

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081518\
 Data File : VD059799.D
 Acq On : 15 Aug 2018 16:52
 Operator : VA/AP
 Sample : VD0815SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 16 07:46:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 16:08:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	276715	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.67	114	361244	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	300684	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	160446	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.00	65	186541	52.47	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	104.94%	
35) Dibromofluoromethane	5.52	113	162062	51.48	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.96%	
50) Toluene-d8	8.69	98	381136	51.12	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.24%	
62) 4-Bromofluorobenzene	11.93	95	166816	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.32	85	60419	17.918	ug/l	97
3) Chloromethane	1.46	50	35022	18.920	ug/l	94
4) Vinyl Chloride	1.54	62	37202	18.973	ug/l	97
5) Bromomethane	1.77	94	7082	11.344	ug/l	86
6) Chloroethane	1.85	64	10580	12.937	ug/l	91
7) Trichlorofluoromethane	2.06	101	53021	17.219	ug/l	92
8) Diethyl Ether	2.33	74	11253	18.995	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	2.53	101	31513	18.249	ug/l	95
10) Methyl Iodide	2.67	142	29930	16.471	ug/l	96
11) Tert butyl alcohol	3.26	59	11268	89.578	ug/l #	74
12) 1,1-Dichloroethene	2.52	96	22991	18.414	ug/l	94
13) Acrolein	2.45	56	7855	81.894	ug/l	87
14) Allyl chloride	2.90	41	57064	18.189	ug/l	96
15) Acrylonitrile	3.34	53	37646	85.424	ug/l	94
16) Acetone	2.59	43	55809	99.465	ug/l	93
17) Carbon Disulfide	2.73	76	75560	18.060	ug/l	96
18) Methyl Acetate	2.92	43	21974	18.325	ug/l	100
19) Methyl tert-butyl Ether	3.38	73	116394	19.100	ug/l	100
20) Methylene Chloride	3.04	84	31996	19.135	ug/l	96
21) trans-1,2-Dichloroethene	3.38	96	35164	14.293	ug/l	86
22) Diisopropyl ether	4.05	45	158930	18.778	ug/l	99
23) Vinyl Acetate	4.00	43	510400	106.485	ug/l	99
24) 1,1-Dichloroethane	3.95	63	97085	19.336	ug/l	99
25) 2-Butanone	4.82	43	79181	92.204	ug/l	97
26) 2,2-Dichloropropane	4.78	77	92696	20.189	ug/l	98
27) cis-1,2-Dichloroethene	4.79	96	51116	18.963	ug/l	97
28) Bromochloromethane	5.12	49	39395	19.996	ug/l	95
29) Tetrahydrofuran	5.16	42	38142	104.102	ug/l	97
30) Chloroform	5.30	83	110798	18.378	ug/l	98
31) Cyclohexane	5.57	56	65267	18.074	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	101643	19.175	ug/l	98
36) 1,1-Dichloropropene	5.73	75	74272	20.039	ug/l	97
37) Ethyl Acetate	4.90	43	44162	23.824	ug/l #	95
38) Carbon Tetrachloride	5.70	117	87956	19.670	ug/l	97

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Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 16 07:46:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 16:08:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	63166	19.702	ug/l	92
40) Benzene	6.00	78	150651	19.163	ug/l	99
41) Methacrylonitrile	5.11	41	22163	24.990	ug/l	93
42) 1,2-Dichloroethane	6.10	62	87355	20.532	ug/l	97
43) Isopropyl Acetate	7.60	43	49227	21.029	ug/l	98
44) Trichloroethene	6.96	130	51929	19.290	ug/l	87
45) 1,2-Dichloropropane	7.33	63	41208	20.167	ug/l	98
46) Dibromomethane	7.44	93	35073	20.986	ug/l	97
47) Bromodichloromethane	7.73	83	80118	19.566	ug/l	94
48) Methyl methacrylate	7.49	41	32729	21.427	ug/l	92
49) 1,4-Dioxane	7.47	88	6610	491.377	ug/l	87
51) 4-Methyl-2-Pentanone	8.58	43	165840	93.724	ug/l	97
52) Toluene	8.79	92	100235	19.903	ug/l	95
53) t-1,3-Dichloropropene	9.17	75	70403	20.737	ug/l	94
54) cis-1,3-Dichloropropene	8.35	75	74355	20.265	ug/l	98
55) 1,1,2-Trichloroethane	9.44	97	37818	20.340	ug/l	91
56) Ethyl methacrylate	9.30	69	43644	21.675	ug/l	99
57) 1,3-Dichloropropane	9.66	76	59408	20.397	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.17	63	113382	113.930	ug/l	99
59) 2-Hexanone	9.77	43	129340	101.937	ug/l	96
60) Dibromochloromethane	9.94	129	53739	19.907	ug/l	88
61) 1,2-Dibromoethane	10.08	107	43585	21.162	ug/l	94
64) Tetrachloroethene	9.50	164	50743	19.594	ug/l	95
65) Chlorobenzene	10.72	112	123248	20.240	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.84	131	50804	20.699	ug/l	95
67) Ethyl Benzene	10.85	91	209335	19.966	ug/l	94
68) m/p-Xylenes	11.00	106	148831	41.882	ug/l	87
69) o-Xylene	11.40	106	68966	20.219	ug/l	85
70) Styrene	11.43	104	123017	20.336	ug/l	99
71) Bromoform	11.59	173	38421	21.536	ug/l	99
73) Isopropylbenzene	11.76	105	206720	20.348	ug/l	99
74) N-amyl acetate	11.64	43	72428	23.252	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.07	83	44890	21.759	ug/l	99
76) 1,2,3-Trichloropropane	12.11	75	49023	21.535	ug/l	99
77) Bromobenzene	12.04	156	63577	21.900	ug/l	94
78) n-propylbenzene	12.14	91	265780	20.973	ug/l	98
79) 2-Chlorotoluene	12.21	91	154069	20.161	ug/l	91
80) 1,3,5-Trimethylbenzene	12.31	105	165266	20.316	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.84	75	12135	22.785	ug/l	86
82) 4-Chlorotoluene	12.32	91	179658	20.712	ug/l	100
83) tert-Butylbenzene	12.57	119	195192	21.716	ug/l	99
84) 1,2,4-Trimethylbenzene	12.62	105	175771	20.051	ug/l	100
85) sec-Butylbenzene	12.75	105	220068	21.124	ug/l	95
86) p-Isopropyltoluene	12.88	119	182686	20.957	ug/l	92
87) 1,3-Dichlorobenzene	12.83	146	107159	20.585	ug/l	98
88) 1,4-Dichlorobenzene	12.92	146	106160	20.570	ug/l	99
89) n-Butylbenzene	13.19	91	186373	21.146	ug/l	100
90) Hexachloroethane	13.39	117	46733	21.364	ug/l	89
91) 1,2-Dichlorobenzene	13.19	146	90735	21.191	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.77	75	7521	20.434	ug/l	90

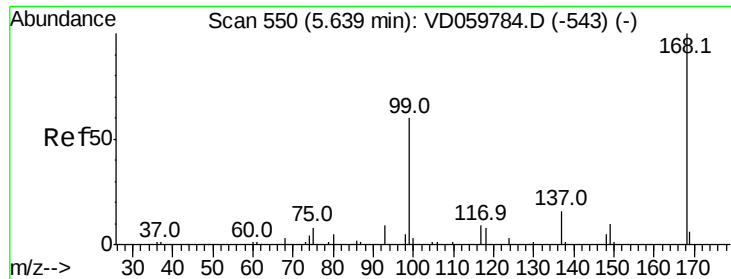
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081518\
Data File : VD059799.D
Acq On : 15 Aug 2018 16:52
Operator : VA/AP
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Quant Time: Aug 16 07:46:58 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 15 16:08:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	78071	21.807	ug/l	99
94) Hexachlorobutadiene	14.43	225	57979	21.940	ug/l	99
95) Naphthalene	14.51	128	119616	21.823	ug/l	100
96) 1,2,3-Trichlorobenzene	14.65	180	71149	22.522	ug/l	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

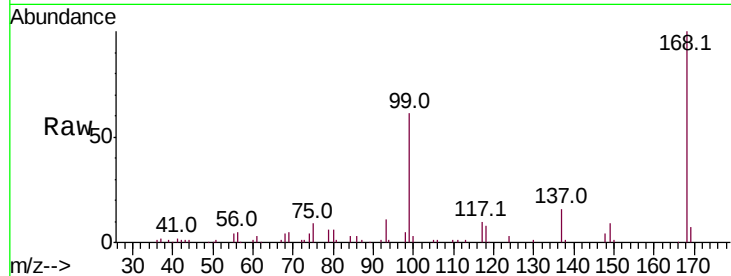


#1

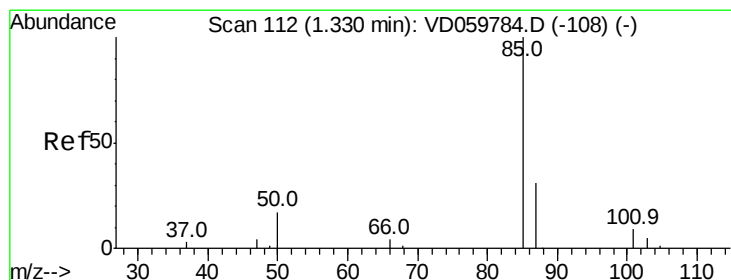
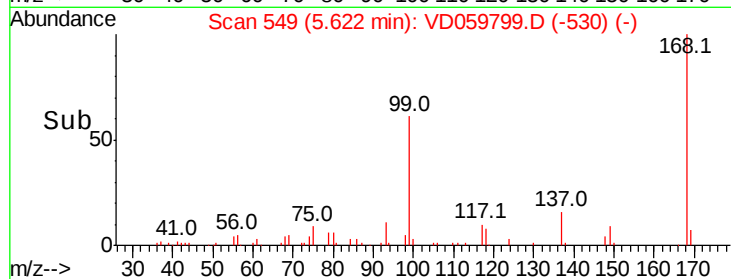
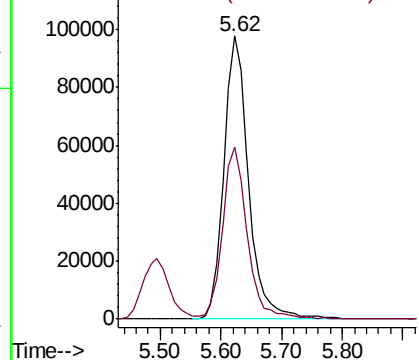
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.62 min Scan# 549
 Delta R.T. -0.02 min
 Lab File: VD059799.D
 Acq: 15 Aug 2018 16:52

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:168 Resp: 276715
 Ion Ratio Lower Upper
 168 100
 99 60.6 50.3 75.5



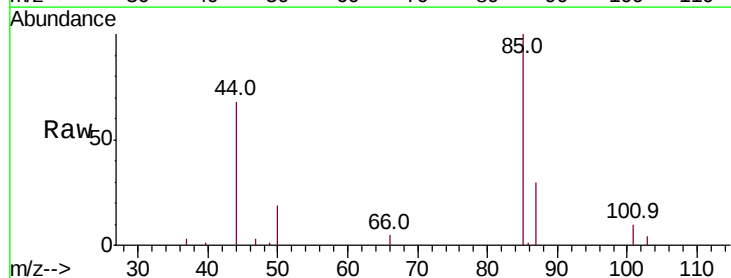
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.95 (98.65 to 99.65): VDC



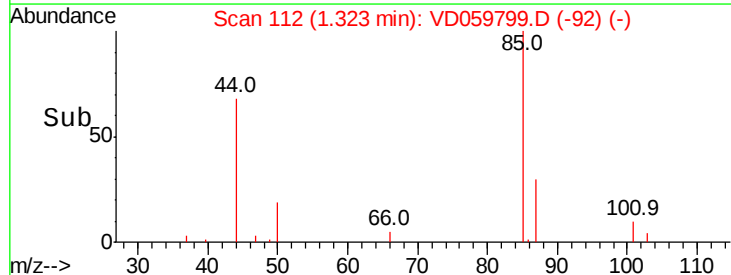
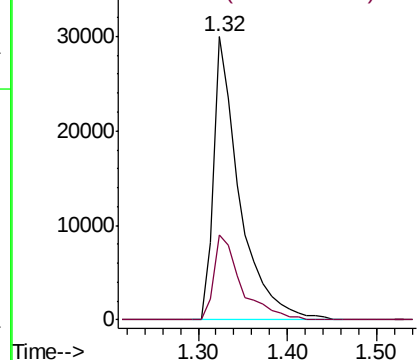
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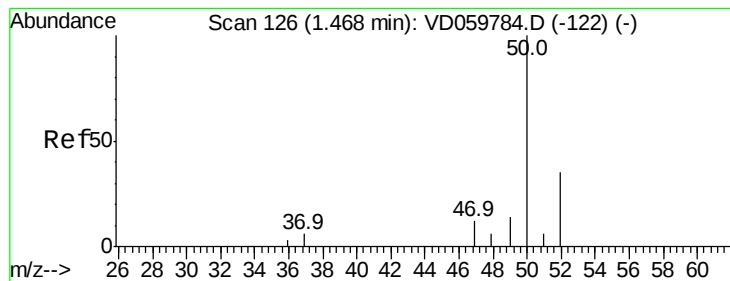
Dichlorodifluoromethane
 Concen: 17.918 ug/l
 RT: 1.32 min Scan# 112
 Delta R.T. -0.01 min
 Lab File: VD059799.D
 Acq: 15 Aug 2018 16:52

Tgt Ion: 85 Resp: 60419
 Ion Ratio Lower Upper
 85 100
 87 30.0 15.7 47.1



Abundance Ion 84.95 (84.65 to 85.65): VDC
 Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.920 ug/l

RT: 1.46 min Scan# 126

Delta R.T. -0.01 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

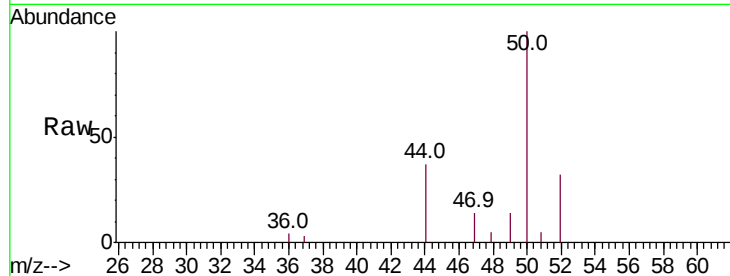
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 50 Resp: 35022

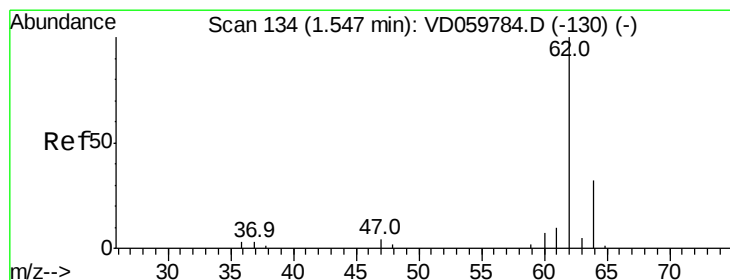
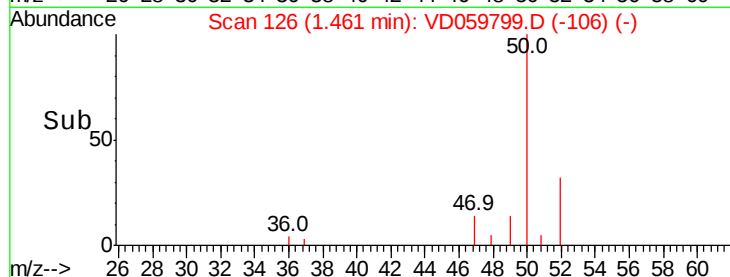
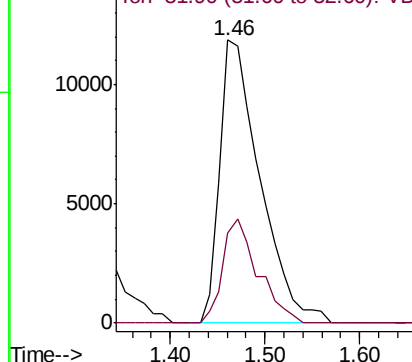
Ion Ratio Lower Upper

50 100

52 31.8 28.4 42.6



Abundance Ion 49.90 (49.60 to 50.60): VDC
Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.973 ug/l

RT: 1.54 min Scan# 134

Delta R.T. -0.01 min

Lab File: VD059799.D

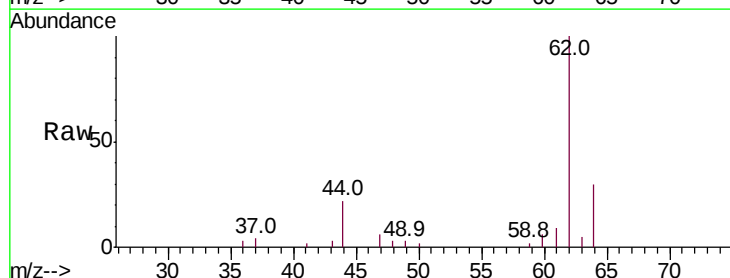
Acq: 15 Aug 2018 16:52

Tgt Ion: 62 Resp: 37202

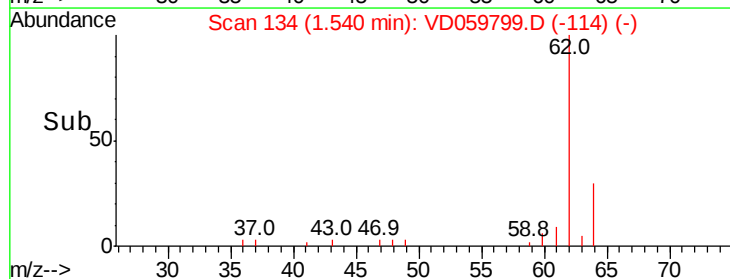
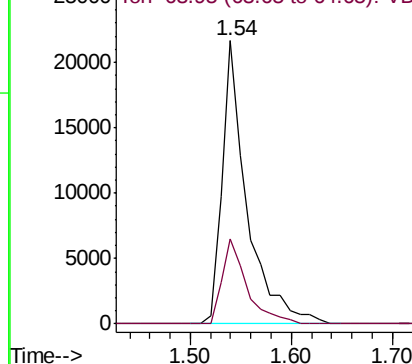
Ion Ratio Lower Upper

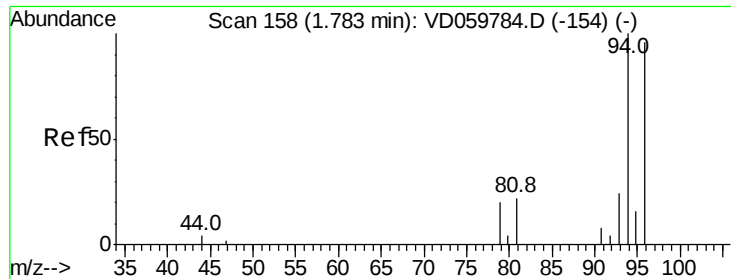
62 100

64 30.1 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 11.344 ug/l

RT: 1.77 min Scan# 157

Delta R.T. -0.02 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

Instrument :

MSVOA_D

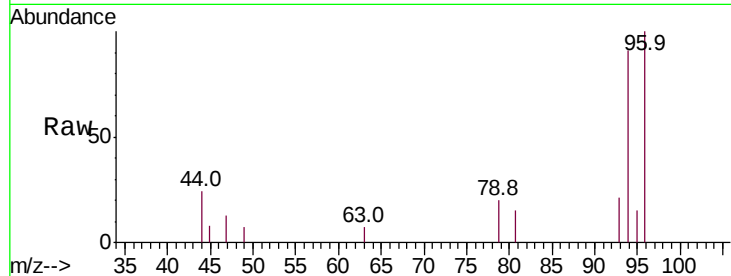
ClientSampleId :

Tot Ion: 94 Resp: 7082

Ion Ratio Lower Upper

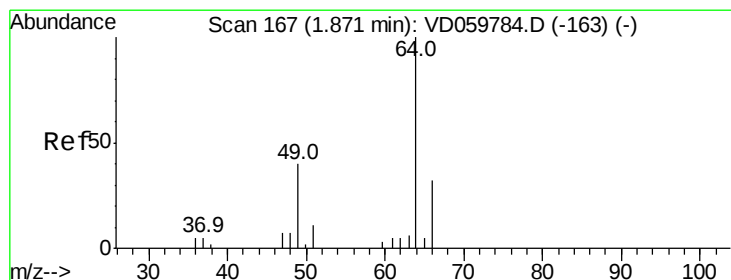
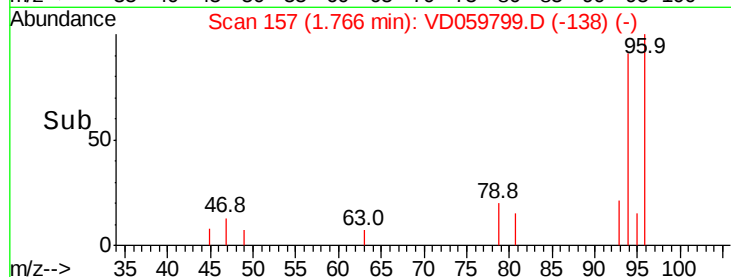
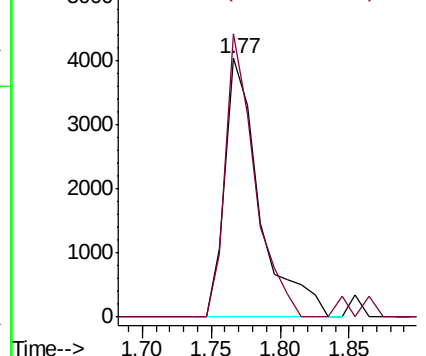
94 100

96 109.5 76.7 115.1



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 12.937 ug/l

RT: 1.85 min Scan# 166

Delta R.T. -0.02 min

Lab File: VD059799.D

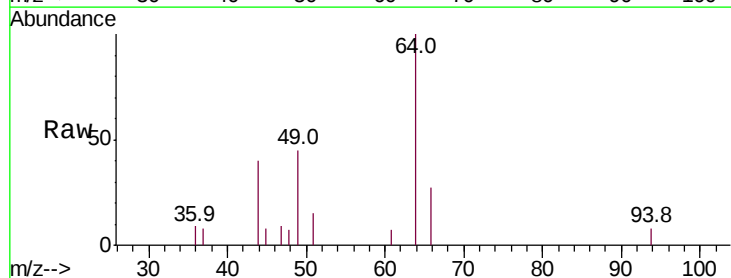
Acq: 15 Aug 2018 16:52

Tgt Ion: 64 Resp: 10580

Ion Ratio Lower Upper

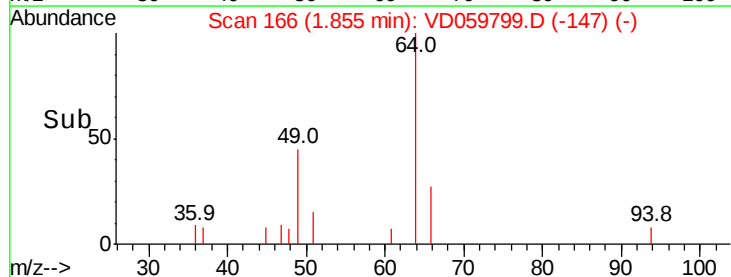
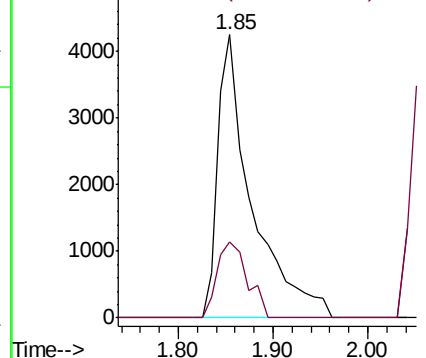
64 100

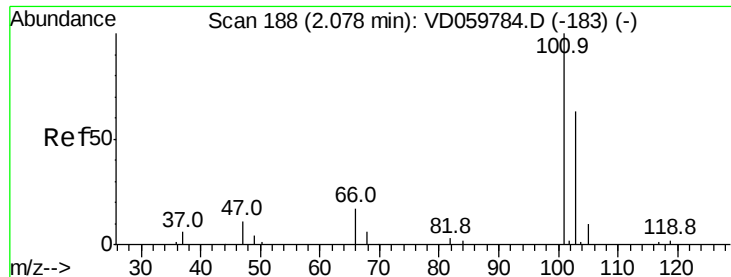
66 26.7 25.4 38.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



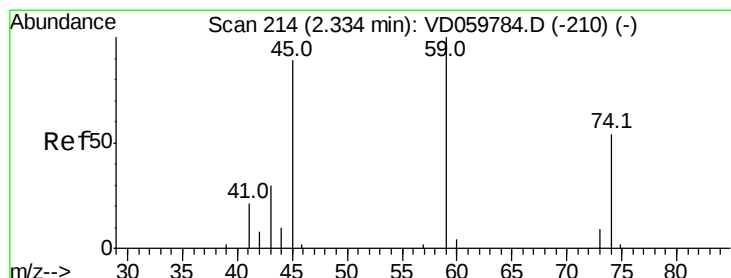
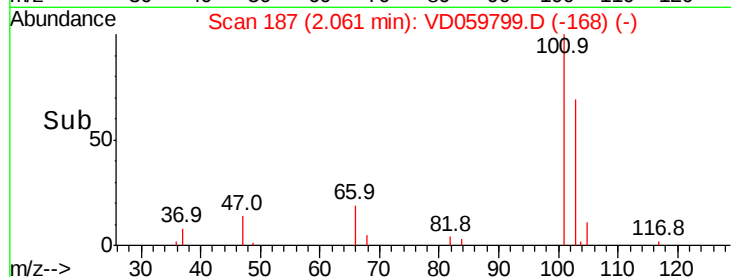
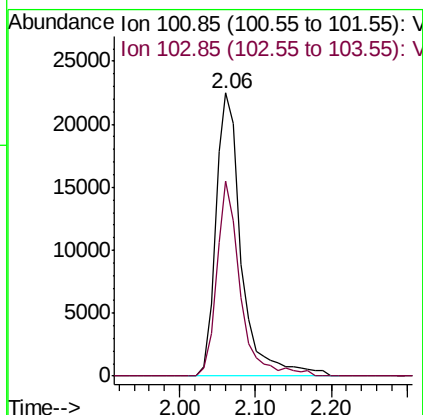
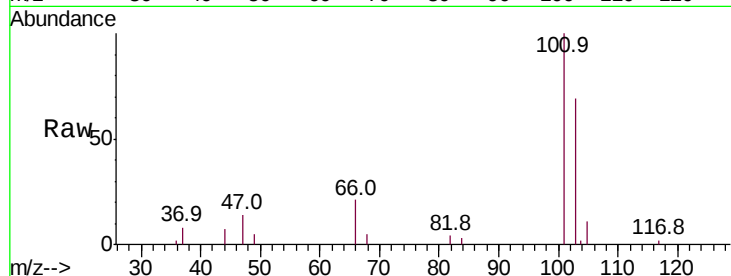


#7

Trichlorofluoromethane
 Concen: 17.219 ug/l
 RT: 2.06 min Scan# 187
 Delta R.T. -0.02 min
 Lab File: VD059799.D
 Acq: 15 Aug 2018 16:52

Instrument :
 MSVOA_D
 ClientSampleId :

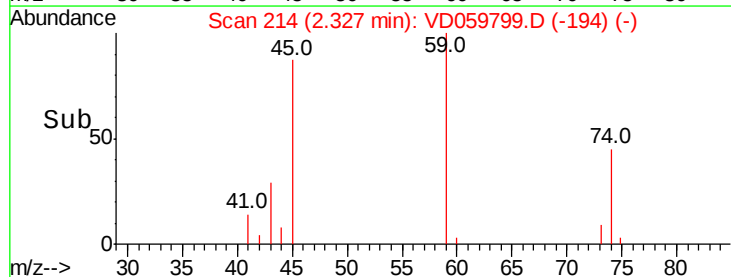
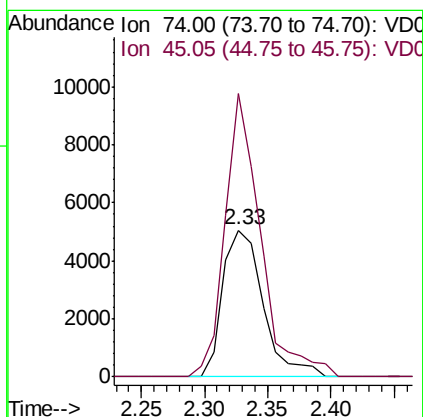
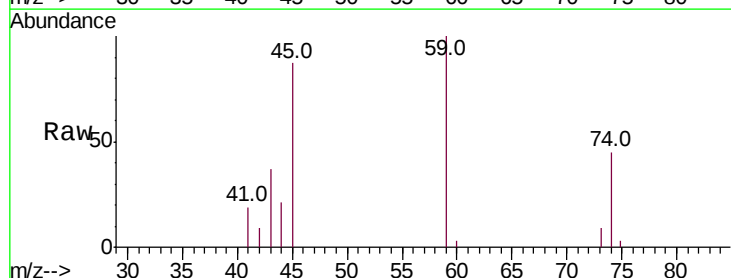
Tot Ion:101 Resp: 53021
 Ion Ratio Lower Upper
 101 100
 103 68.9 50.4 75.6

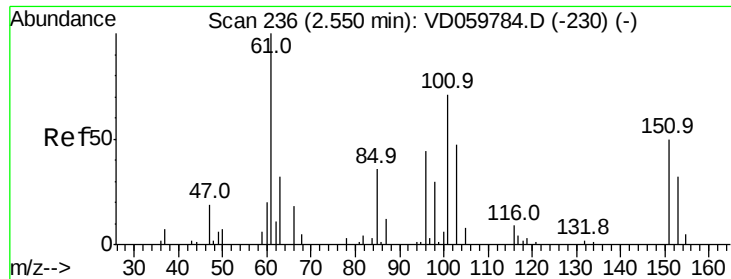


#8

Diethyl Ether
 Concen: 18.995 ug/l
 RT: 2.33 min Scan# 214
 Delta R.T. -0.01 min
 Lab File: VD059799.D
 Acq: 15 Aug 2018 16:52

Tgt Ion: 74 Resp: 11253
 Ion Ratio Lower Upper
 74 100
 45 193.2 81.6 244.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.249 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.02 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

Instrument :

MSVOA_D

ClientSampleId :

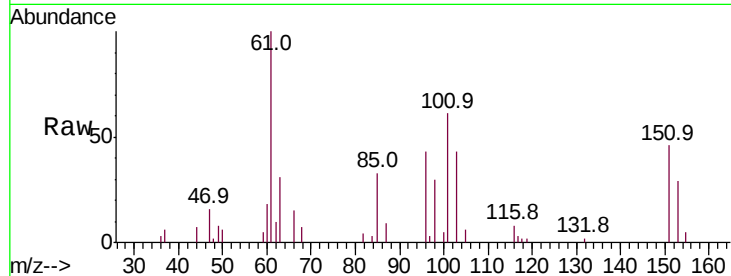
Tot Ion:101 Resp: 31513

Ion Ratio Lower Upper

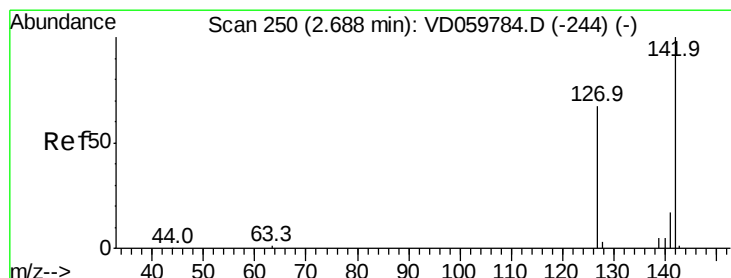
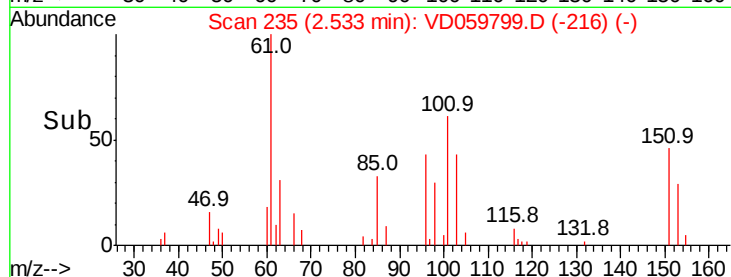
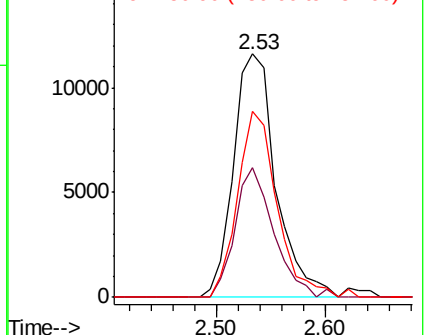
101 100

85 53.5 40.6 61.0

151 76.2 57.1 85.7



Abundance Ion 100.85 (100.55 to 101.55): V
Ion 84.95 (84.65 to 85.65): V
Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 16.471 ug/l

RT: 2.67 min Scan# 249

Delta R.T. -0.02 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

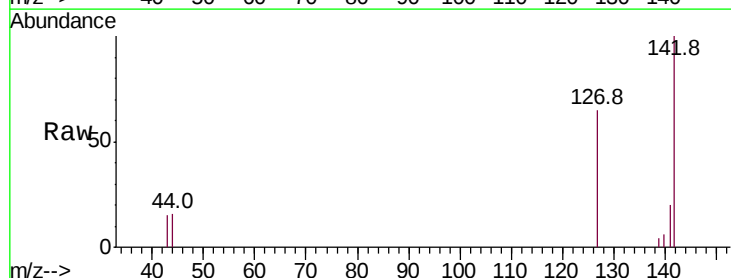
Tgt Ion:142 Resp: 29930

Ion Ratio Lower Upper

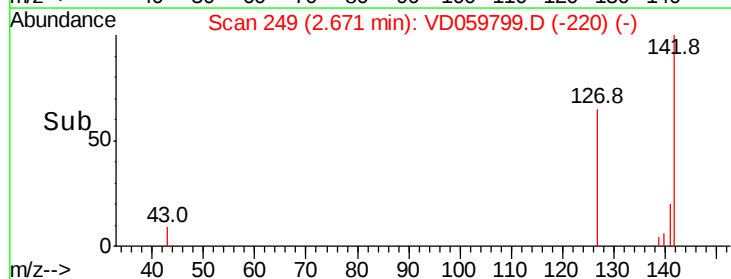
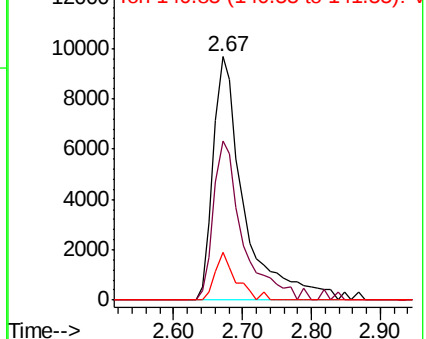
142 100

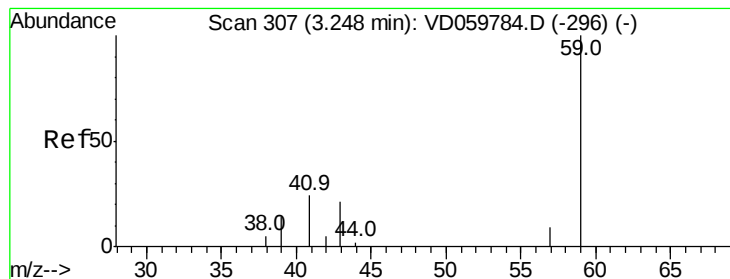
127 65.4 54.0 81.0

141 19.8 13.3 19.9



Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V



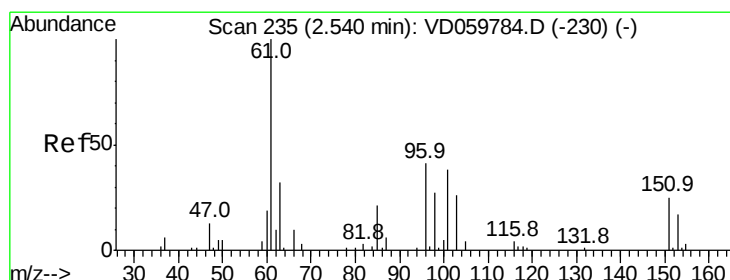
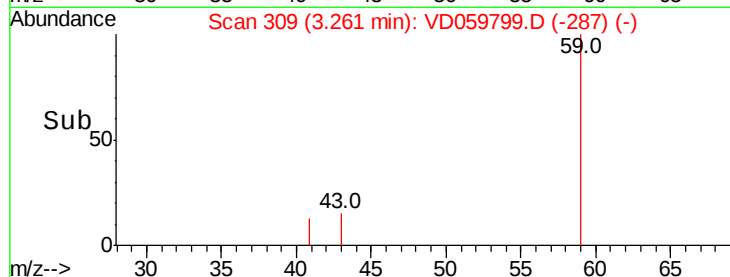
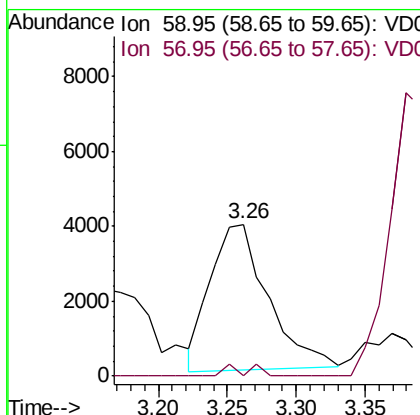
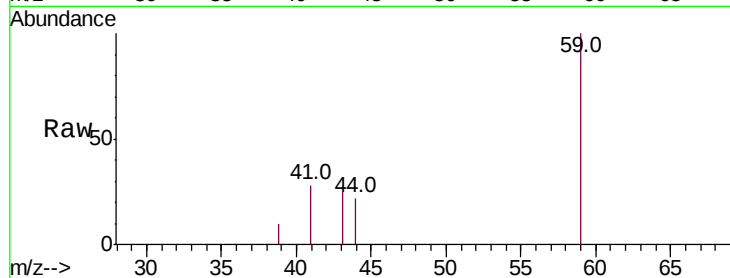


#11

Tert butyl alcohol
 Concen: 89.578 ug/l
 RT: 3.26 min Scan# 309
 Delta R.T. 0.01 min
 Lab File: VD059799.D
 Acq: 15 Aug 2018 16:52

Instrument :
 MSVOA_D
 ClientSampleId :

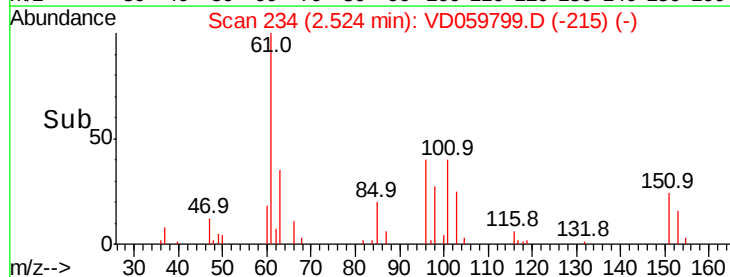
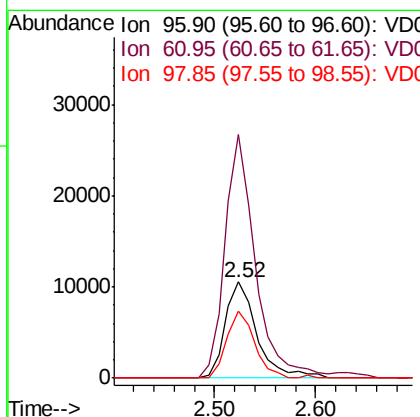
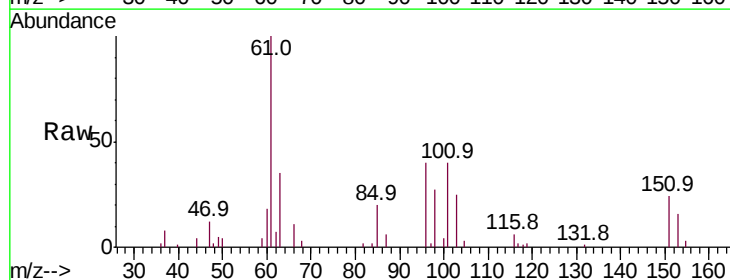
Tot Ion: 59 Resp: 11268
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.5 11.3#

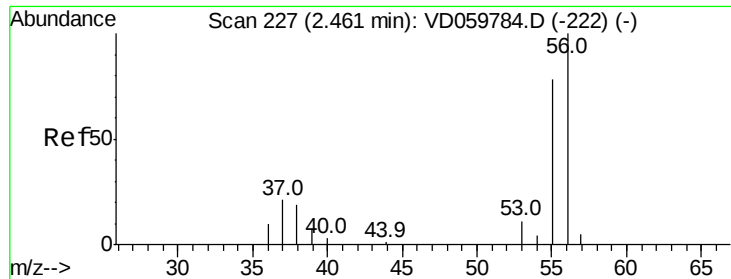


#12

1,1-Dichloroethene
 Concen: 18.414 ug/l
 RT: 2.52 min Scan# 234
 Delta R.T. -0.02 min
 Lab File: VD059799.D
 Acq: 15 Aug 2018 16:52

Tgt Ion: 96 Resp: 22991
 Ion Ratio Lower Upper
 96 100
 61 252.7 194.1 291.1
 98 69.1 52.3 78.5





#13

Acrolein

Concen: 81.894 ug/l

RT: 2.45 min Scan# 227

Delta R.T. -0.01 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

Instrument :

MSVOA_D

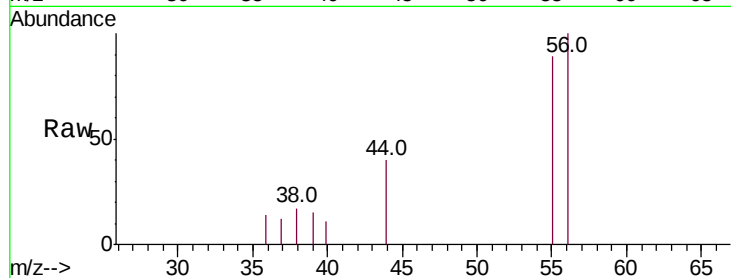
ClientSampleId :

Tot Ion: 56 Resp: 7855

Ion Ratio Lower Upper

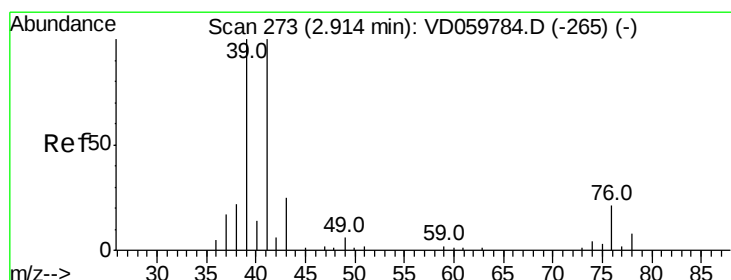
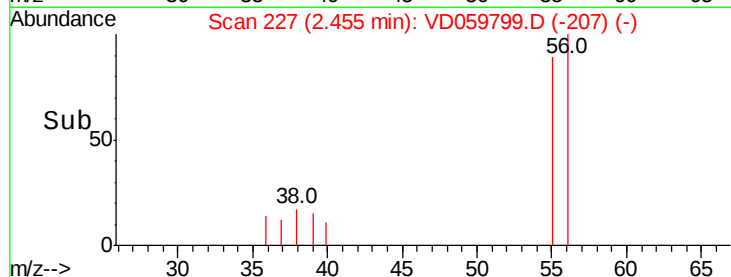
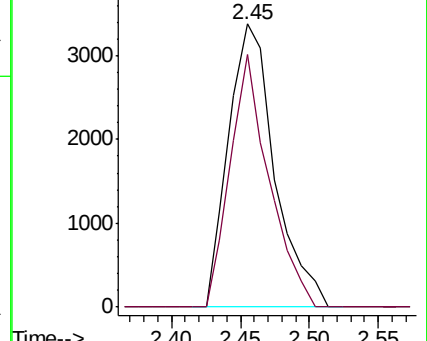
56 100

55 89.2 62.2 93.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.189 ug/l

RT: 2.90 min Scan# 272

Delta R.T. -0.02 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

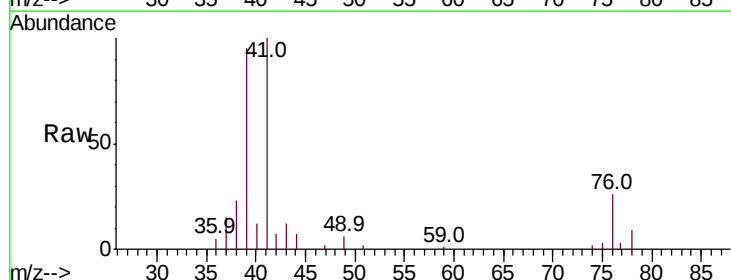
Tgt Ion: 41 Resp: 57064

Ion Ratio Lower Upper

41 100

39 94.7 79.8 119.6

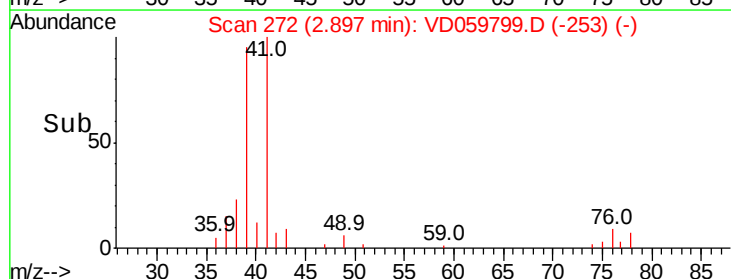
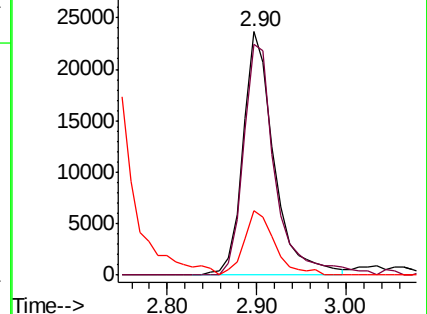
76 26.4 20.4 30.6

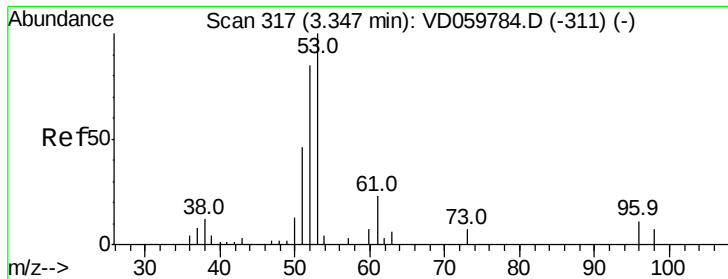


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 85.424 ug/l

RT: 3.34 min Scan# 317

Delta R.T. -0.01 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

Instrument :

MSVOA_D

ClientSampleId :

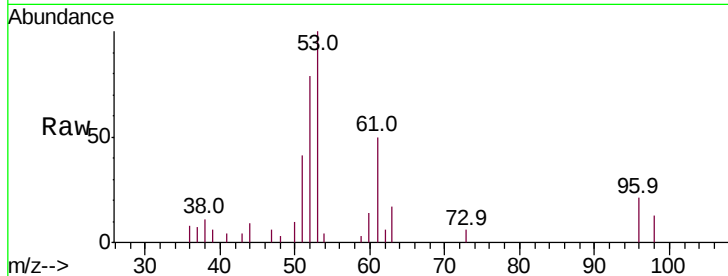
Tot Ion: 53 Resp: 37646

Ion Ratio Lower Upper

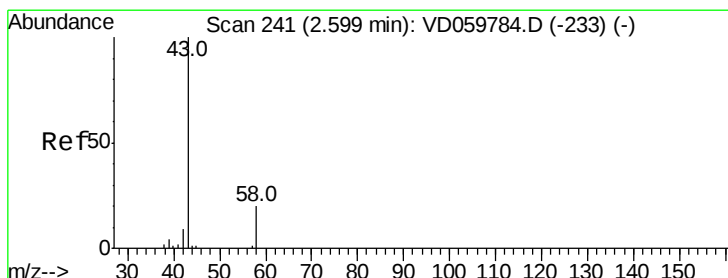
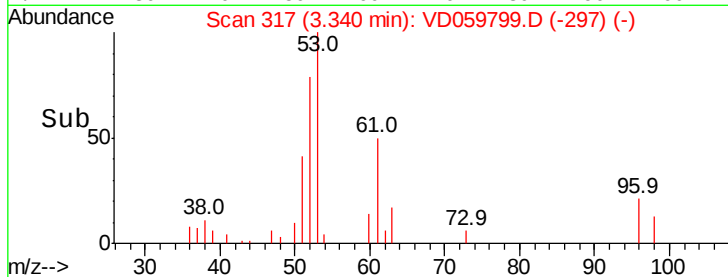
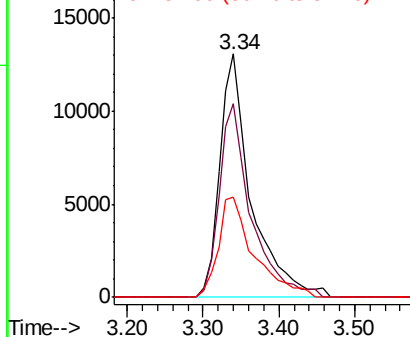
53 100

52 79.5 68.2 102.2

51 41.3 36.6 54.8



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 99.465 ug/l

RT: 2.59 min Scan# 241

Delta R.T. -0.01 min

Lab File: VD059799.D

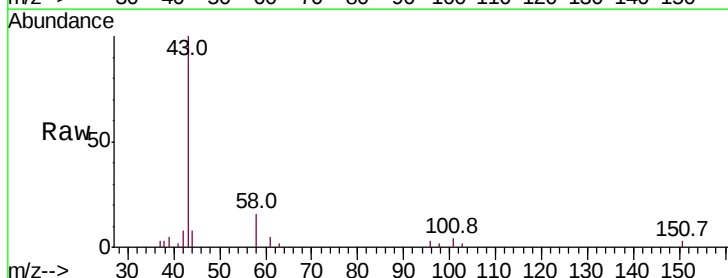
Acq: 15 Aug 2018 16:52

Tgt Ion: 43 Resp: 55809

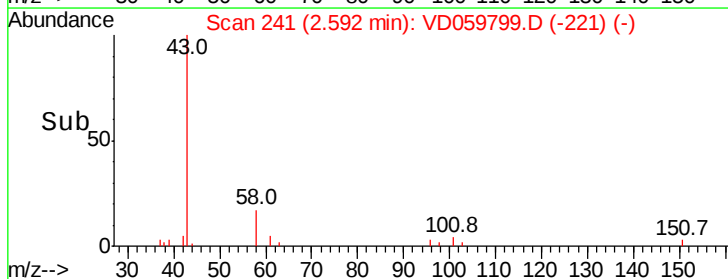
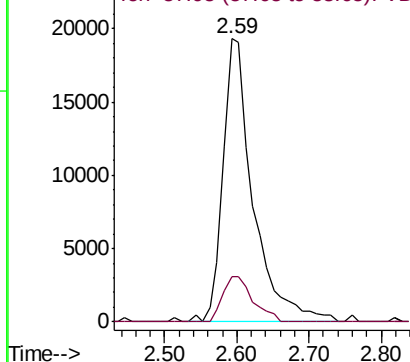
Ion Ratio Lower Upper

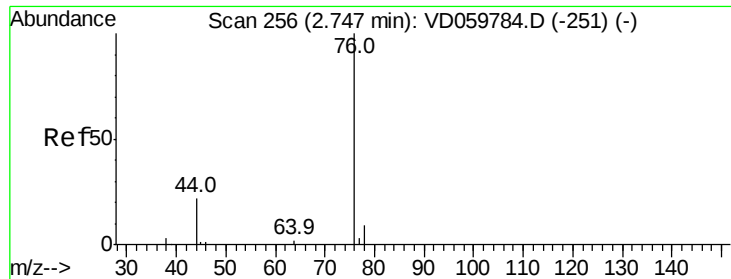
43 100

58 16.2 15.7 23.5



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

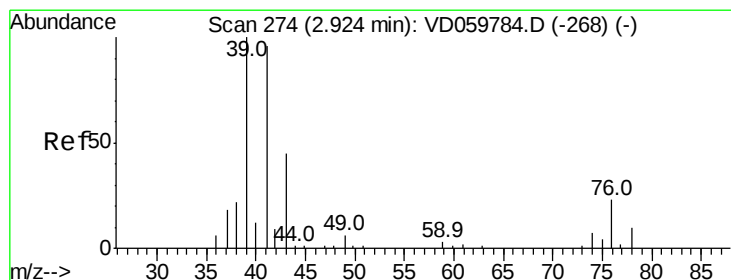
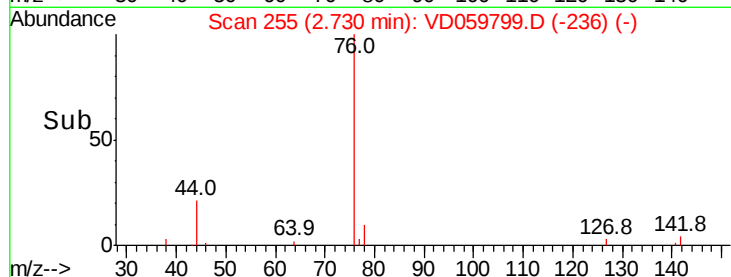
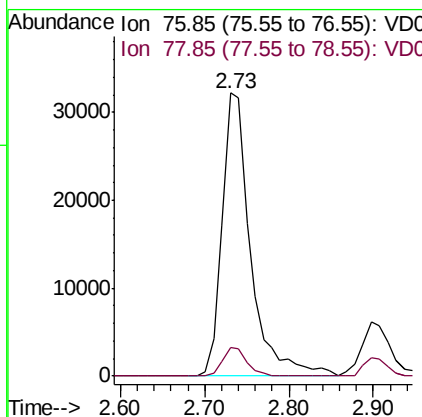
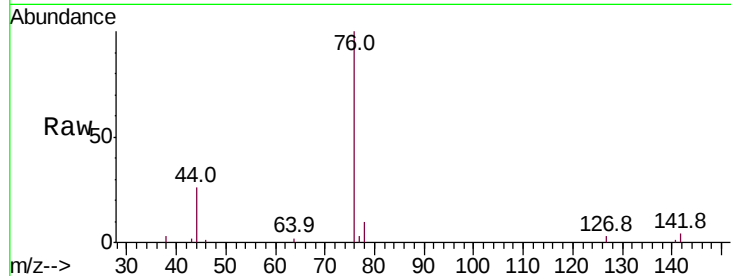




#17
Carbon Disulfide
Concen: 18.060 ug/l
RT: 2.73 min Scan# 255
Delta R.T. -0.02 min
Lab File: VD059799.D
Acq: 15 Aug 2018 16:52

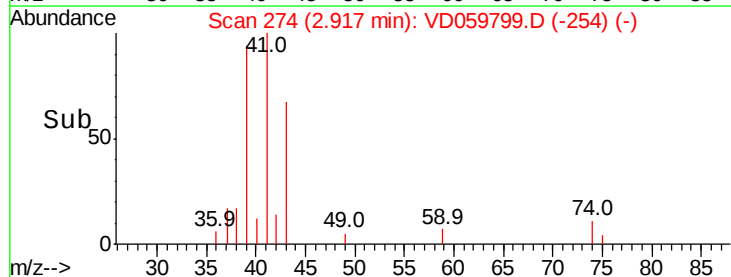
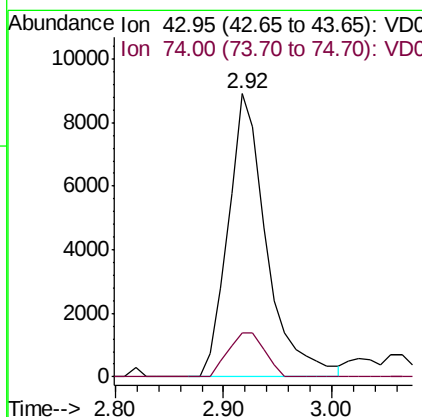
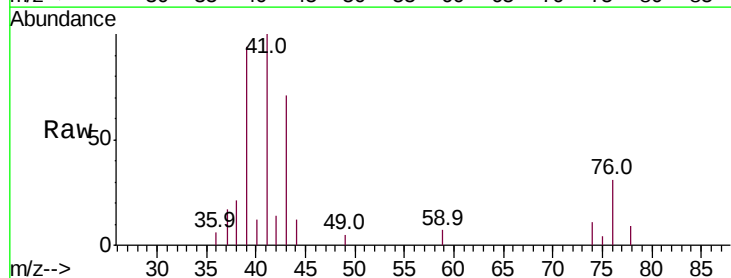
Instrument :
MSVOA_D
ClientSampleId :

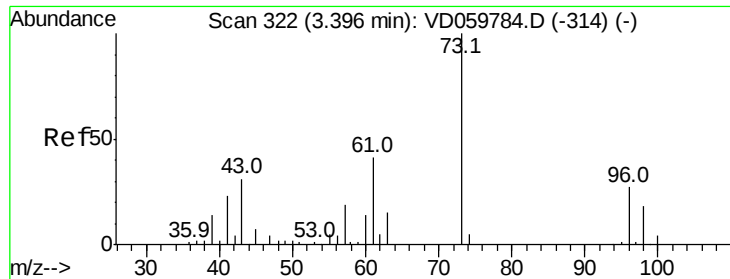
Tot Ion: 76 Resp: 75560
Ion Ratio Lower Upper
76 100
78 10.1 6.9 10.3



#18
Methyl Acetate
Concen: 18.325 ug/l
RT: 2.92 min Scan# 274
Delta R.T. -0.01 min
Lab File: VD059799.D
Acq: 15 Aug 2018 16:52

Tgt Ion: 43 Resp: 21974
Ion Ratio Lower Upper
43 100
74 15.6 12.4 18.6

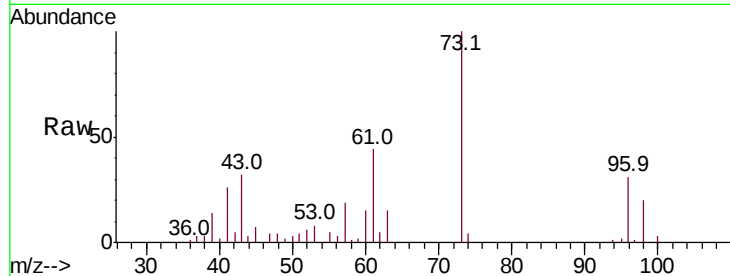




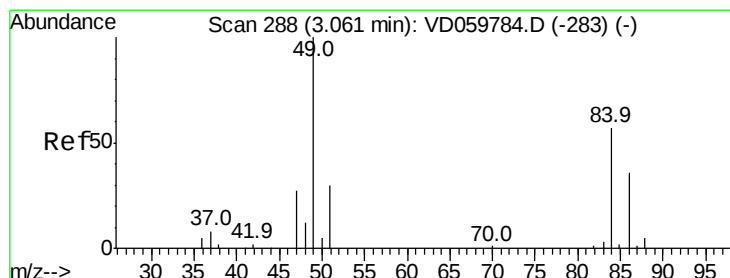
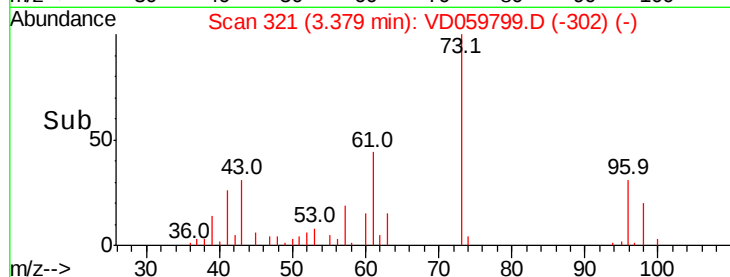
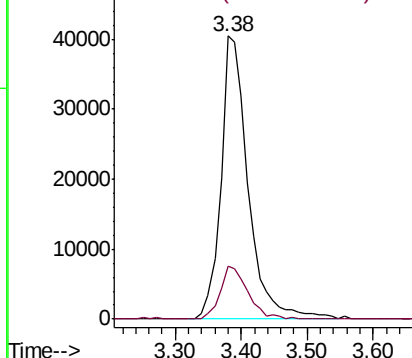
#19
Methvl tert-butvl Ether
Concen: 19.100 ug/l
RT: 3.38 min Scan# 321
Delta R.T. -0.02 min
Lab File: VD059799.D
Acq: 15 Aug 2018 16:52

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 73 Resp: 116394
Ion Ratio Lower Upper
73 100
57 18.7 14.8 22.2

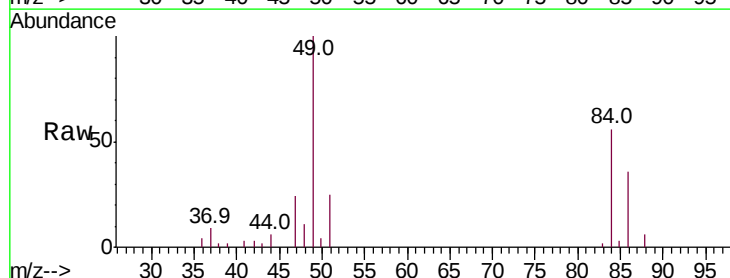


Abundance Ion 73.00 (72.70 to 73.70): VDC
Ion 57.05 (56.75 to 57.75): VDC

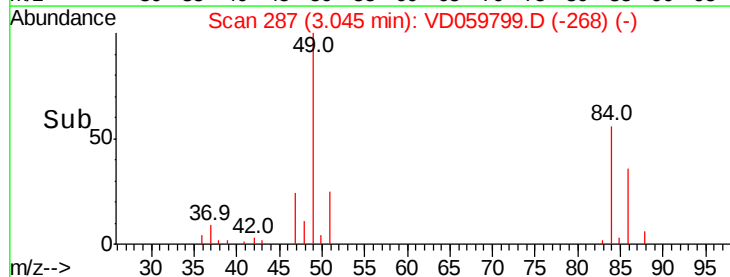
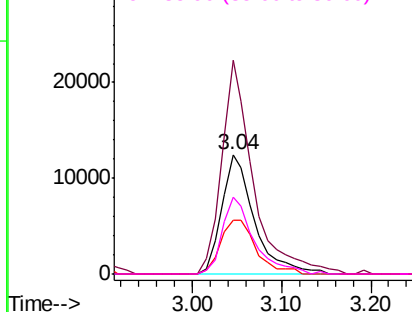


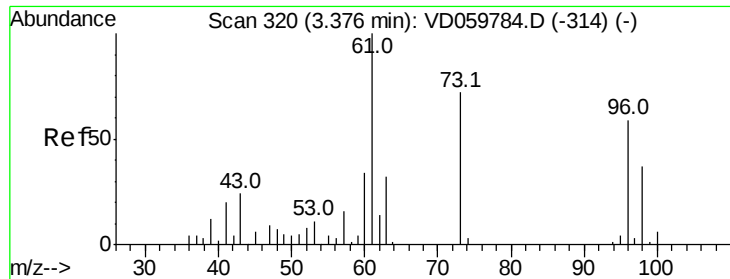
#20
Methylene Chloride
Concen: 19.135 ug/l
RT: 3.04 min Scan# 287
Delta R.T. -0.02 min
Lab File: VD059799.D
Acq: 15 Aug 2018 16:52

Tgt Ion: 84 Resp: 31996
Ion Ratio Lower Upper
84 100
49 179.3 140.9 211.3
51 45.6 42.8 64.2
86 64.5 51.3 76.9



Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 14.293 ug/l

RT: 3.38 min Scan# 321

Delta R.T. 0.00 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

Instrument :

MSVOA_D

ClientSampled :

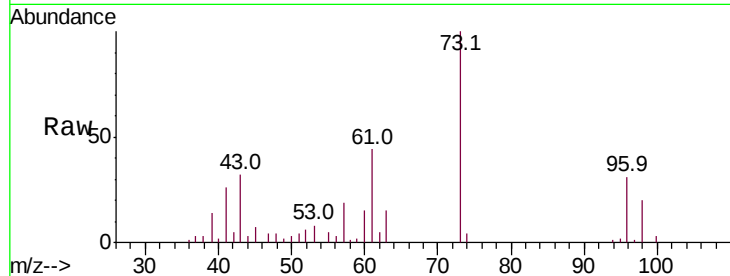
Tot Ion: 96 Resp: 35164

Ion Ratio Lower Upper

96 100

61 144.4 134.8 202.2

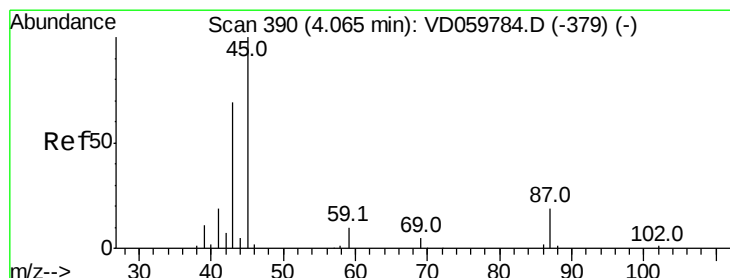
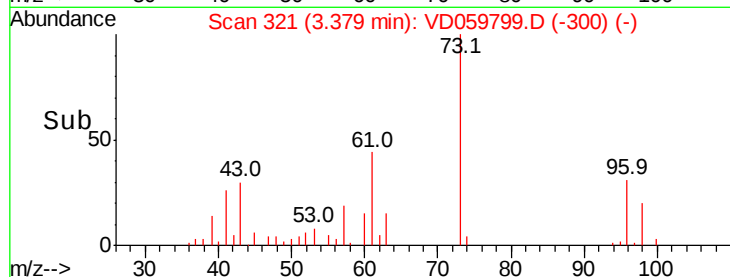
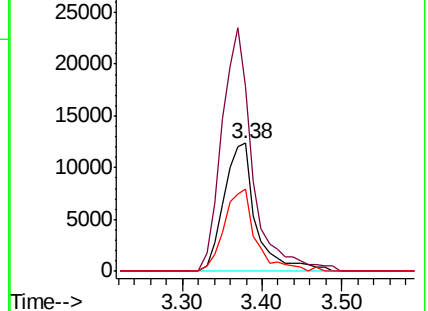
98 64.7 50.0 75.0



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 18.778 ug/l

RT: 4.05 min Scan# 389

Delta R.T. -0.02 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

Tgt Ion: 45 Resp: 158930

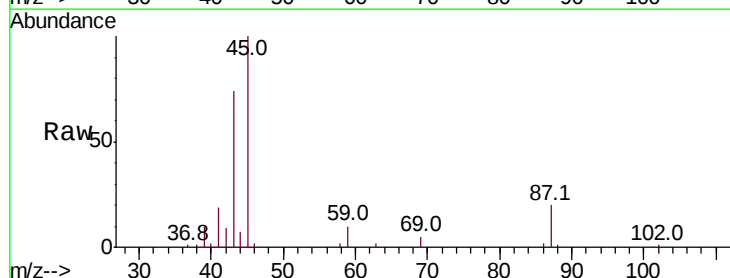
Ion Ratio Lower Upper

45 100

43 73.6 57.5 86.3

87 20.2 16.1 24.1

59 10.4 8.4 12.6

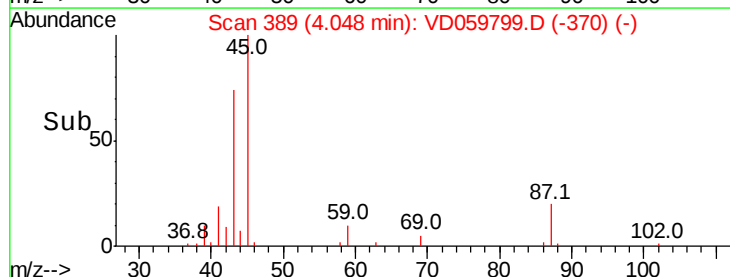
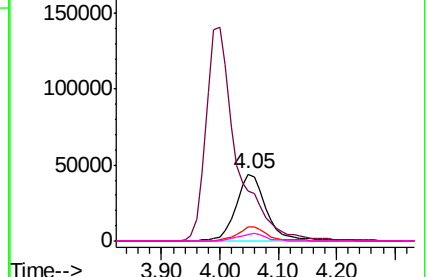


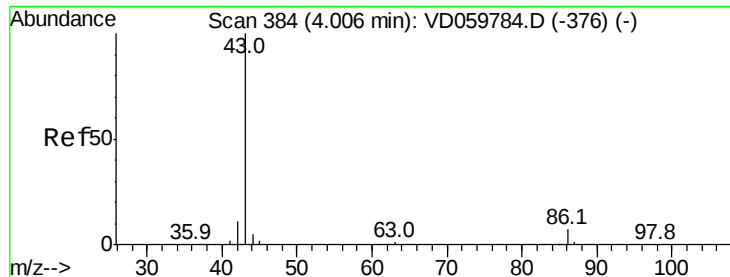
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 106.485 ug/l

RT: 4.00 min Scan# 384

Delta R.T. -0.01 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

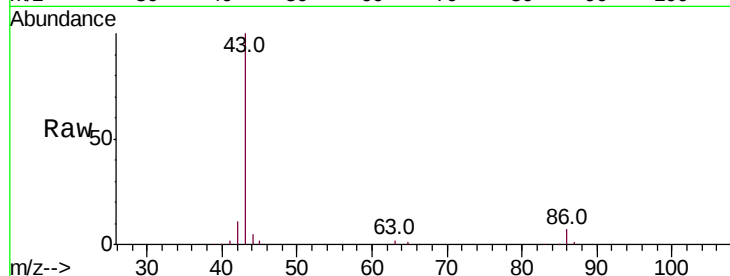
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 510400

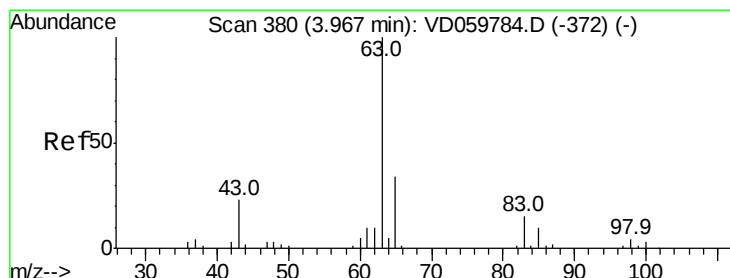
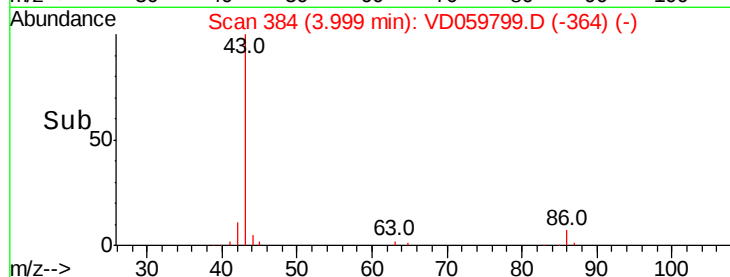
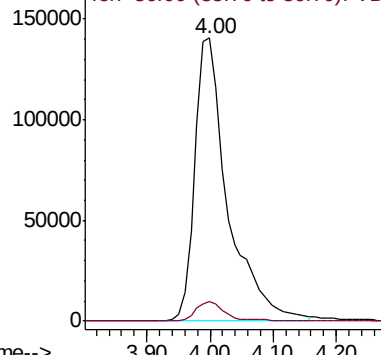
Ion Ratio Lower Upper

43 100

86 7.0 5.4 8.0



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.336 ug/l

RT: 3.95 min Scan# 379

Delta R.T. -0.02 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

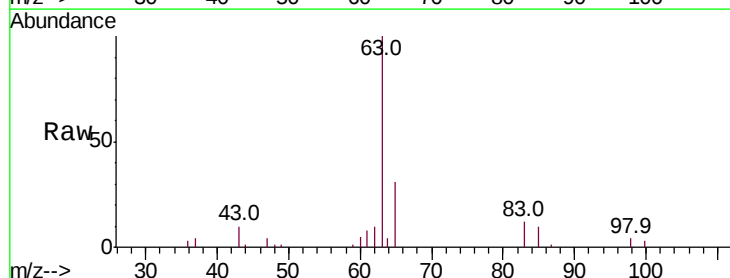
Tgt Ion: 63 Resp: 97085

Ion Ratio Lower Upper

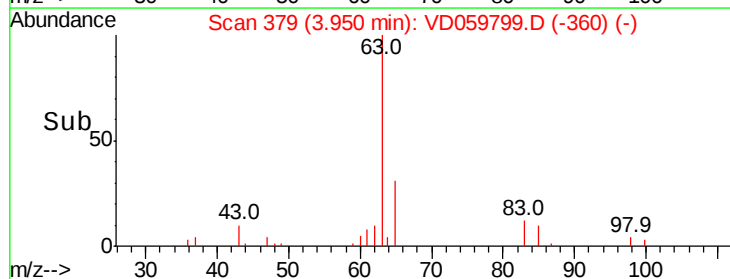
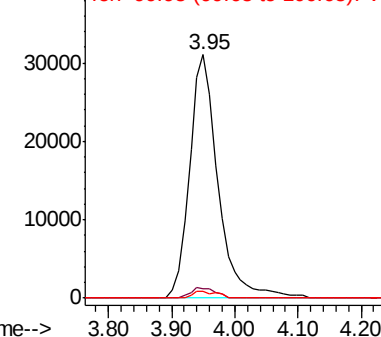
63 100

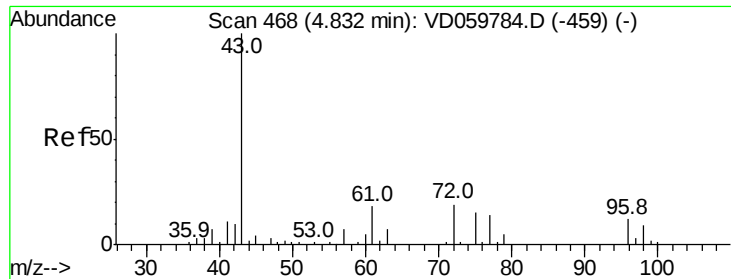
98 4.0 2.2 6.6

100 2.7 1.6 4.7



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 97.95 (97.65 to 98.65): VDC
Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 92.204 ug/l

RT: 4.82 min Scan# 467

Delta R.T. -0.02 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

Instrument :

MSVOA_D

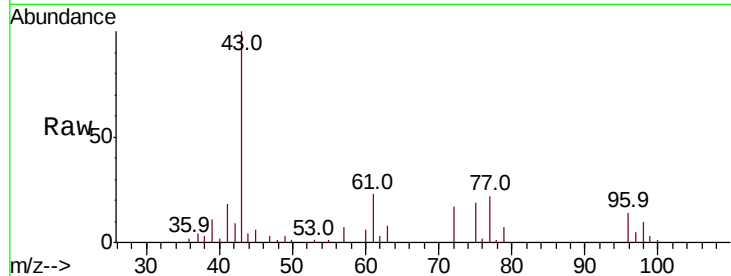
ClientSampled :

Tot Ion: 43 Resp: 79181

Ion Ratio Lower Upper

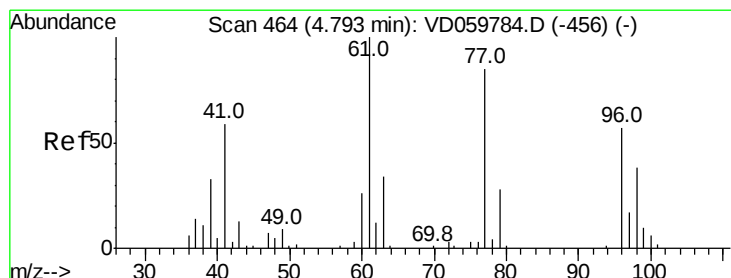
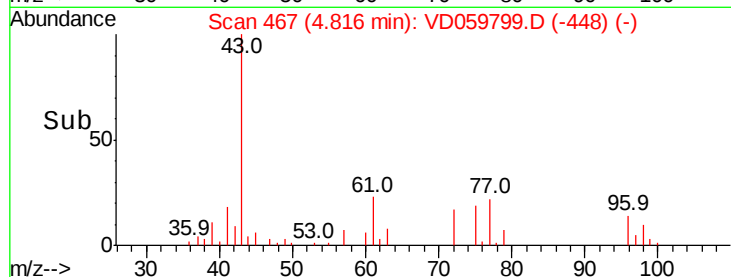
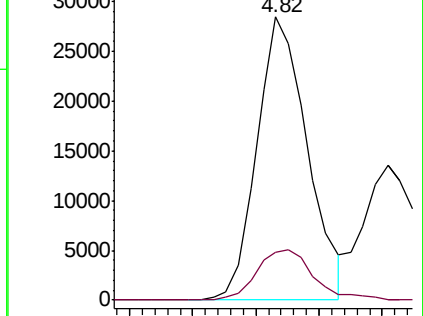
43 100

72 17.1 14.9 22.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.189 ug/l

RT: 4.78 min Scan# 463

Delta R.T. -0.02 min

Lab File: VD059799.D

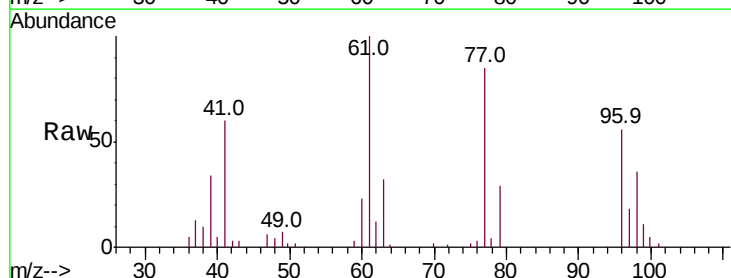
Acq: 15 Aug 2018 16:52

Tgt Ion: 77 Resp: 92696

Ion Ratio Lower Upper

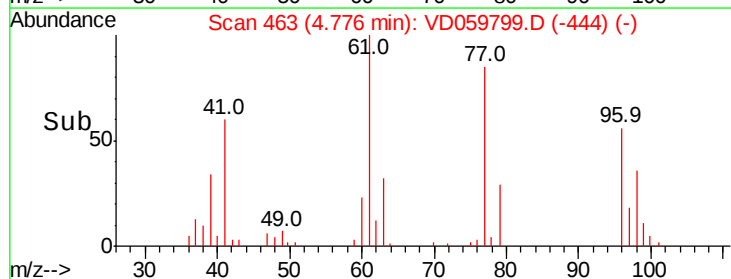
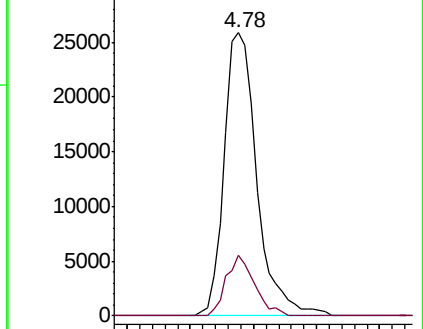
77 100

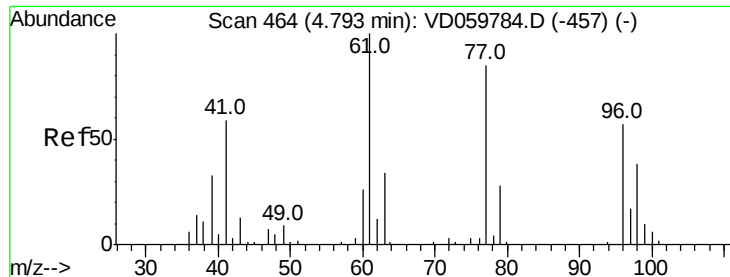
97 21.4 10.3 30.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



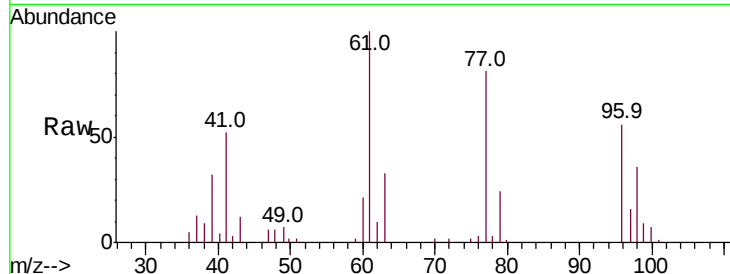


#27

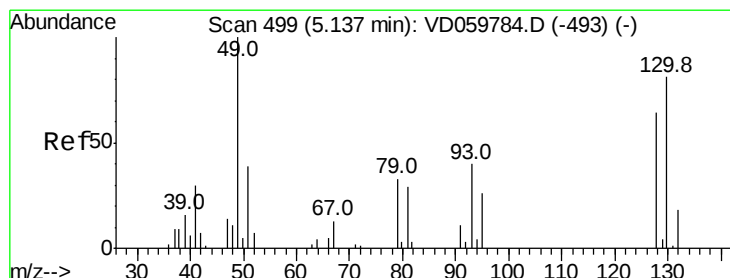
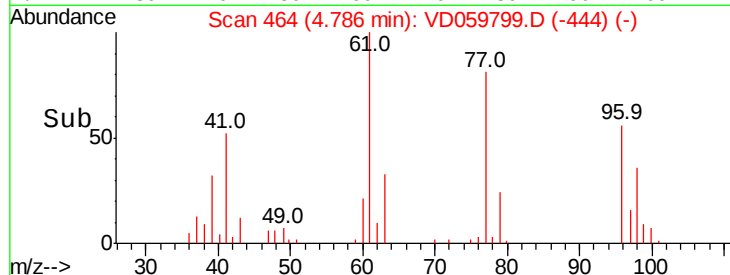
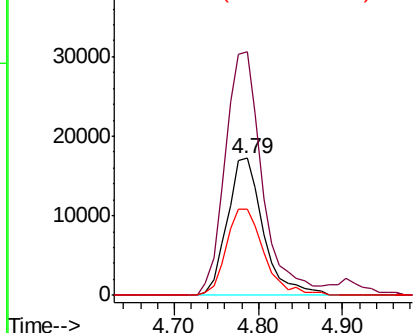
cis-1,2-Dichloroethene
 Concen: 18.963 ug/l
 RT: 4.79 min Scan# 464
 Delta R.T. -0.01 min
 Lab File: VD059799.D
 Acq: 15 Aug 2018 16:52

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 96 Resp: 51116
 Ion Ratio Lower Upper
 96 100
 61 177.7 0.0 351.6
 98 63.1 0.0 135.2



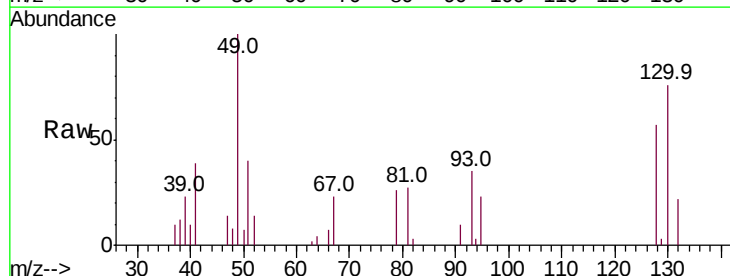
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



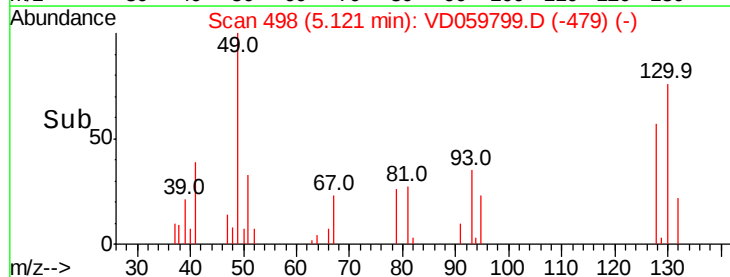
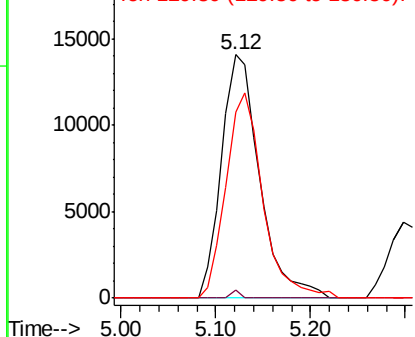
#28

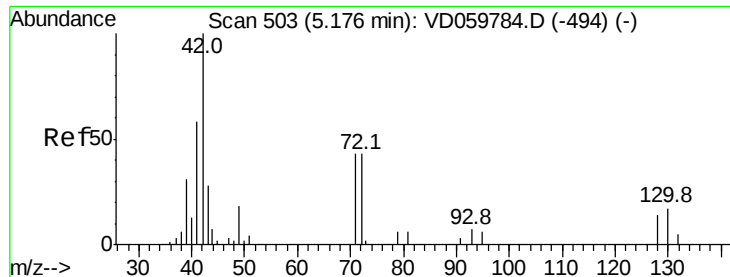
Bromochloromethane
 Concen: 19.996 ug/l
 RT: 5.12 min Scan# 498
 Delta R.T. -0.02 min
 Lab File: VD059799.D
 Acq: 15 Aug 2018 16:52

Tgt Ion: 49 Resp: 39395
 Ion Ratio Lower Upper
 49 100
 129 3.4 0.0 7.0
 130 76.4 64.8 97.2



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

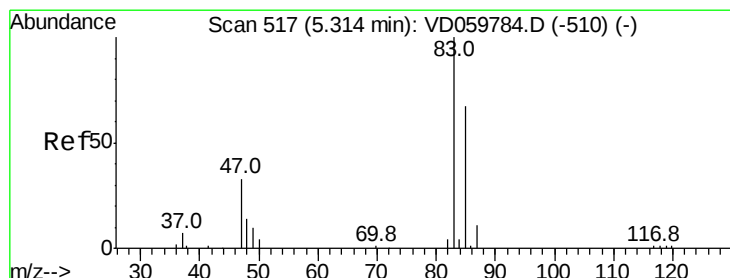
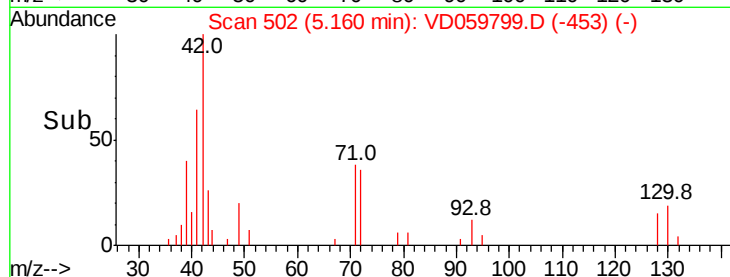
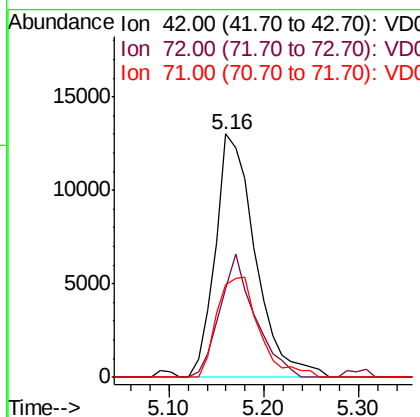
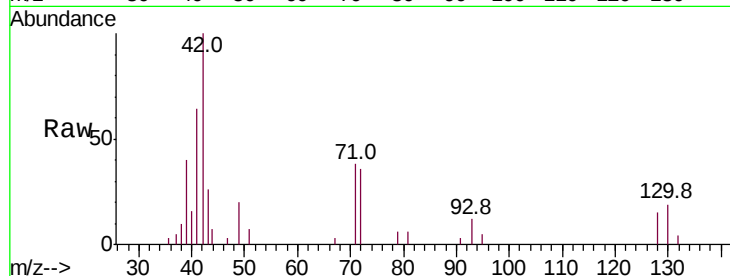




#29
Tetrahydrofuran
Concen: 104.102 ug/l
RT: 5.16 min Scan# 502
Delta R.T. -0.02 min
Lab File: VD059799.D
Acq: 15 Aug 2018 16:52

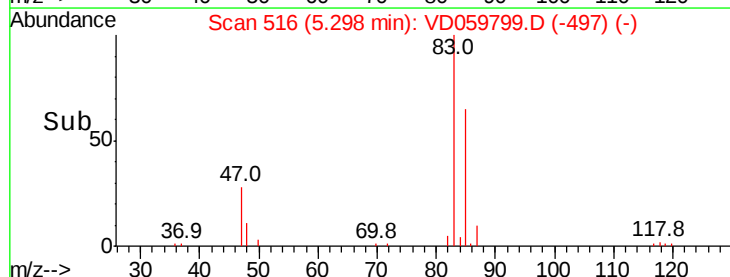
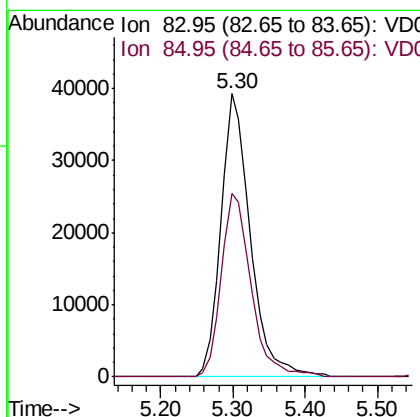
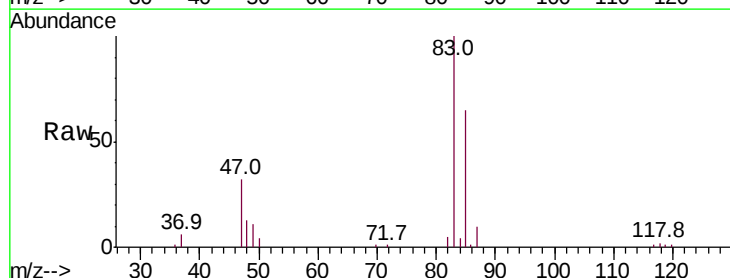
Instrument :
MSVOA_D
ClientSampleId :

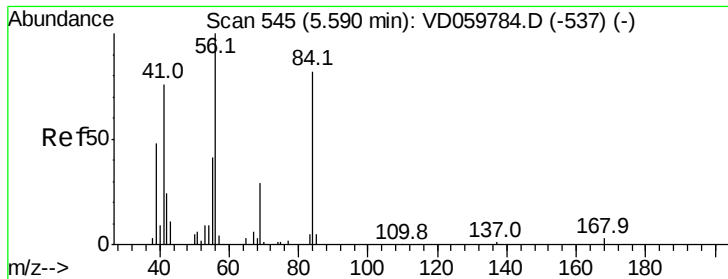
Tot Ion: 42 Resp: 38142
Ion Ratio Lower Upper
42 100
72 44.3 34.3 51.5
71 43.7 33.0 49.6



#30
Chloroform
Concen: 18.378 ug/l
RT: 5.30 min Scan# 516
Delta R.T. -0.02 min
Lab File: VD059799.D
Acq: 15 Aug 2018 16:52

Tgt Ion: 83 Resp: 110798
Ion Ratio Lower Upper
83 100
85 64.9 53.4 80.2





#31

Cyclohexane

Concen: 18.074 ug/l

RT: 5.57 min Scan# 544

Delta R.T. -0.02 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

Instrument :

MSVOA_D

ClientSampleId :

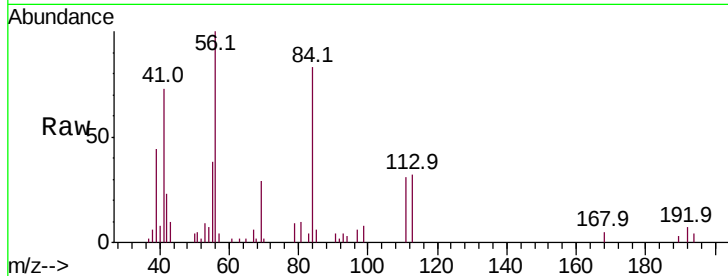
Tot Ion: 56 Resp: 65267

Ion Ratio Lower Upper

56 100

69 29.1 23.4 35.2

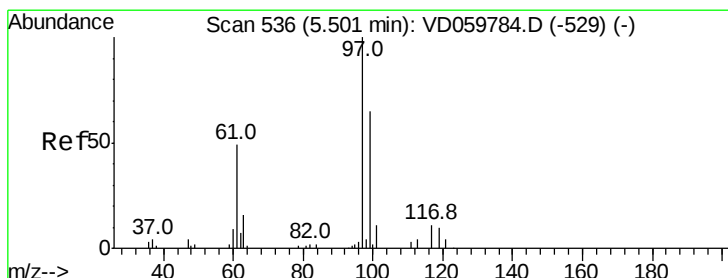
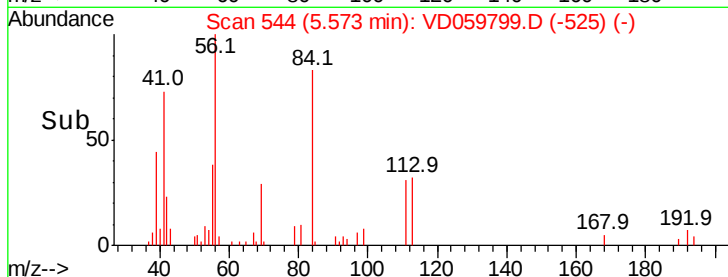
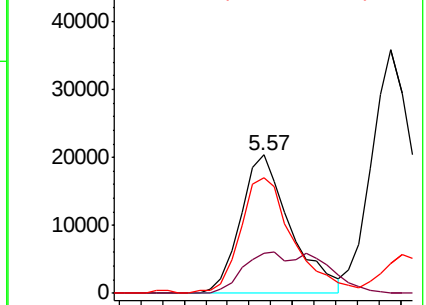
84 83.4 65.4 98.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 19.175 ug/l

RT: 5.49 min Scan# 536

Delta R.T. -0.01 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

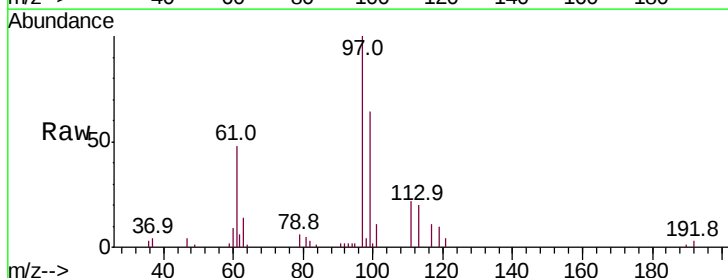
Tgt Ion: 97 Resp: 101643

Ion Ratio Lower Upper

97 100

99 64.4 52.2 78.2

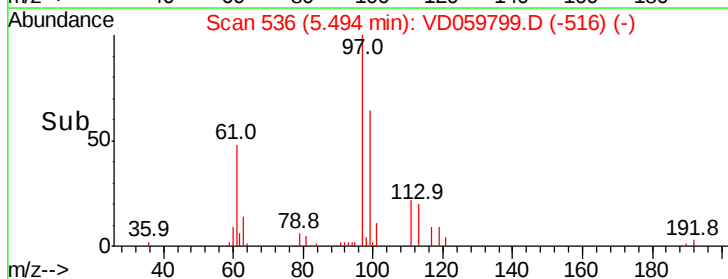
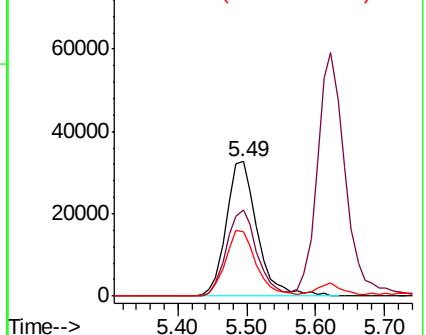
61 47.7 39.6 59.4

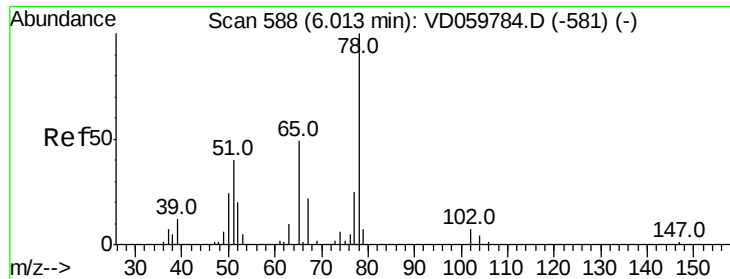


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 19.175 ug/l

RT: 6.00 min Scan# 587

Delta R.T. -0.02 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

Instrument :

MSVOA_D

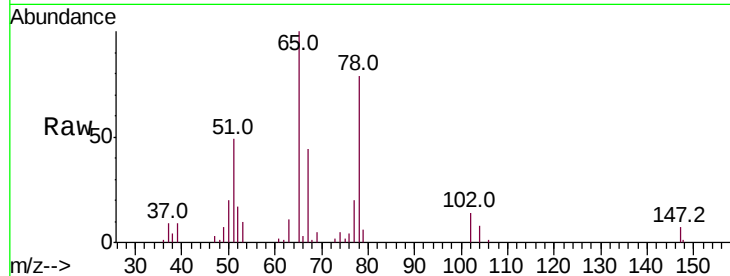
ClientSampled :

Tot Ion: 65 Resp: 186541

Ion Ratio Lower Upper

65 100

67 44.1 0.0 87.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.00

80000

60000

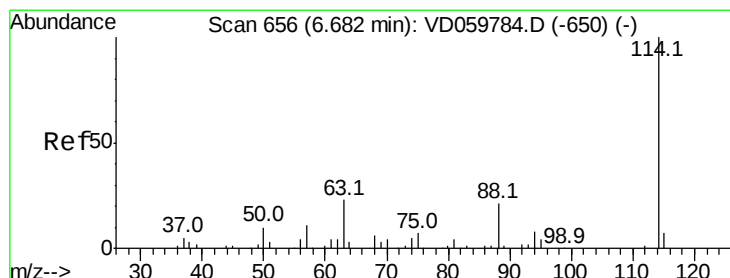
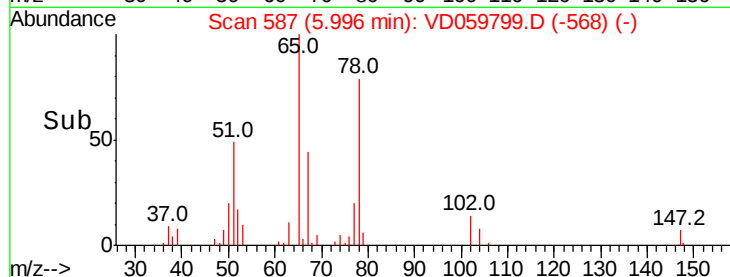
40000

20000

0

5.90 6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.67 min Scan# 656

Delta R.T. -0.01 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

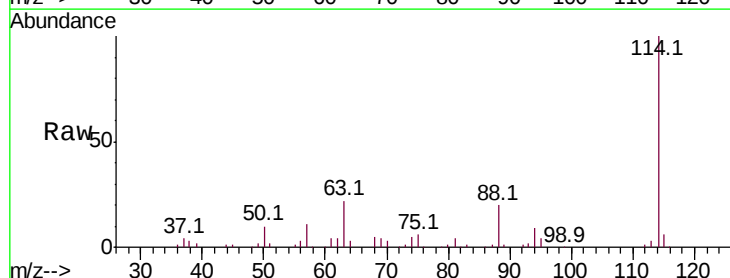
Tgt Ion:114 Resp: 361244

Ion Ratio Lower Upper

114 100

63 21.9 0.0 45.0

88 20.4 0.0 41.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

200000

150000

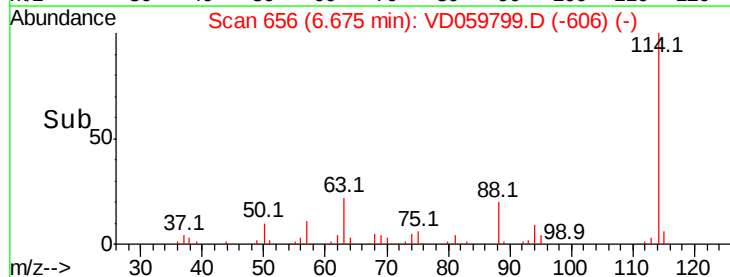
100000

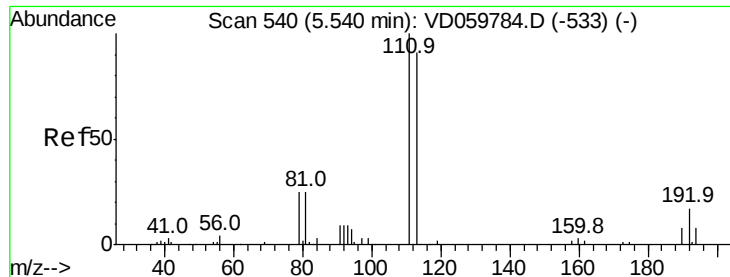
50000

0

6.50 6.60 6.70 6.80 6.90

Time-->

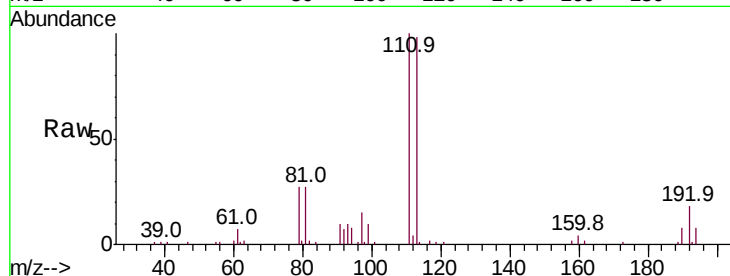




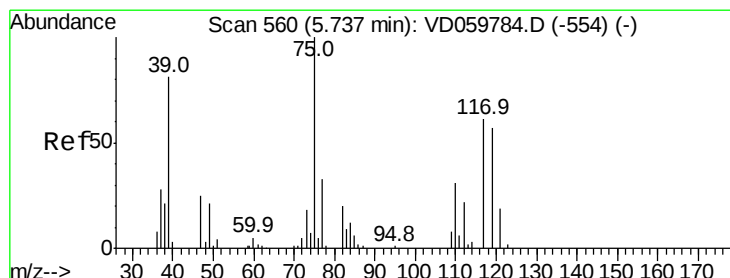
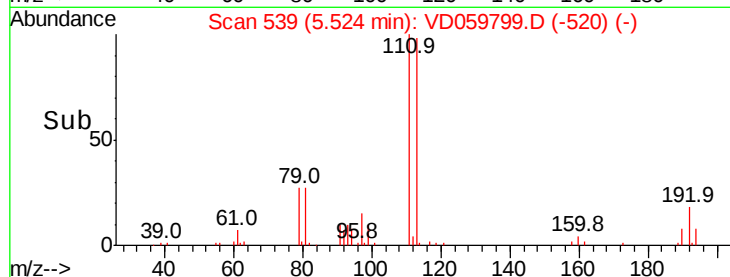
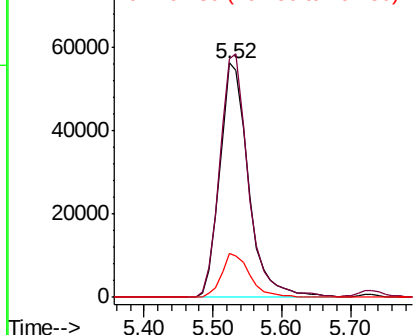
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.52 min Scan# 539
 Delta R.T. -0.02 min
 Lab File: VD059799.D
 Acq: 15 Aug 2018 16:52

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 162062
 Ion Ratio Lower Upper
 113 100
 111 101.8 87.7 131.5
 192 18.5 14.6 21.8

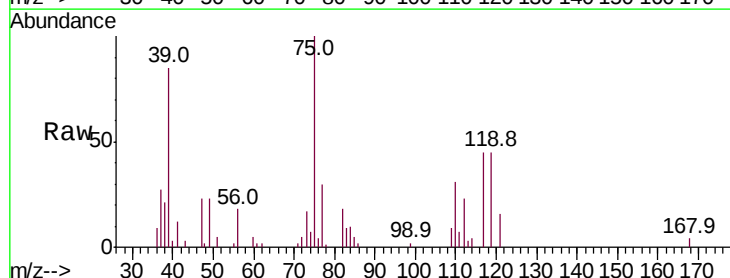


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

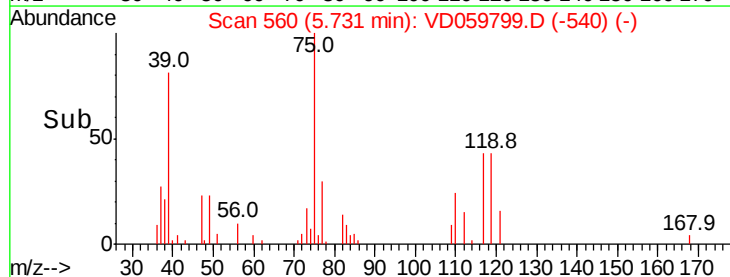
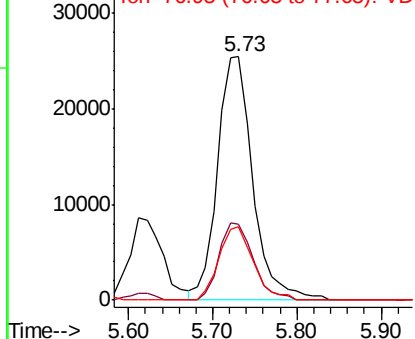


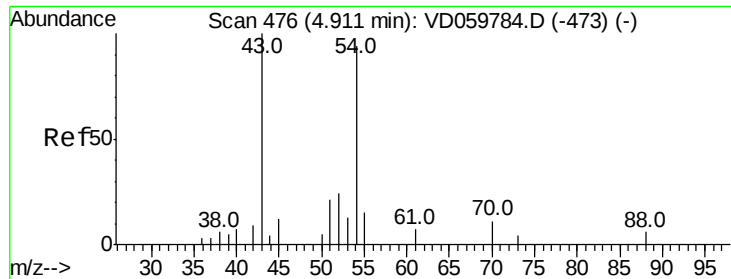
#36
 1,1-Dichloropropene
 Concen: 20.039 ug/l
 RT: 5.73 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD059799.D
 Acq: 15 Aug 2018 16:52

Tgt Ion: 75 Resp: 74272
 Ion Ratio Lower Upper
 75 100
 110 31.2 15.3 45.8
 77 30.3 26.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 23.824 ug/l

RT: 4.90 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

Instrument :

MSVOA_D

ClientSampleId :

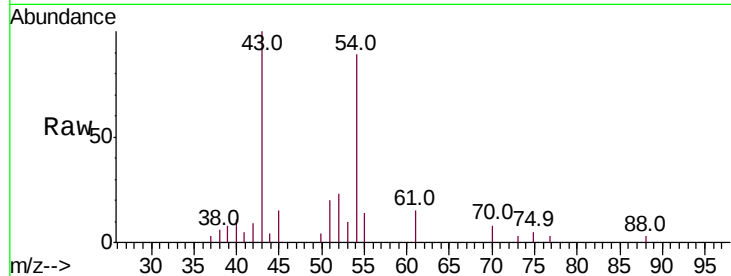
Tot Ion: 43 Resp: 44162

Ion Ratio Lower Upper

43 100

61 15.4 10.2 15.2#

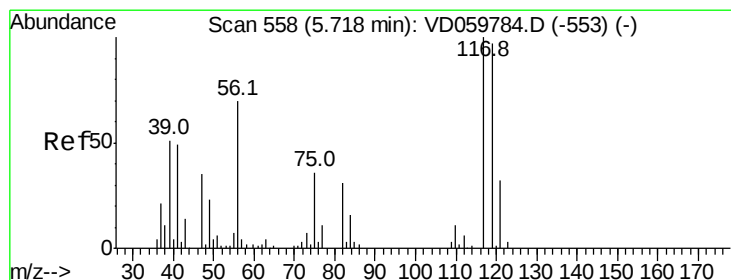
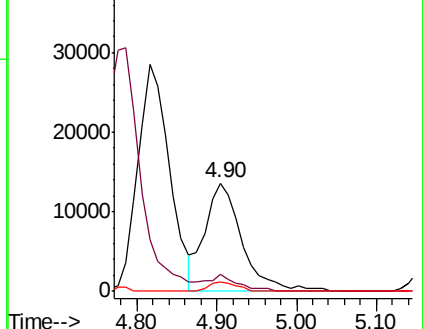
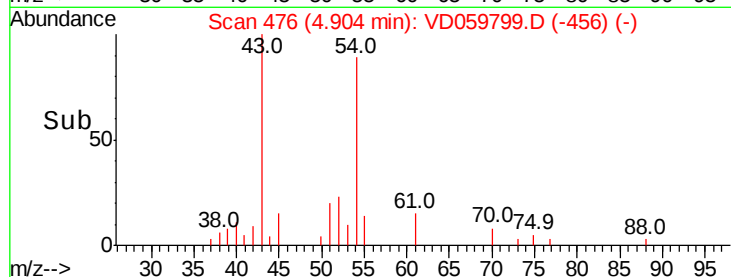
70 8.2 5.8 8.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 19.670 ug/l

RT: 5.70 min Scan# 557

Delta R.T. -0.02 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

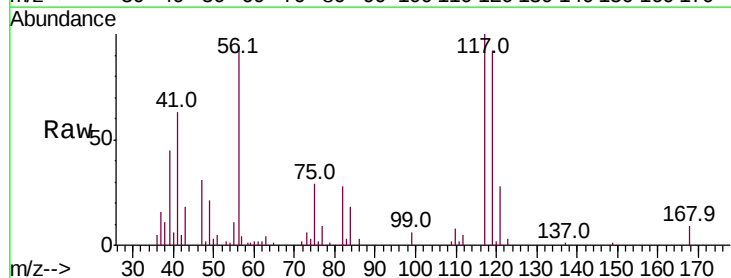
Tgt Ion: 117 Resp: 87956

Ion Ratio Lower Upper

117 100

119 92.1 75.7 113.5

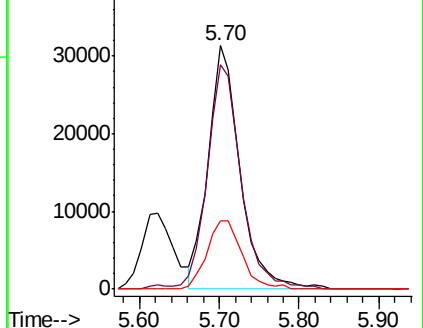
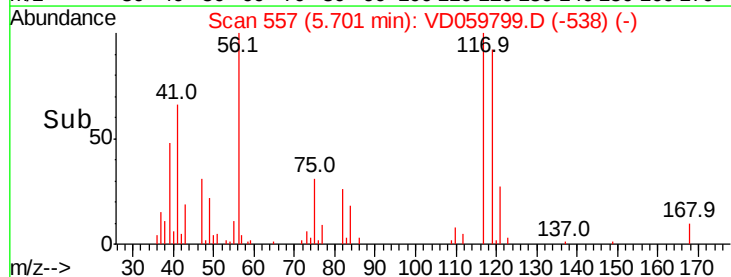
121 28.1 24.7 37.1

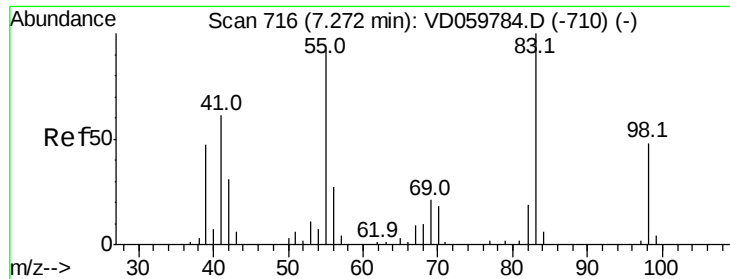


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

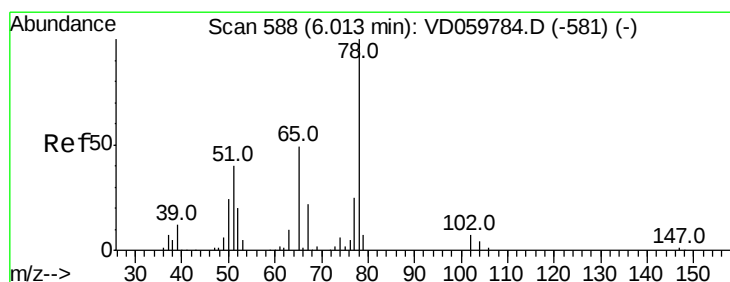
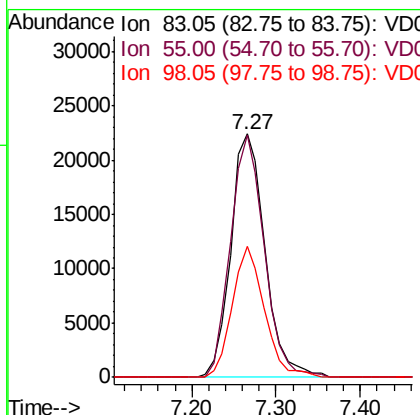
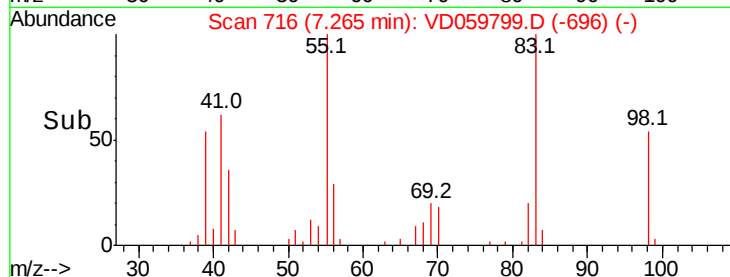
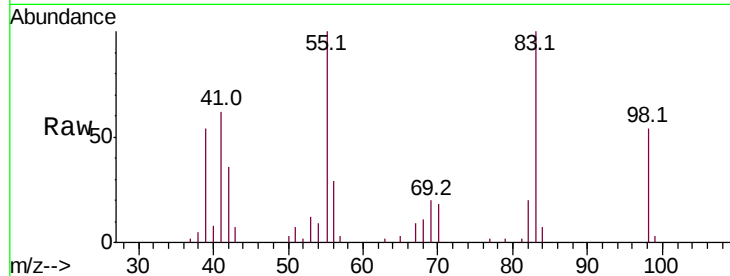




#39
Methvlcvclohexane
Concen: 19.702 ug/l
RT: 7.27 min Scan# 716
Delta R.T. -0.01 min
Lab File: VD059799.D
Acq: 15 Aug 2018 16:52

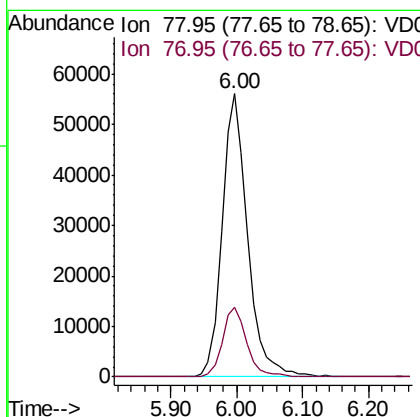
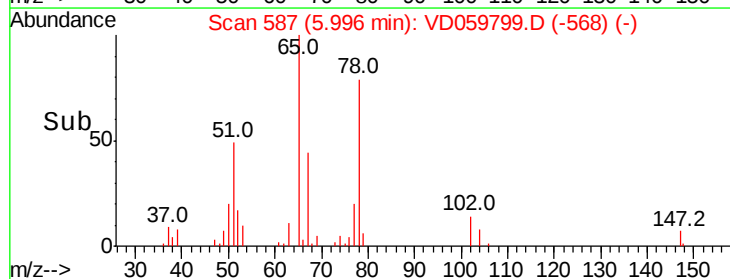
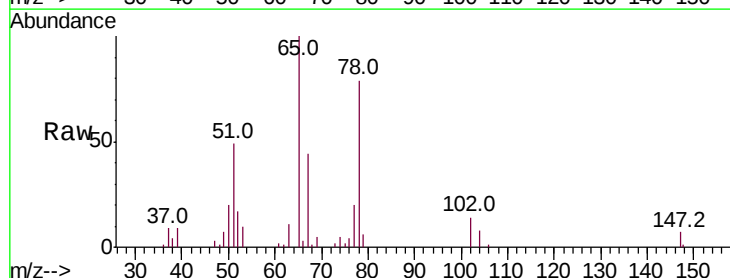
Instrument :
MSVOA_D
ClientSampled :

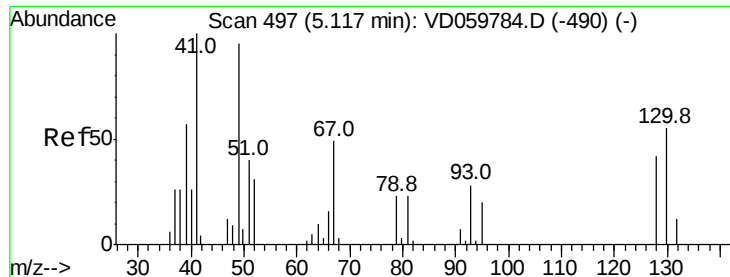
Tot Ion: 83 Resp: 63166
Ion Ratio Lower Upper
83 100
55 99.7 73.8 110.6
98 53.8 38.4 57.6



#40
Benzene
Concen: 19.163 ug/l
RT: 6.00 min Scan# 587
Delta R.T. -0.02 min
Lab File: VD059799.D
Acq: 15 Aug 2018 16:52

Tgt Ion: 78 Resp: 150651
Ion Ratio Lower Upper
78 100
77 24.8 19.6 29.4





#41

Methacrylonitrile

Concen: 24.990 ug/l

RT: 5.11 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 22163

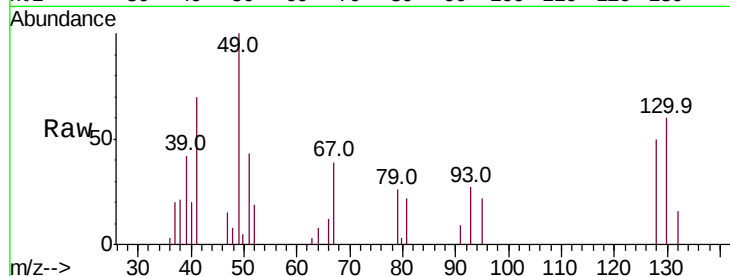
Ion Ratio Lower Upper

41 100

39 59.3 45.4 68.2

67 55.9 39.5 59.3

52 26.4 24.8 37.2

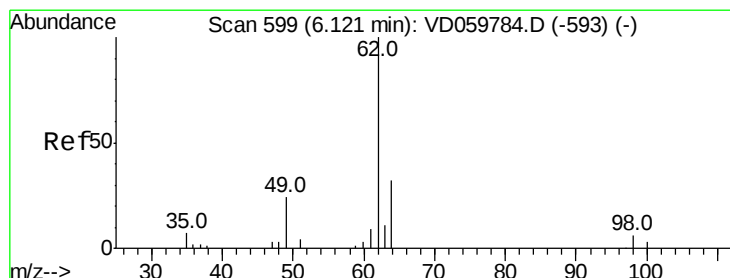
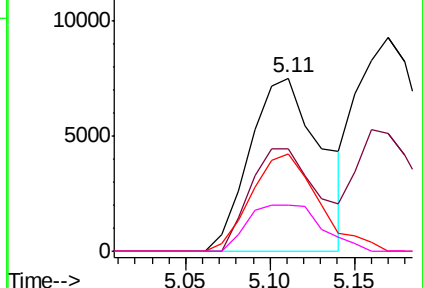
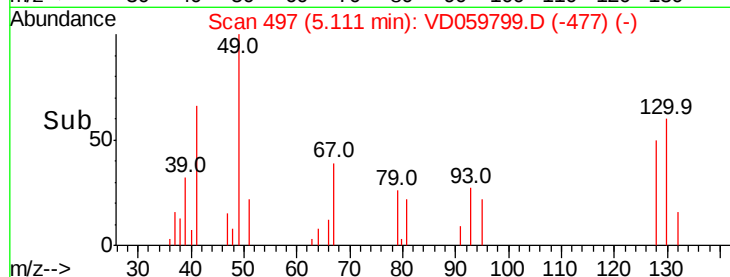


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.532 ug/l

RT: 6.10 min Scan# 598

Delta R.T. -0.02 min

Lab File: VD059799.D

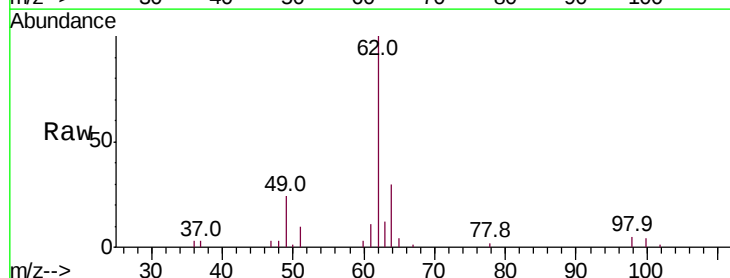
Acq: 15 Aug 2018 16:52

Tgt Ion: 62 Resp: 87355

Ion Ratio Lower Upper

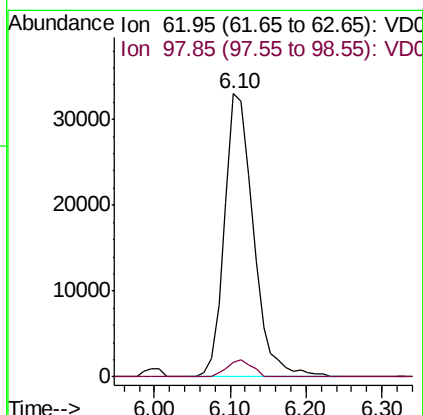
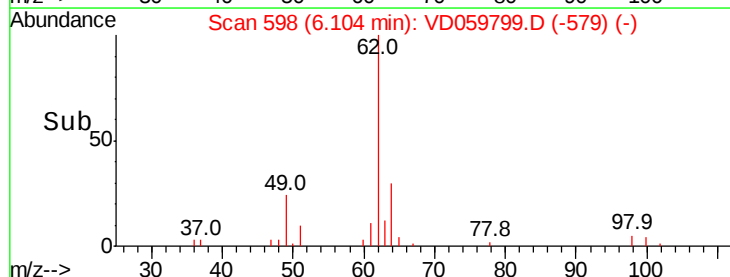
62 100

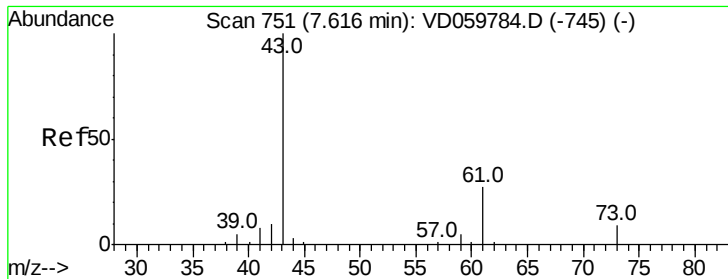
98 5.0 0.0 12.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



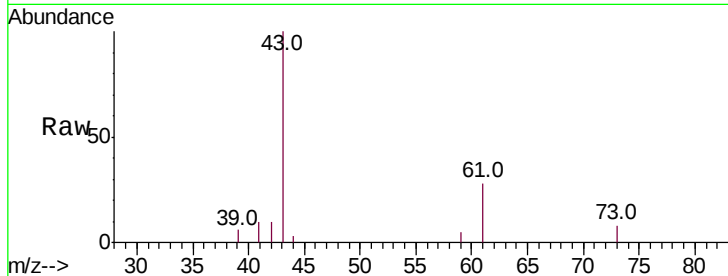


#43

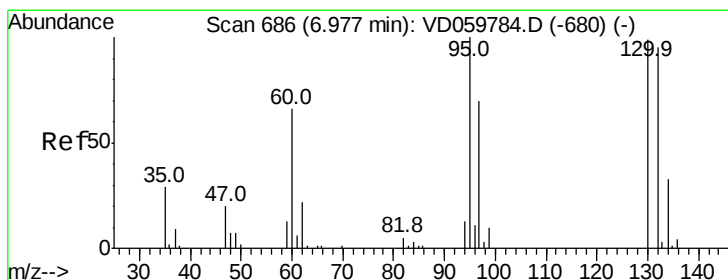
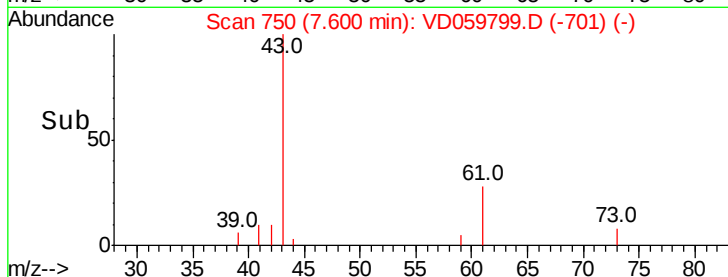
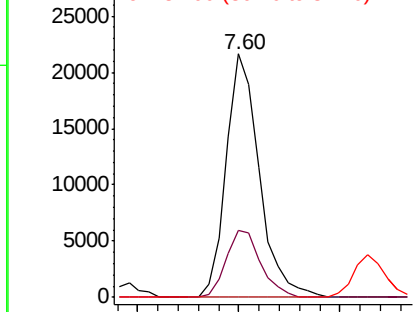
Isopropyl Acetate
 Concen: 21.029 ug/l
 RT: 7.60 min Scan# 750
 Delta R.T. -0.02 min
 Lab File: VD059799.D
 Acq: 15 Aug 2018 16:52

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 43 Resp: 49227
 Ion Ratio Lower Upper
 43 100
 61 27.6 21.2 31.8
 87 0.0 0.0 0.0



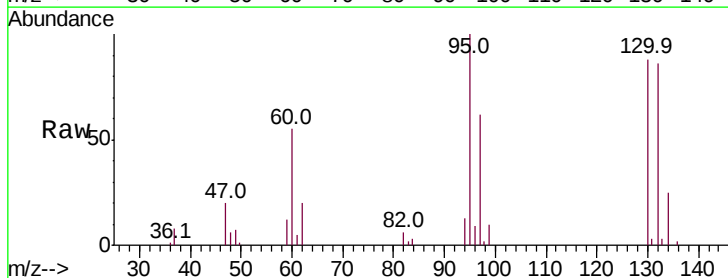
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



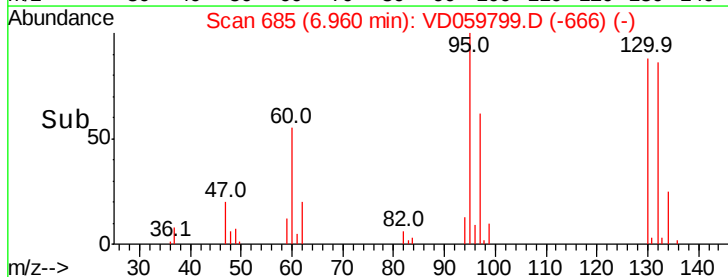
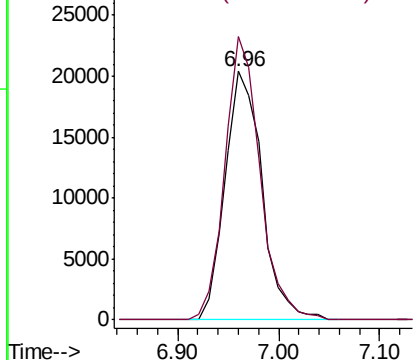
#44

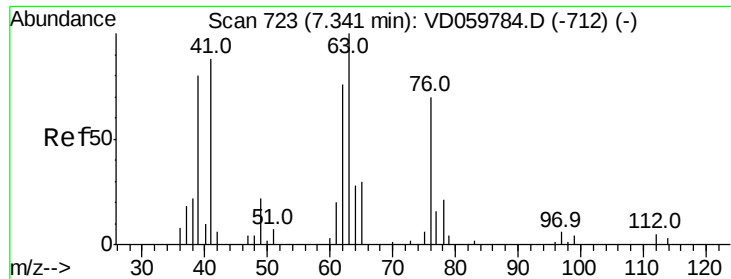
Trichloroethene
 Concen: 19.290 ug/l
 RT: 6.96 min Scan# 685
 Delta R.T. -0.02 min
 Lab File: VD059799.D
 Acq: 15 Aug 2018 16:52

Tgt Ion: 130 Resp: 51929
 Ion Ratio Lower Upper
 130 100
 95 113.8 0.0 201.2



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.167 ug/l

RT: 7.33 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

Instrument :

MSVOA_D

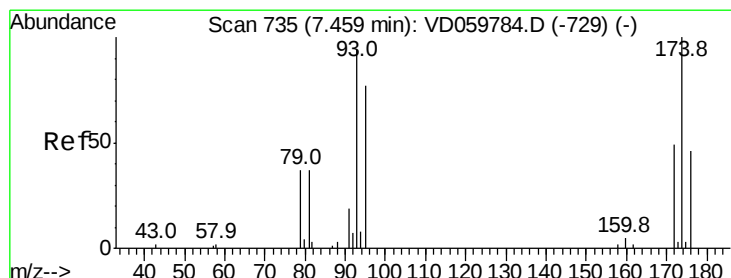
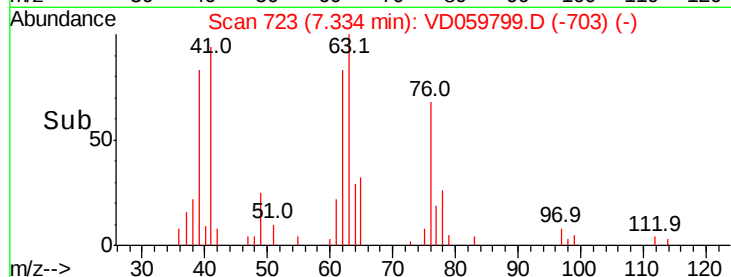
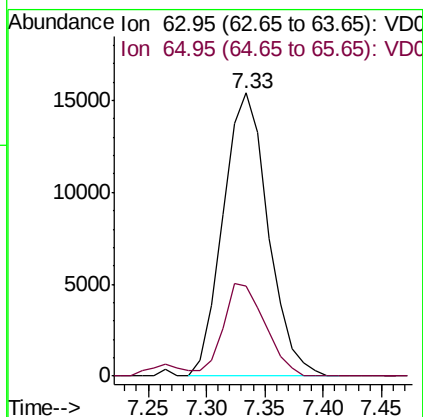
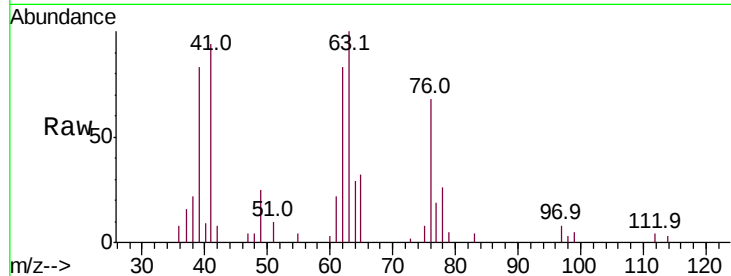
ClientSampled :

Tot Ion: 63 Resp: 41208

Ion Ratio Lower Upper

63 100

65 31.6 24.2 36.4



#46

Dibromomethane

Concen: 20.986 ug/l

RT: 7.44 min Scan# 734

Delta R.T. -0.02 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

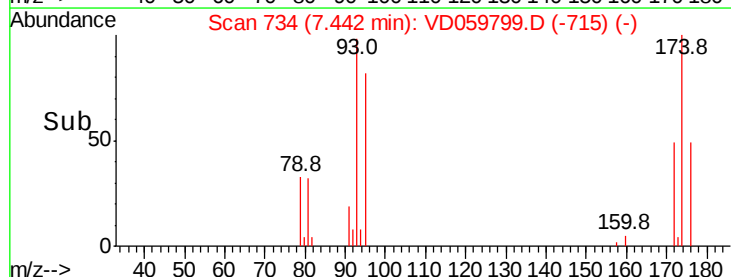
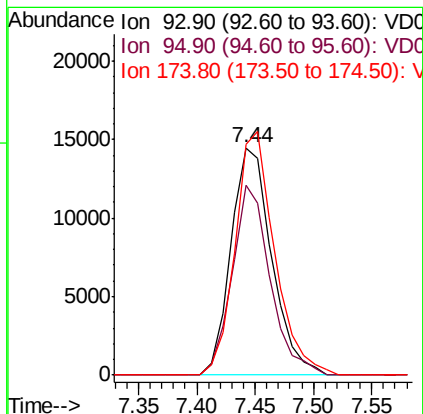
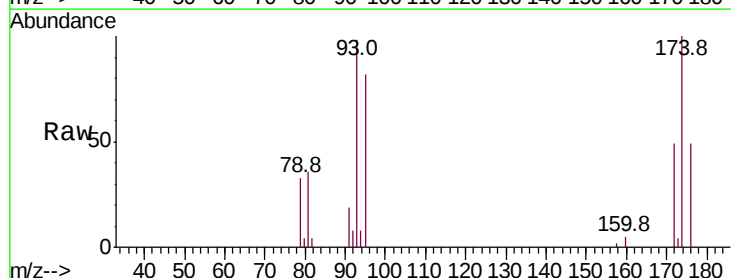
Tgt Ion: 93 Resp: 35073

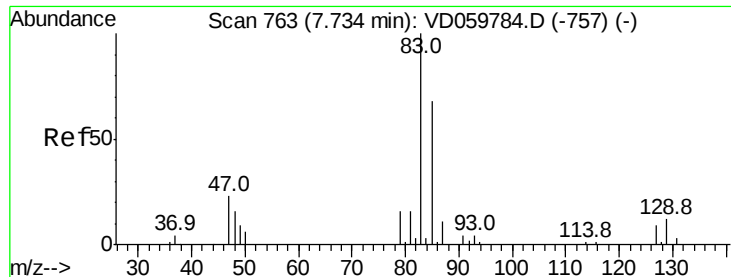
Ion Ratio Lower Upper

93 100

95 83.4 66.2 99.4

174 101.6 85.5 128.3





#47

Bromodichloromethane

Concen: 19.566 ug/l

RT: 7.73 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

Instrument :

MSVOA_D

ClientSampleId :

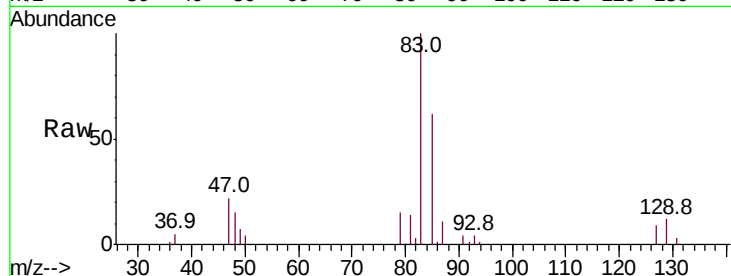
Tot Ion: 83 Resp: 80118

Ion Ratio Lower Upper

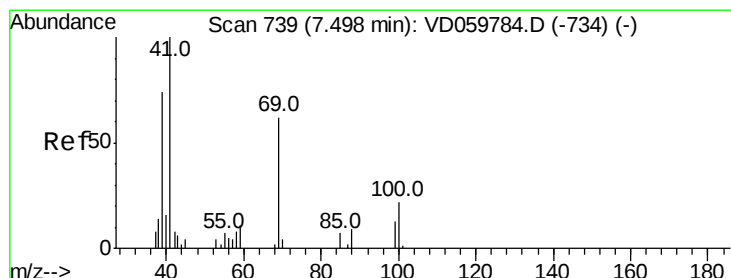
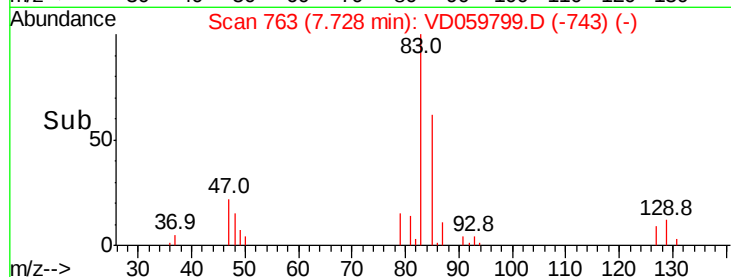
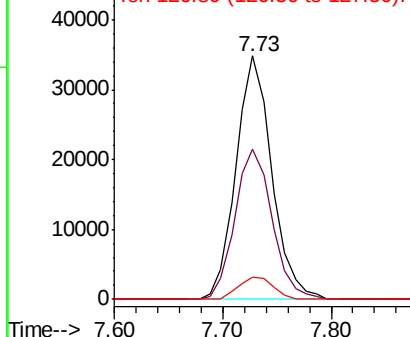
83 100

85 61.9 54.1 81.1

127 9.3 7.5 11.3



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 21.427 ug/l

RT: 7.49 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

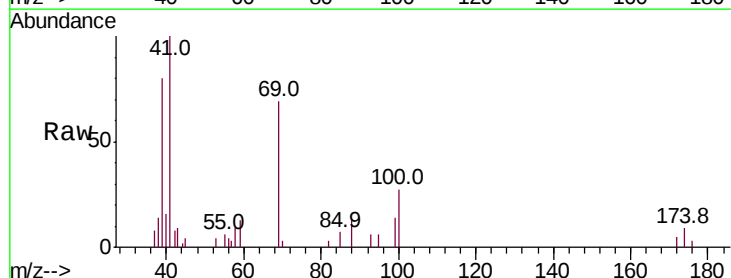
Tgt Ion: 41 Resp: 32729

Ion Ratio Lower Upper

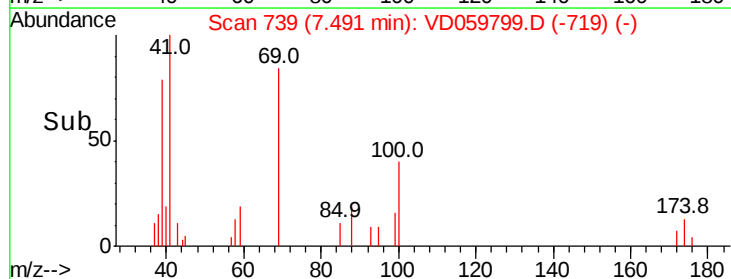
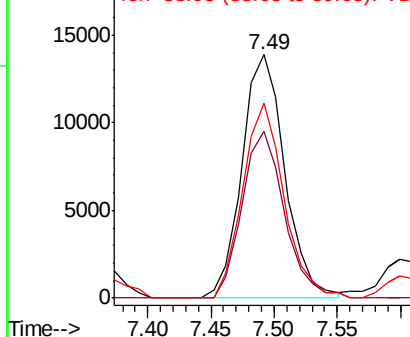
41 100

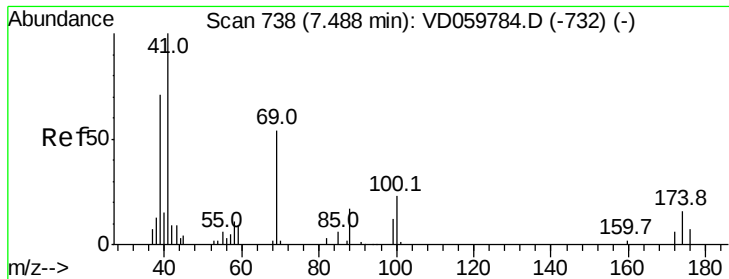
69 68.7 49.8 74.8

39 79.9 59.0 88.4



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

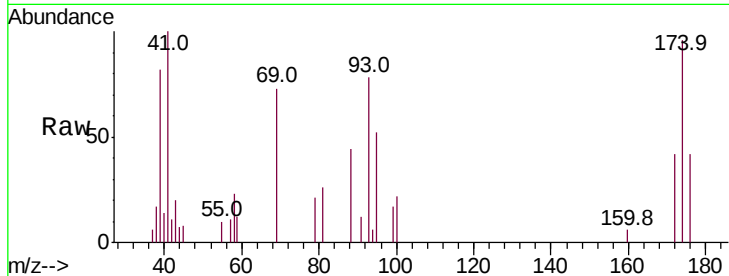




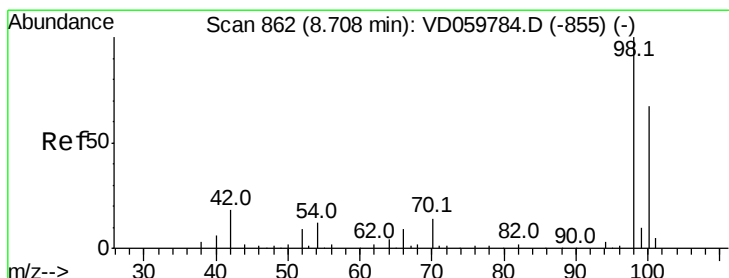
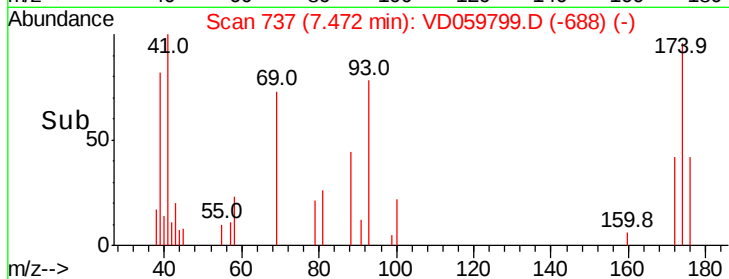
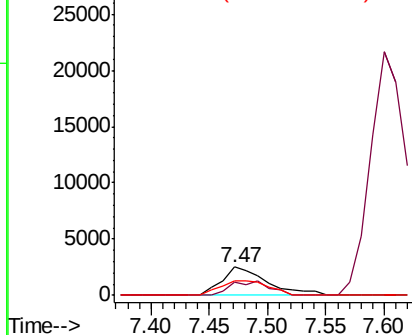
#49
1,4-Dioxane
Concen: 491.377 ug/l
RT: 7.47 min Scan# 737
Delta R.T. -0.02 min
Lab File: VD059799.D
Acq: 15 Aug 2018 16:52

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 6610
Ion Ratio Lower Upper
88 100
43 44.7 42.0 63.0
58 53.1 51.4 77.0

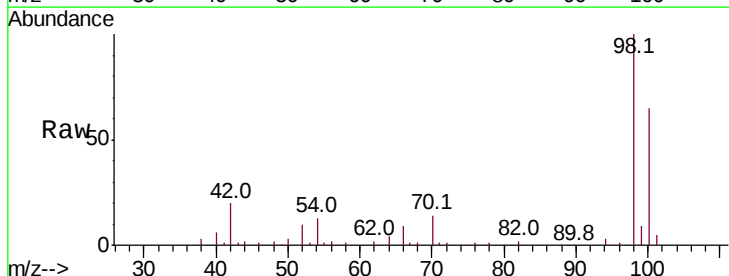


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

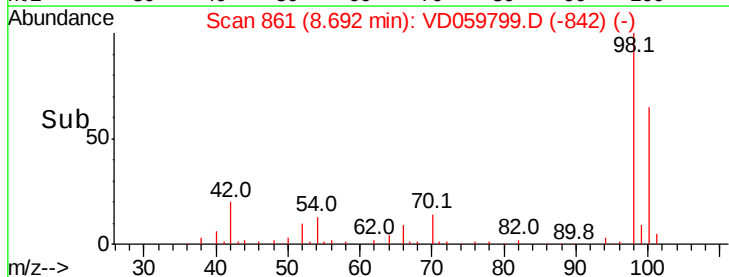
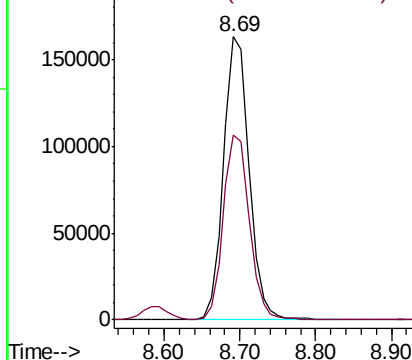


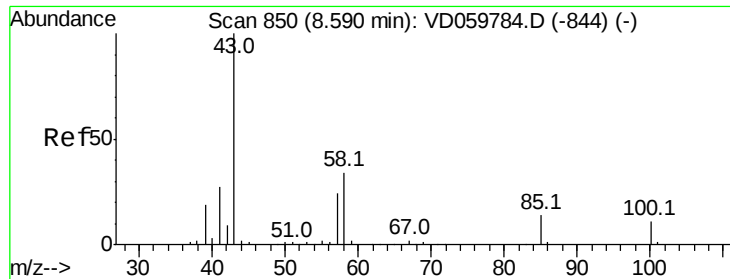
#50
Toluene-d8
Concen: 491.377 ug/l
RT: 8.69 min Scan# 861
Delta R.T. -0.02 min
Lab File: VD059799.D
Acq: 15 Aug 2018 16:52

Tgt Ion: 98 Resp: 381136
Ion Ratio Lower Upper
98 100
100 65.5 54.2 81.4



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 93.724 ug/l

RT: 8.58 min Scan# 850

Delta R.T. -0.01 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

Instrument :

MSVOA_D

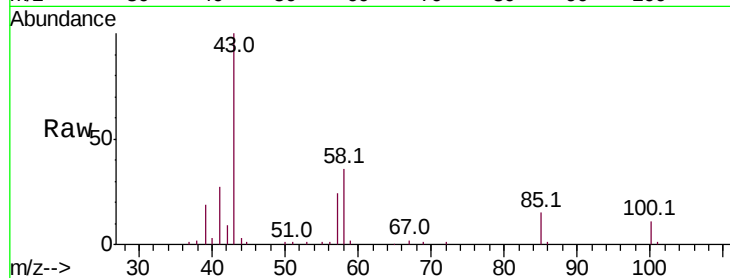
ClientSampleId :

Tot Ion: 43 Resp: 165840

Ion Ratio Lower Upper

43 100

58 36.0 27.5 41.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

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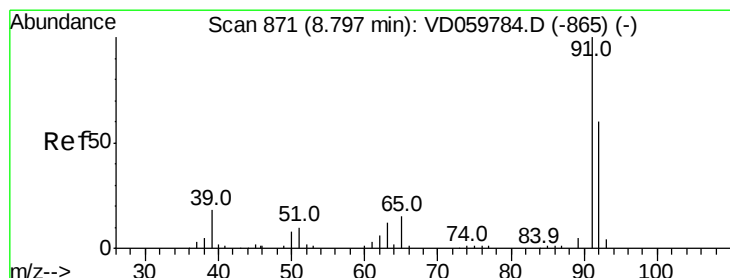
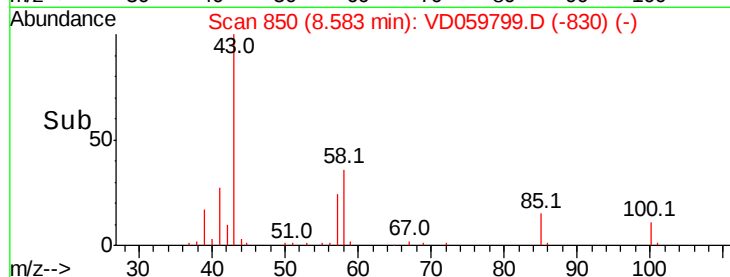
8.58

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#52

Toluene

Concen: 19.903 ug/l

RT: 8.79 min Scan# 871

Delta R.T. -0.01 min

Lab File: VD059799.D

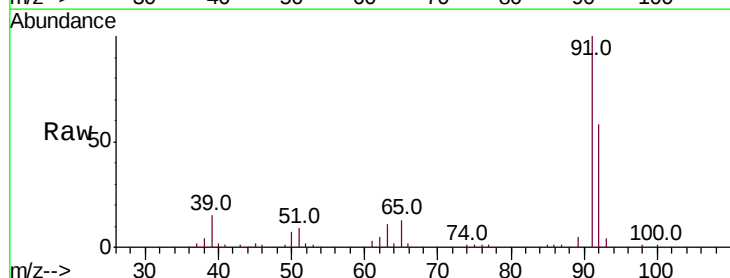
Acq: 15 Aug 2018 16:52

Tgt Ion: 92 Resp: 100235

Ion Ratio Lower Upper

92 100

91 173.7 133.1 199.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

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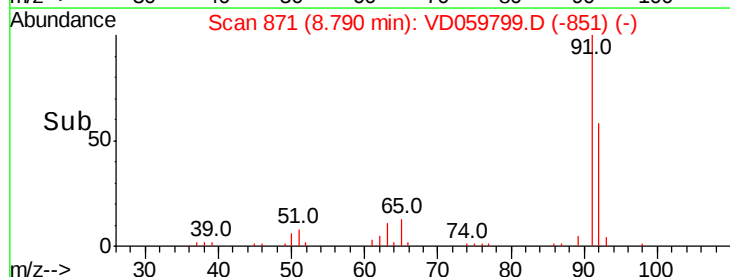
8.79

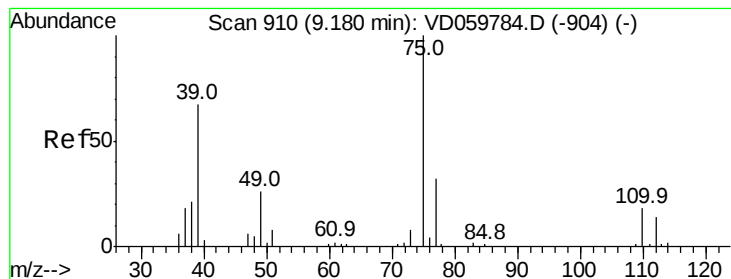
8.79

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8.79





#53

t-1,3-Dichloropropene

Concen: 20.737 ug/l

RT: 9.17 min Scan# 910

Delta R.T. -0.01 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

Instrument :

MSVOA_D

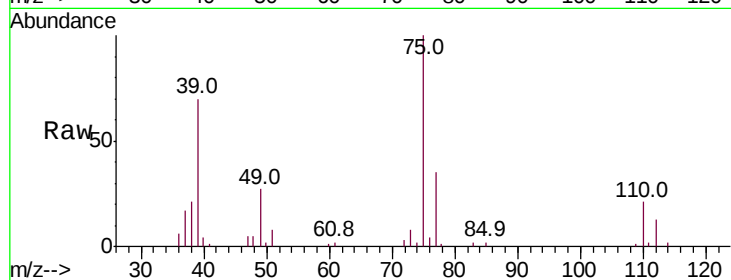
ClientSampleId :

Tot Ion: 75 Resp: 70403

Ion Ratio Lower Upper

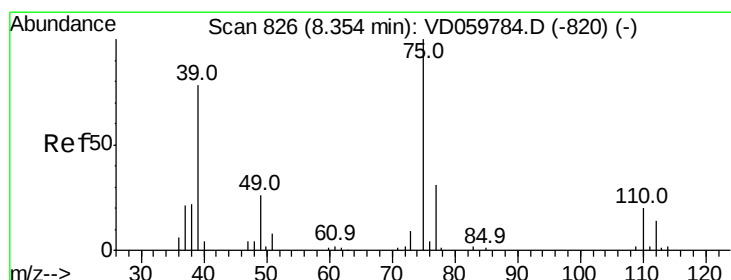
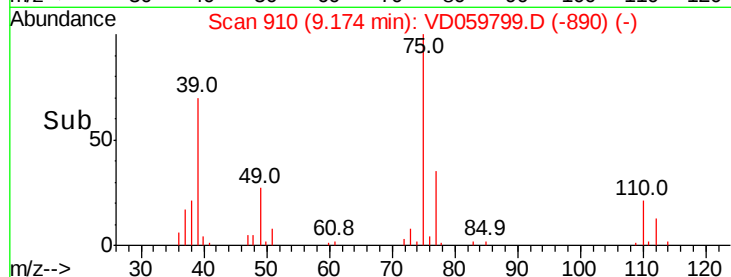
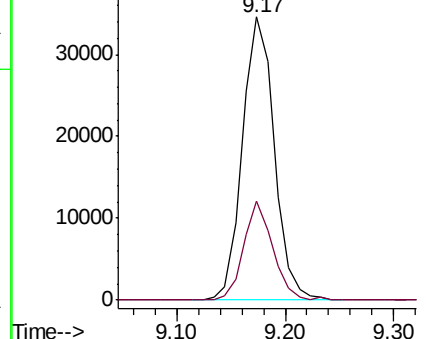
75 100

77 35.0 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 20.265 ug/l

RT: 8.35 min Scan# 826

Delta R.T. -0.01 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

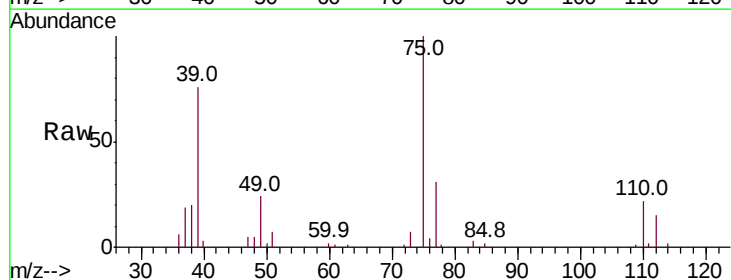
Tgt Ion: 75 Resp: 74355

Ion Ratio Lower Upper

75 100

77 30.6 24.8 37.2

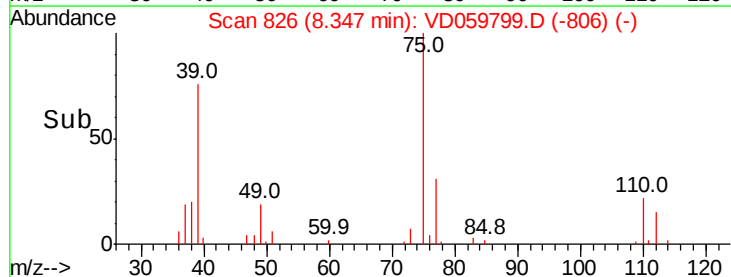
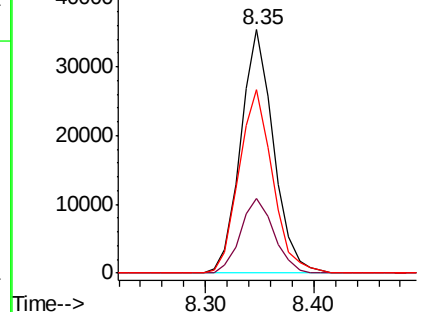
39 75.5 62.5 93.7

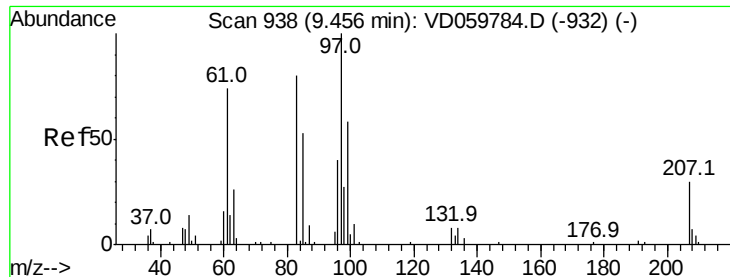


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 20.340 ug/l

RT: 9.44 min Scan# 937

Delta R.T. -0.02 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 37818

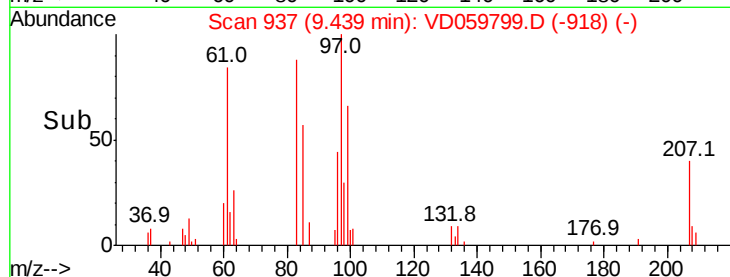
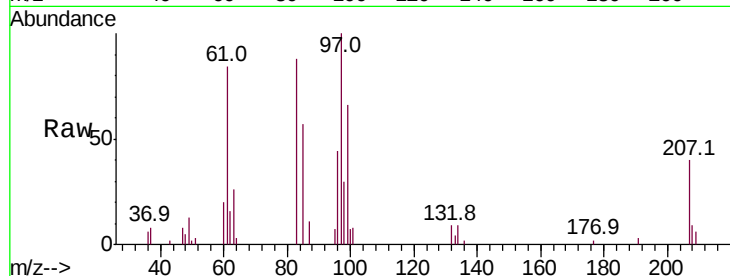
Ion Ratio Lower Upper

97 100

83 88.5 63.8 95.8

85 56.9 42.5 63.7

99 65.6 46.2 69.4

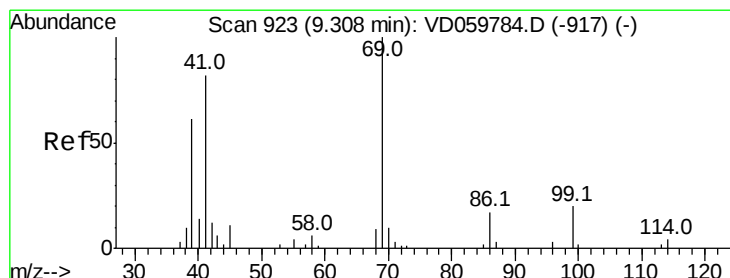
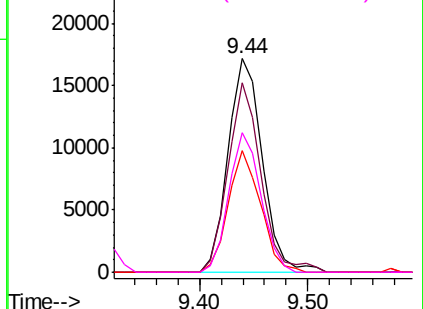


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 21.675 ug/l

RT: 9.30 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

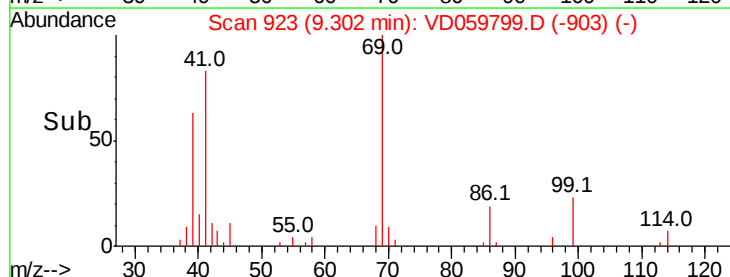
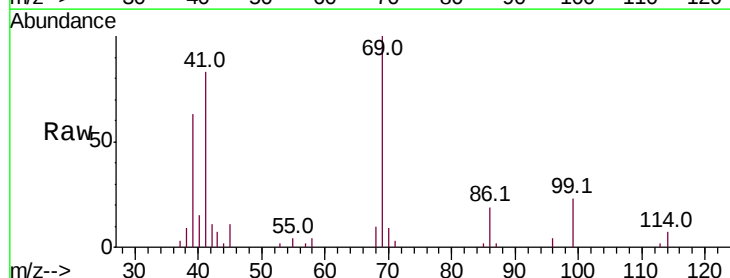
Tgt Ion: 69 Resp: 43644

Ion Ratio Lower Upper

69 100

41 82.7 65.8 98.8

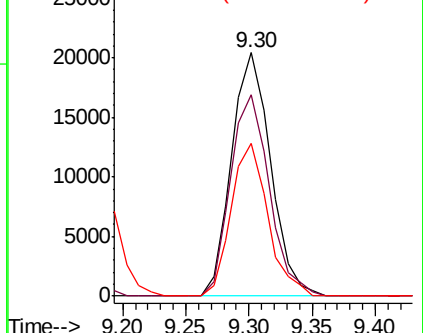
39 62.6 49.7 74.5

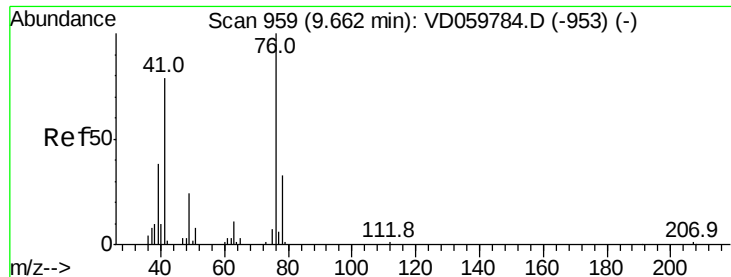


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 20.397 ug/l

RT: 9.66 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

Instrument :

MSVOA_D

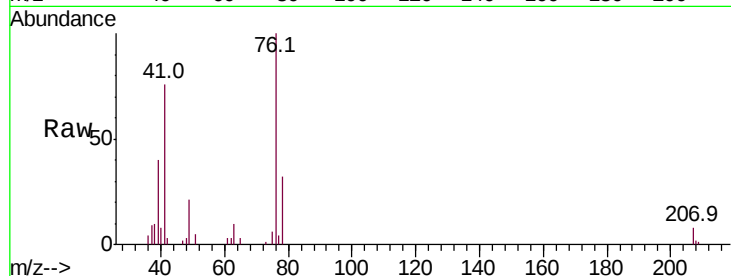
ClientSampleId :

Tot Ion: 76 Resp: 59408

Ion Ratio Lower Upper

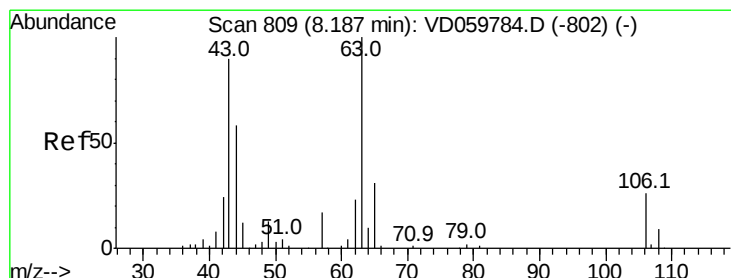
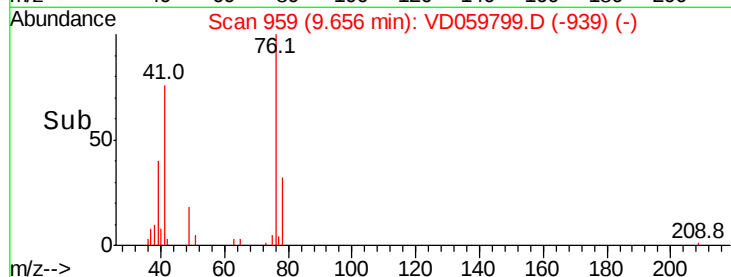
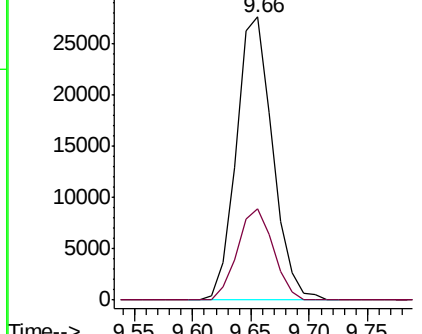
76 100

78 32.4 26.4 39.6



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 113.930 ug/l

RT: 8.17 min Scan# 808

Delta R.T. -0.02 min

Lab File: VD059799.D

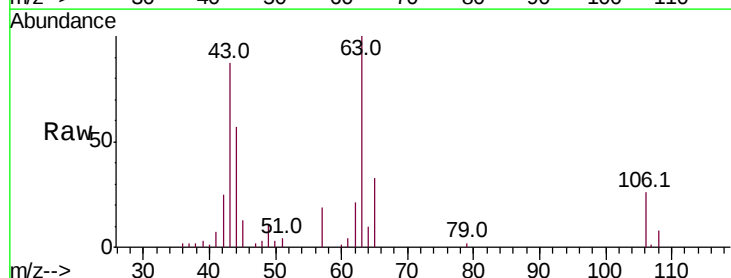
Acq: 15 Aug 2018 16:52

Tgt Ion: 63 Resp: 113382

Ion Ratio Lower Upper

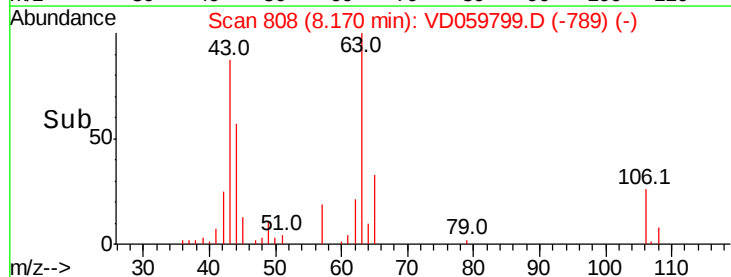
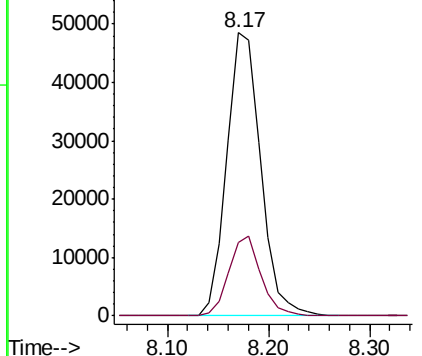
63 100

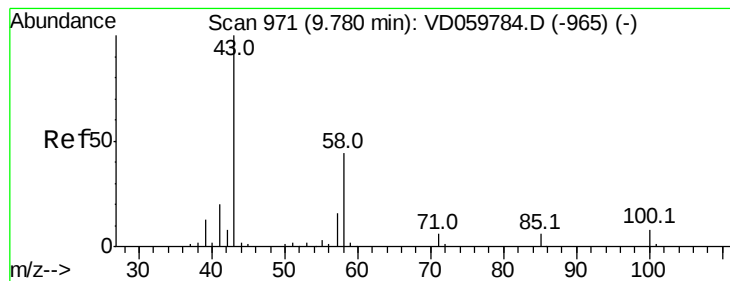
106 26.0 21.1 31.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 101.937 ug/l

RT: 9.77 min Scan# 971

Delta R.T. -0.01 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

Instrument :

MSVOA_D

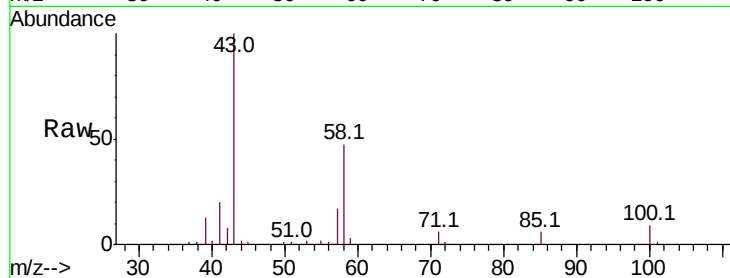
ClientSampled :

Tot Ion: 43 Resp: 129340

Ion Ratio Lower Upper

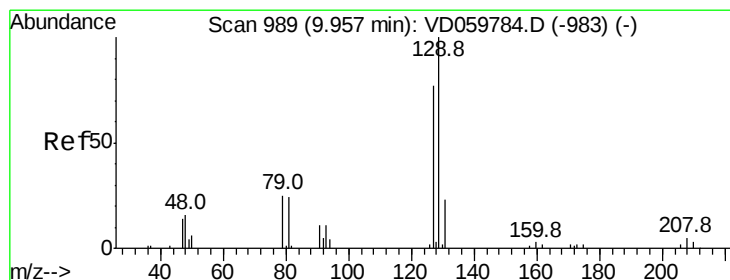
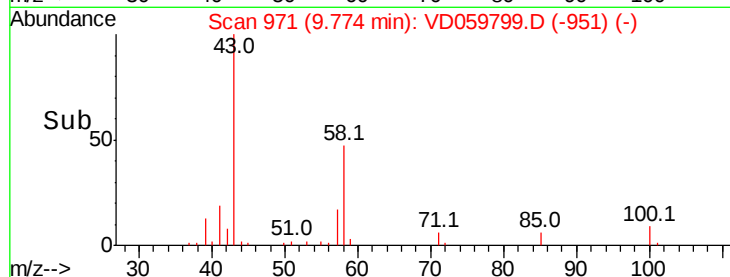
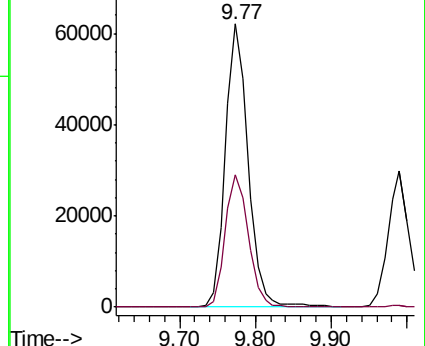
43 100

58 46.8 22.3 66.8



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 57.95 (57.65 to 58.65): V



#60

Dibromochloromethane

Concen: 19.907 ug/l

RT: 9.94 min Scan# 988

Delta R.T. -0.02 min

Lab File: VD059799.D

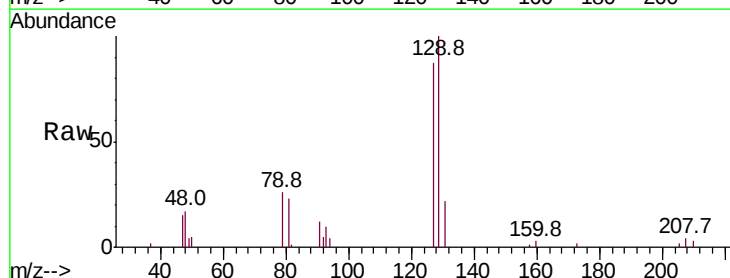
Acq: 15 Aug 2018 16:52

Tgt Ion:129 Resp: 53739

Ion Ratio Lower Upper

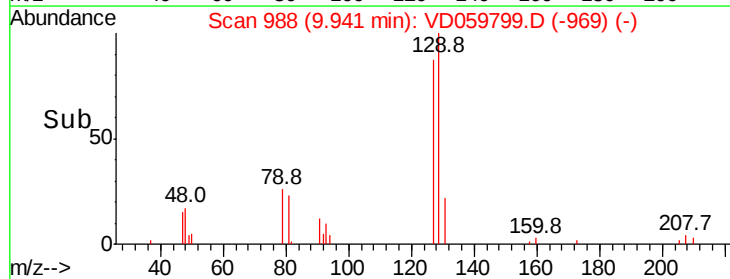
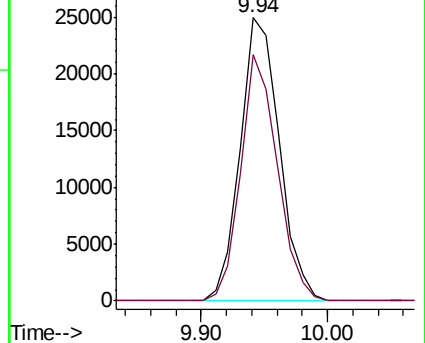
129 100

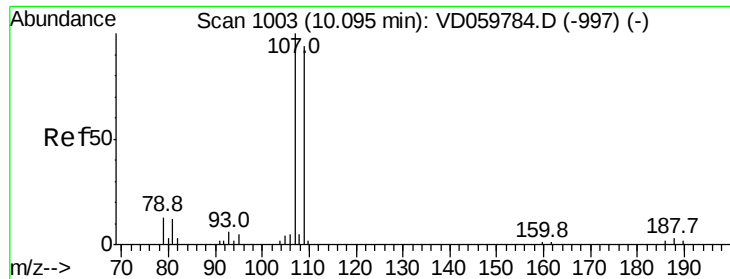
127 86.9 38.4 115.1



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 21.162 ug/l

RT: 10.08 min Scan# 1002

Delta R.T. -0.02 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

Instrument :

MSVOA_D

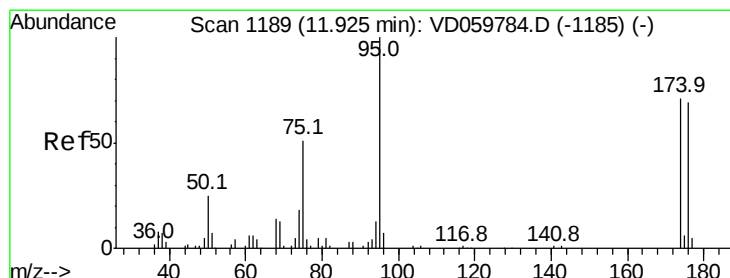
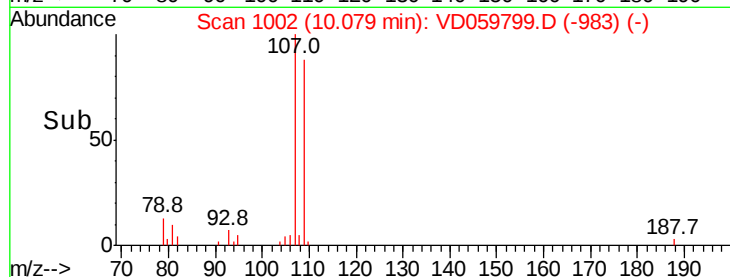
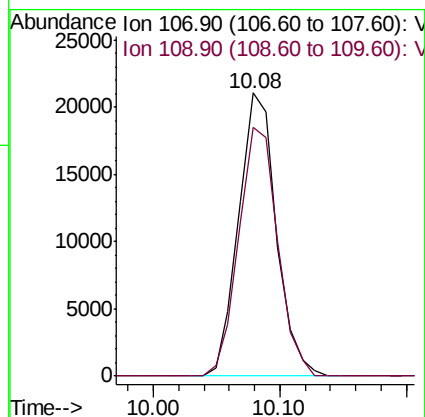
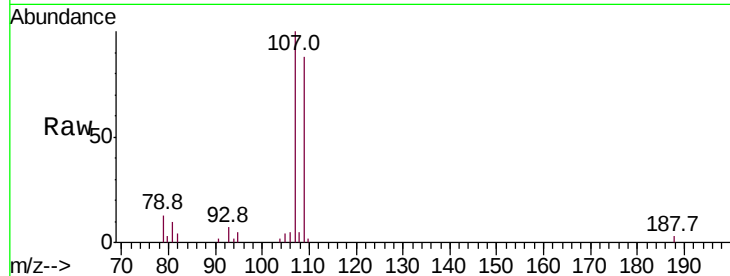
ClientSampleId :

Tot Ion:107 Resp: 43585

Ion Ratio Lower Upper

107 100

109 88.0 75.2 112.8



#62

4-Bromofluorobenzene

Concen: 21.162 ug/l

RT: 11.93 min Scan# 1190

Delta R.T. 0.00 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

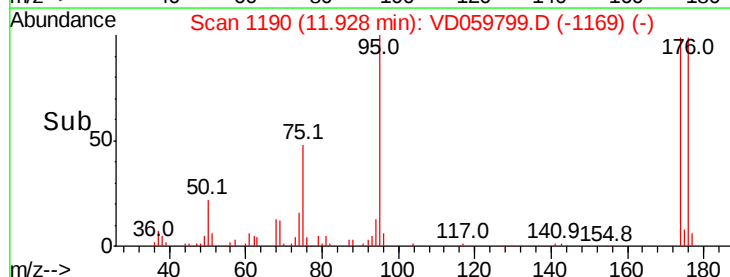
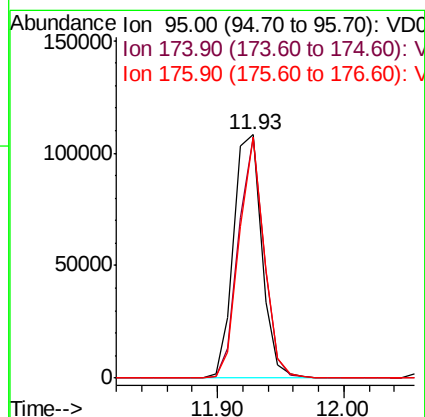
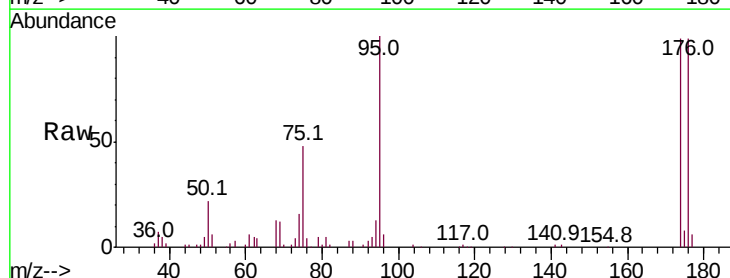
Tgt Ion: 95 Resp: 166816

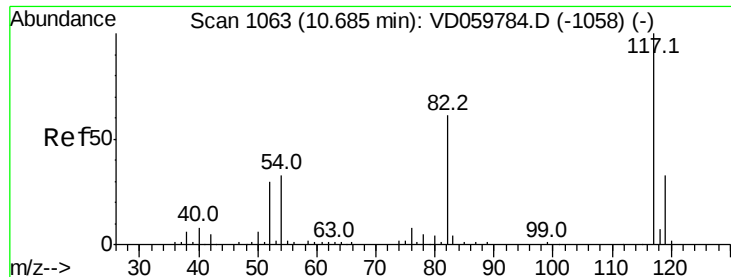
Ion Ratio Lower Upper

95 100

174 98.9 0.0 142.2

176 99.1 0.0 137.4

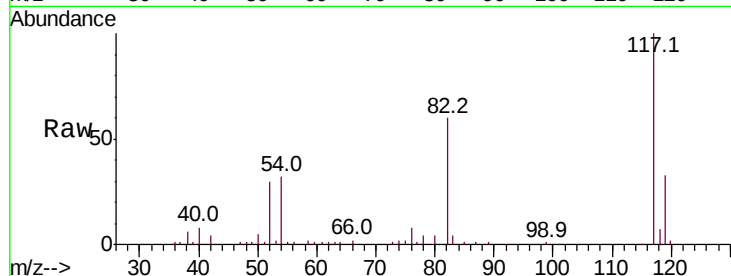




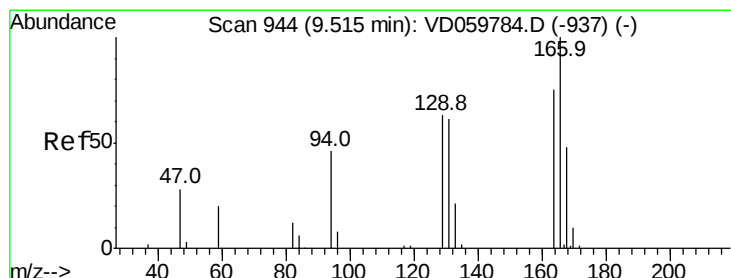
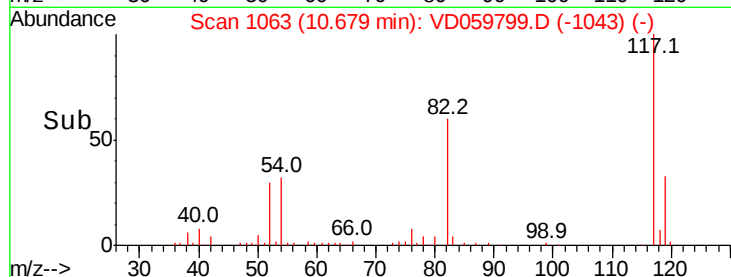
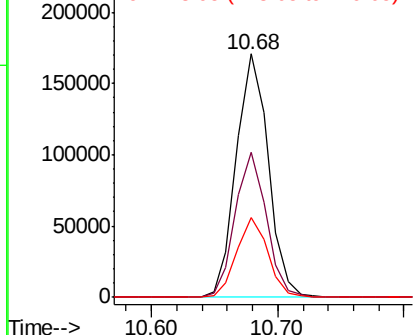
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1063
Delta R.T. -0.01 min
Lab File: VD059799.D
Acq: 15 Aug 2018 16:52

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 300684
Ion Ratio Lower Upper
117 100
82 59.7 49.0 73.6
119 33.0 26.2 39.2

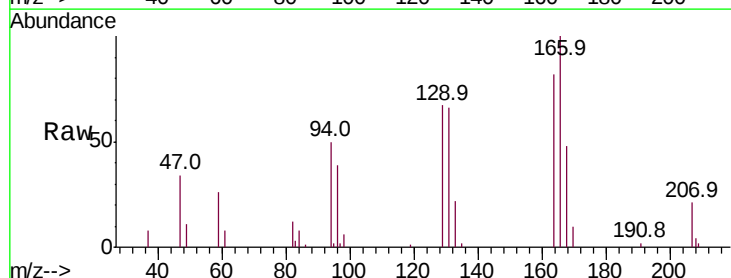


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

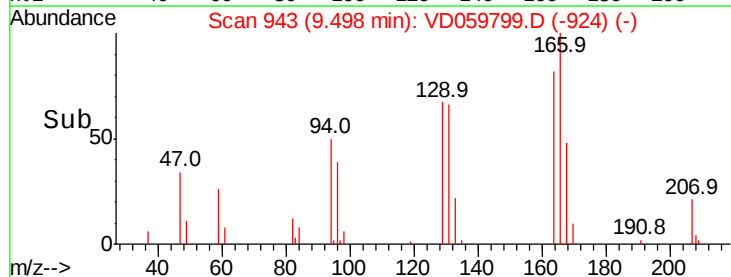
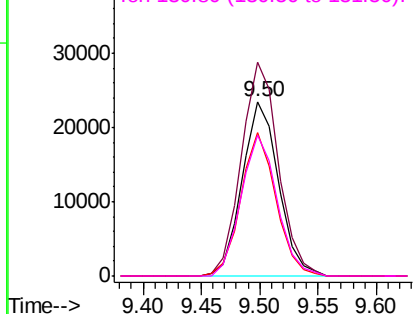


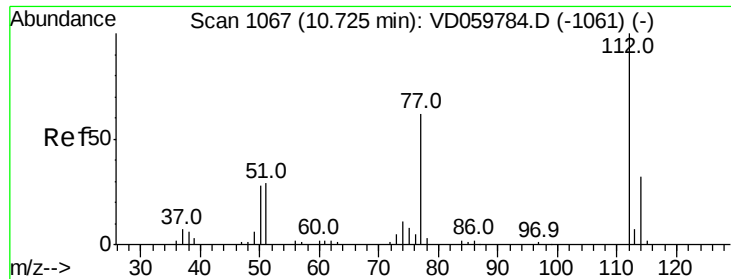
#64
Tetrachloroethene
Concen: 19.594 ug/l
RT: 9.50 min Scan# 943
Delta R.T. -0.02 min
Lab File: VD059799.D
Acq: 15 Aug 2018 16:52

Tgt Ion:164 Resp: 50743
Ion Ratio Lower Upper
164 100
166 122.2 106.8 160.2
129 81.7 67.2 100.8
131 80.5 64.7 97.1



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

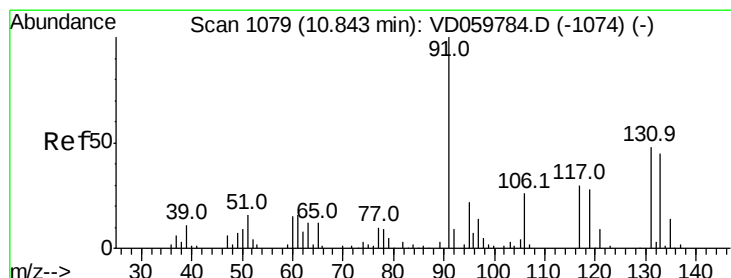
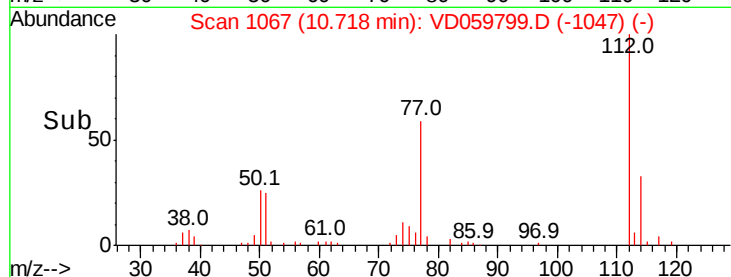
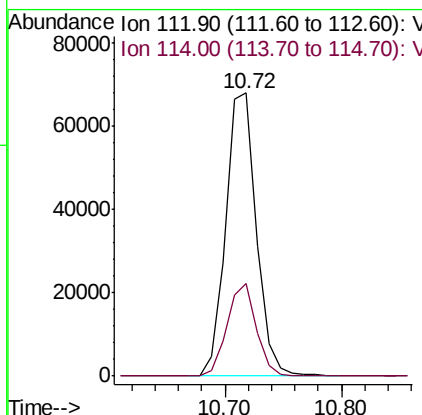
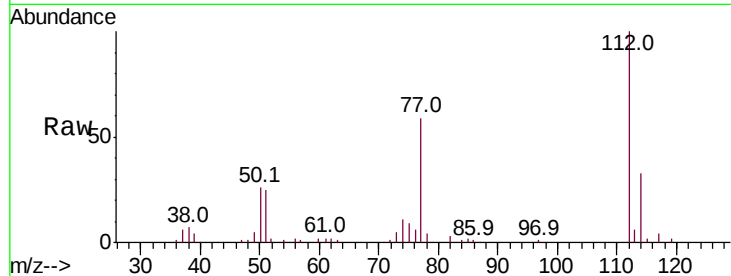




#65
Chlorobenzene
Concen: 20.240 ug/l
RT: 10.72 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VD059799.D
Acq: 15 Aug 2018 16:52

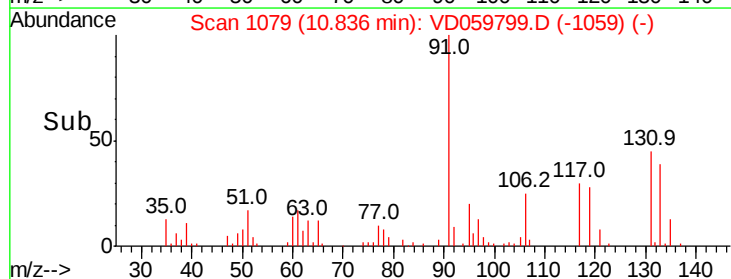
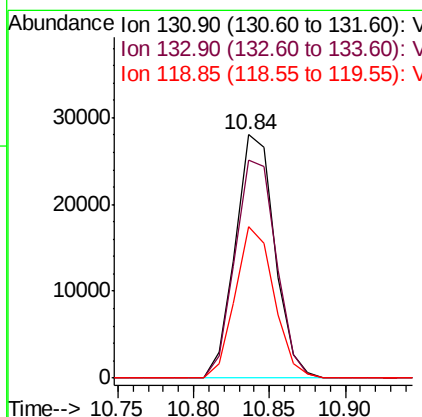
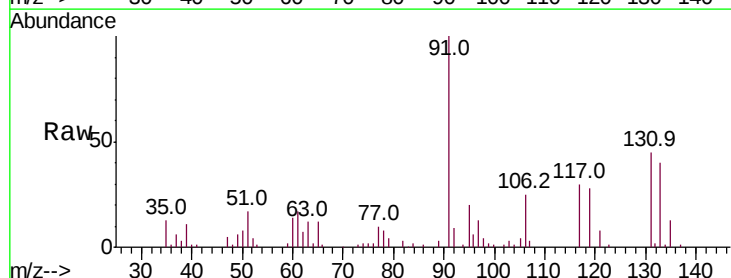
Instrument :
MSVOA_D
ClientSampleId :

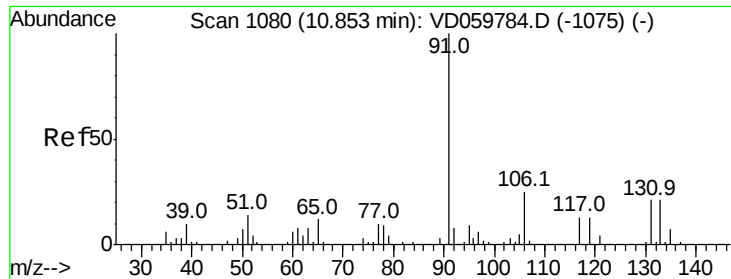
Tot Ion:112 Resp: 123248
Ion Ratio Lower Upper
112 100
114 32.8 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.699 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VD059799.D
Acq: 15 Aug 2018 16:52

Tgt Ion:131 Resp: 50804
Ion Ratio Lower Upper
131 100
133 89.5 47.0 141.0
119 62.1 29.0 87.1

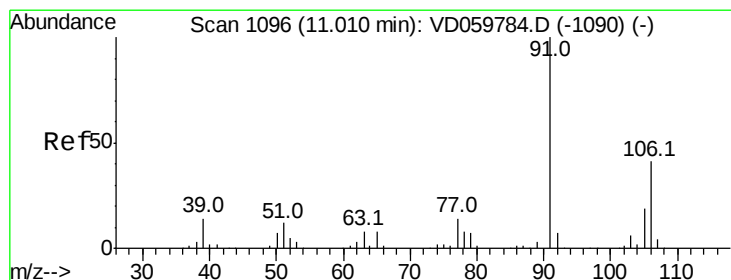
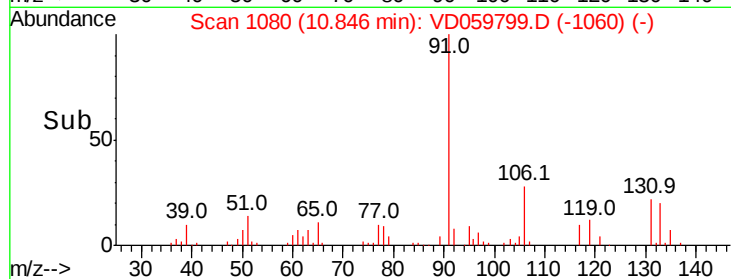
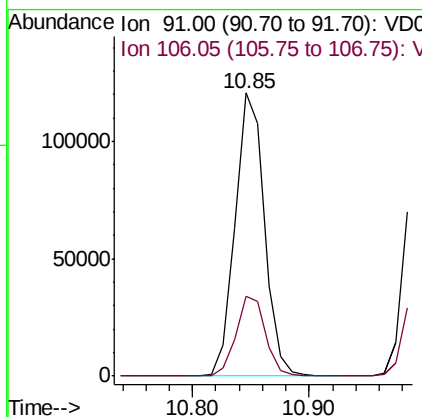
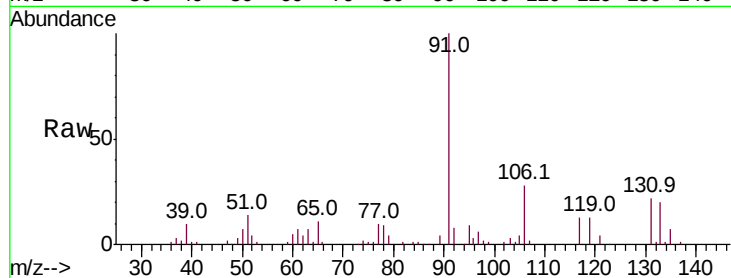




#67
Ethyl Benzene
Concen: 19.966 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. -0.01 min
Lab File: VD059799.D
Acq: 15 Aug 2018 16:52

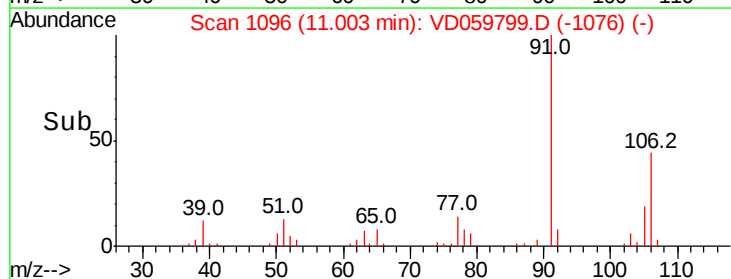
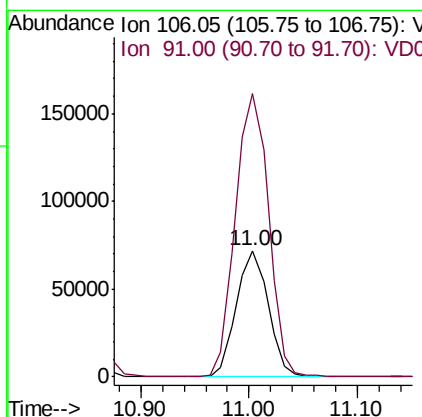
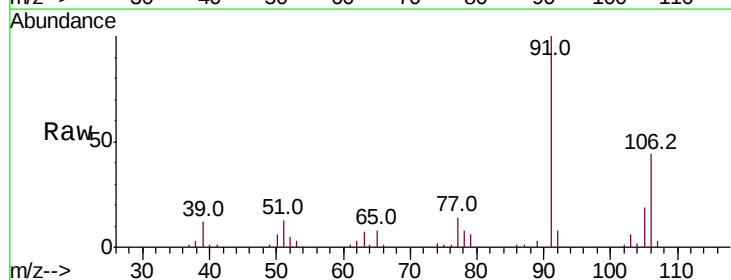
Instrument :
MSVOA_D
ClientSampled :

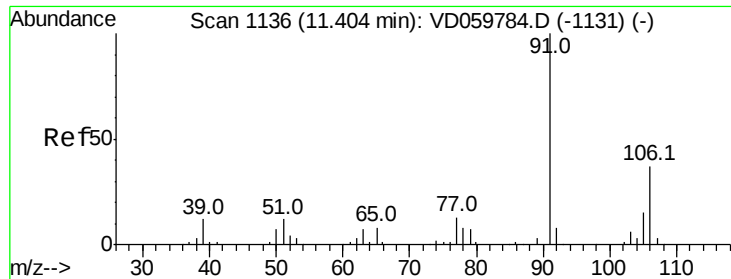
Tot Ion: 91 Resp: 209335
Ion Ratio Lower Upper
91 100
106 28.0 20.1 30.1



#68
m/p-Xylenes
Concen: 41.882 ug/l
RT: 11.00 min Scan# 1096
Delta R.T. -0.01 min
Lab File: VD059799.D
Acq: 15 Aug 2018 16:52

Tgt Ion:106 Resp: 148831
Ion Ratio Lower Upper
106 100
91 224.7 197.4 296.0

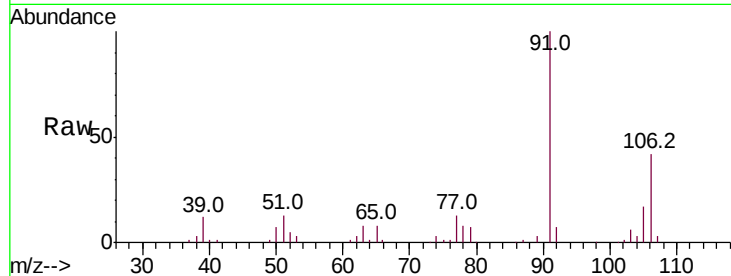




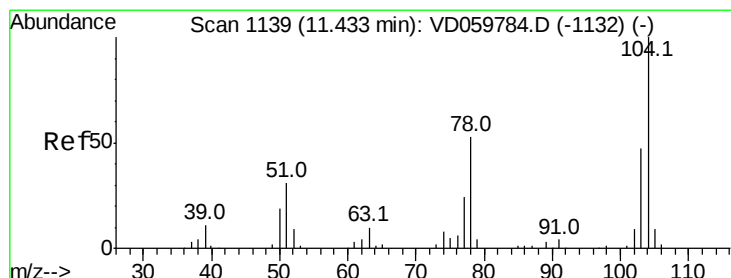
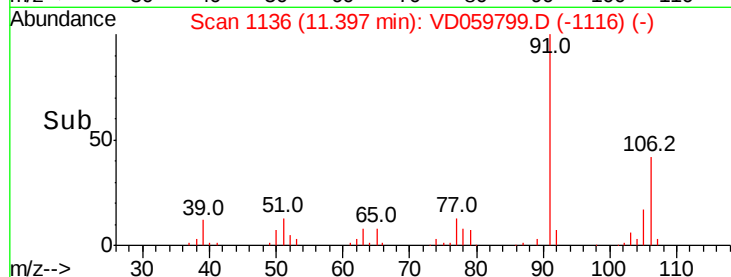
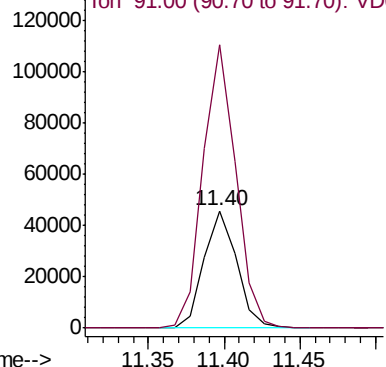
#69
o-Xylene
Concen: 20.219 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. -0.01 min
Lab File: VD059799.D
Acq: 15 Aug 2018 16:52

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 68966
Ion Ratio Lower Upper
106 100
91 240.9 133.7 401.1

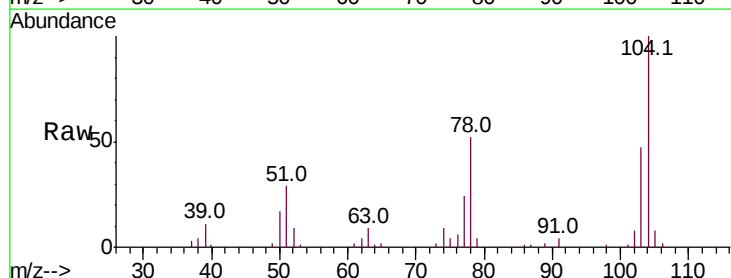


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

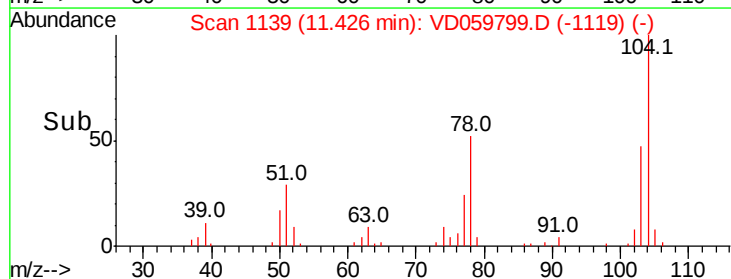
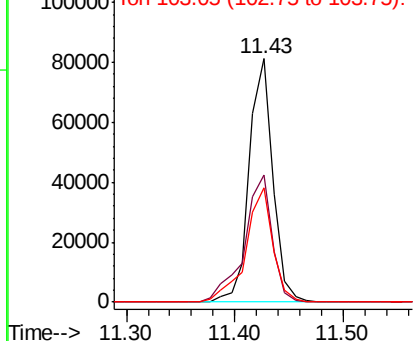


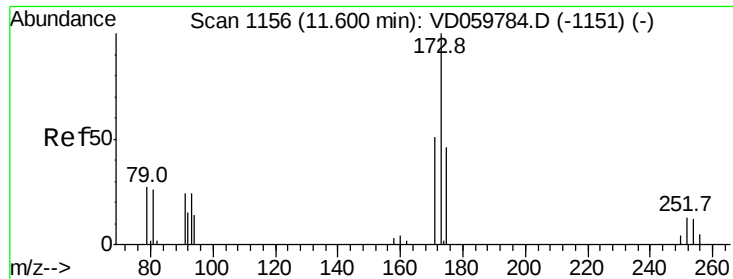
#70
Styrene
Concen: 20.336 ug/l
RT: 11.43 min Scan# 1139
Delta R.T. -0.01 min
Lab File: VD059799.D
Acq: 15 Aug 2018 16:52

Tgt Ion:104 Resp: 123017
Ion Ratio Lower Upper
104 100
78 52.4 42.6 64.0
103 46.8 37.8 56.6



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 21.536 ug/l

RT: 11.59 min Scan# 1156

Delta R.T. -0.01 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

Instrument :

MSVOA_D

ClientSampleId :

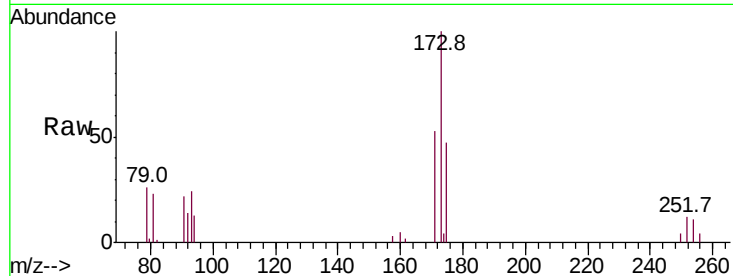
Tot Ion:173 Resp: 38421

Ion Ratio Lower Upper

173 100

175 46.8 23.1 69.2

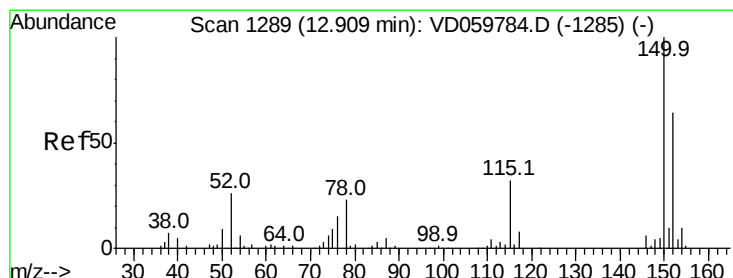
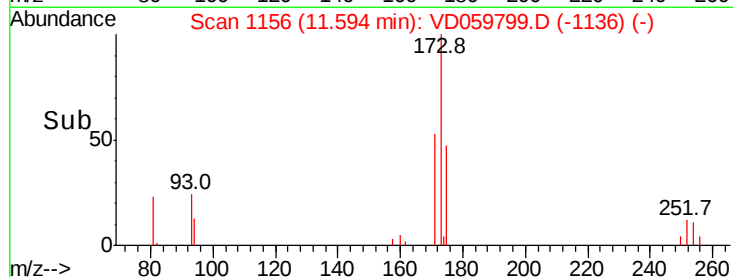
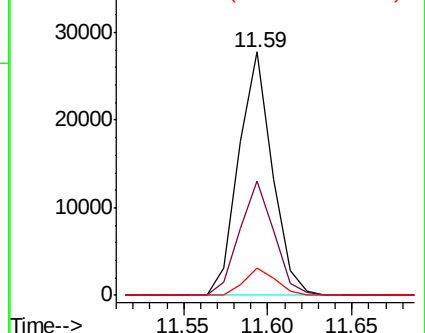
254 11.4 9.7 14.5



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.90 min Scan# 1289

Delta R.T. -0.01 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

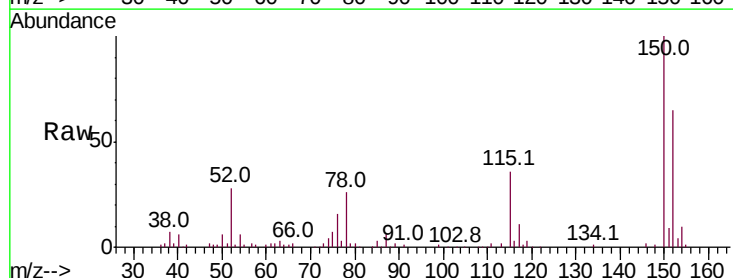
Tgt Ion:152 Resp: 160446

Ion Ratio Lower Upper

152 100

115 56.0 27.2 81.5

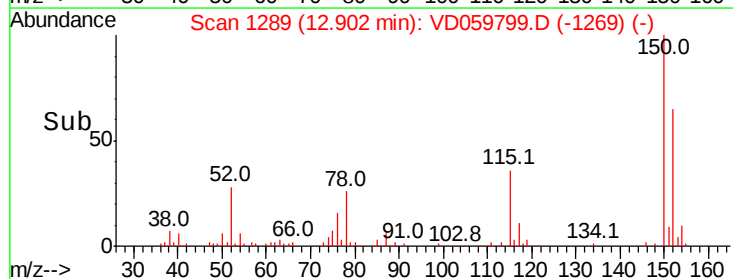
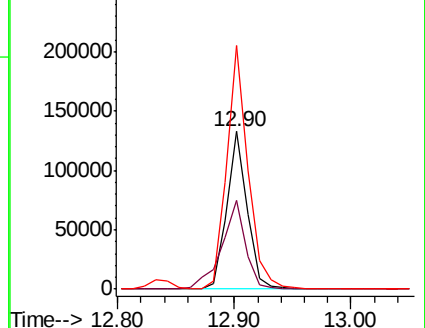
150 154.4 0.0 312.4

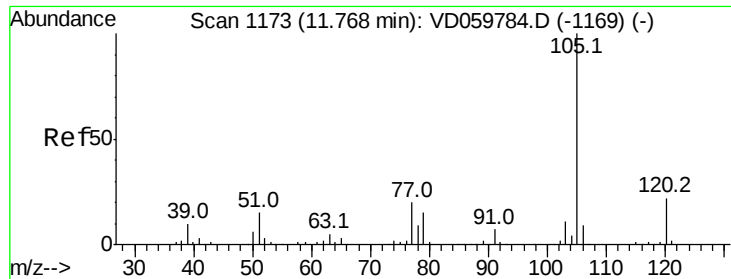


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.348 ug/l

RT: 11.76 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

Instrument :

MSVOA_D

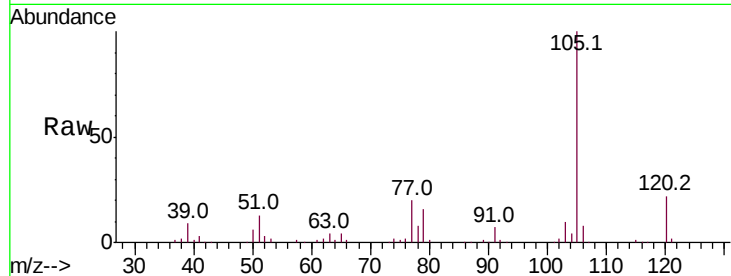
ClientSampled :

Tot Ion:105 Resp: 206720

Ion Ratio Lower Upper

105 100

120 22.2 10.9 32.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.76

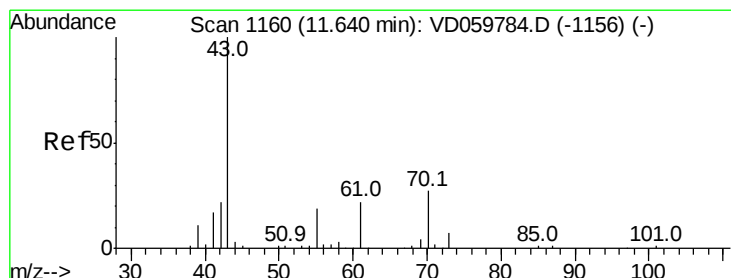
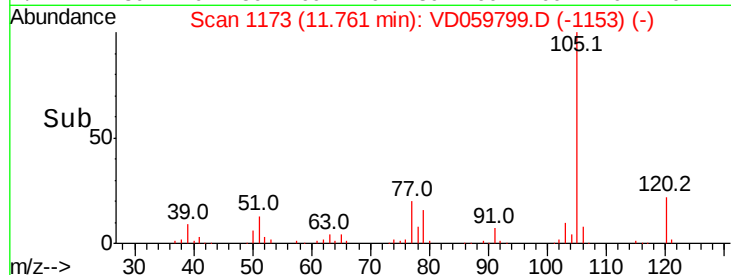
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 23.252 ug/l

RT: 11.64 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

Tgt Ion: 43 Resp: 72428

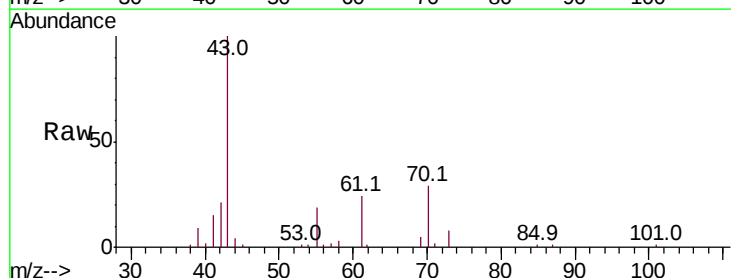
Ion Ratio Lower Upper

43 100

70 28.9 21.8 32.6

55 18.7 15.1 22.7

61 24.1 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

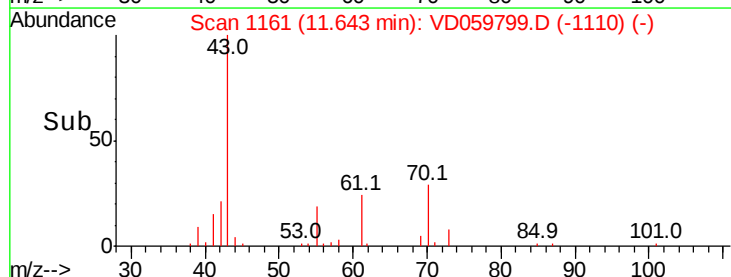
60000

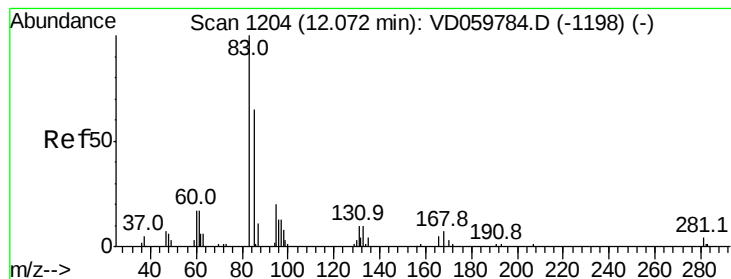
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.759 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

Instrument :

MSVOA_D

ClientSampleId :

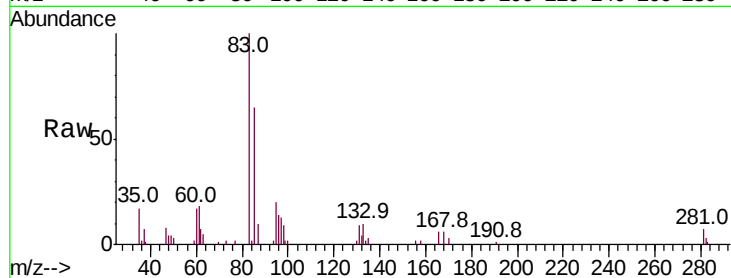
Tot Ion: 83 Resp: 44890

Ion Ratio Lower Upper

83 100

131 8.9 5.0 15.0

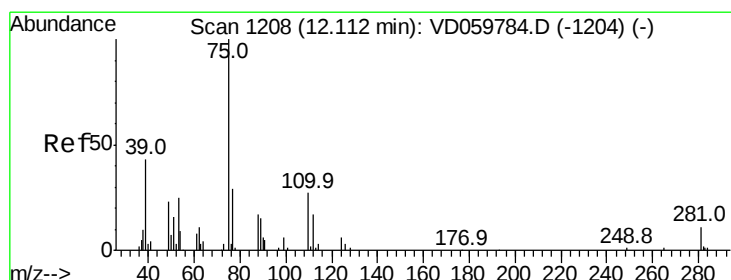
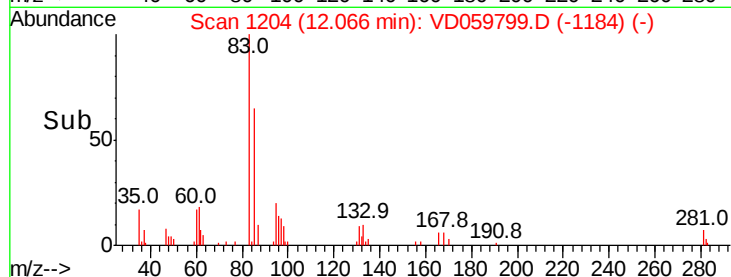
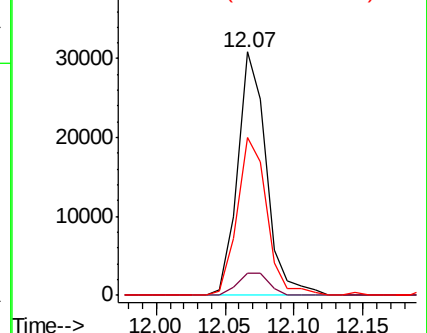
85 64.7 32.8 98.3



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 21.535 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VD059799.D

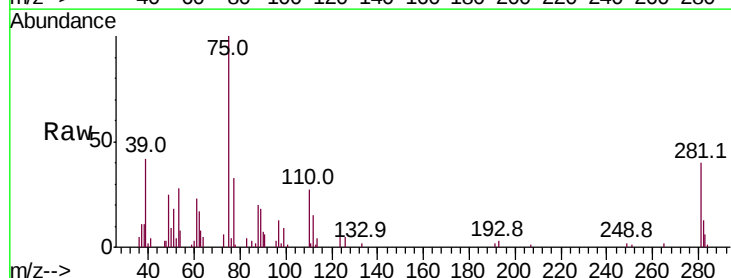
Acq: 15 Aug 2018 16:52

Tgt Ion: 75 Resp: 49023

Ion Ratio Lower Upper

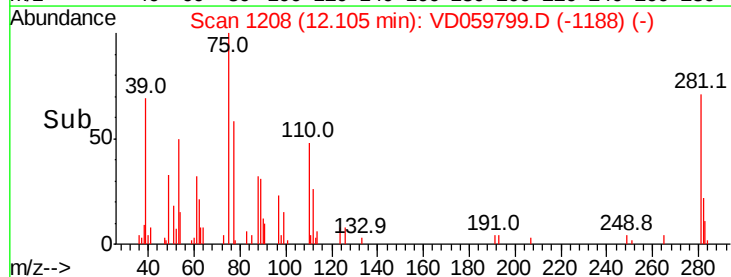
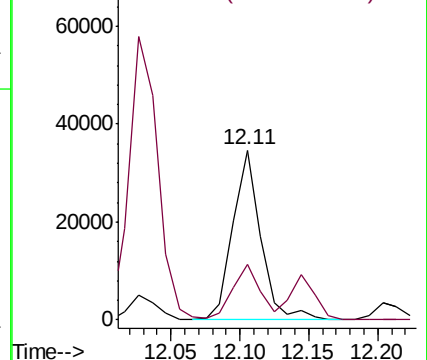
75 100

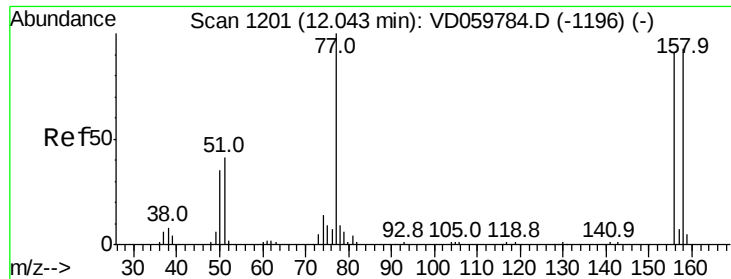
77 33.1 16.2 48.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

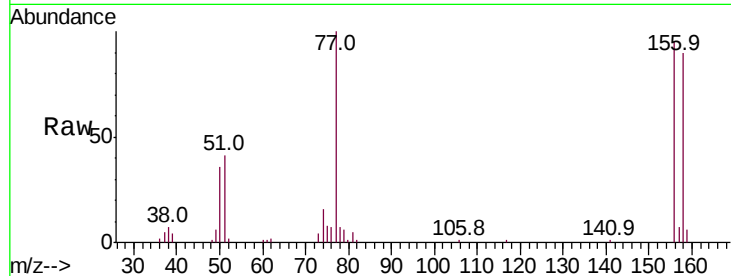




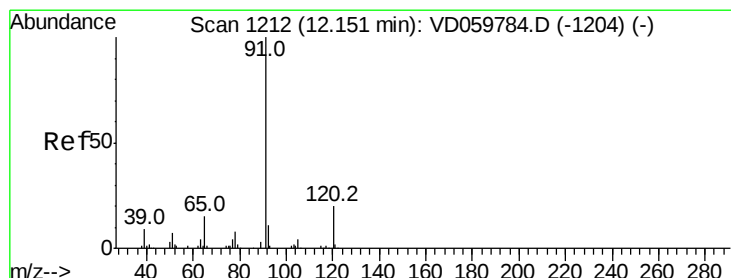
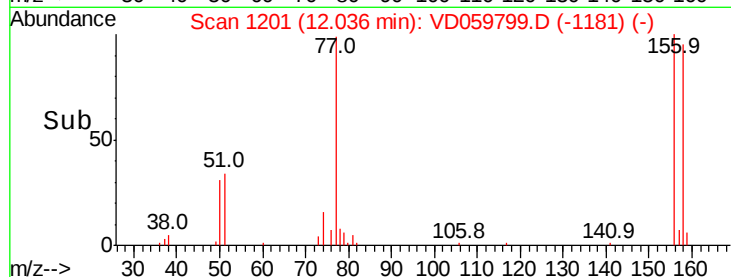
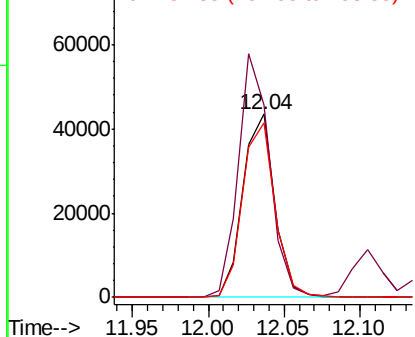
#77
Bromobenzene
Concen: 21.900 ug/l
RT: 12.04 min Scan# 1201
Delta R.T. -0.01 min
Lab File: VD059799.D
Acq: 15 Aug 2018 16:52

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:156 Resp: 63577
Ion Ratio Lower Upper
156 100
77 105.3 54.9 164.8
158 95.1 51.2 153.6

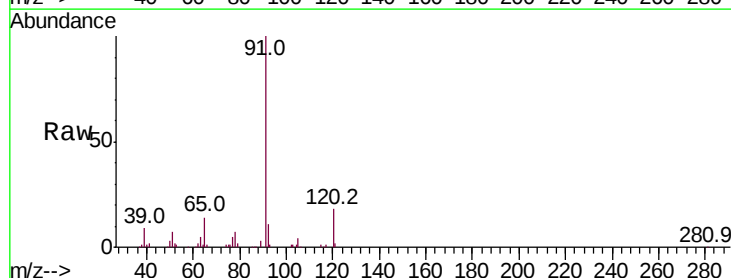


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

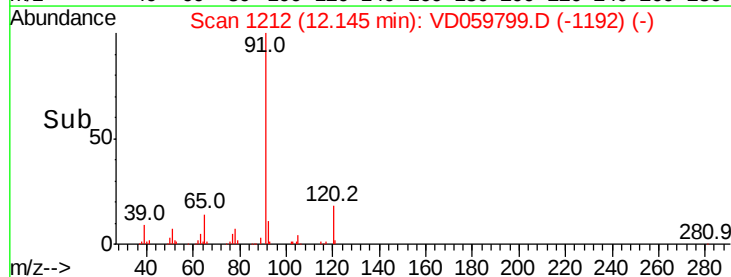
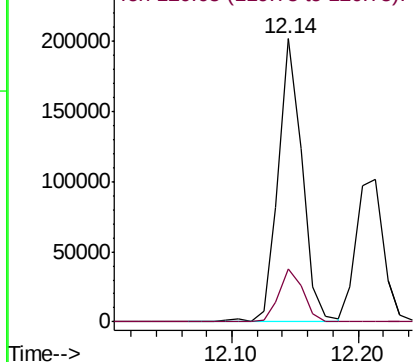


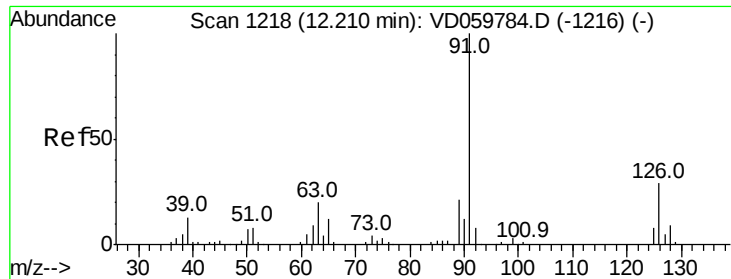
#78
n-propylbenzene
Concen: 20.973 ug/l
RT: 12.14 min Scan# 1212
Delta R.T. -0.01 min
Lab File: VD059799.D
Acq: 15 Aug 2018 16:52

Tgt Ion: 91 Resp: 265780
Ion Ratio Lower Upper
91 100
120 18.5 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.05 (119.75 to 120.75): V

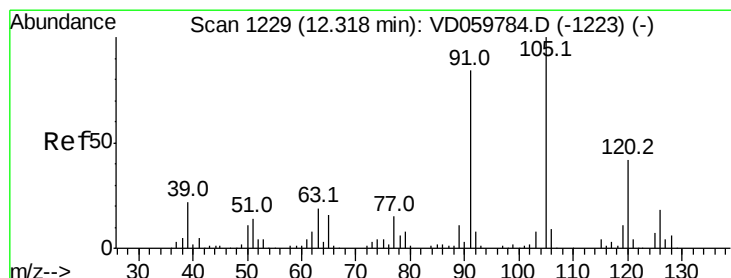
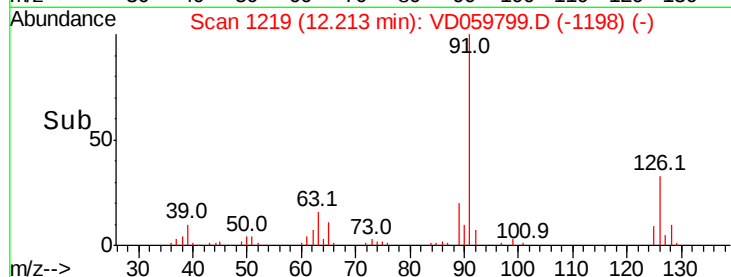
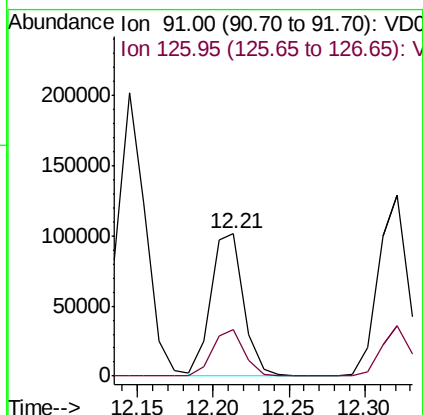
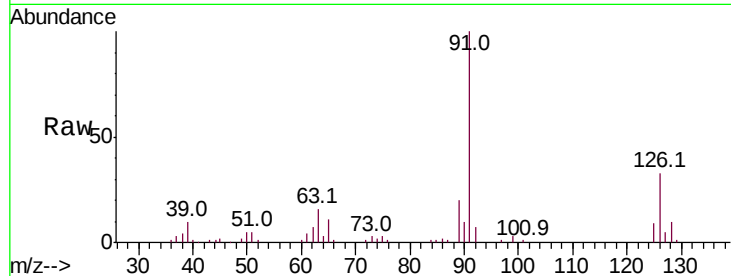




#79
 2-Chlorotoluene
 Concen: 20.161 ug/l
 RT: 12.21 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VD059799.D
 Acq: 15 Aug 2018 16:52

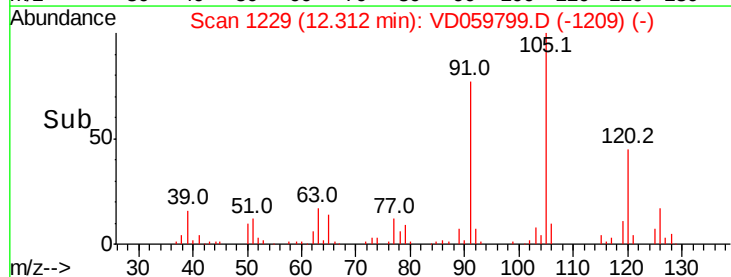
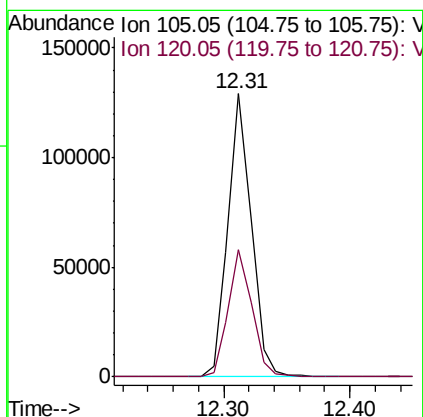
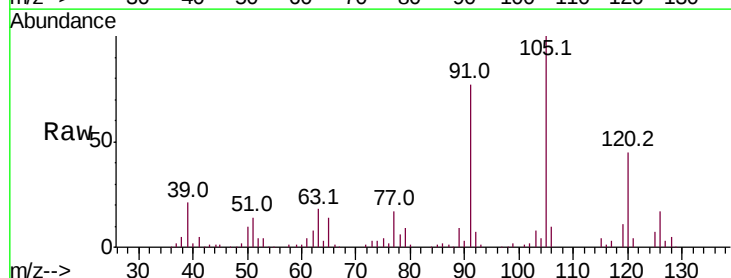
Instrument :
 MSVOA_D
 ClientSampled :

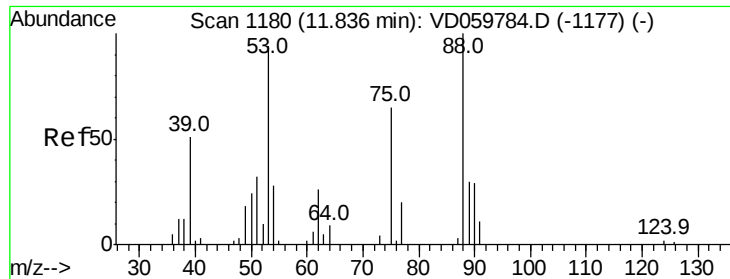
Tot Ion: 91 Resp: 154069
 Ion Ratio Lower Upper
 91 100
 126 32.7 14.0 41.9



#80
 1,3,5-Trimethylbenzene
 Concen: 20.316 ug/l
 RT: 12.31 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VD059799.D
 Acq: 15 Aug 2018 16:52

Tgt Ion:105 Resp: 165266
 Ion Ratio Lower Upper
 105 100
 120 44.7 20.8 62.5





#81

trans-1,4-Dichloro-2-butene

Concen: 22.785 ug/l

RT: 11.84 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

Instrument :

MSVOA_D

ClientSampled :

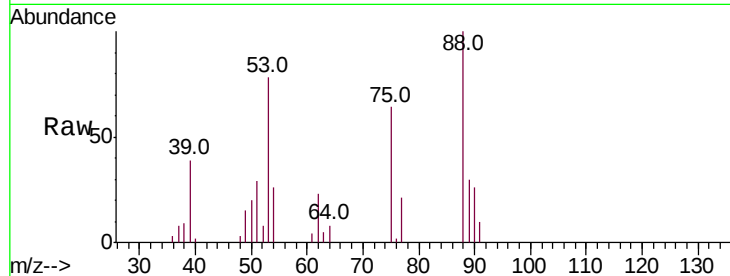
Tot Ion: 75 Resp: 12135

Ion Ratio Lower Upper

75 100

53 123.0 116.2 174.2

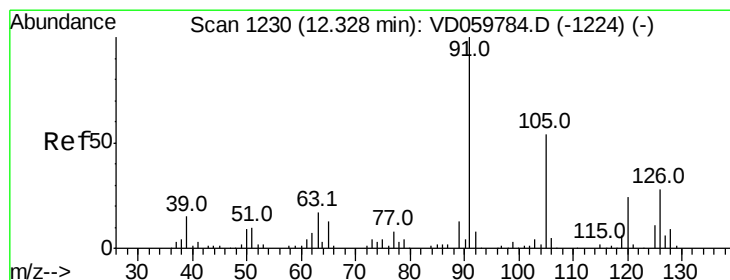
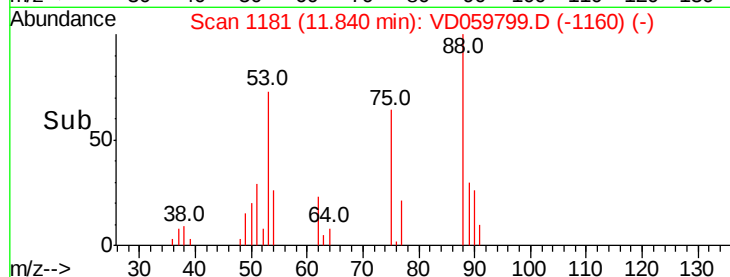
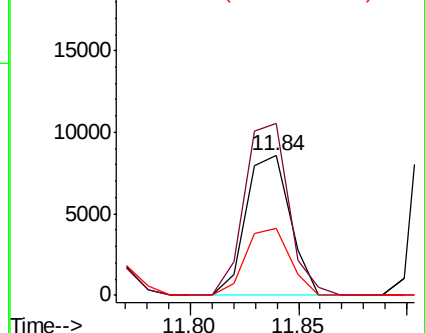
89 47.8 37.0 55.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 20.712 ug/l

RT: 12.32 min Scan# 1230

Delta R.T. -0.01 min

Lab File: VD059799.D

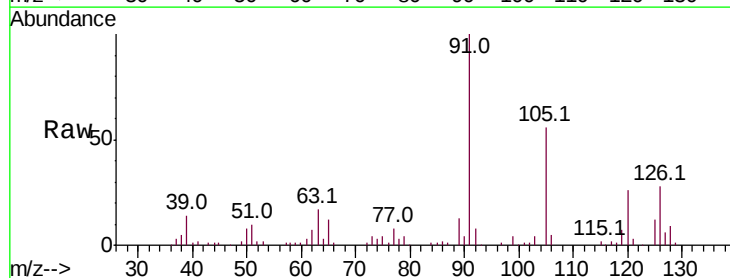
Acq: 15 Aug 2018 16:52

Tgt Ion: 91 Resp: 179658

Ion Ratio Lower Upper

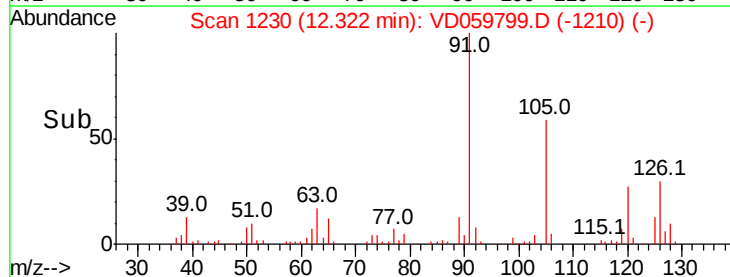
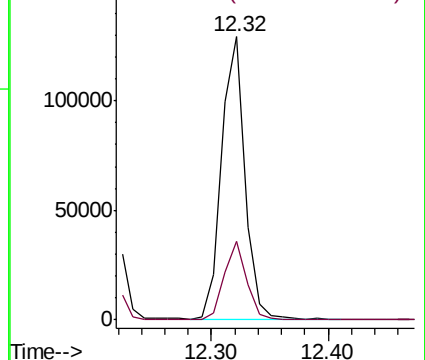
91 100

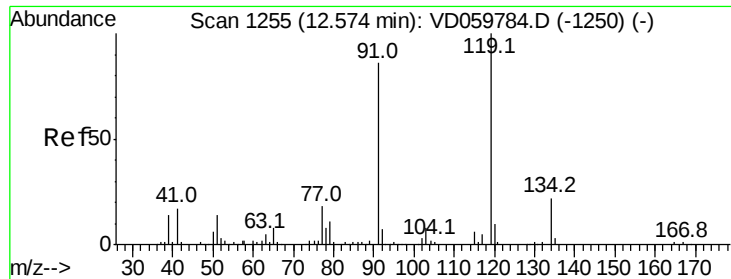
126 28.0 13.9 41.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

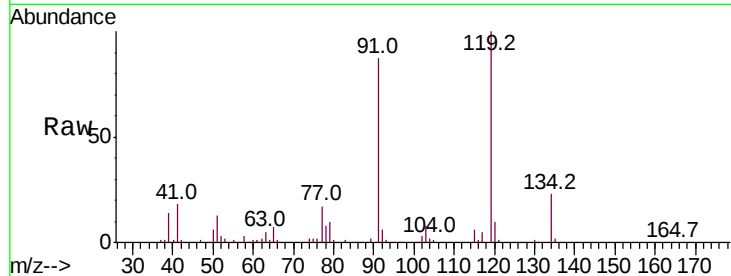




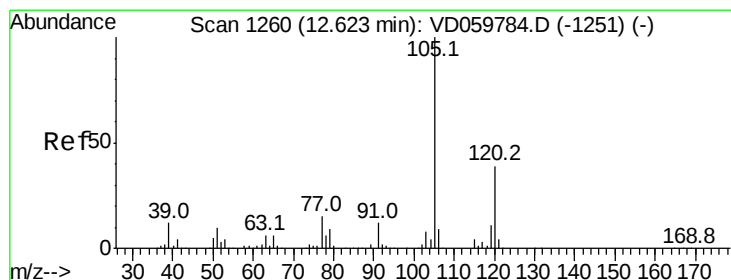
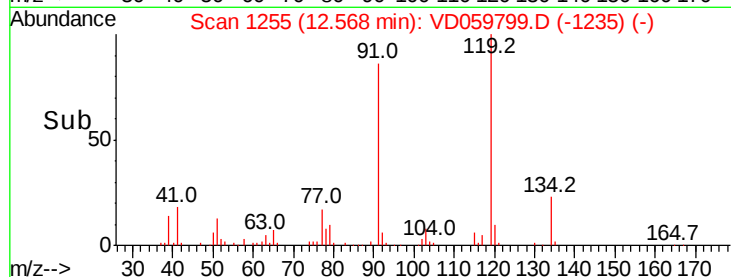
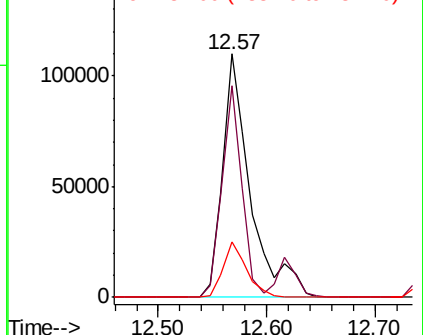
#83
tert-Butylbenzene
Concen: 21.716 ug/l
RT: 12.57 min Scan# 1255
Delta R.T. -0.01 min
Lab File: VD059799.D
Acq: 15 Aug 2018 16:52

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 195192
Ion Ratio Lower Upper
119 100
91 86.7 43.1 129.3
134 22.8 11.2 33.5

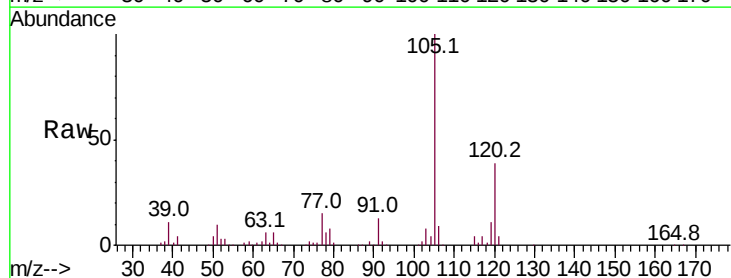


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

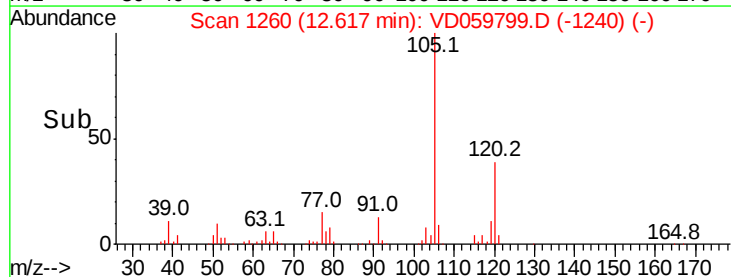
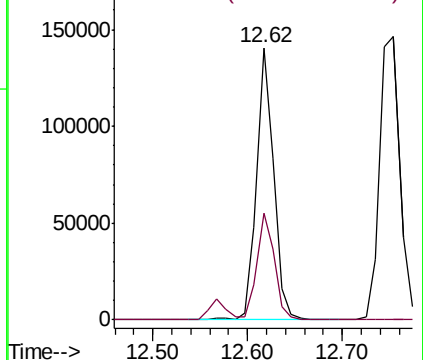


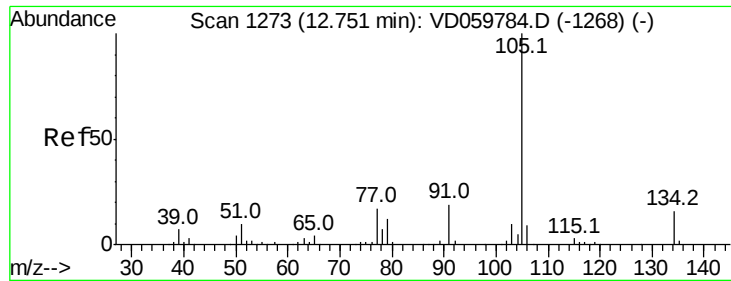
#84
1,2,4-Trimethylbenzene
Concen: 20.051 ug/l
RT: 12.62 min Scan# 1260
Delta R.T. -0.01 min
Lab File: VD059799.D
Acq: 15 Aug 2018 16:52

Tgt Ion:105 Resp: 175771
Ion Ratio Lower Upper
105 100
120 39.5 19.6 58.8



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 21.124 ug/l

RT: 12.75 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

Instrument :

MSVOA_D

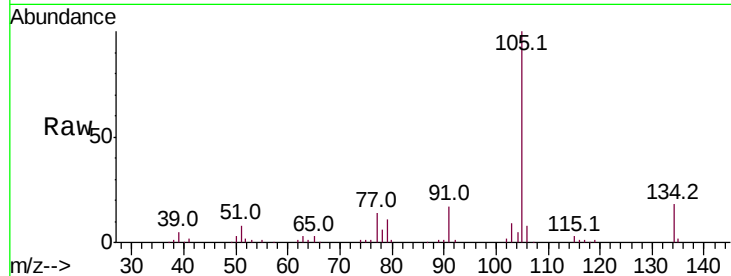
ClientSampleId :

Tot Ion:105 Resp: 220068

Ion Ratio Lower Upper

105 100

134 18.4 8.2 24.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

12.75

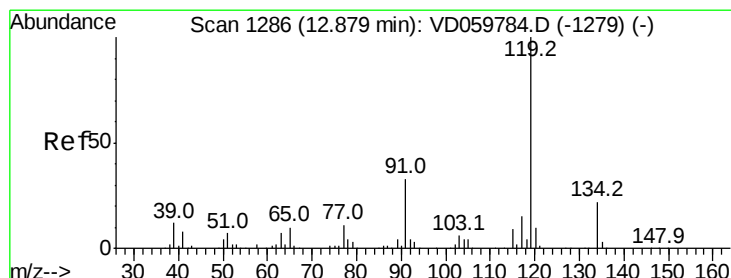
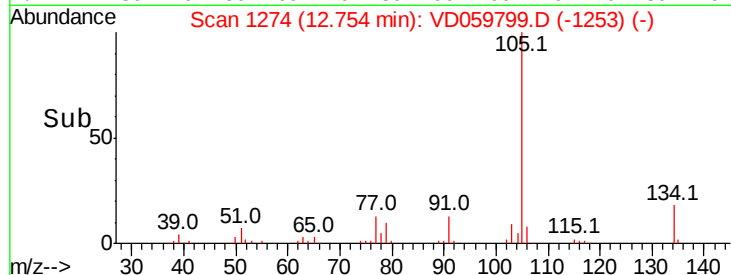
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.957 ug/l

RT: 12.88 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

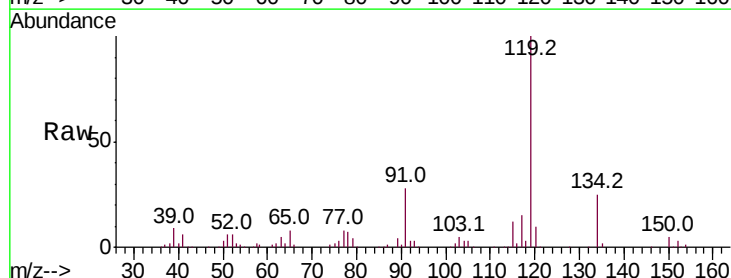
Tgt Ion:119 Resp: 182686

Ion Ratio Lower Upper

119 100

134 24.6 10.9 32.6

91 27.6 16.4 49.4



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

12.88

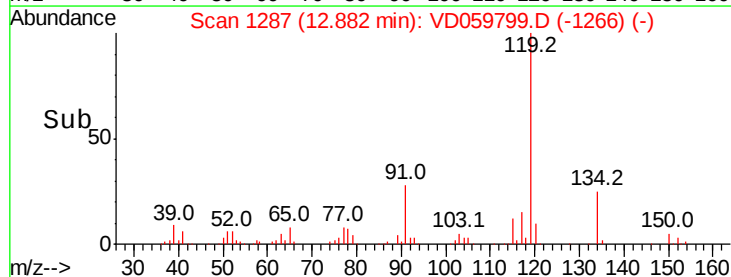
150000

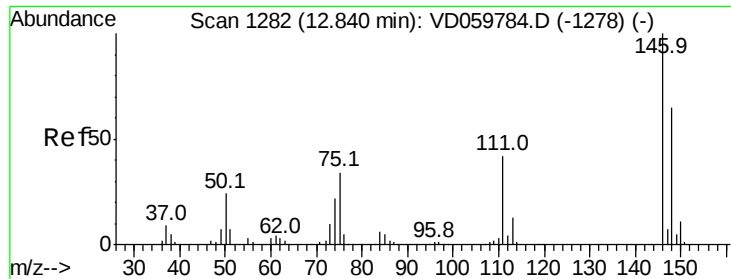
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.585 ug/l

RT: 12.83 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

Instrument :

MSVOA_D

ClientSampleId :

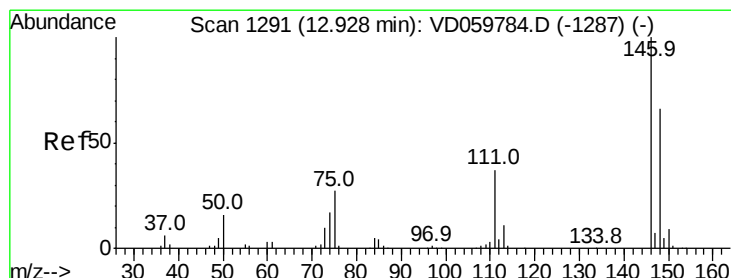
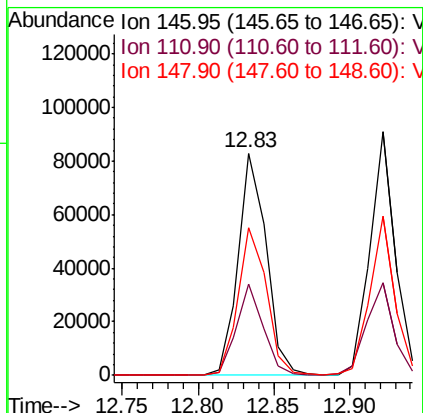
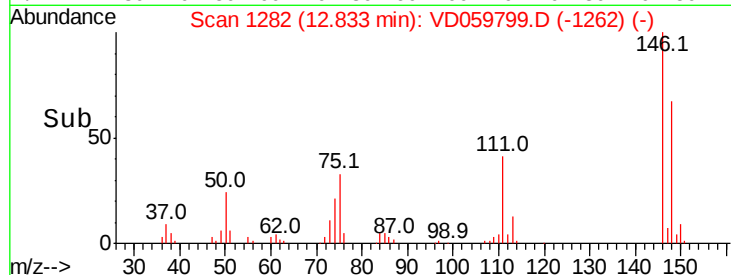
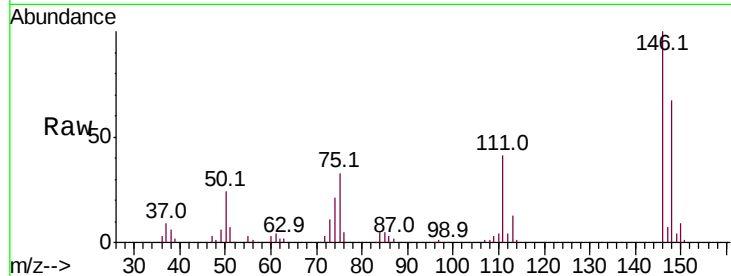
Tot Ion:146 Resp: 107159

Ion Ratio Lower Upper

146 100

111 41.2 20.9 62.8

148 66.7 32.6 97.8



#88

1,4-Dichlorobenzene

Concen: 20.570 ug/l

RT: 12.92 min Scan# 1291

Delta R.T. -0.01 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

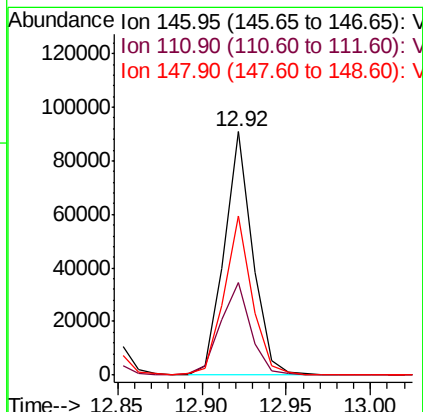
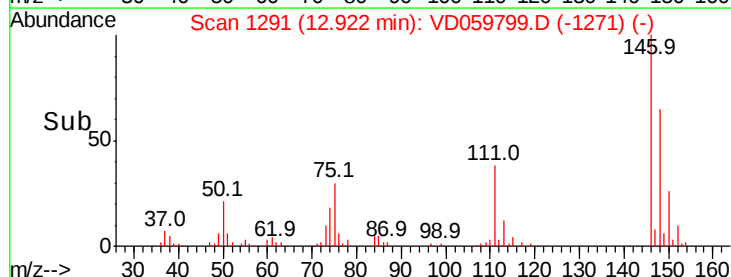
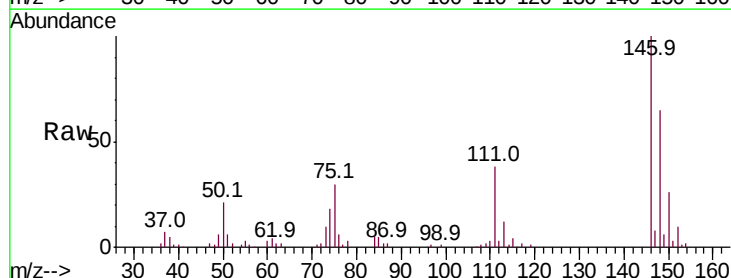
Tgt Ion:146 Resp: 106160

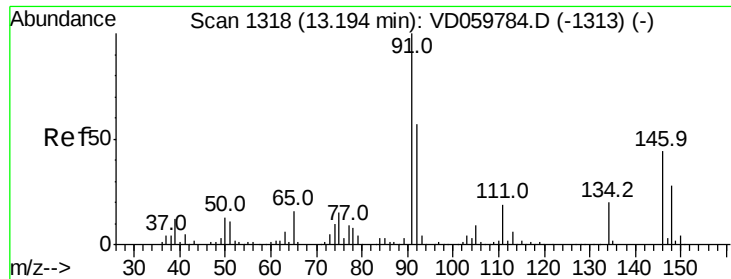
Ion Ratio Lower Upper

146 100

111 38.3 18.6 55.6

148 65.1 33.0 99.0

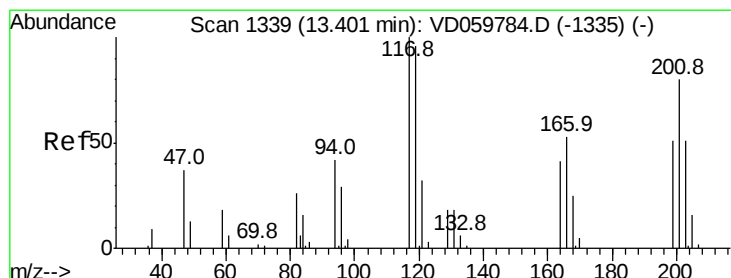
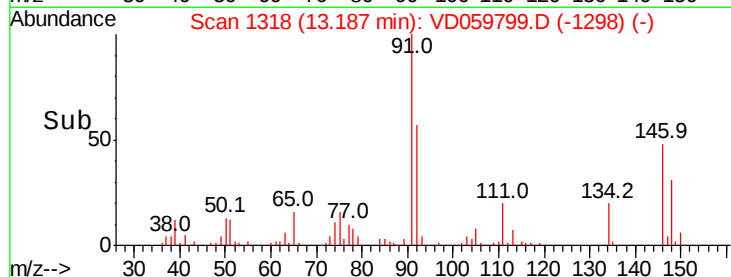
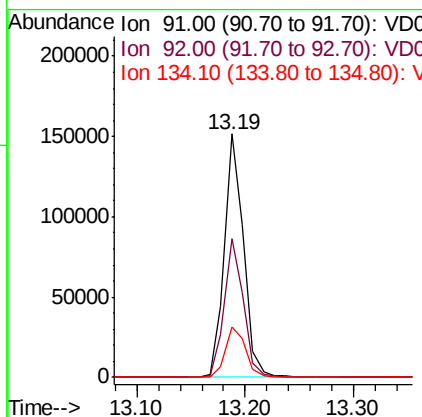
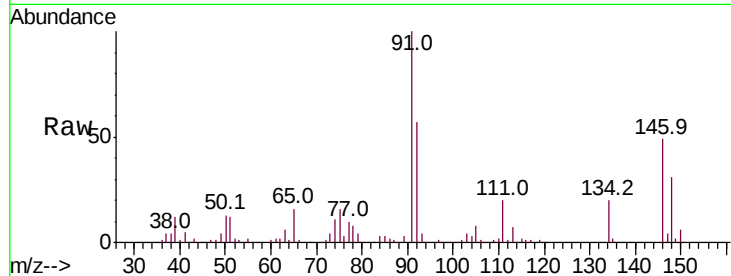




#89
n-Butylbenzene
Concen: 21.146 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. -0.01 min
Lab File: VD059799.D
Acq: 15 Aug 2018 16:52

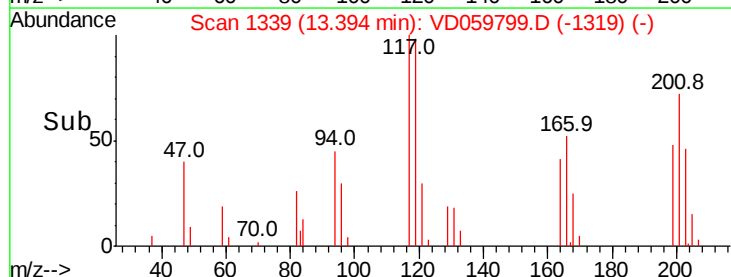
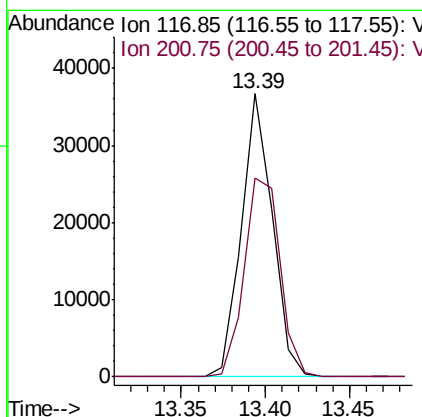
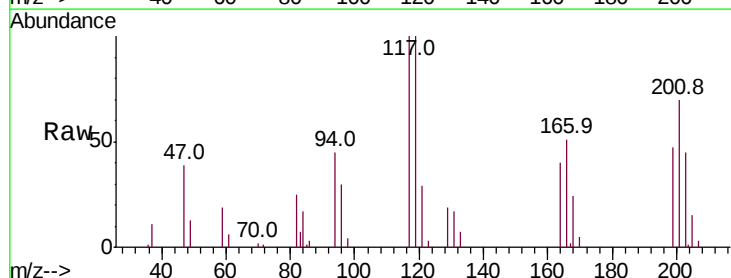
Instrument :
MSVOA_D
ClientSampled :

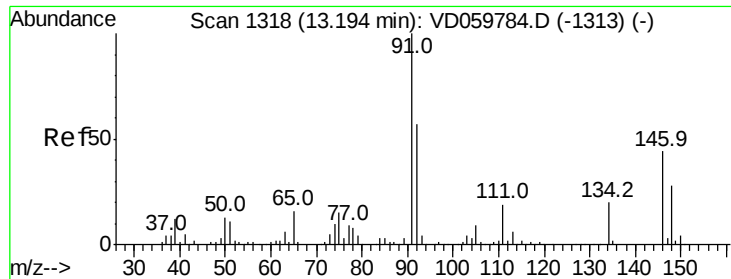
Tot Ion: 91 Resp: 186373
Ion Ratio Lower Upper
91 100
92 57.1 28.4 85.3
134 20.5 10.2 30.4



#90
Hexachloroethane
Concen: 21.364 ug/l
RT: 13.39 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VD059799.D
Acq: 15 Aug 2018 16:52

Tgt Ion: 117 Resp: 46733
Ion Ratio Lower Upper
117 100
201 70.2 39.9 119.7

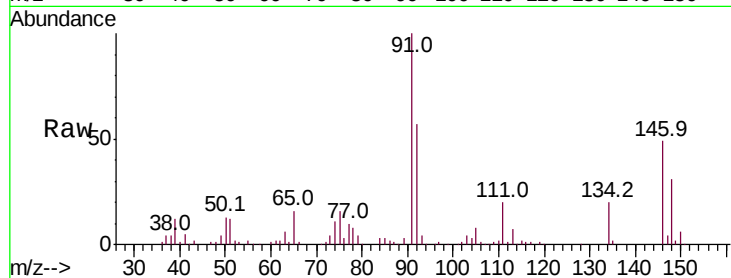




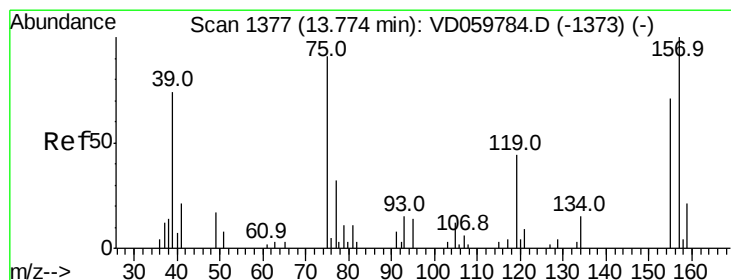
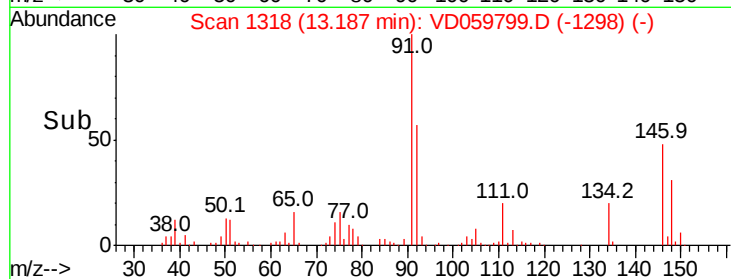
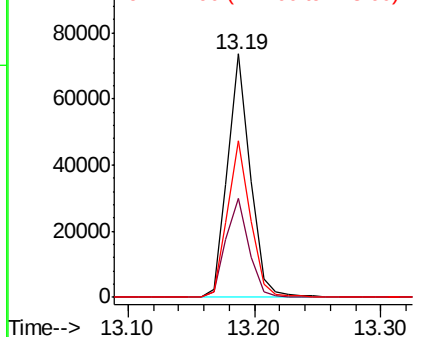
#91
 1,2-Dichlorobenzene
 Concen: 21.191 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: VD059799.D
 Acq: 15 Aug 2018 16:52

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	21.1	63.1
148	64.3	32.0	96.2

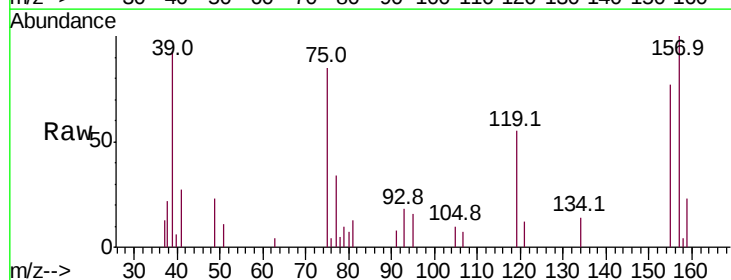


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

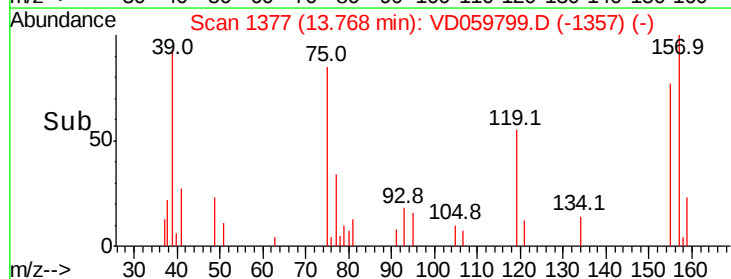
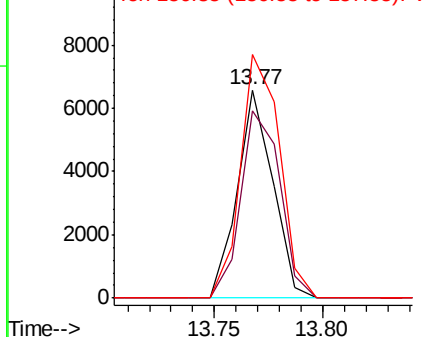


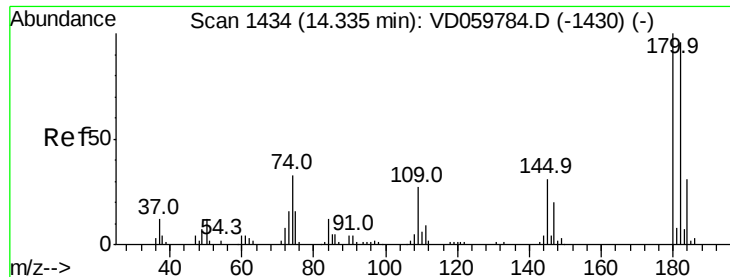
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.434 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. -0.01 min
 Lab File: VD059799.D
 Acq: 15 Aug 2018 16:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.8	39.0	117.0
157	117.0	54.8	164.3



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

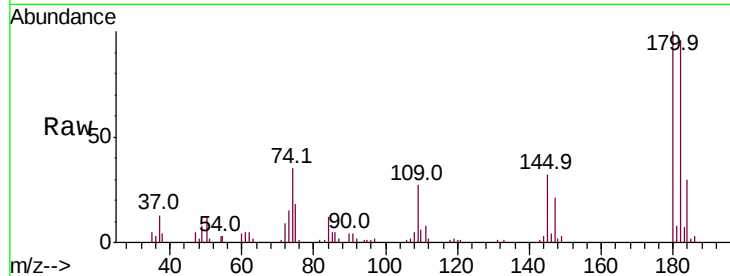




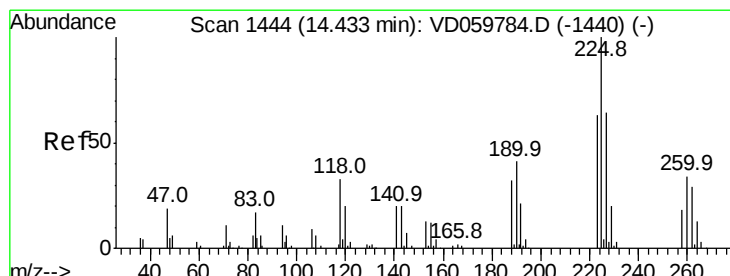
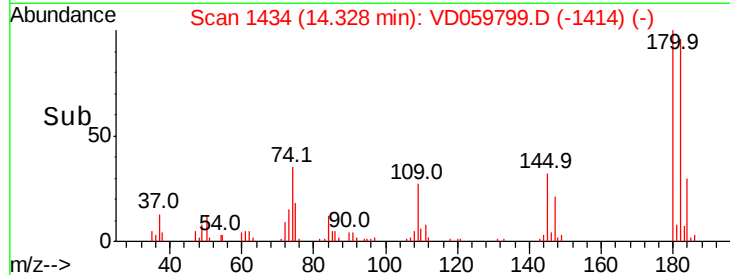
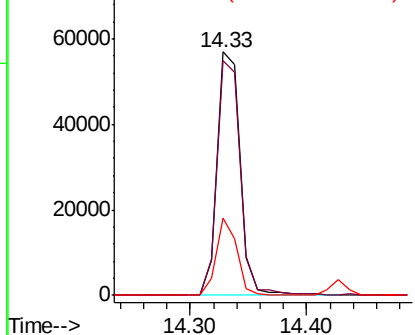
#93
 1,2,4-Trichlorobenzene
 Concen: 21.807 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: VD059799.D
 Acq: 15 Aug 2018 16:52

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 78071
 Ion Ratio Lower Upper
 180 100
 182 96.3 48.0 144.0
 145 31.8 15.5 46.5

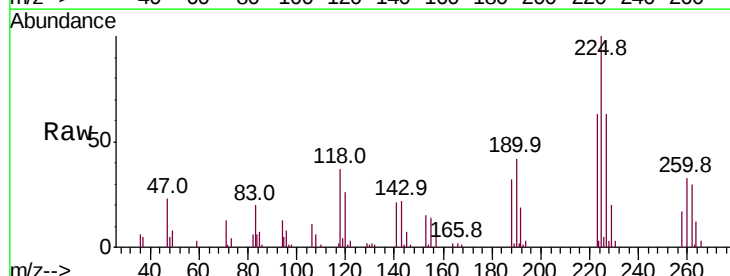


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

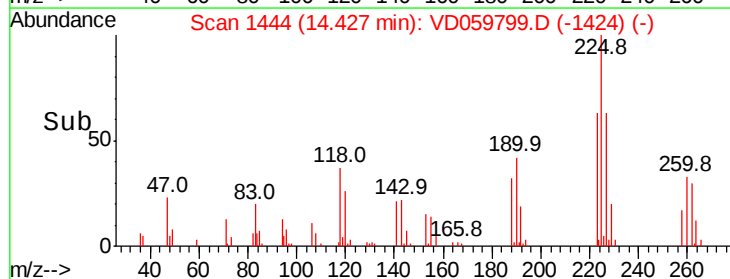
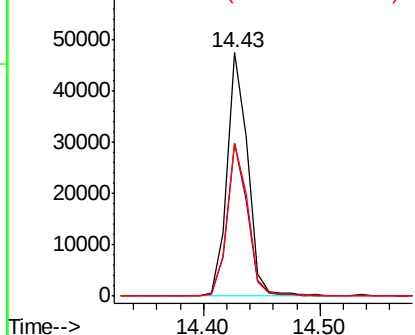


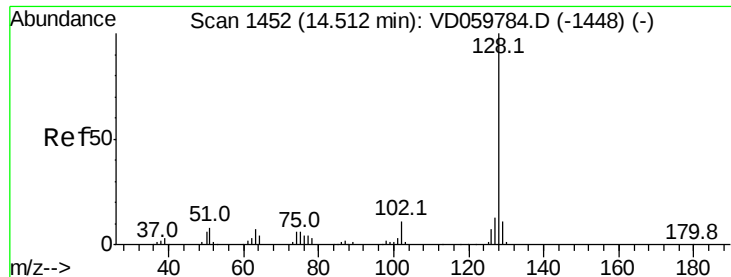
#94
 Hexachlorobutadiene
 Concen: 21.940 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. -0.01 min
 Lab File: VD059799.D
 Acq: 15 Aug 2018 16:52

Tgt Ion:225 Resp: 57979
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.4 94.2
 227 62.9 32.1 96.5



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 21.823 ug/l

RT: 14.51 min Scan# 1452

Delta R.T. -0.01 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

Instrument :

MSVOA_D

ClientSampleId :

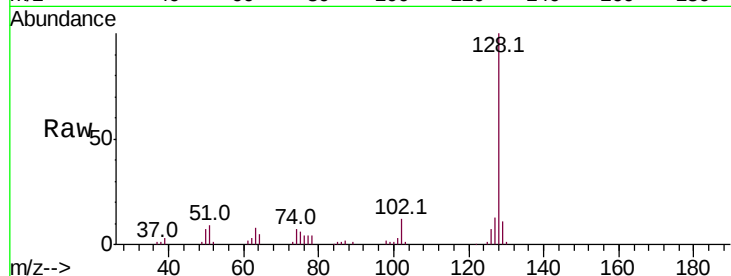
Tot Ion:128 Resp: 119616

Ion Ratio Lower Upper

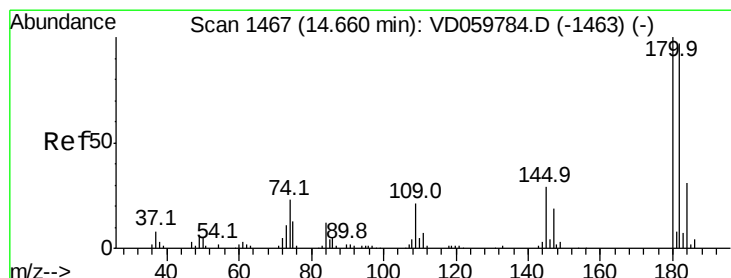
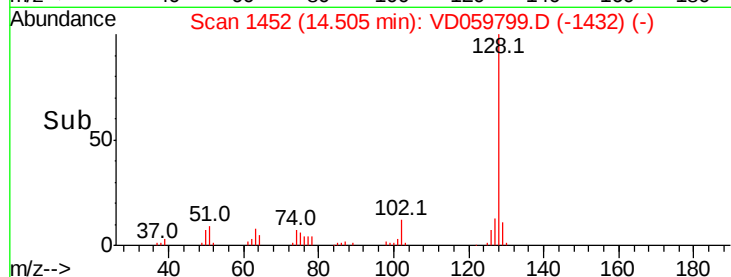
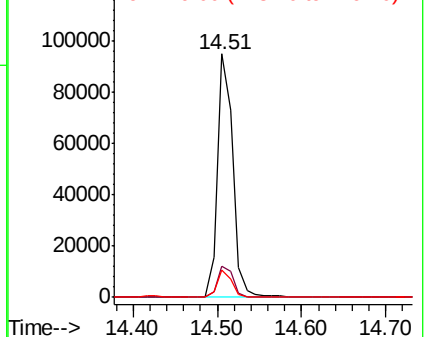
128 100

127 12.7 10.3 15.5

129 11.2 9.1 13.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.522 ug/l

RT: 14.65 min Scan# 1467

Delta R.T. -0.01 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

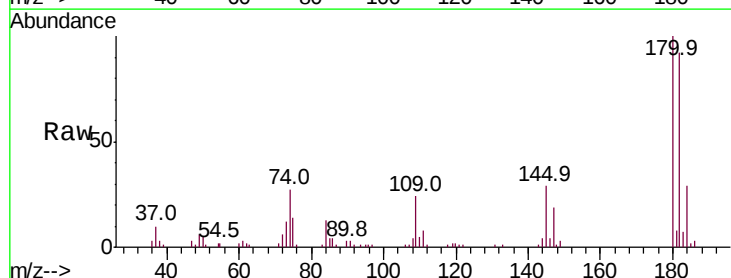
Tgt Ion:180 Resp: 71149

Ion Ratio Lower Upper

180 100

182 92.2 48.5 145.5

145 29.5 14.3 42.9



Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

