

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081518\
 Data File : VD059799.D
 Acq On : 15 Aug 2018 16:52
 Operator : VA/AP
 Sample : VD0815SBSD02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815SBSD02

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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.32	85	60419	17.92	ug/l	97
3) Chloromethane	1.46	50	35022	18.92	ug/l	94
4) Vinyl Chloride	1.54	62	37202	18.97	ug/l	97
5) Bromomethane	1.77	94	7082	11.34	ug/l	86
6) Chloroethane	1.85	64	10580	12.94	ug/l	91
7) Trichlorofluoromethane	2.06	101	53021	17.22	ug/l	92
8) Diethyl Ether	2.33	74	11253	18.99	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	2.53	101	31513	18.25	ug/l	95
10) Methyl Iodide	2.67	142	29930	16.47	ug/l	96
11) Tert butyl alcohol	3.26	59	11268	89.58	ug/l #	74
12) 1,1-Dichloroethene	2.52	96	22991	18.41	ug/l	94
13) Acrolein	2.45	56	7855	81.89	ug/l	87
14) Allyl chloride	2.90	41	57064	18.19	ug/l	96
15) Acrylonitrile	3.34	53	37646	85.42	ug/l	94
16) Acetone	2.59	43	55809	99.47	ug/l	93
17) Carbon Disulfide	2.73	76	75560	18.06	ug/l	96
18) Methyl Acetate	2.92	43	21974	18.32	ug/l	100
19) Methyl tert-butyl Ether	3.38	73	116394	19.10	ug/l	100
20) Methylene Chloride	3.04	84	31996	19.13	ug/l	96
21) trans-1,2-Dichloroethene	3.38	96	35164	14.29	ug/l	86
22) Diisopropyl ether	4.05	45	158930	18.78	ug/l	99
23) Vinyl Acetate	4.00	43	510400	106.48	ug/l	99
24) 1,1-Dichloroethane	3.95	63	97085	19.34	ug/l	99
25) 2-Butanone	4.82	43	79181	92.20	ug/l	97
26) 2,2-Dichloropropane	4.78	77	92696	20.19	ug/l	98
27) cis-1,2-Dichloroethene	4.79	96	51116	18.96	ug/l	97
28) Bromochloromethane	5.12	49	39395	20.00	ug/l	95
29) Tetrahydrofuran	5.16	42	38142	104.10	ug/l	97
30) Chloroform	5.30	83	110798	18.38	ug/l	98
31) Cyclohexane	5.57	56	65267	18.07	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	101643	19.17	ug/l	98
36) 1,1-Dichloropropene	5.73	75	74272	20.04	ug/l	97
37) Ethyl Acetate	4.90	43	44162	23.82	ug/l #	95
38) Carbon Tetrachloride	5.70	117	87956	19.67	ug/l	97

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 Data File : VD059799.D
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 Sample : VD0815SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0815SBS02

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	19.70	ug/l	92
40) Benzene	6.00	78	150651	19.16	ug/l	99
41) Methacrylonitrile	5.11	41	22163	24.99	ug/l	93
42) 1,2-Dichloroethane	6.10	62	87355	20.53	ug/l	97
43) Isopropyl Acetate	7.60	43	49227	21.03	ug/l	98
44) Trichloroethene	6.96	130	51929	19.29	ug/l	87
45) 1,2-Dichloropropane	7.33	63	41208	20.17	ug/l	98
46) Dibromomethane	7.44	93	35073	20.99	ug/l	97
47) Bromodichloromethane	7.73	83	80118	19.57	ug/l	94
48) Methyl methacrylate	7.49	41	32729	21.43	ug/l	92
49) 1,4-Dioxane	7.47	88	6610	491.38	ug/l	87
51) 4-Methyl-2-Pentanone	8.58	43	165840	93.72	ug/l	97
52) Toluene	8.79	92	100235	19.90	ug/l	95
53) t-1,3-Dichloropropene	9.17	75	70403	20.74	ug/l	94
54) cis-1,3-Dichloropropene	8.35	75	74355	20.27	ug/l	98
55) 1,1,2-Trichloroethane	9.44	97	37818	20.34	ug/l	91
56) Ethyl methacrylate	9.30	69	43644	21.68	ug/l	99
57) 1,3-Dichloropropane	9.66	76	59408	20.40	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.17	63	113382	113.93	ug/l	99
59) 2-Hexanone	9.77	43	129340	101.94	ug/l	96
60) Dibromochloromethane	9.94	129	53739	19.91	ug/l	88
61) 1,2-Dibromoethane	10.08	107	43585	21.16	ug/l	94
64) Tetrachloroethene	9.50	164	50743	19.59	ug/l	95
65) Chlorobenzene	10.72	112	123248	20.24	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.84	131	50804	20.70	ug/l	95
67) Ethyl Benzene	10.85	91	209335	19.97	ug/l	94
68) m/p-Xylenes	11.00	106	148831	41.88	ug/l	87
69) o-Xylene	11.40	106	68966	20.22	ug/l	85
70) Styrene	11.43	104	123017	20.34	ug/l	99
71) Bromoform	11.59	173	38421	21.54	ug/l	99
73) Isopropylbenzene	11.76	105	206720	20.35	ug/l	99
74) N-amyl acetate	11.64	43	72428	23.25	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.07	83	44890	21.76	ug/l	99
76) 1,2,3-Trichloropropane	12.11	75	49023	21.54	ug/l	99
77) Bromobenzene	12.04	156	63577	21.90	ug/l	94
78) n-propylbenzene	12.14	91	265780	20.97	ug/l	98
79) 2-Chlorotoluene	12.21	91	154069	20.16	ug/l	91
80) 1,3,5-Trimethylbenzene	12.31	105	165266	20.32	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.84	75	12135	22.78	ug/l	86
82) 4-Chlorotoluene	12.32	91	179658	20.71	ug/l	100
83) tert-Butylbenzene	12.57	119	195192	21.72	ug/l	99
84) 1,2,4-Trimethylbenzene	12.62	105	175771	20.05	ug/l	100
85) sec-Butylbenzene	12.75	105	220068	21.12	ug/l	95
86) p-Isopropyltoluene	12.88	119	182686	20.96	ug/l	92
87) 1,3-Dichlorobenzene	12.83	146	107159	20.59	ug/l	98
88) 1,4-Dichlorobenzene	12.92	146	106160	20.57	ug/l	99
89) n-Butylbenzene	13.19	91	186373	21.15	ug/l	100
90) Hexachloroethane	13.39	117	46733	21.36	ug/l	89
91) 1,2-Dichlorobenzene	13.19	146	90735	21.19	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.77	75	7521	20.43	ug/l	90

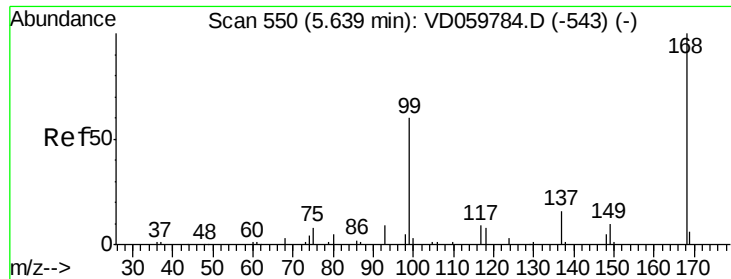
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081518\
Data File : VD059799.D
Acq On : 15 Aug 2018 16:52
Operator : VA/AP
Sample : VD0815SBSD02
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Quant Title : SW846 8260
QLast Update : Wed Aug 15 16:08:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	78071	21.81	ug/l	99
94) Hexachlorobutadiene	14.43	225	57979	21.94	ug/l	99
95) Naphthalene	14.51	128	119616	21.82	ug/l	100
96) 1,2,3-Trichlorobenzene	14.65	180	71149	22.52	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 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 :

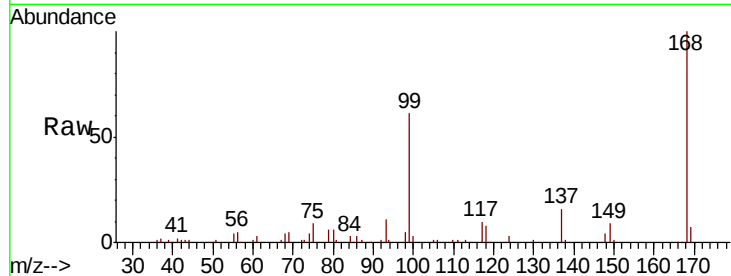
VD0815SBSD02

Tot Ion:168 Resp: 276715

Ion Ratio Lower Upper

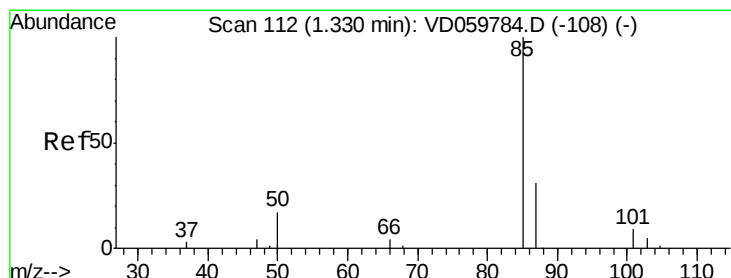
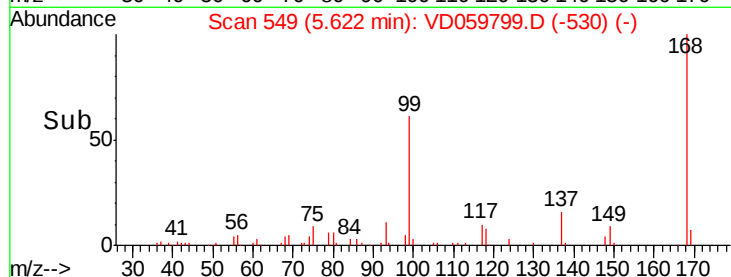
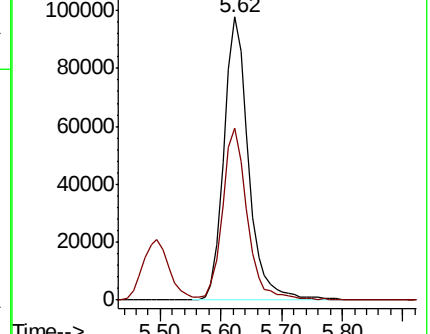
168 100

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



#2

Dichlorodifluoromethane

Concen: 17.92 ug/l

RT: 1.32 min Scan# 112

Delta R.T. -0.01 min

Lab File: VD059799.D

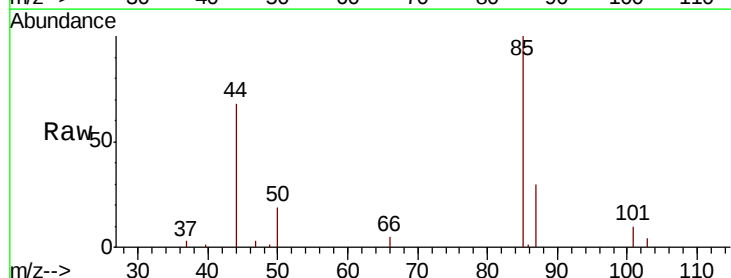
Acq: 15 Aug 2018 16:52

Tgt Ion: 85 Resp: 60419

Ion Ratio Lower Upper

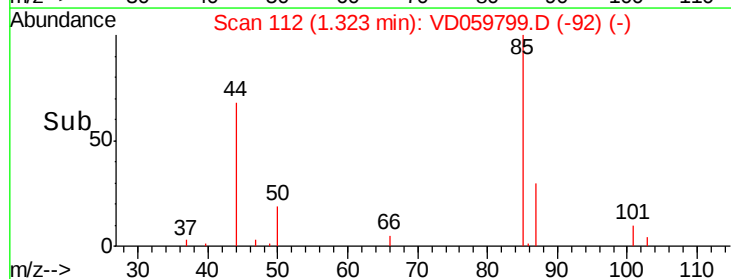
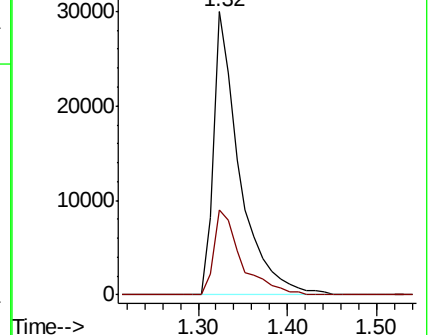
85 100

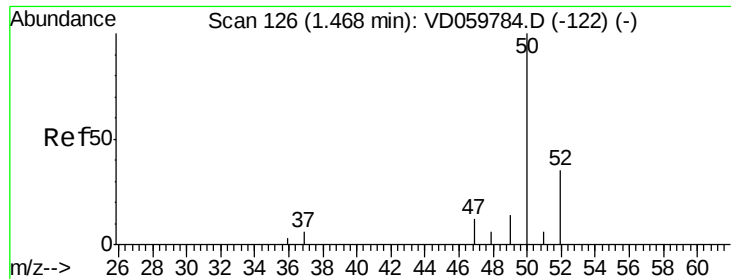
87 30.0 15.7 47.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.92 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

ClientSampleId :

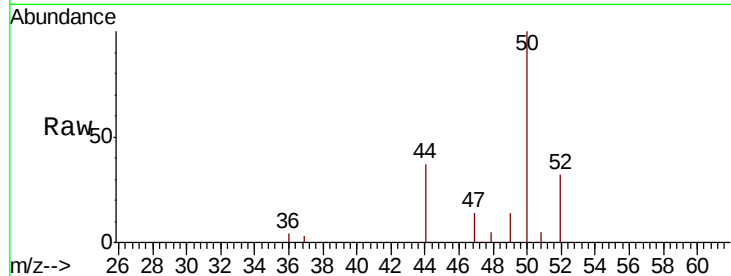
VD0815SBS02

Tot Ion: 50 Resp: 35022

Ion Ratio Lower Upper

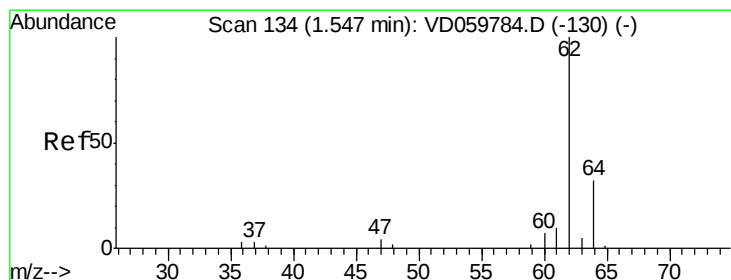
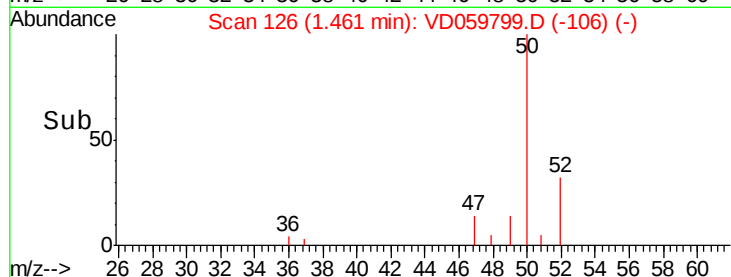
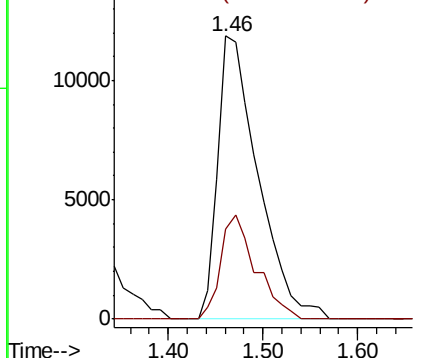
50 100

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: 18.97 ug/l

RT: 1.54 min Scan# 134

Delta R.T. -0.01 min

Lab File: VD059799.D

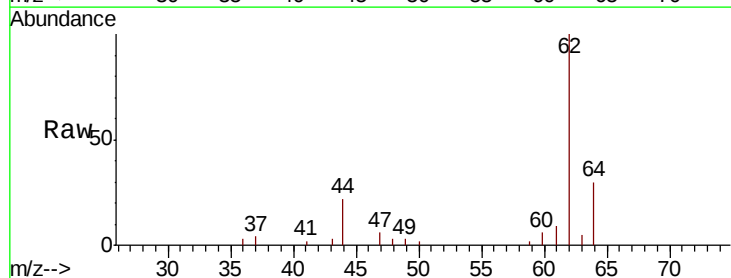
Acq: 15 Aug 2018 16:52

Tgt Ion: 62 Resp: 37202

Ion Ratio Lower Upper

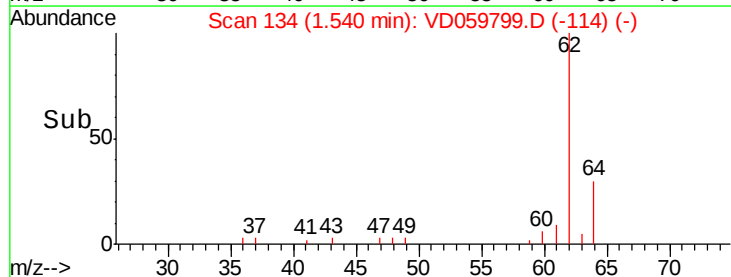
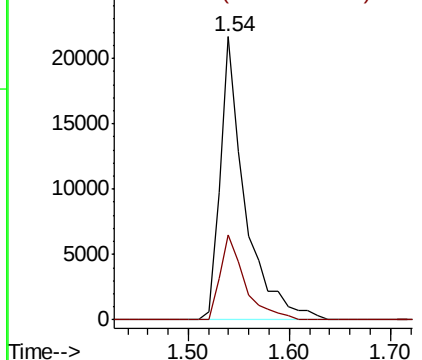
62 100

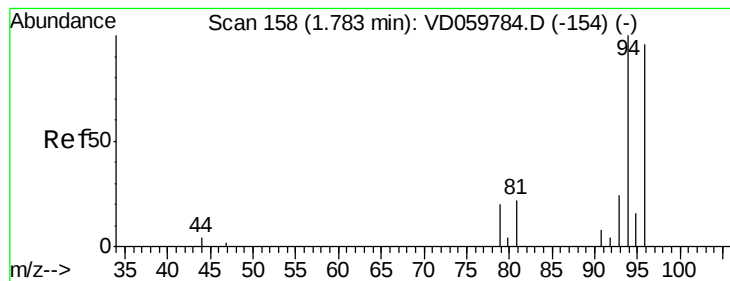
64 30.1 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 11.34 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 :

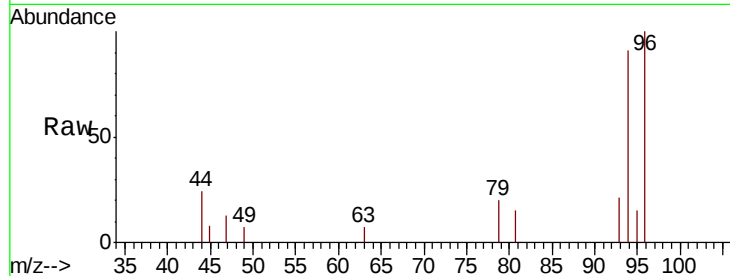
VD0815SBSD02

Tot Ion: 94 Resp: 7082

Ion Ratio Lower Upper

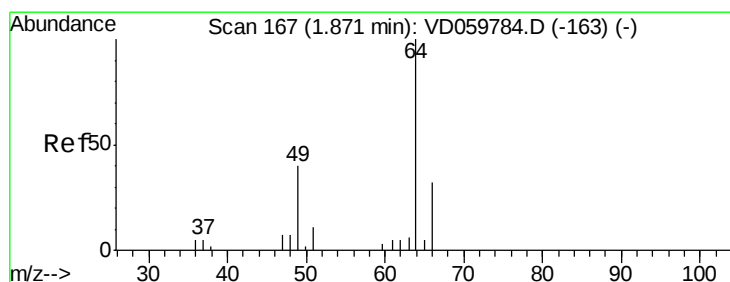
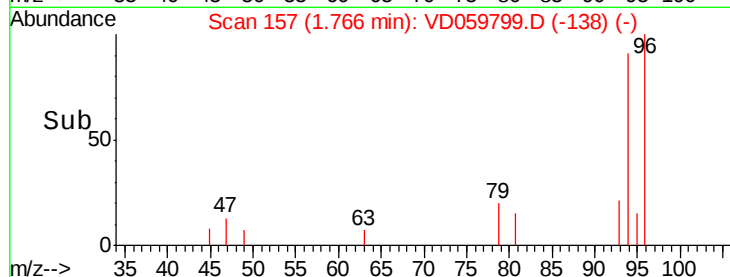
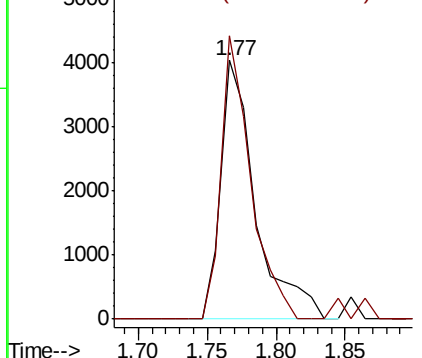
94 100

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: 12.94 ug/l

RT: 1.85 min Scan# 166

Delta R.T. -0.02 min

Lab File: VD059799.D

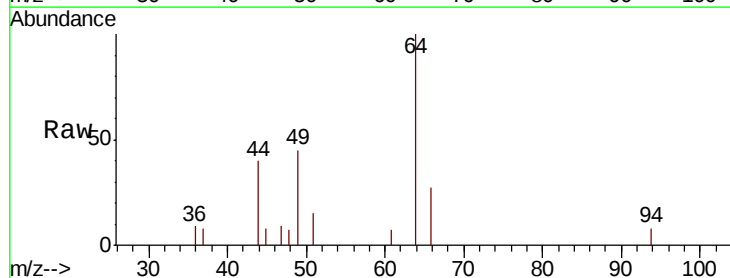
Acq: 15 Aug 2018 16:52

Tgt Ion: 64 Resp: 10580

Ion Ratio Lower Upper

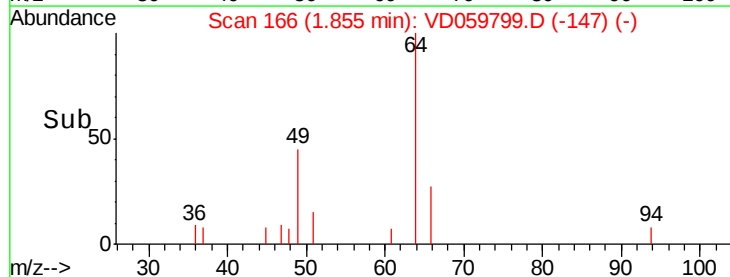
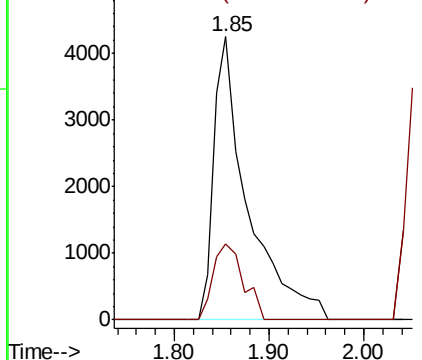
64 100

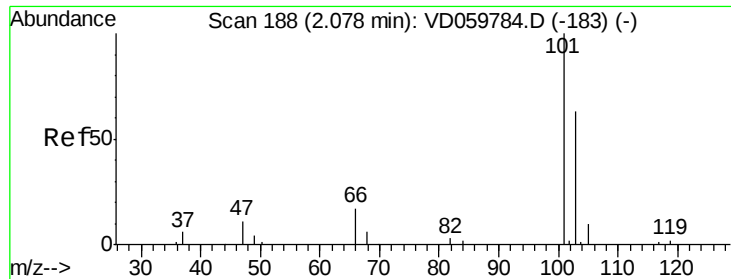
66 26.7 25.4 38.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 17.22 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 :

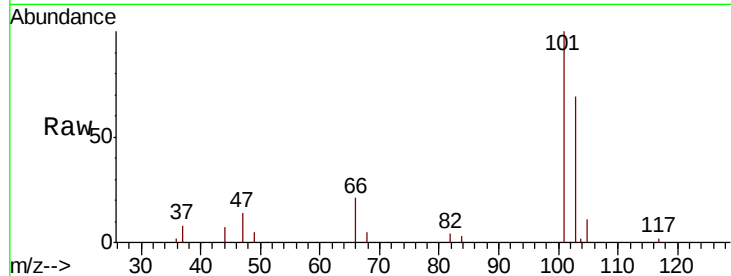
VD0815SBSD02

Tot Ion:101 Resp: 53021

Ion Ratio Lower Upper

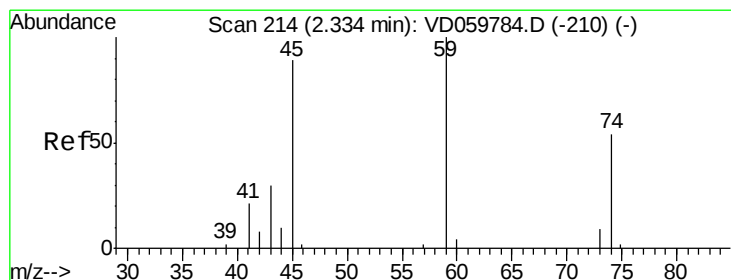
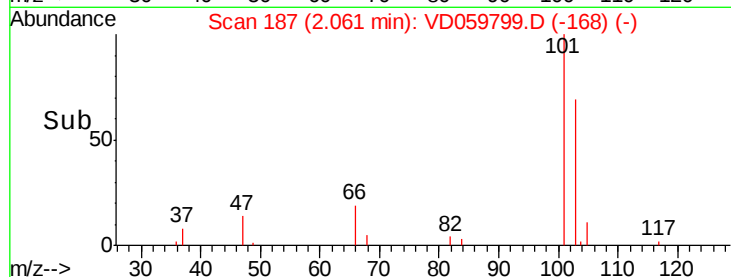
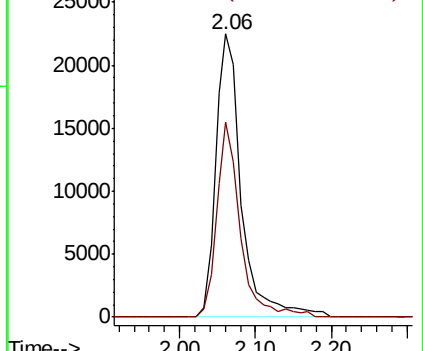
101 100

103 68.9 50.4 75.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 18.99 ug/l

RT: 2.33 min Scan# 214

Delta R.T. -0.01 min

Lab File: VD059799.D

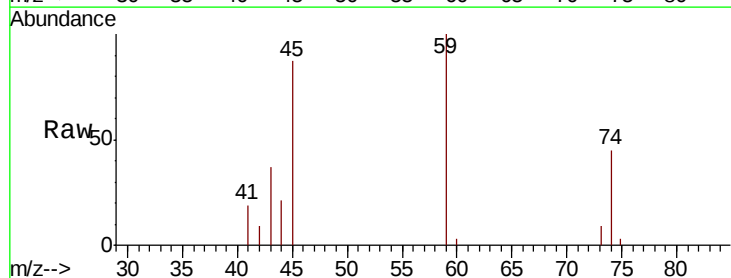
Acq: 15 Aug 2018 16:52

Tgt Ion: 74 Resp: 11253

Ion Ratio Lower Upper

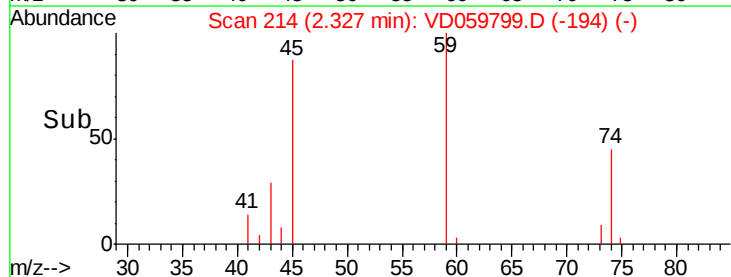
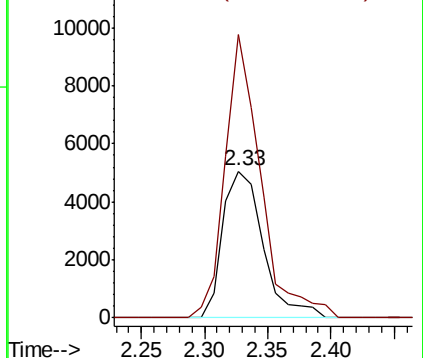
74 100

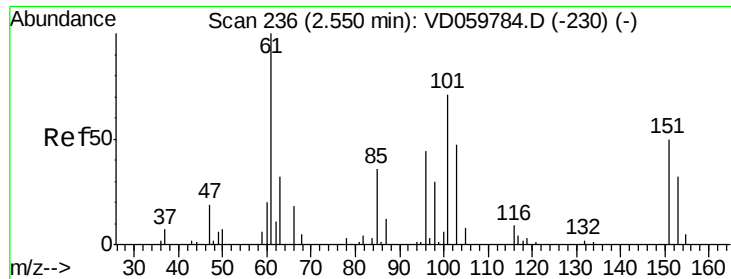
45 193.2 81.6 244.8



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.25 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.02 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

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VD0815SBSD02

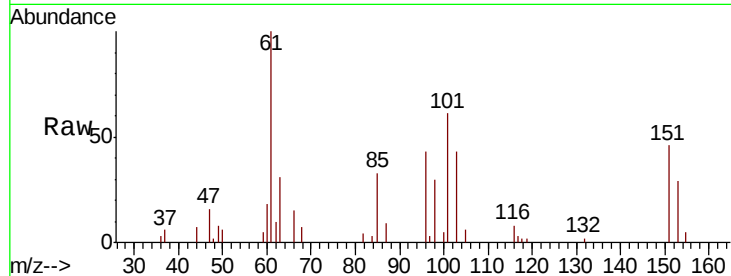
Tot Ion:101 Resp: 31513

Ion Ratio Lower Upper

101 100

85 53.5 40.6 61.0

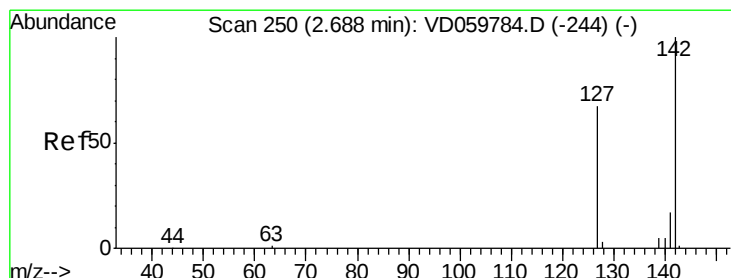
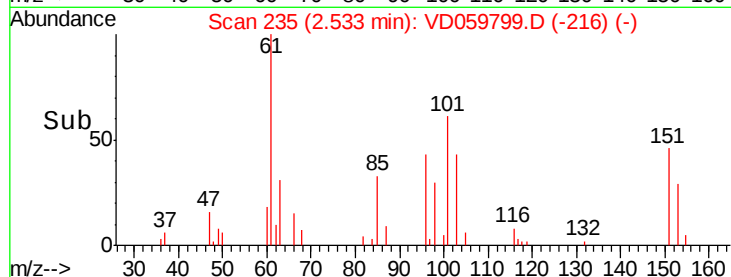
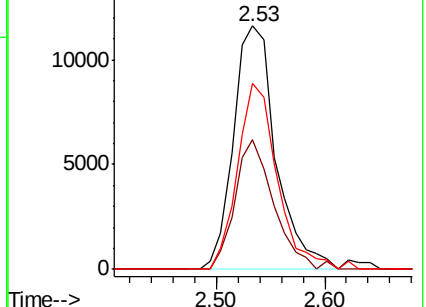
151 76.2 57.1 85.7



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: 16.47 ug/l

RT: 2.67 min Scan# 249

Delta R.T. -0.02 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

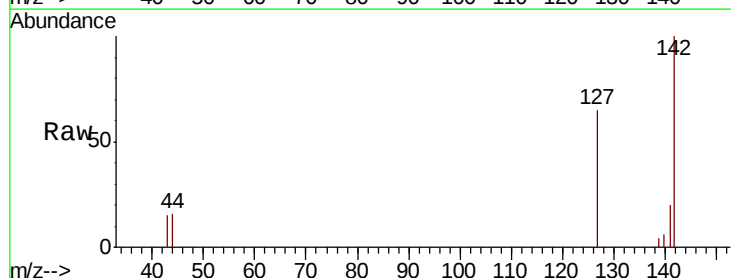
Tgt Ion:142 Resp: 29930

Ion Ratio Lower Upper

142 100

127 65.4 54.0 81.0

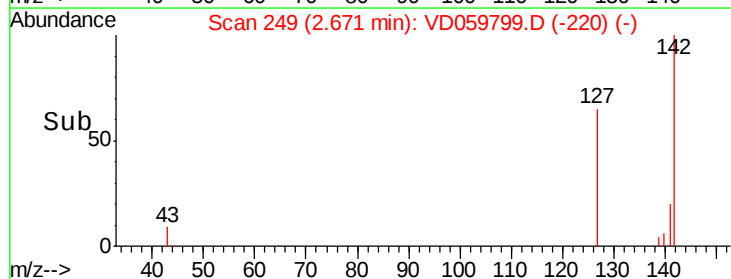
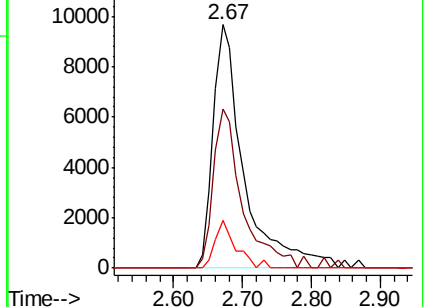
141 19.8 13.3 19.9

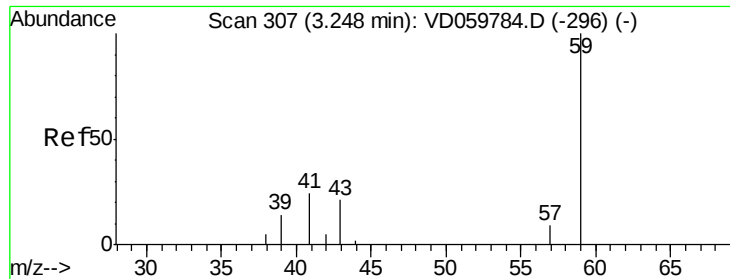


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

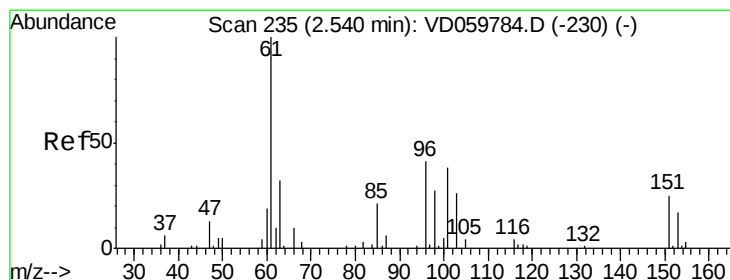
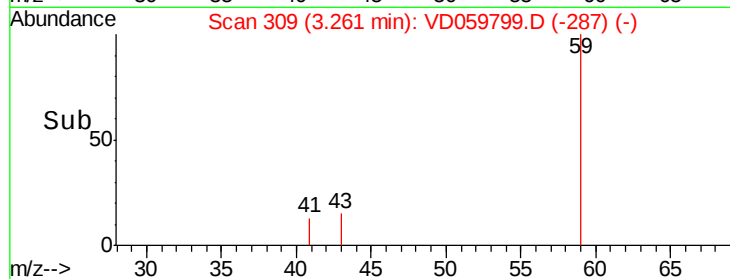
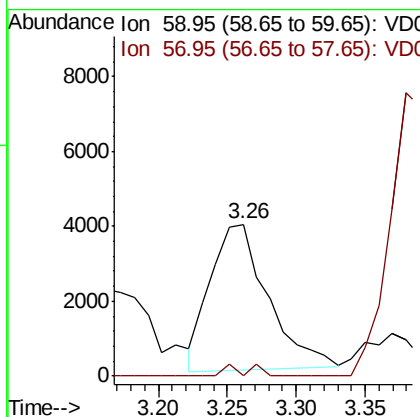
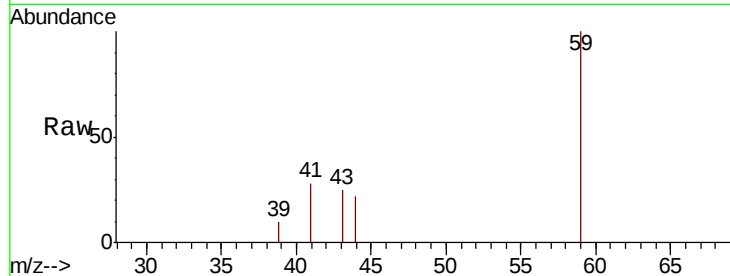




#11
Tert butyl alcohol
Concen: 89.58 ug/l
RT: 3.26 min Scan# 309
Delta R.T. 0.01 min
Lab File: VD059799.D
Acq: 15 Aug 2018 16:52

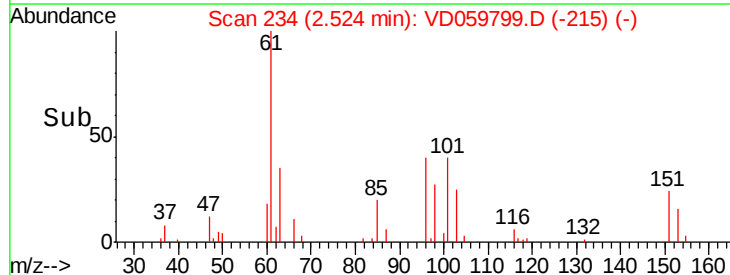
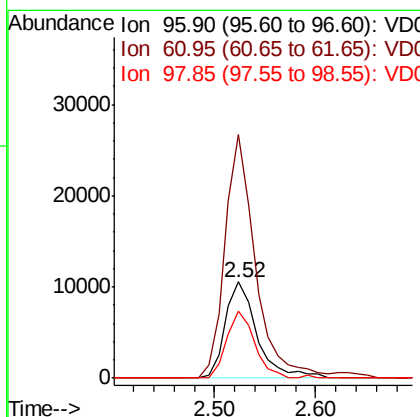
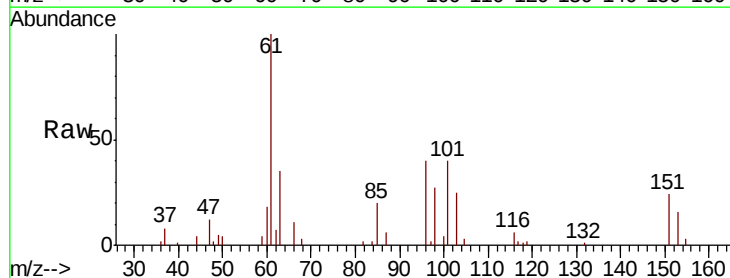
Instrument :
MSVOA_D
ClientSampleId :
VD0815SBSD02

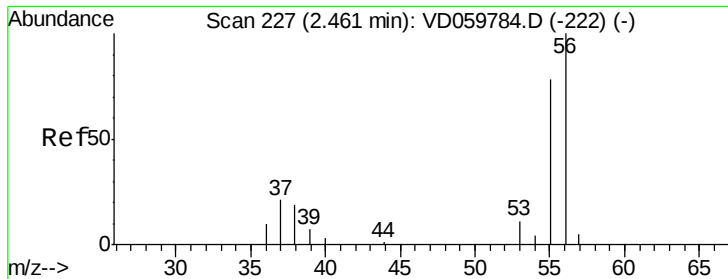
Tot Ion: 59 Resp: 11268
Ion Ratio Lower Upper
59 100
57 0.0 7.5 11.3#



#12
1,1-Dichloroethene
Concen: 18.41 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: 81.89 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 :

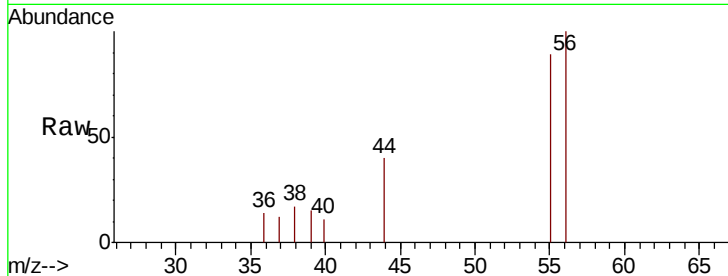
VD0815SBS02

Tot Ion: 56 Resp: 7855

Ion Ratio Lower Upper

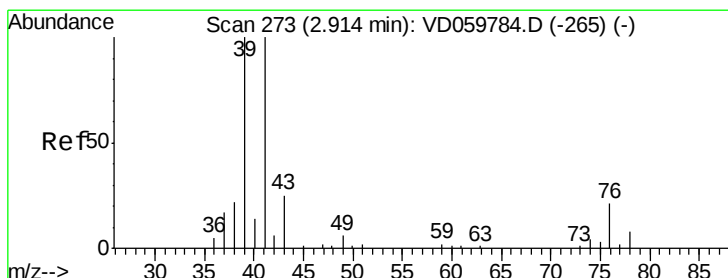
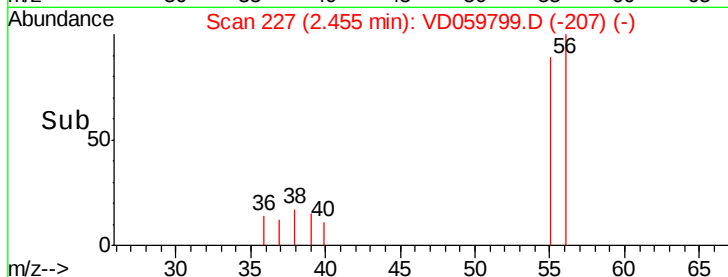
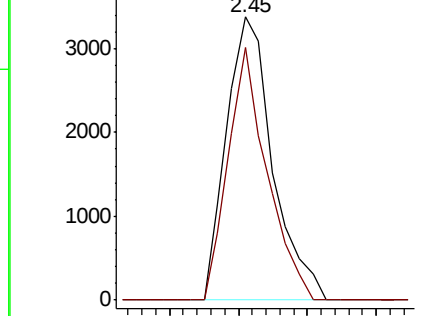
56 100

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: 18.19 ug/l

RT: 2.90 min Scan# 272

Delta R.T. -0.02 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

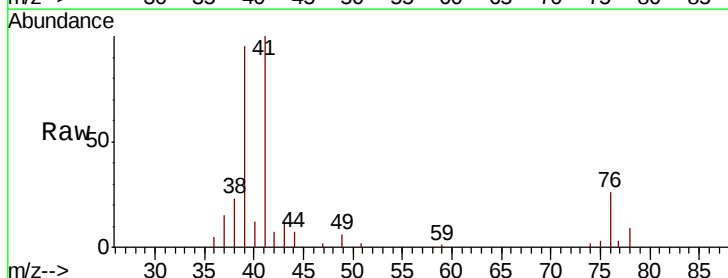
Tgt Ion: 41 Resp: 57064

Ion Ratio Lower Upper

41 100

39 94.7 79.8 119.6

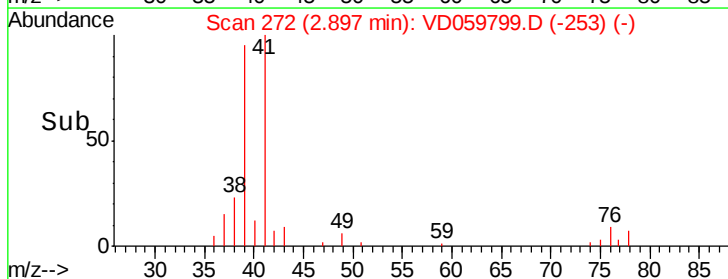
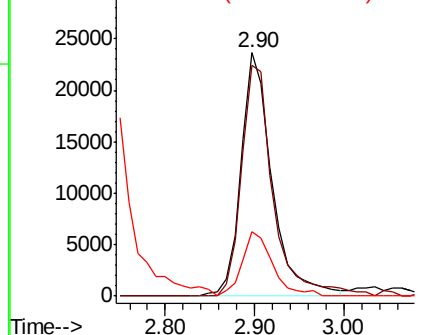
76 26.4 20.4 30.6

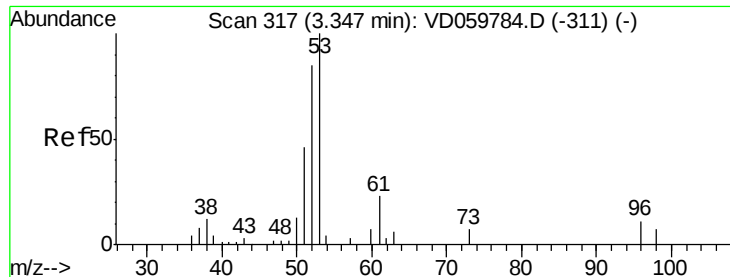


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 85.42 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 :

VD0815SBS02

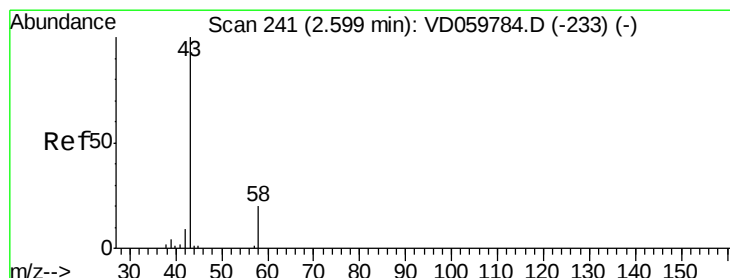
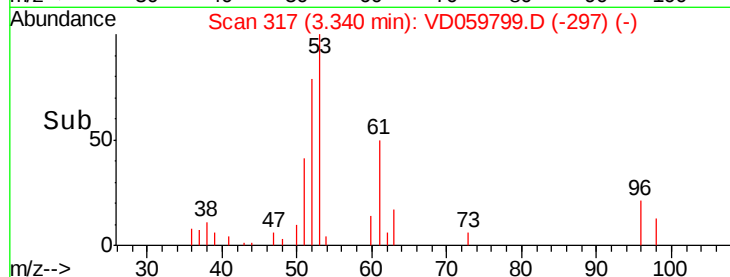
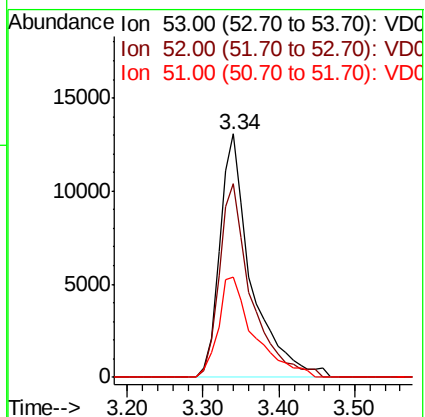
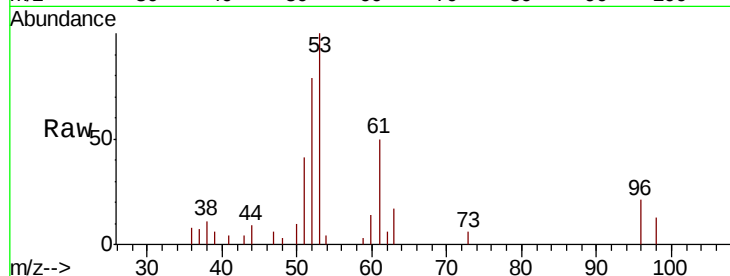
Tot Ion: 53 Resp: 37646

Ion Ratio Lower Upper

53 100

52 79.5 68.2 102.2

51 41.3 36.6 54.8



#16

Acetone

Concen: 99.47 ug/l

RT: 2.59 min Scan# 241

Delta R.T. -0.01 min

Lab File: VD059799.D

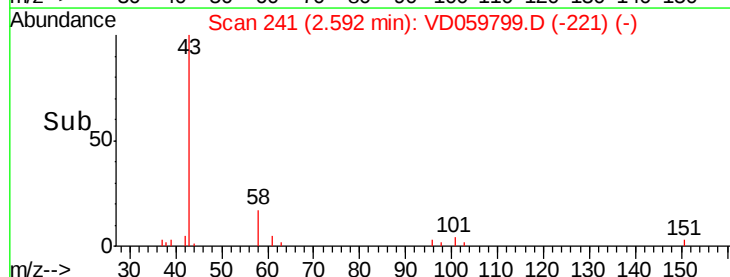
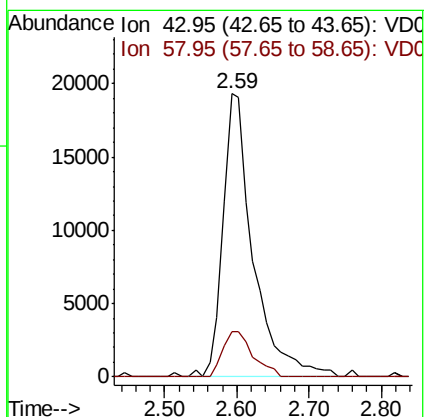
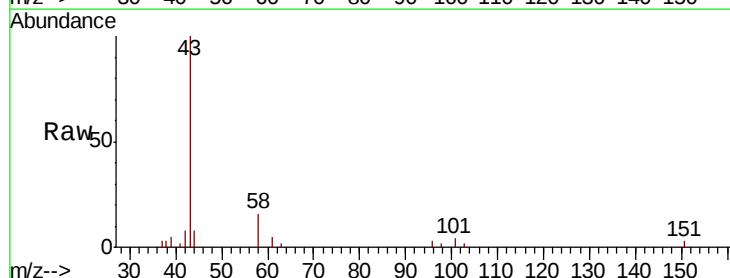
Acq: 15 Aug 2018 16:52

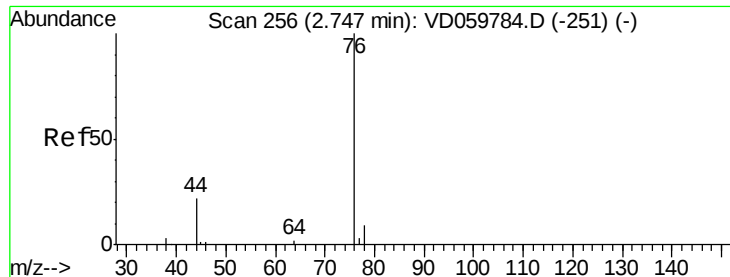
Tgt Ion: 43 Resp: 55809

Ion Ratio Lower Upper

43 100

58 16.2 15.7 23.5

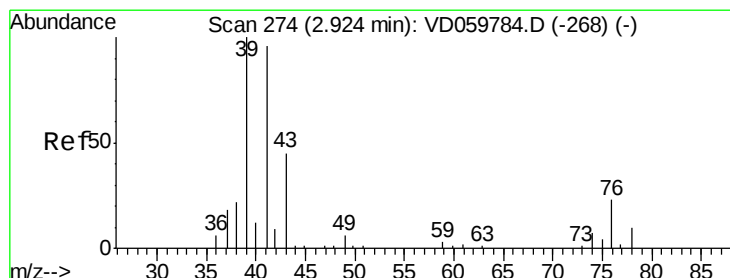
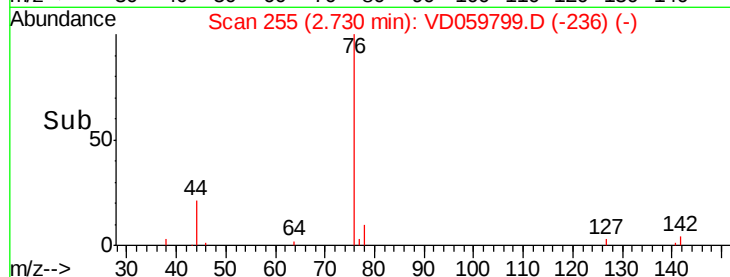
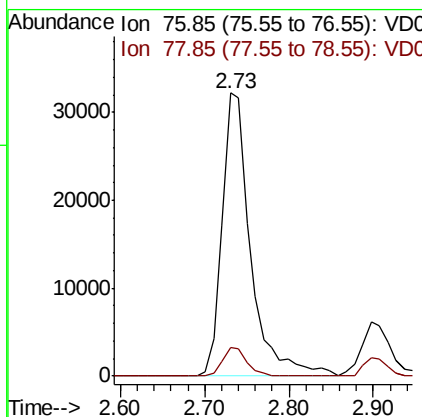
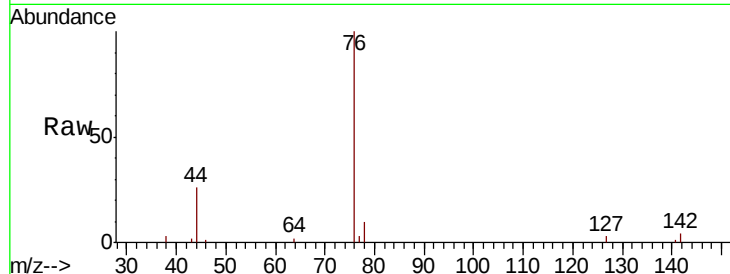




#17
Carbon Disulfide
Concen: 18.06 ug/l
RT: 2.73 min Scan# 255
Delta R.T. -0.02 min
Lab File: VD059799.D
Acq: 15 Aug 2018 16:52

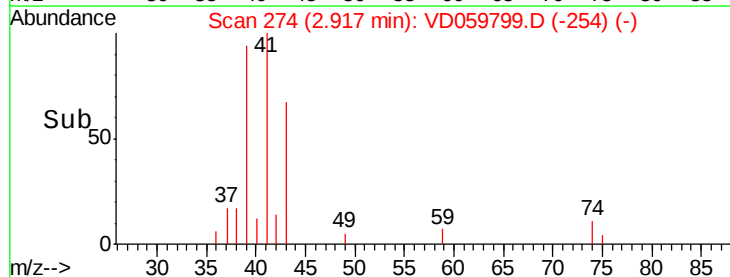
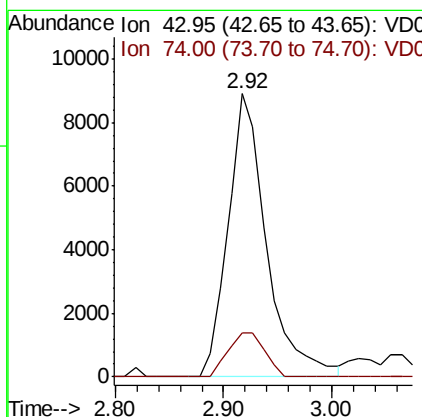
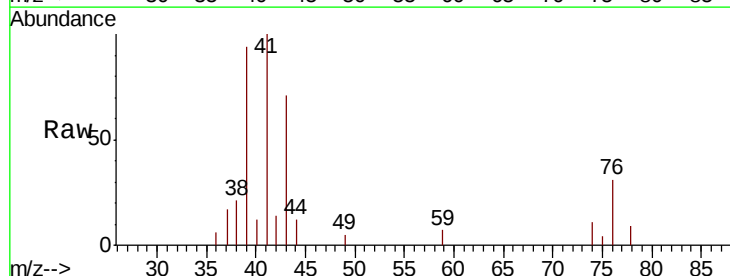
Instrument :
MSVOA_D
ClientSampleId :
VD0815SBSD02

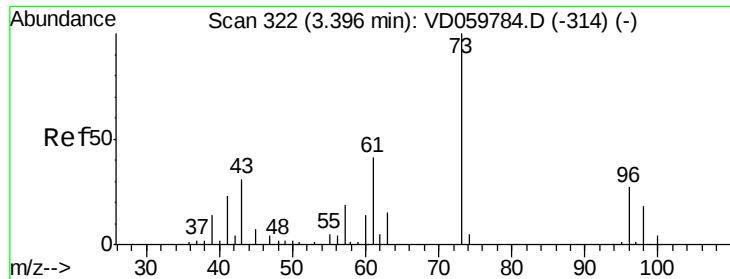
Tot Ion: 76 Resp: 75560
Ion Ratio Lower Upper
76 100
78 10.1 6.9 10.3



#18
Methyl Acetate
Concen: 18.32 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

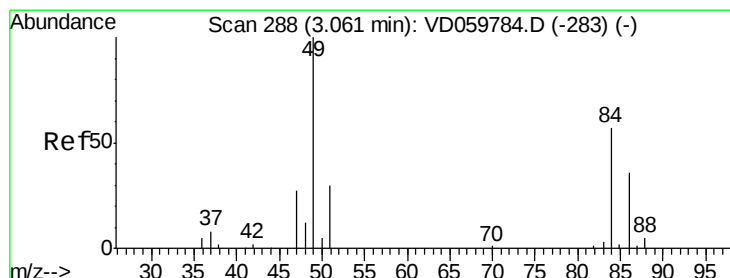
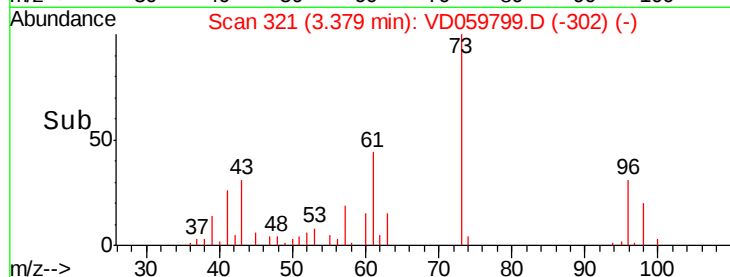
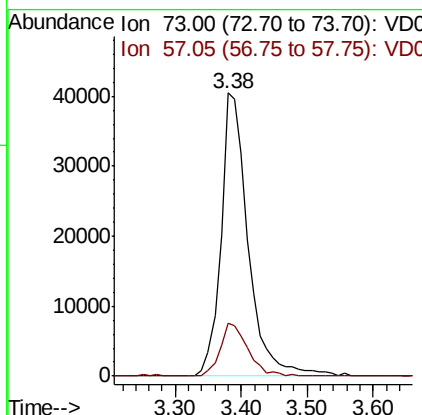
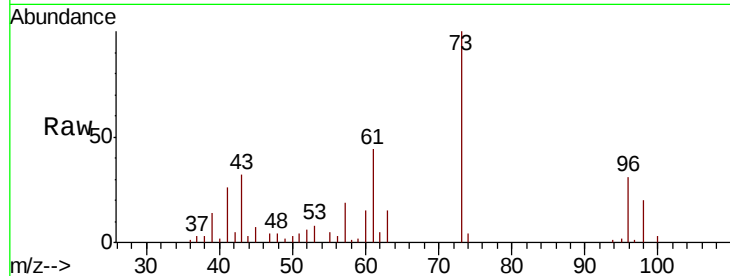




#19
Methvl tert-butvl Ether
Concen: 19.10 ug/l
RT: 3.38 min Scan# 321
Delta R.T. -0.02 min
Lab File: VD059799.D
Acq: 15 Aug 2018 16:52

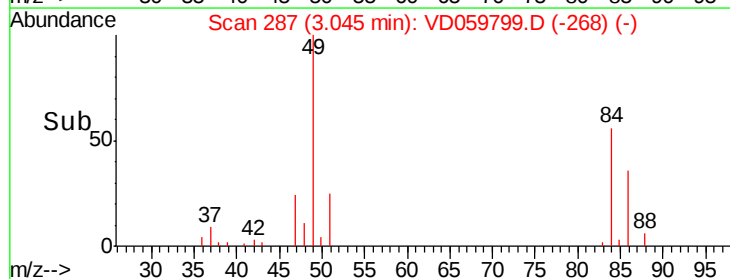
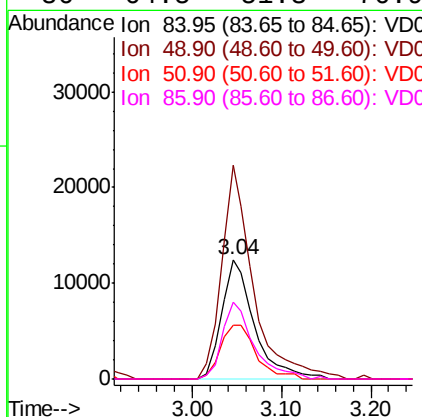
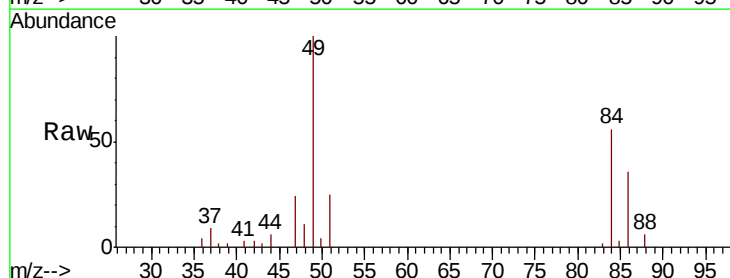
Instrument :
MSVOA_D
ClientSampleId :
VD0815SBS02

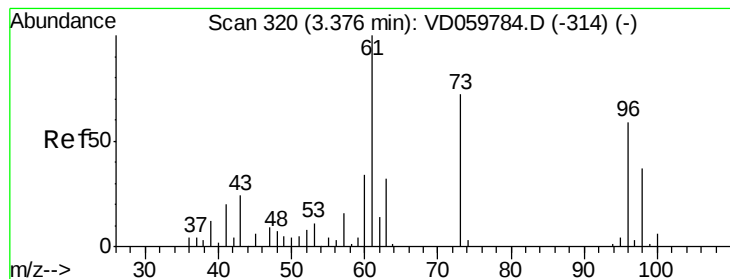
Tot Ion: 73 Resp: 116394
Ion Ratio Lower Upper
73 100
57 18.7 14.8 22.2



#20
Methylene Chloride
Concen: 19.13 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





#21

trans-1,2-Dichloroethene

Concen: 14.29 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

ClientSampleId :

VD0815SBS02

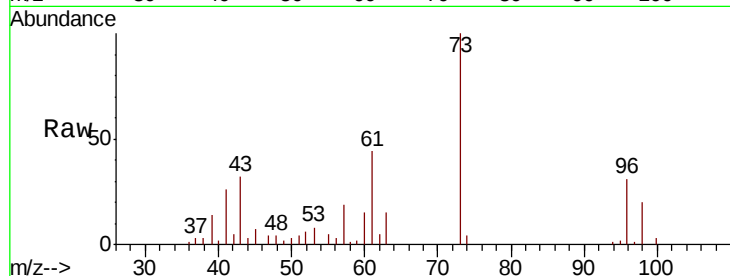
Tot Ion: 96 Resp: 35164

Ion Ratio Lower Upper

96 100

61 144.4 134.8 202.2

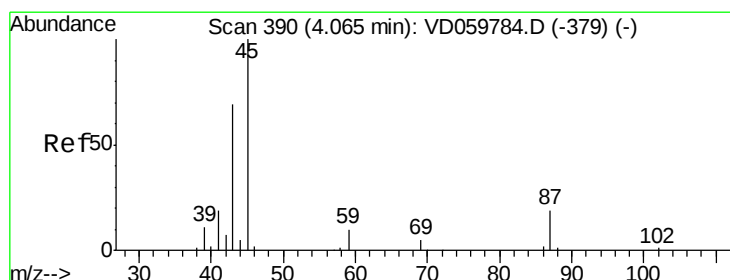
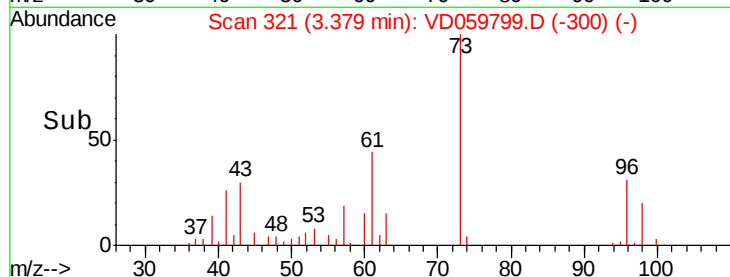
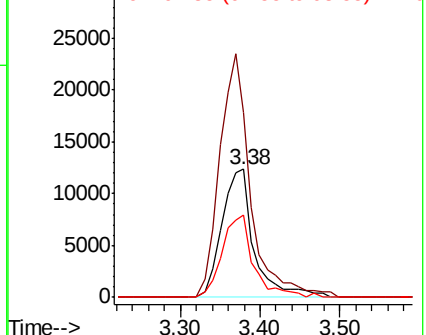
98 64.7 50.0 75.0



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: 18.78 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

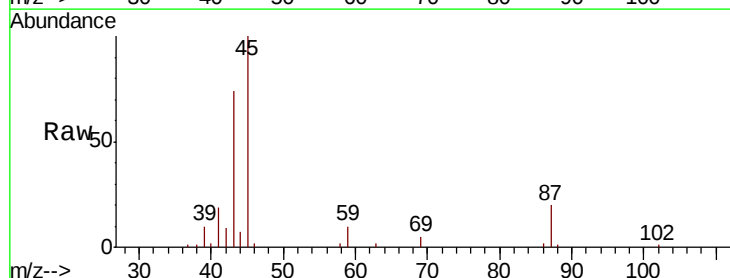
Ion Ratio Lower Upper

45 100

43 73.6 57.5 86.3

87 20.2 16.1 24.1

59 10.4 8.4 12.6

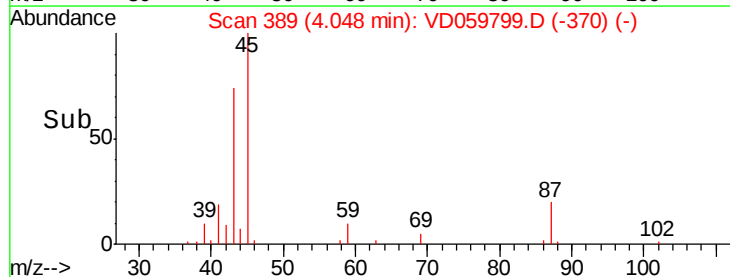
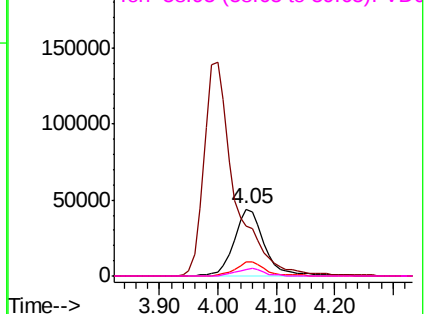


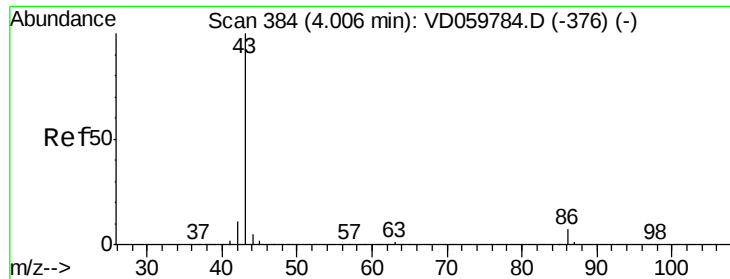
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 106.48 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

ClientSampleId :

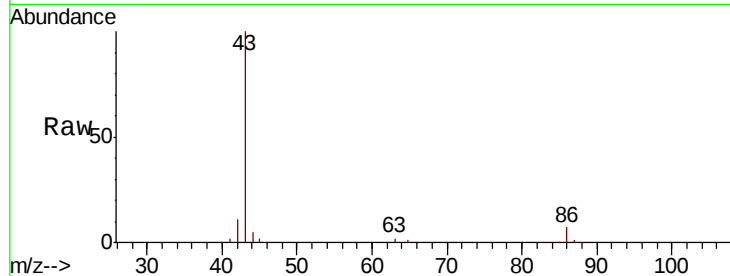
VD0815SBS02

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

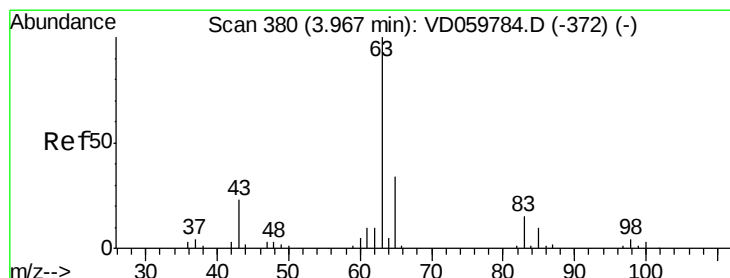
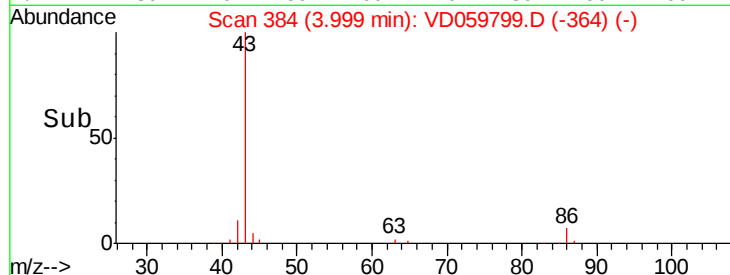
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.34 ug/l

RT: 3.95 min Scan# 379

Delta R.T. -0.02 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

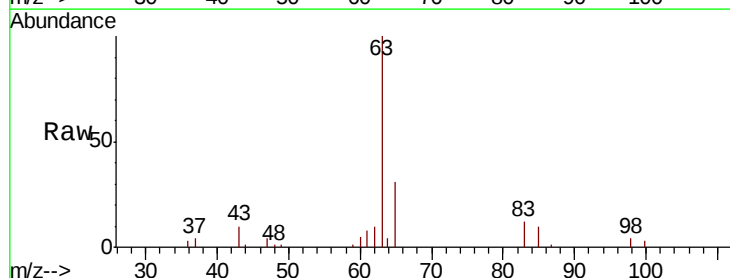
Tgt Ion: 63 Resp: 97085

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

40000

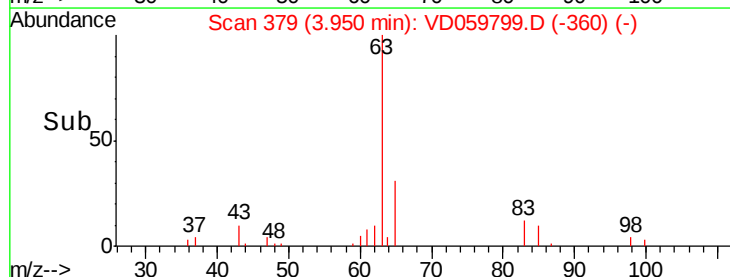
30000

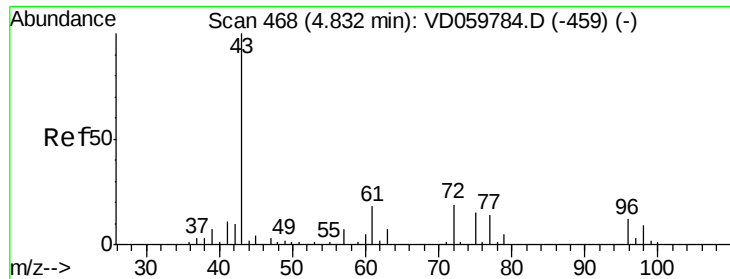
20000

10000

0

Time-->





#25

2-Butanone

Concen: 92.20 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

ClientSampleId :

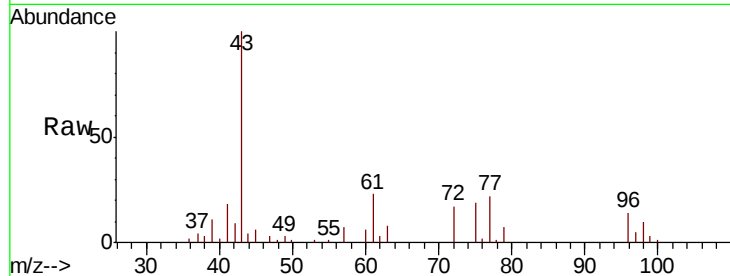
VD0815SBS02

Tot Ion: 43 Resp: 79181

Ion Ratio Lower Upper

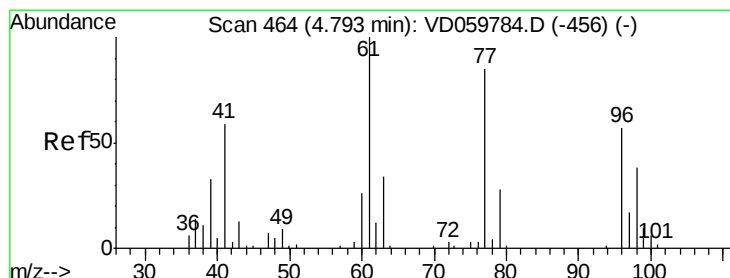
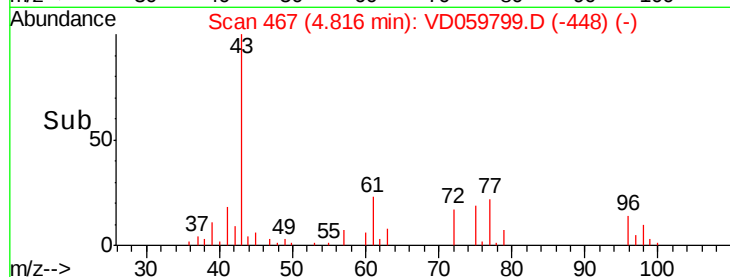
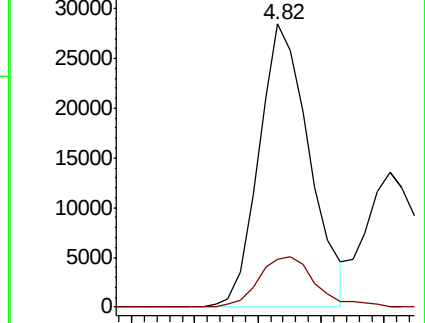
43 100

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: 20.19 ug/l

RT: 4.78 min Scan# 463

Delta R.T. -0.02 min

Lab File: VD059799.D

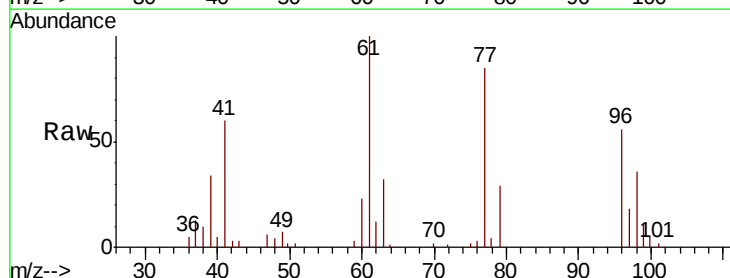
Acq: 15 Aug 2018 16:52

Tgt Ion: 77 Resp: 92696

Ion Ratio Lower Upper

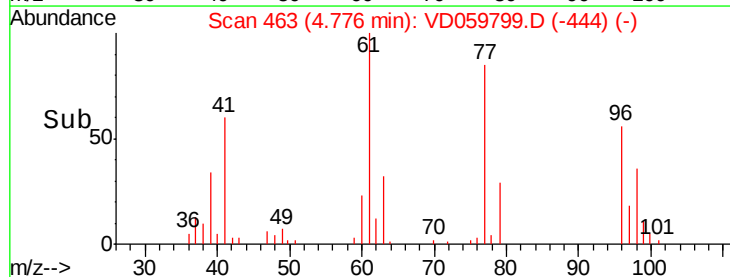
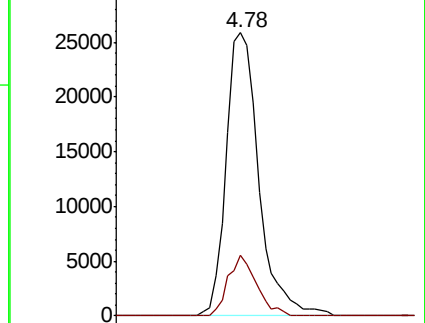
77 100

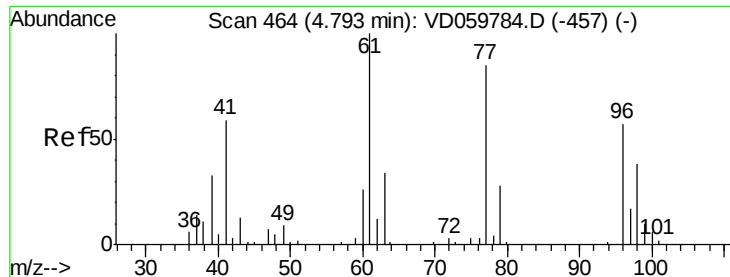
97 21.4 10.3 30.8



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: 18.96 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

ClientSampleId :

VD0815SBS02

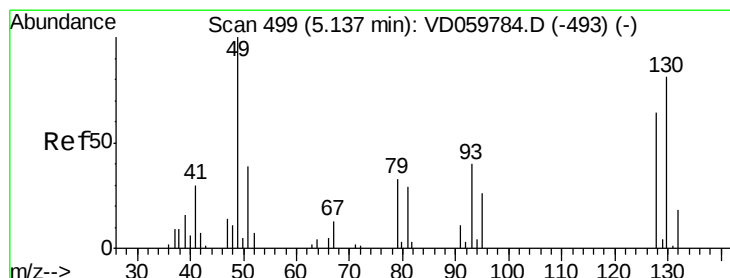
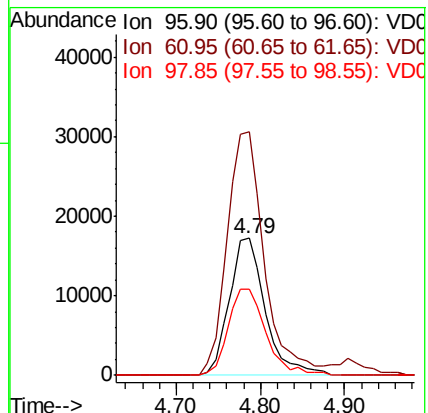
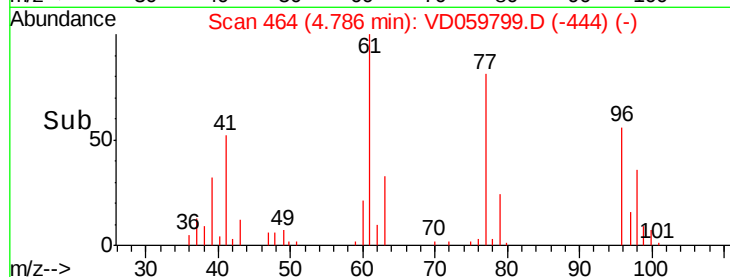
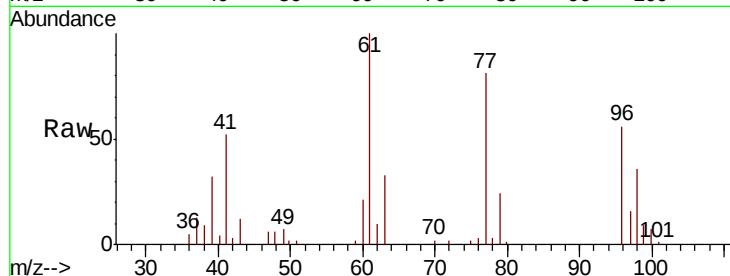
Tot Ion: 96 Resp: 51116

Ion Ratio Lower Upper

96 100

61 177.7 0.0 351.6

98 63.1 0.0 135.2



#28

Bromochloromethane

Concen: 20.00 ug/l

RT: 5.12 min Scan# 498

Delta R.T. -0.02 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

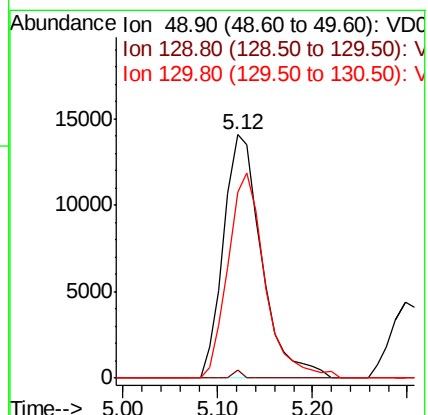
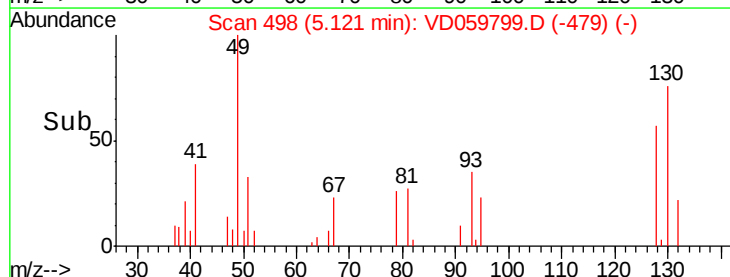
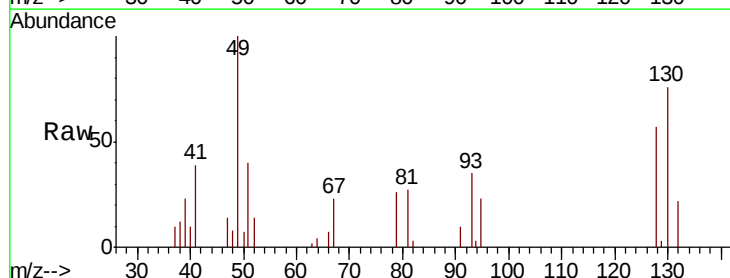
Tgt Ion: 49 Resp: 39395

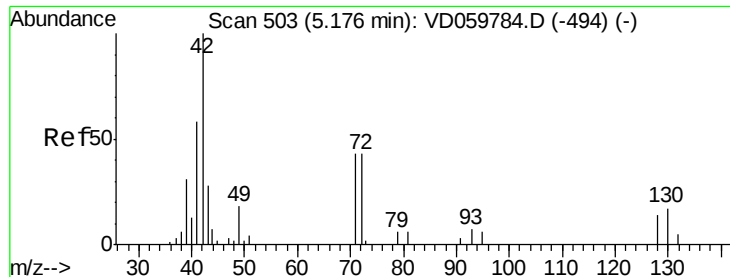
Ion Ratio Lower Upper

49 100

129 3.4 0.0 7.0

130 76.4 64.8 97.2

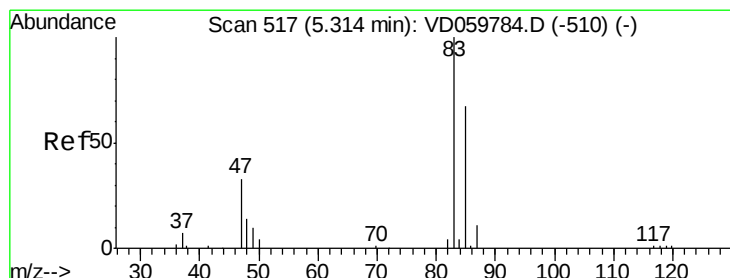
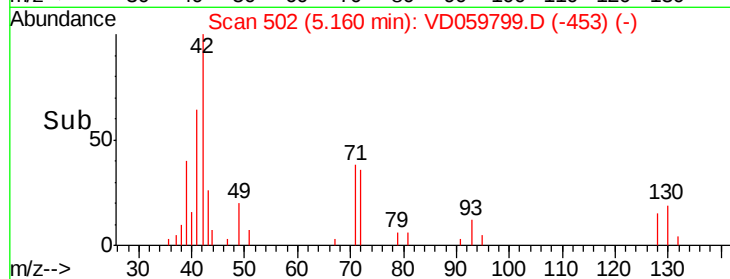
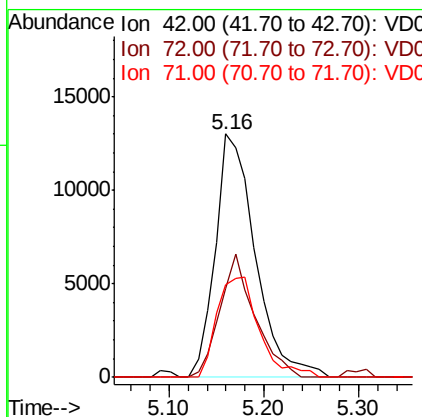
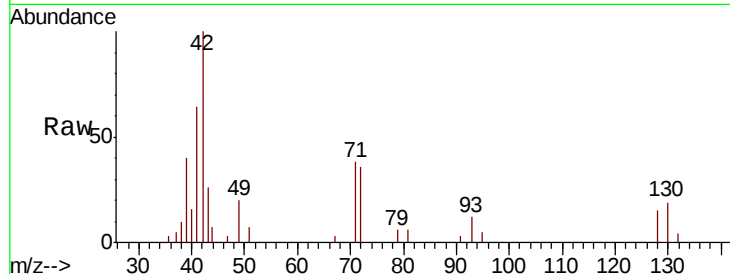




#29
Tetrahydrofuran
Concen: 104.10 ug/l
RT: 5.16 min Scan# 502
Delta R.T. -0.02 min
Lab File: VD059799.D
Acq: 15 Aug 2018 16:52

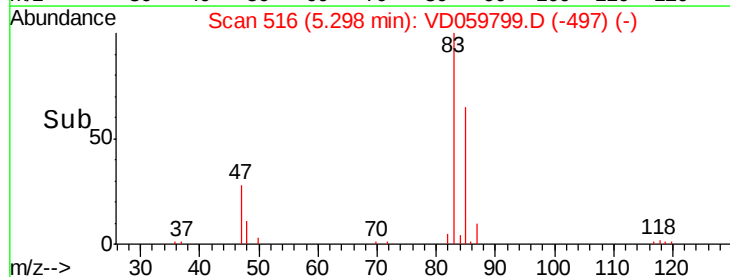
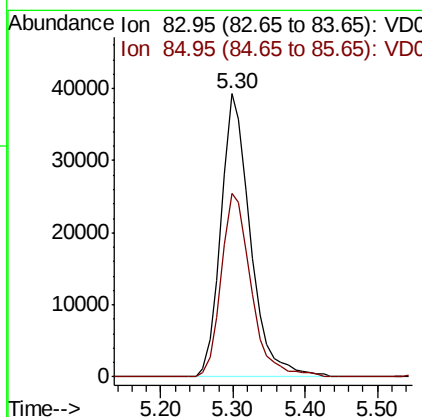
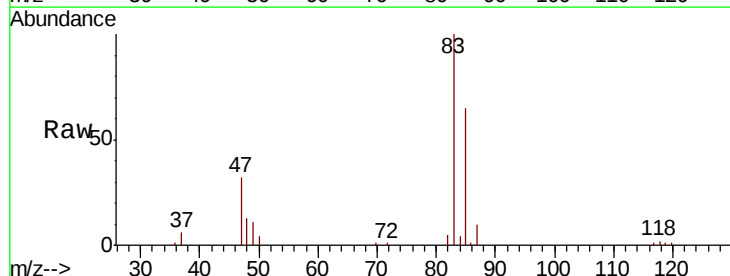
Instrument :
MSVOA_D
ClientSampleId :
VD0815SBS02

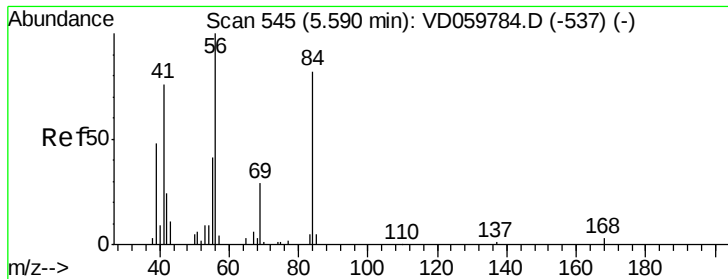
Tot Ion: 42 Resp: 38142
Ion Ratio Lower Upper
42 100
72 44.3 34.3 51.5
71 43.7 33.0 49.6



#30
Chloroform
Concen: 18.38 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

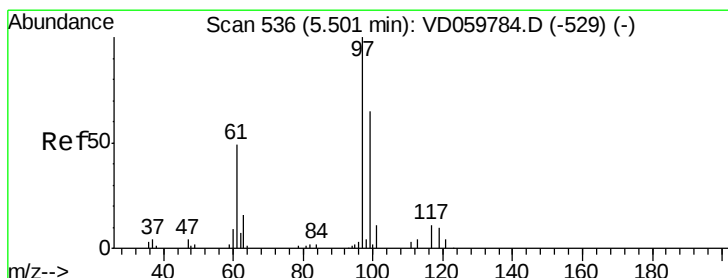
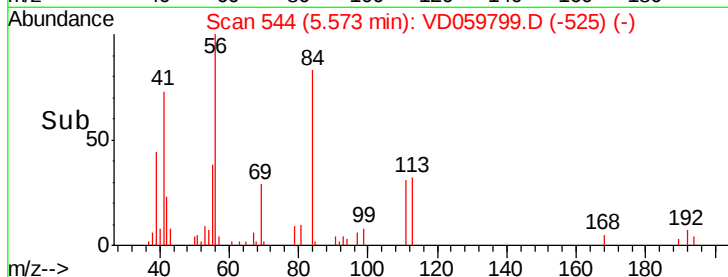
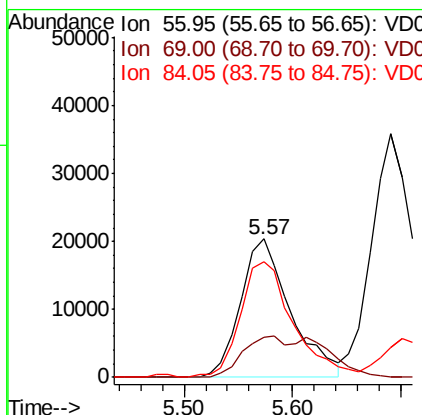
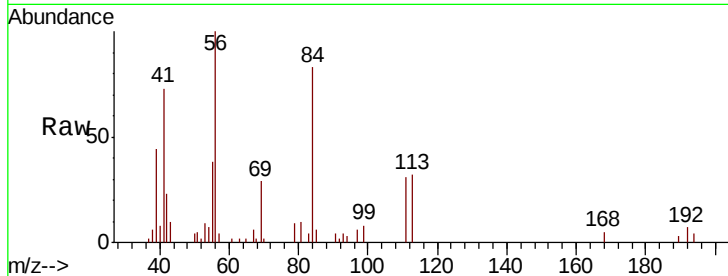




#31
Cyclohexane
Concen: 18.07 ug/l
RT: 5.57 min Scan# 544
Delta R.T. -0.02 min
Lab File: VD059799.D
Acq: 15 Aug 2018 16:52

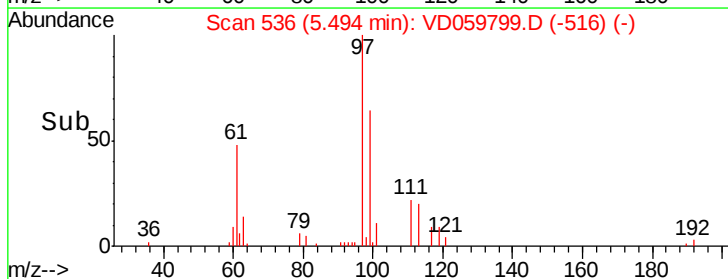
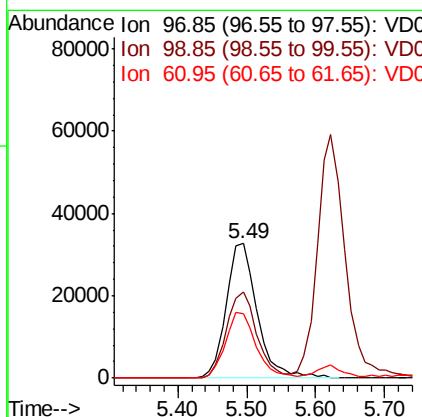
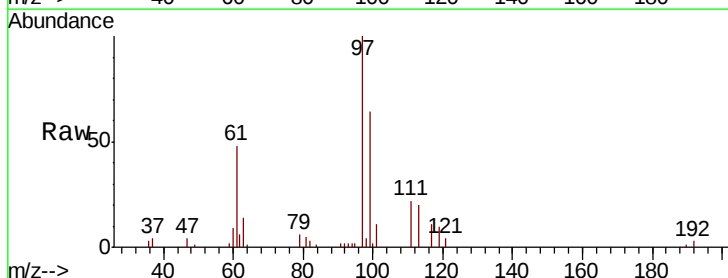
Instrument :
MSVOA_D
ClientSampleId :
VD0815SBS02

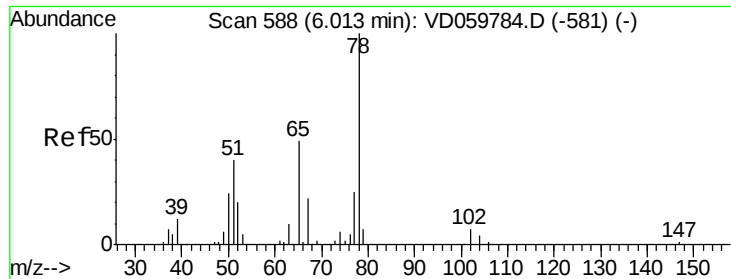
Tot Ion	56	Resp	65267
Ion	Ratio	Lower	Upper
56	100		
69	29.1	23.4	35.2
84	83.4	65.4	98.2



#32
1,1,1-Trichloroethane
Concen: 19.17 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

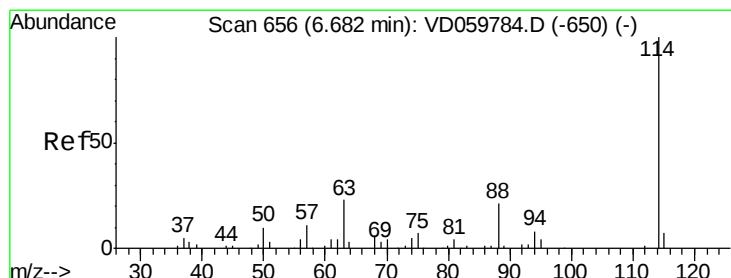
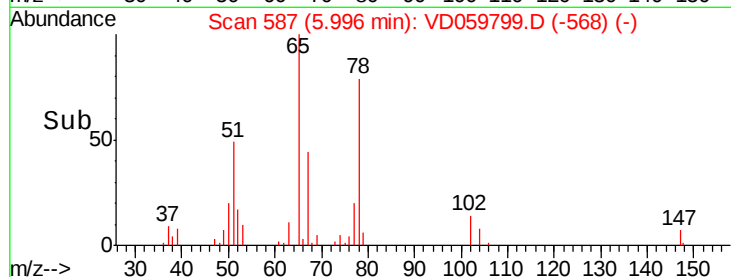
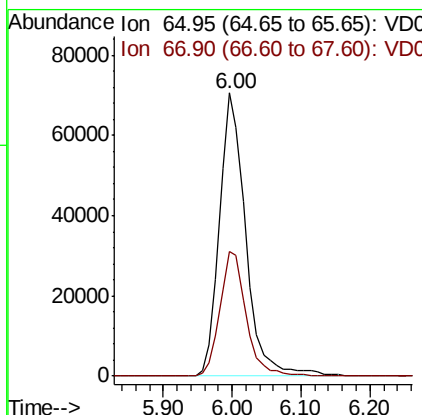
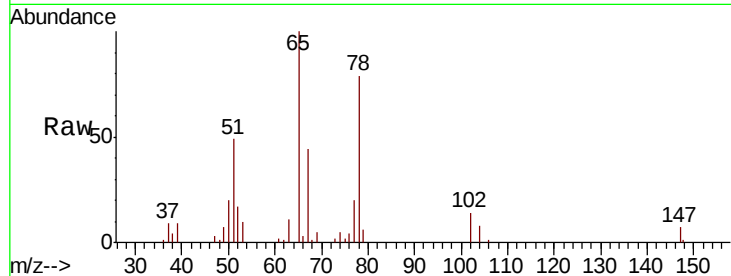




#33
 1,2-Dichloroethane-d4
 Concen: 19.17 ug/l
 RT: 6.00 min Scan# 587
 Delta R.T. -0.02 min
 Lab File: VD059799.D
 Acq: 15 Aug 2018 16:52

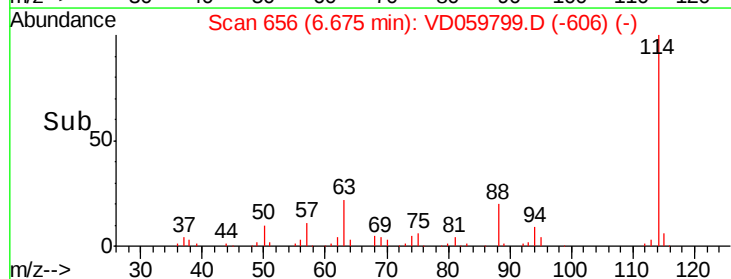
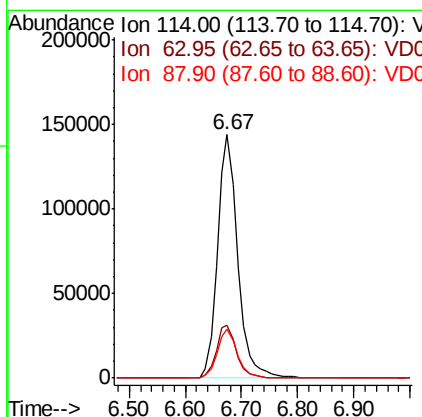
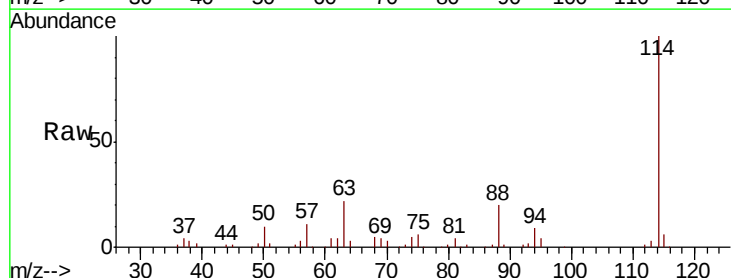
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815SBS02

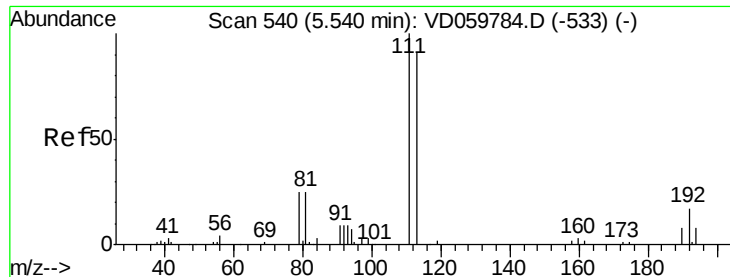
Tot Ion: 65 Resp: 186541
 Ion Ratio Lower Upper
 65 100
 67 44.1 0.0 87.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 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

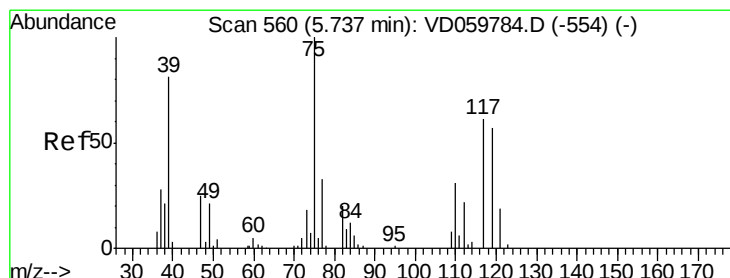
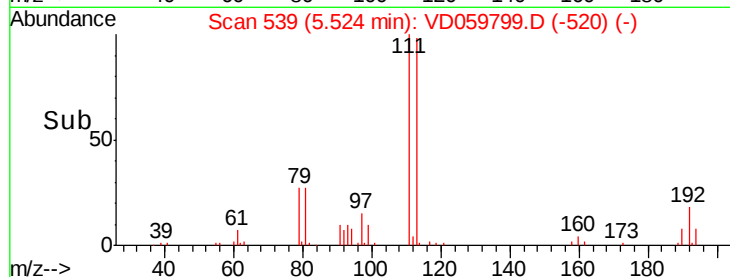
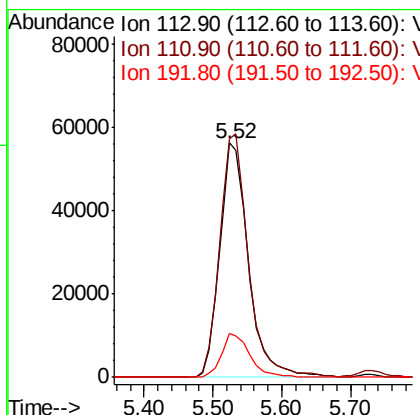
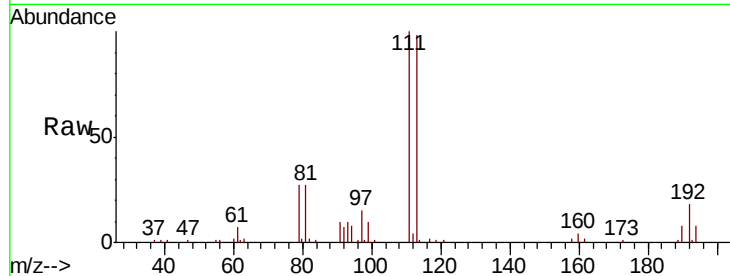




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.52 min Scan# 539
 Delta R.T. -0.02 min
 Lab File: VD059799.D
 Acq: 15 Aug 2018 16:52

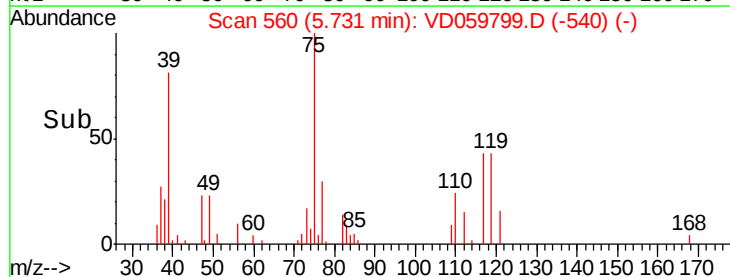
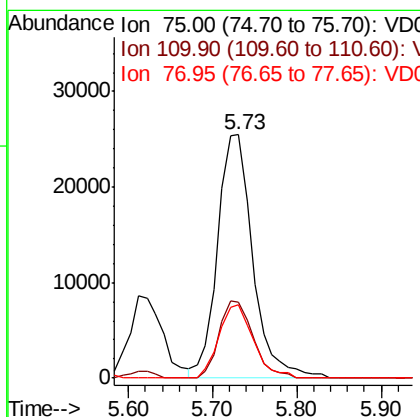
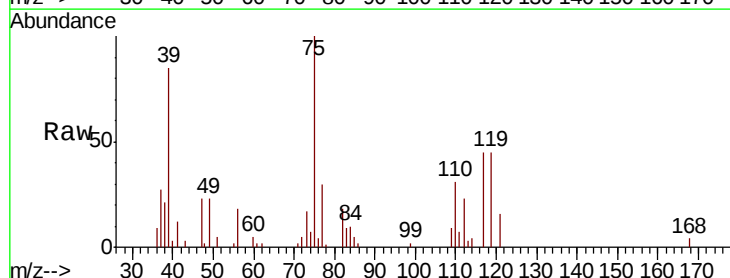
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815SBSD02

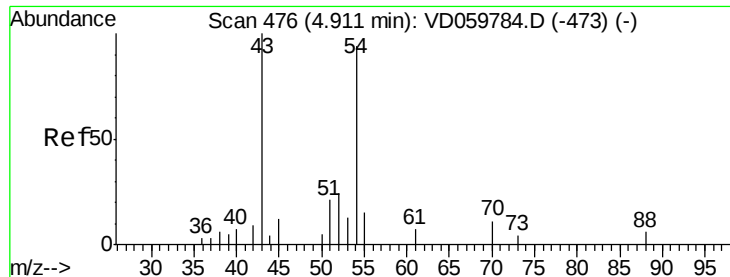
Tot Ion:113 Resp: 162062
 Ion Ratio Lower Upper
 113 100
 111 101.8 87.7 131.5
 192 18.5 14.6 21.8



#36
 1,1-Dichloropropene
 Concen: 20.04 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





#37

Ethyl Acetate

Concen: 23.82 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 :

VD0815SBS02

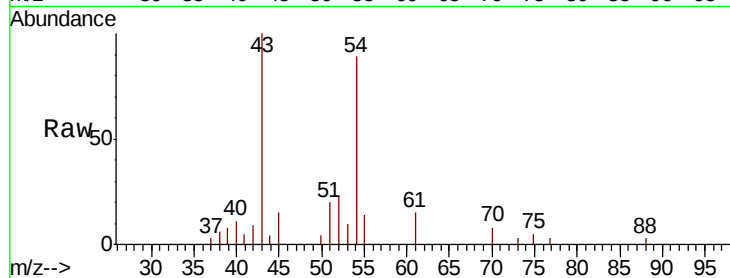
Tot Ion: 43 Resp: 44162

Ion Ratio Lower Upper

43 100

61 15.4 10.2 15.2#

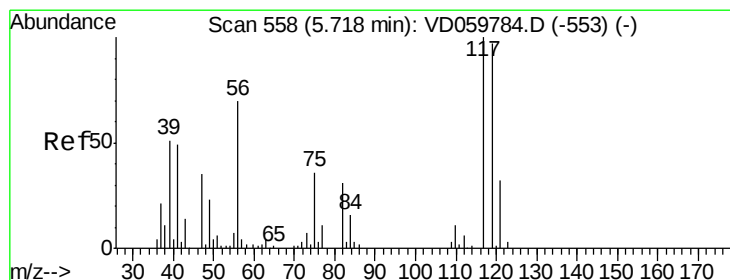
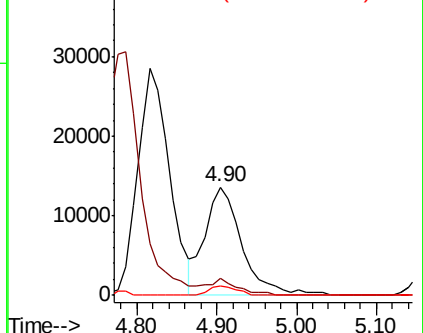
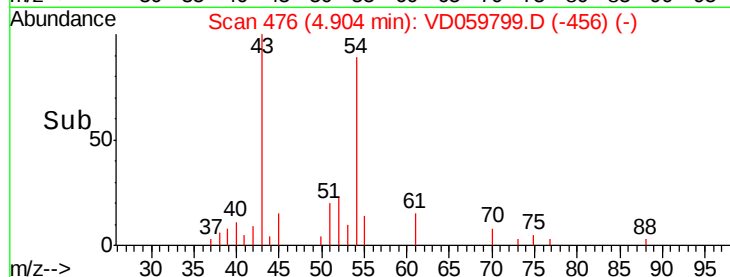
70 8.2 5.8 8.8



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: 19.67 ug/l

RT: 5.70 min Scan# 557

Delta R.T. -0.02 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

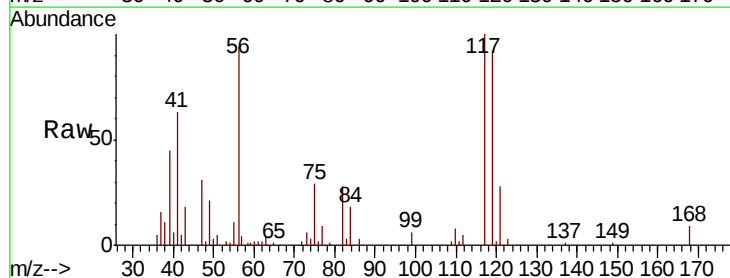
Tgt Ion: 117 Resp: 87956

Ion Ratio Lower Upper

117 100

119 92.1 75.7 113.5

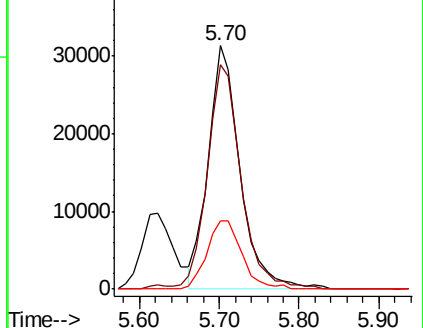
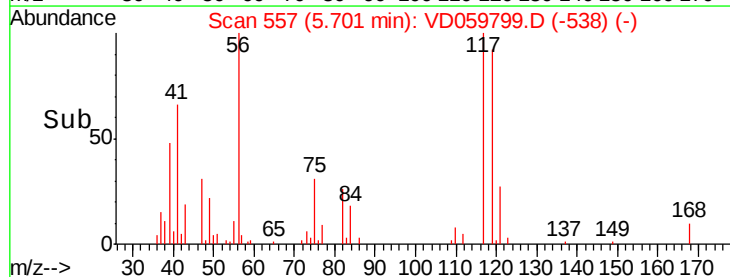
121 28.1 24.7 37.1

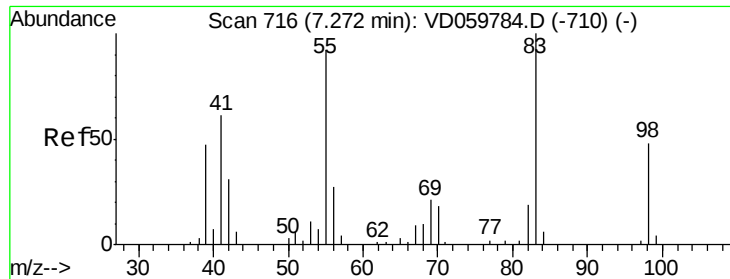


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

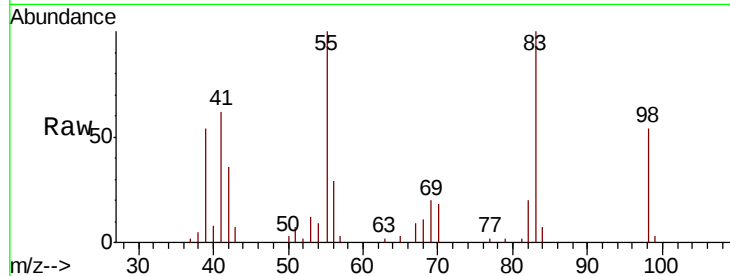




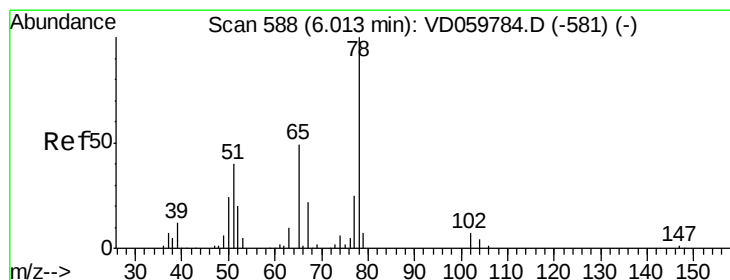
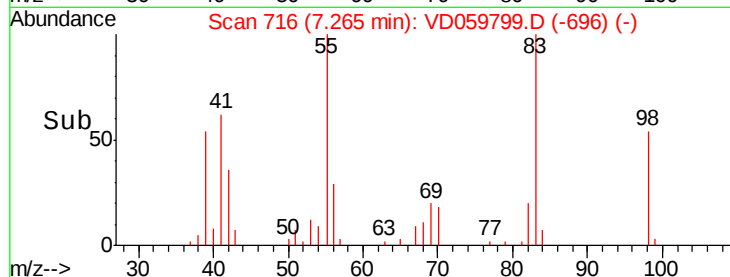
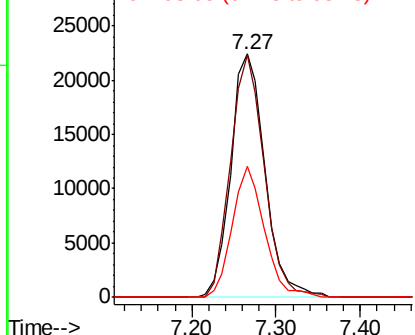
#39
Methvlcvclohexane
Concen: 19.70 ug/l
RT: 7.27 min Scan# 716
Delta R.T. -0.01 min
Lab File: VD059799.D
Acq: 15 Aug 2018 16:52

Instrument :
MSVOA_D
ClientSampleId :
VD0815SBS02

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

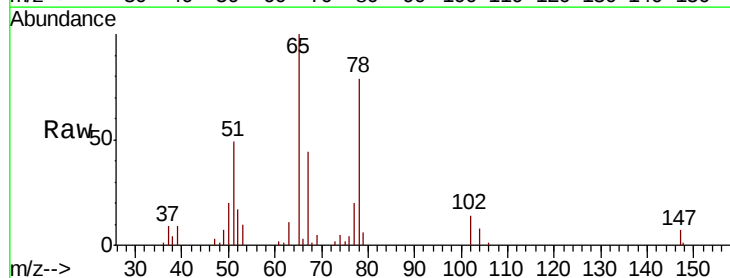


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

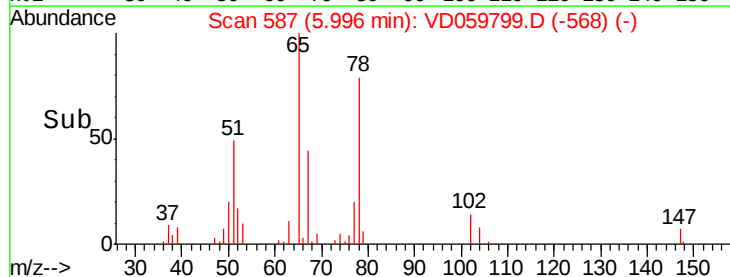
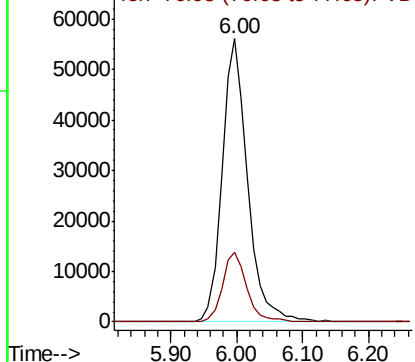


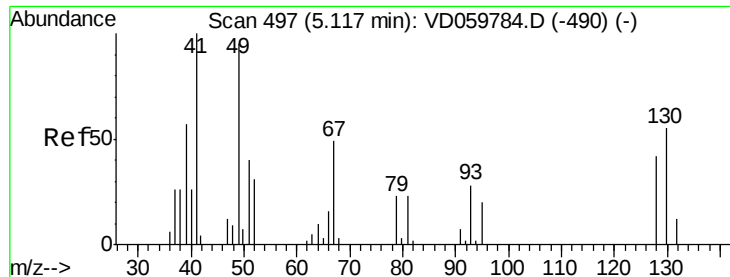
#40
Benzene
Concen: 19.16 ug/l
RT: 6.00 min Scan# 587
Delta R.T. -0.02 min
Lab File: VD059799.D
Acq: 15 Aug 2018 16:52

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



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 24.99 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 :

VD0815SBSD02

Tot Ion: 41 Resp: 22163

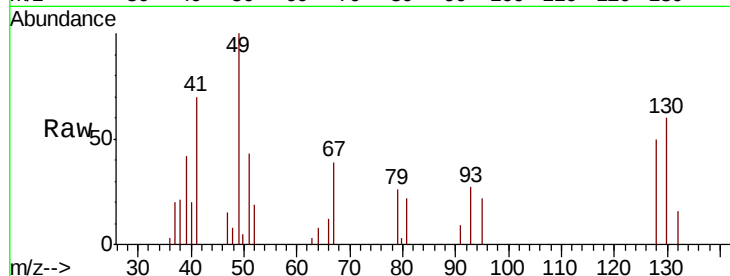
Ion Ratio Lower Upper

41 100

39 59.3 45.4 68.2

67 55.9 39.5 59.3

52 26.4 24.8 37.2

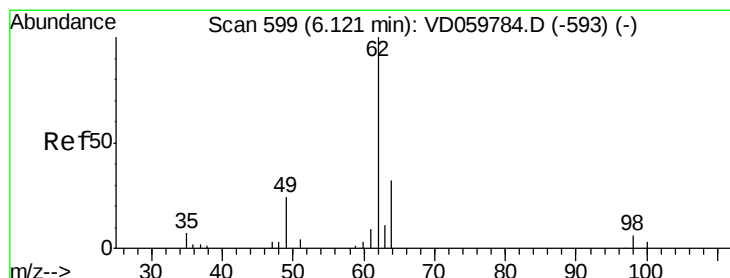
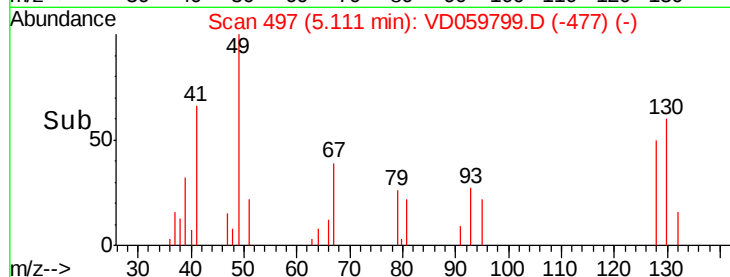
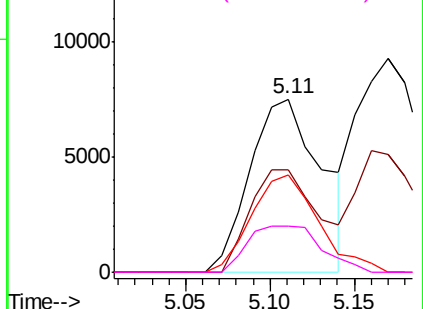


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 20.53 ug/l

RT: 6.10 min Scan# 598

Delta R.T. -0.02 min

Lab File: VD059799.D

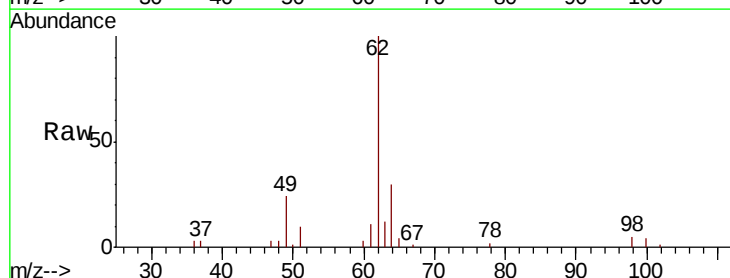
Acq: 15 Aug 2018 16:52

Tgt Ion: 62 Resp: 87355

Ion Ratio Lower Upper

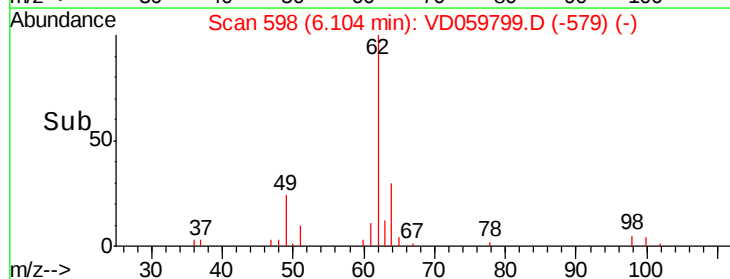
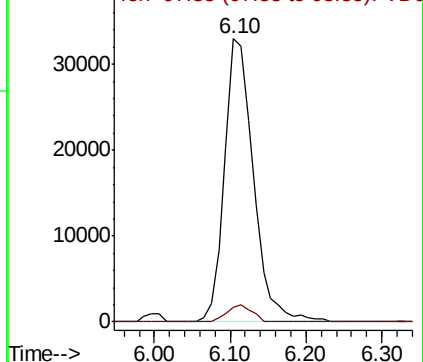
62 100

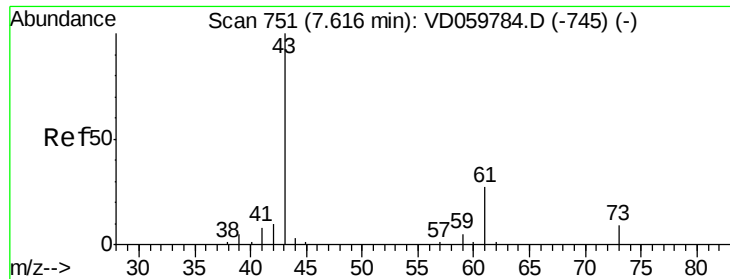
98 5.0 0.0 12.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 21.03 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 :

VD0815SBS02

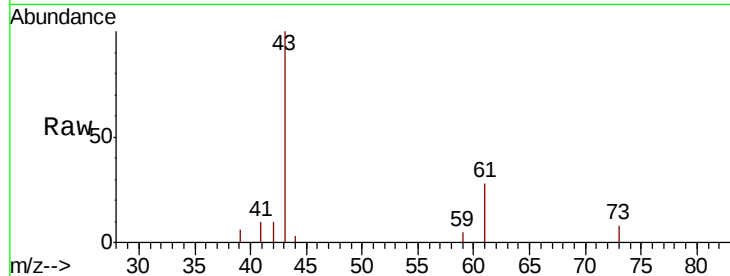
Tot Ion: 43 Resp: 49227

Ion Ratio Lower Upper

43 100

61 27.6 21.2 31.8

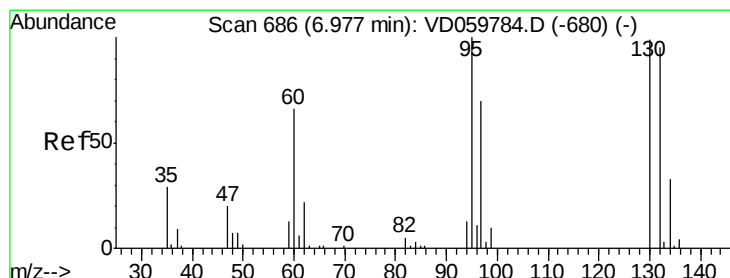
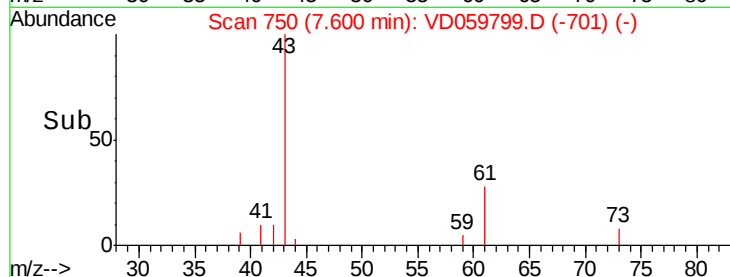
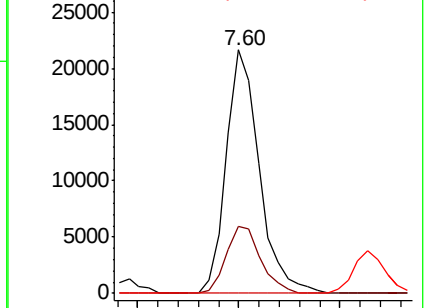
87 0.0 0.0 0.0



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: 19.29 ug/l

RT: 6.96 min Scan# 685

Delta R.T. -0.02 min

Lab File: VD059799.D

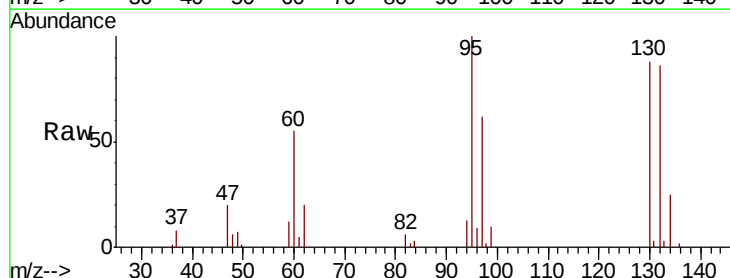
Acq: 15 Aug 2018 16:52

Tgt Ion:130 Resp: 51929

Ion Ratio Lower Upper

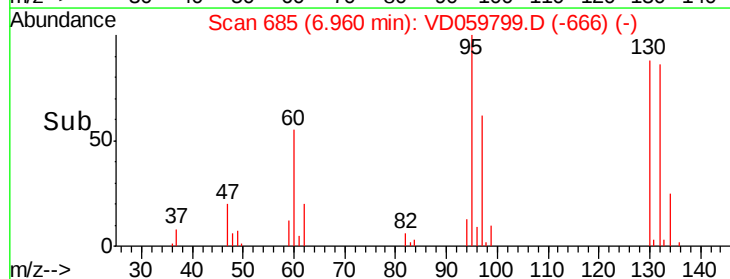
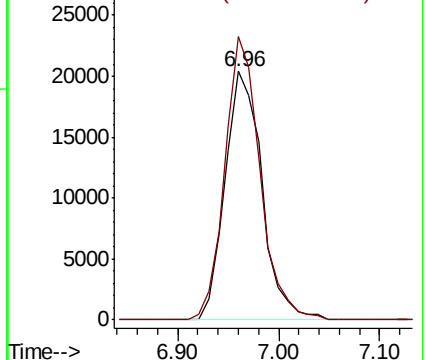
130 100

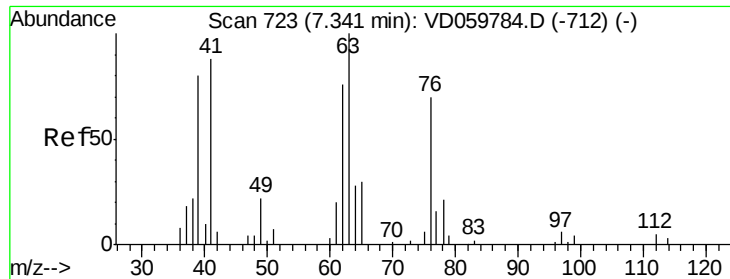
95 113.8 0.0 201.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.17 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

ClientSampleId :

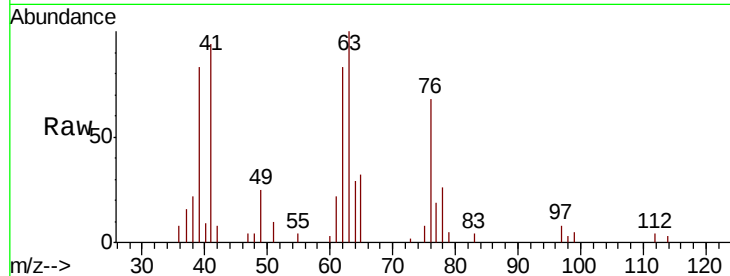
VD0815SBS02

Tot Ion: 63 Resp: 41208

Ion Ratio Lower Upper

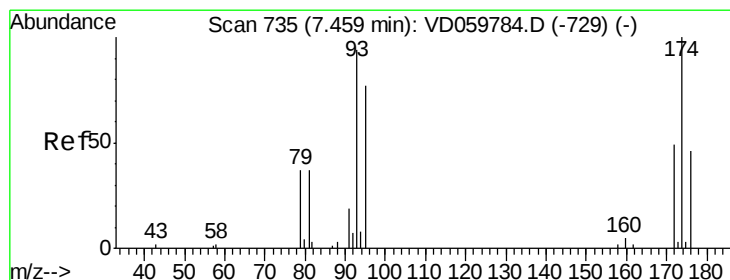
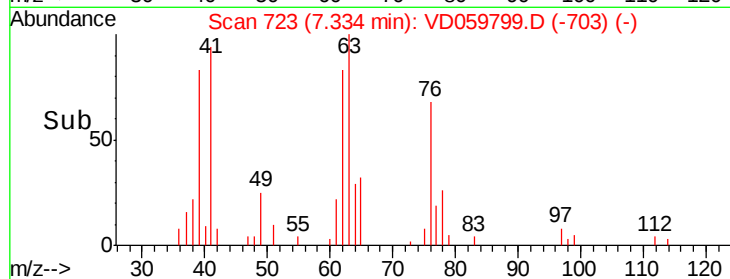
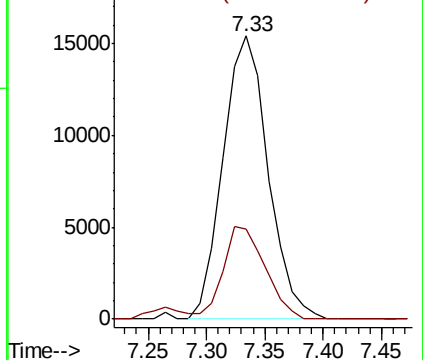
63 100

65 31.6 24.2 36.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 20.99 ug/l

RT: 7.44 min Scan# 734

Delta R.T. -0.02 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

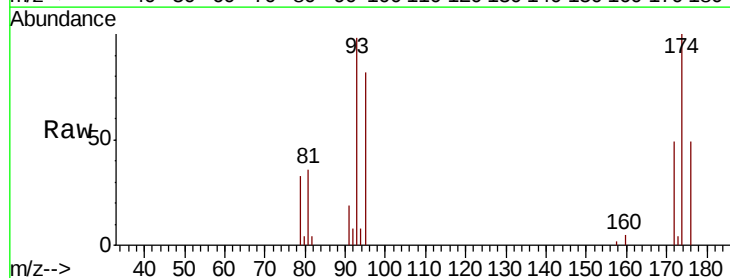
Tgt Ion: 93 Resp: 35073

Ion Ratio Lower Upper

93 100

95 83.4 66.2 99.4

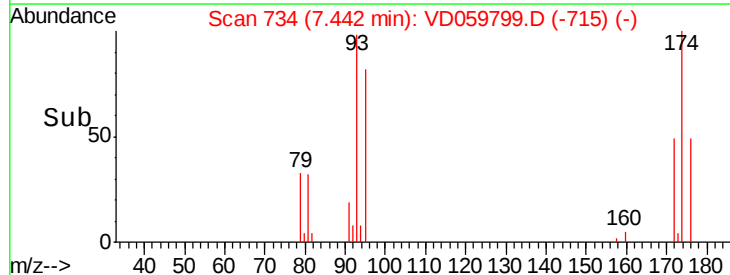
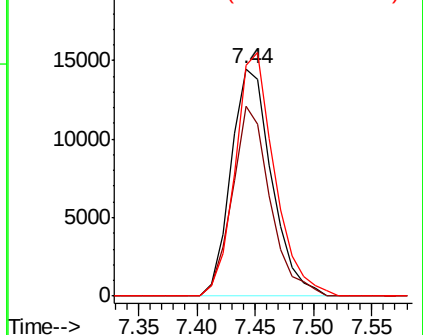
174 101.6 85.5 128.3

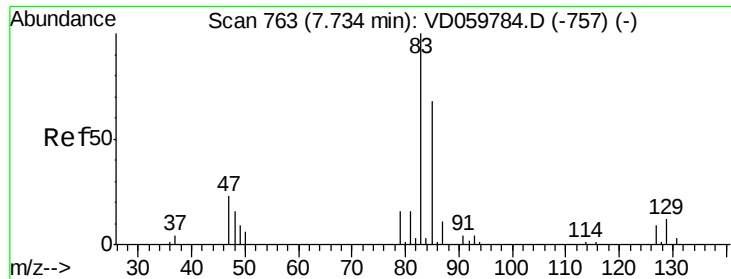


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 19.57 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 :

VD0815SBS02

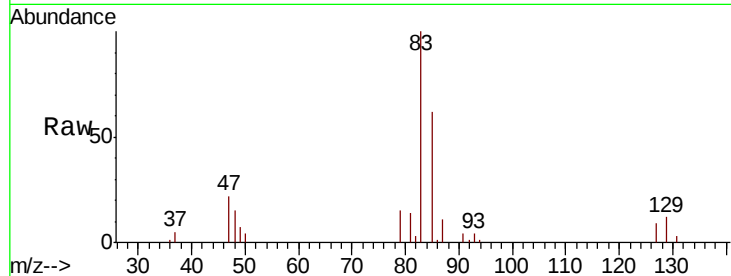
Tot Ion: 83 Resp: 80118

Ion Ratio Lower Upper

83 100

85 61.9 54.1 81.1

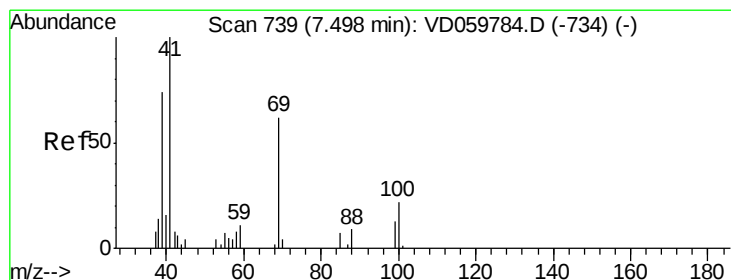
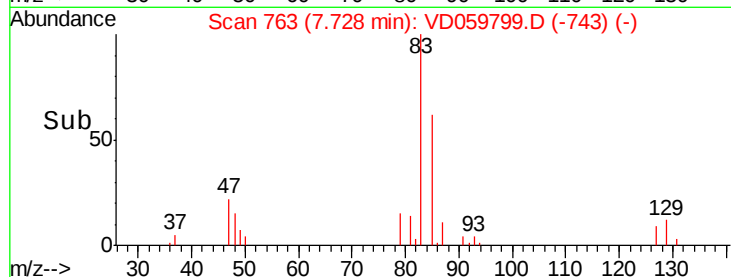
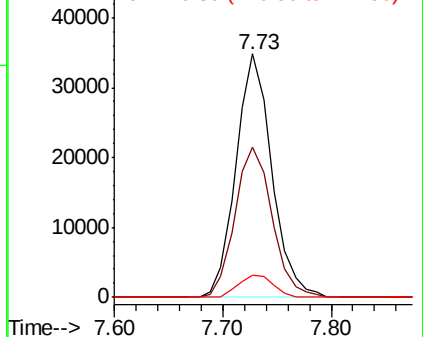
127 9.3 7.5 11.3



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: 21.43 ug/l

RT: 7.49 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

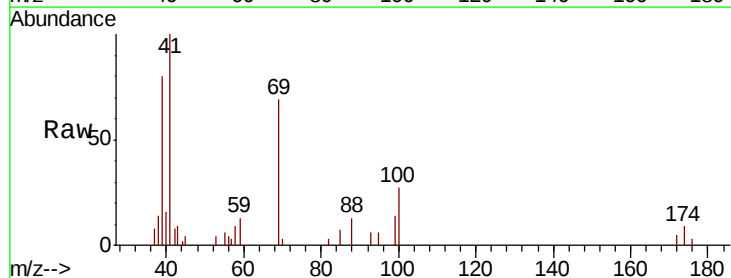
Tgt Ion: 41 Resp: 32729

Ion Ratio Lower Upper

41 100

69 68.7 49.8 74.8

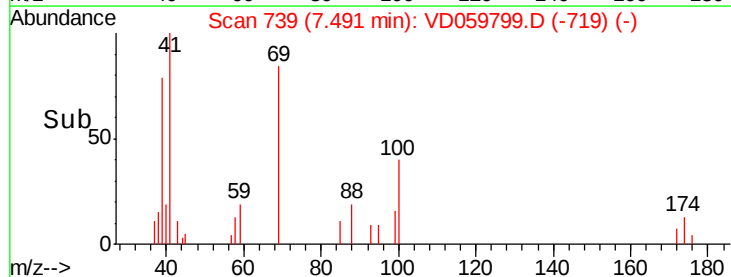
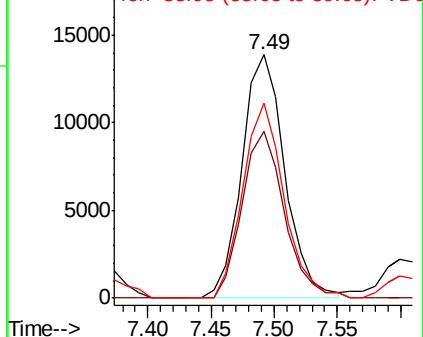
39 79.9 59.0 88.4

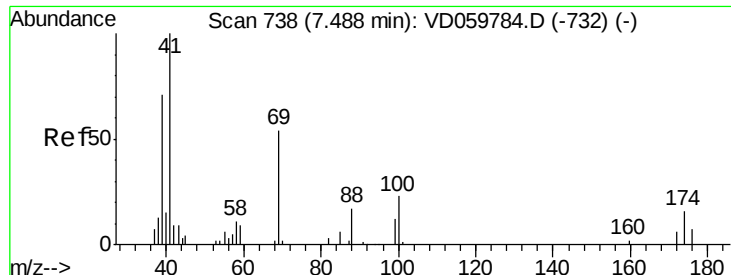


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

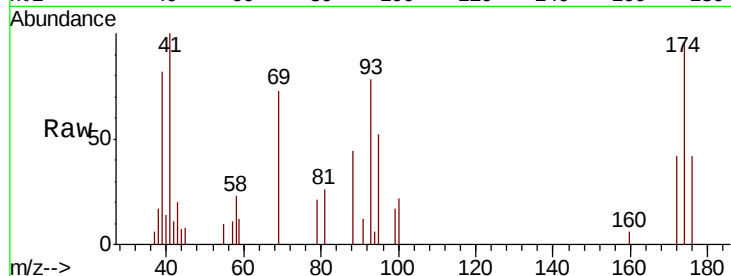




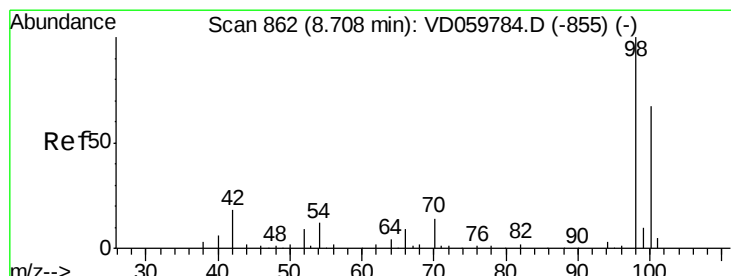
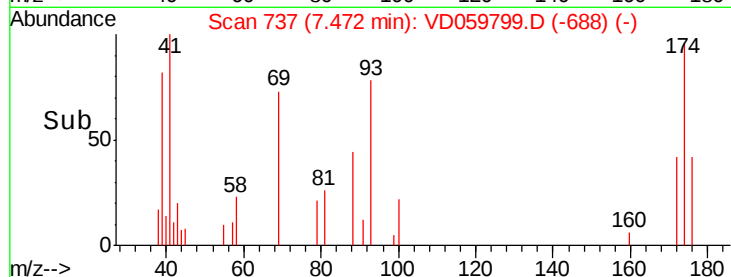
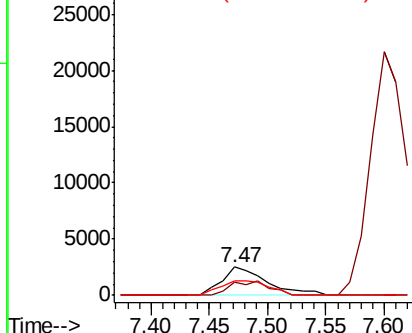
#49
1,4-Dioxane
Concen: 491.38 ug/l
RT: 7.47 min Scan# 737
Delta R.T. -0.02 min
Lab File: VD059799.D
Acq: 15 Aug 2018 16:52

Instrument :
MSVOA_D
ClientSampleId :
VD0815SBSD02

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

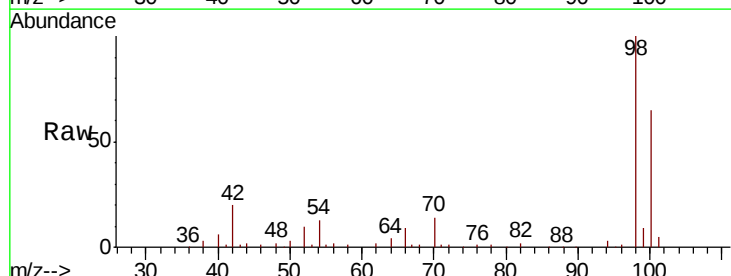


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

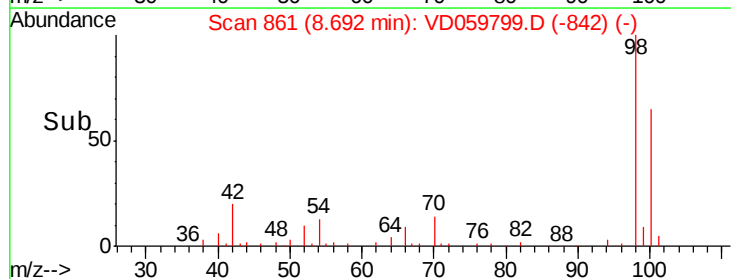
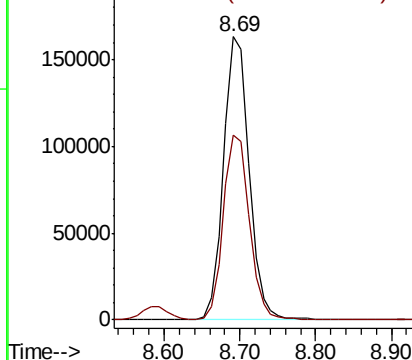


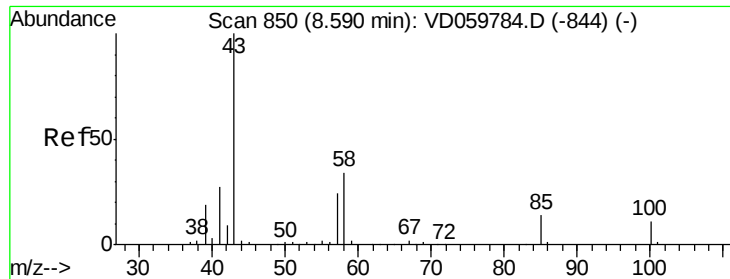
#50
Toluene-d8
Concen: 491.38 ug/l
RT: 8.69 min Scan# 861
Delta R.T. -0.02 min
Lab File: VD059799.D
Acq: 15 Aug 2018 16:52

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: 93.72 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 :

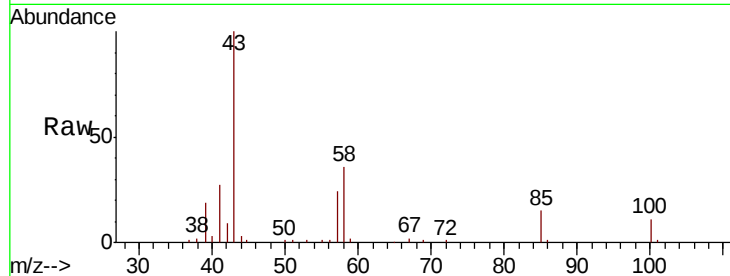
VD0815SBS02

Tot Ion: 43 Resp: 165840

Ion Ratio Lower Upper

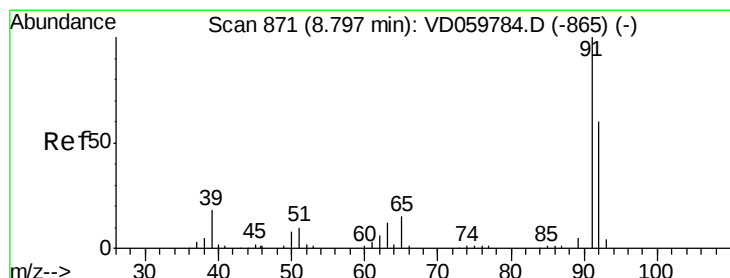
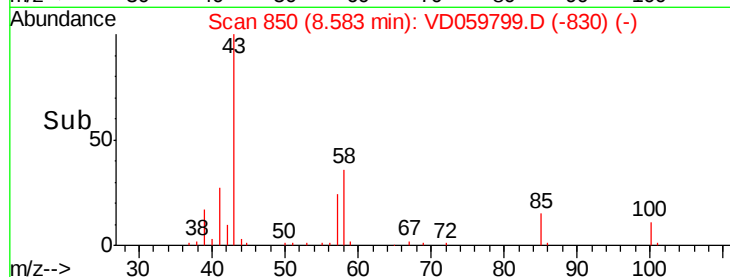
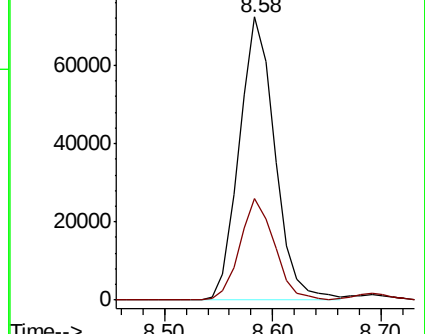
43 100

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



#52

Toluene

Concen: 19.90 ug/l

RT: 8.79 min Scan# 871

Delta R.T. -0.01 min

Lab File: VD059799.D

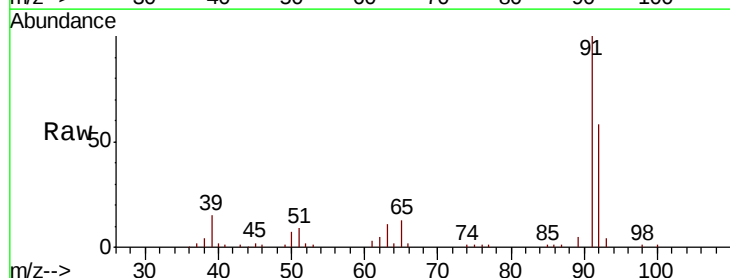
Acq: 15 Aug 2018 16:52

Tgt Ion: 92 Resp: 100235

Ion Ratio Lower Upper

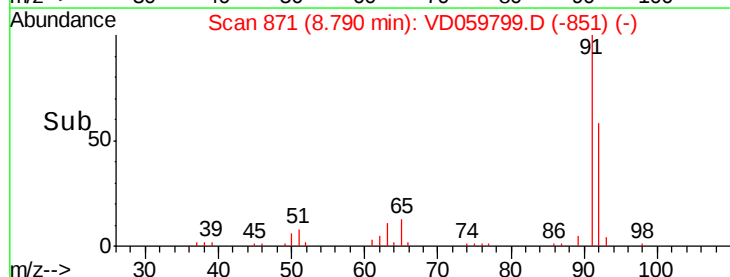
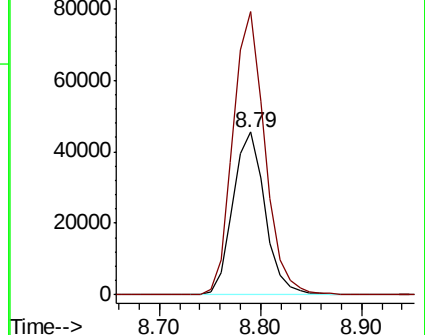
92 100

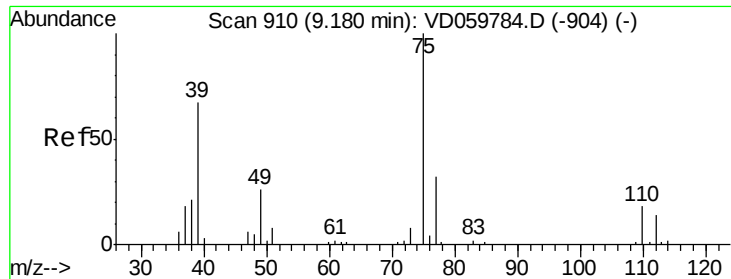
91 173.7 133.1 199.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 20.74 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 :

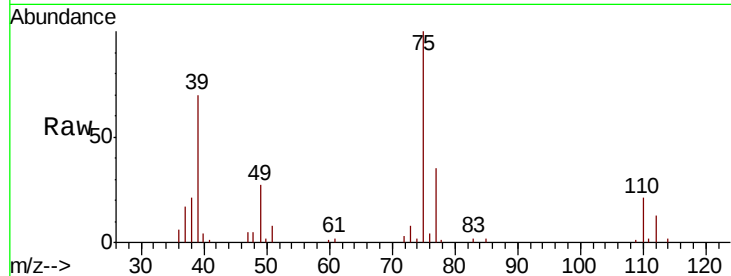
VD0815SBS02

Tot Ion: 75 Resp: 70403

Ion Ratio Lower Upper

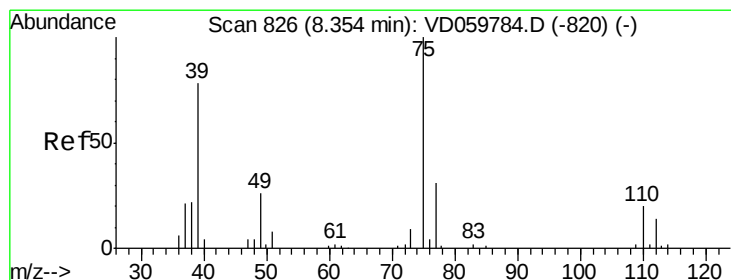
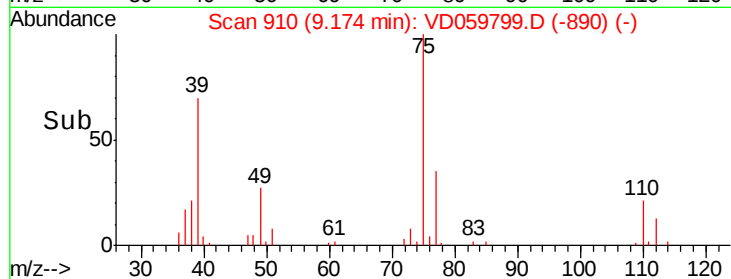
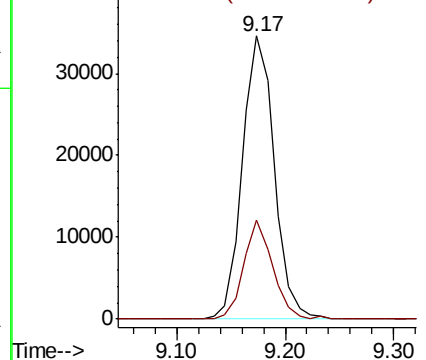
75 100

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: 20.27 ug/l

RT: 8.35 min Scan# 826

Delta R.T. -0.01 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

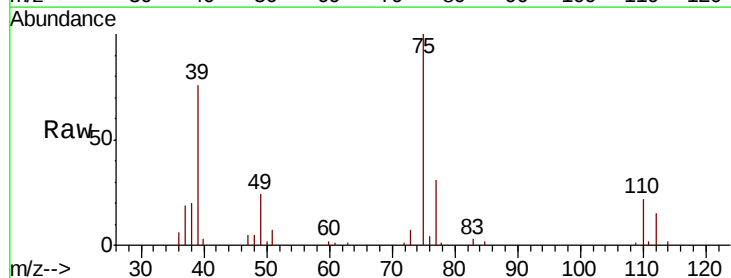
Tgt Ion: 75 Resp: 74355

Ion Ratio Lower Upper

75 100

77 30.6 24.8 37.2

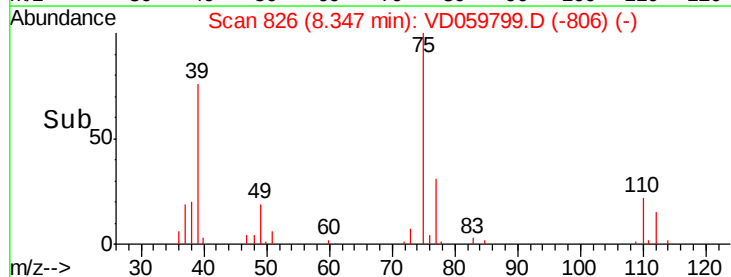
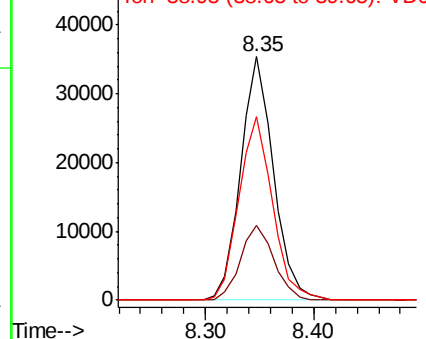
39 75.5 62.5 93.7

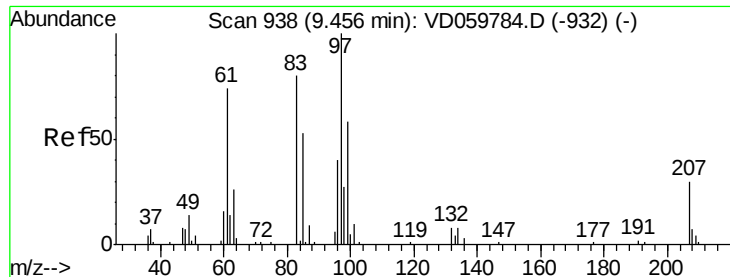


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 20.34 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 :

VD0815SBS02

Tot Ion: 97 Resp: 37818

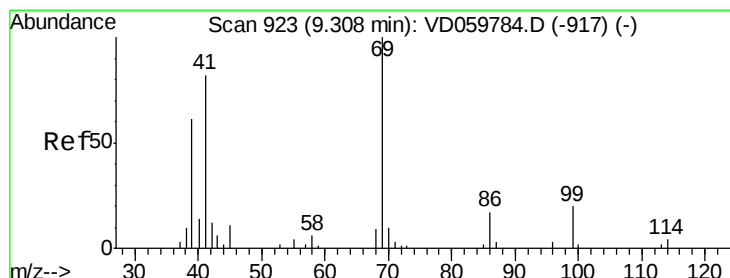
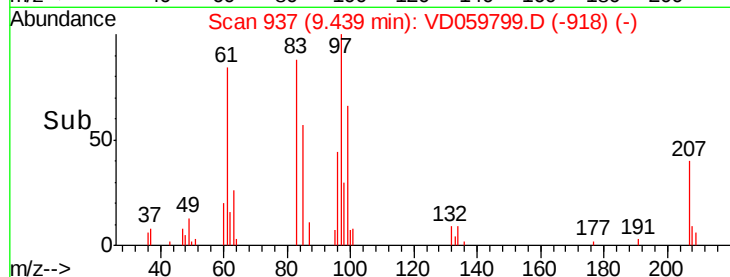
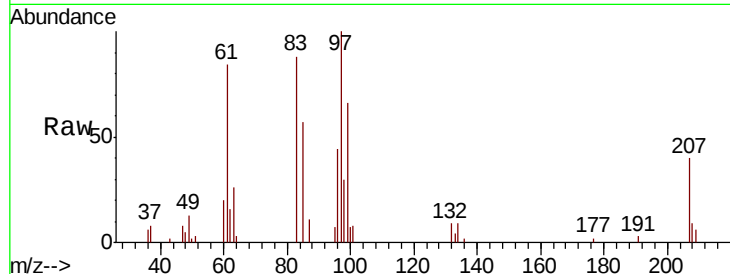
Ion Ratio Lower Upper

97 100

83 88.5 63.8 95.8

85 56.9 42.5 63.7

99 65.6 46.2 69.4



#56

Ethyl methacrylate

Concen: 21.68 ug/l

RT: 9.30 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

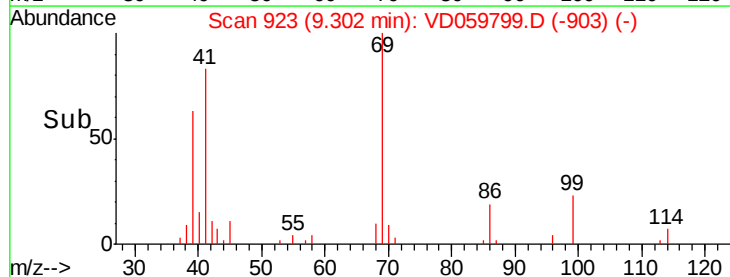
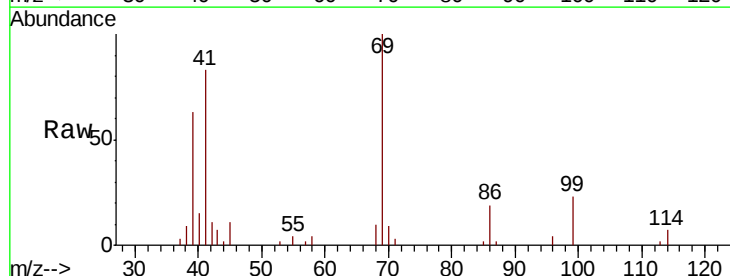
Tgt Ion: 69 Resp: 43644

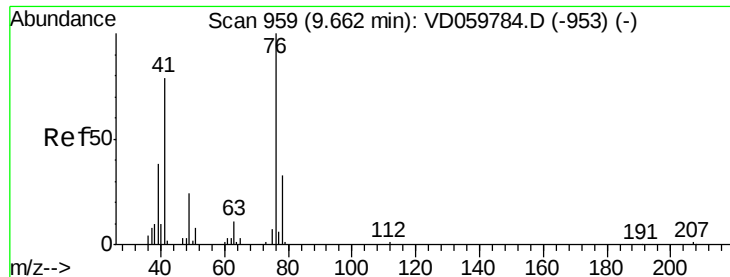
Ion Ratio Lower Upper

69 100

41 82.7 65.8 98.8

39 62.6 49.7 74.5





#57

1,3-Dichloropropane

Concen: 20.40 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 :

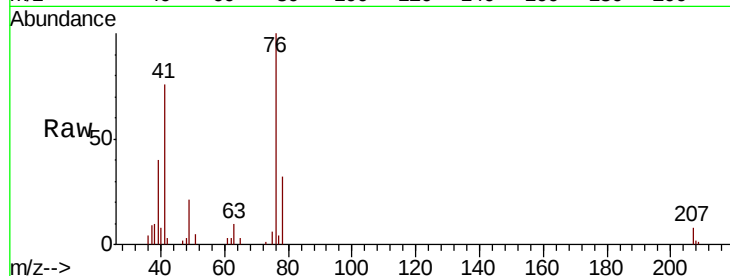
VD0815SBS02

Tot Ion: 76 Resp: 59408

Ion Ratio Lower Upper

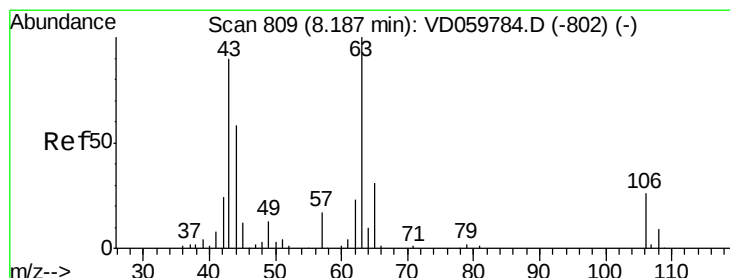
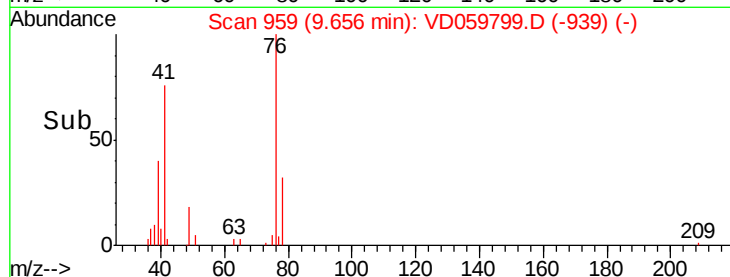
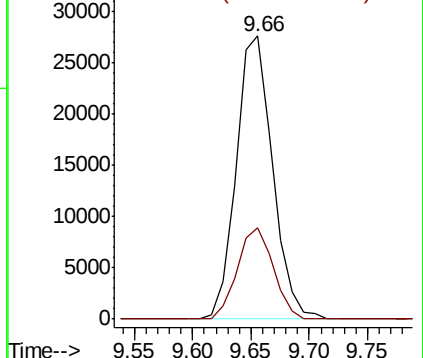
76 100

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: 113.93 ug/l

RT: 8.17 min Scan# 808

Delta R.T. -0.02 min

Lab File: VD059799.D

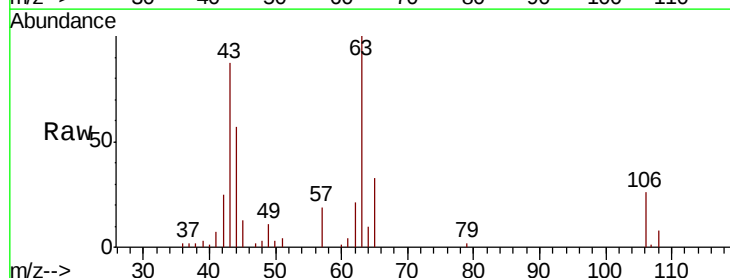
Acq: 15 Aug 2018 16:52

Tgt Ion: 63 Resp: 113382

Ion Ratio Lower Upper

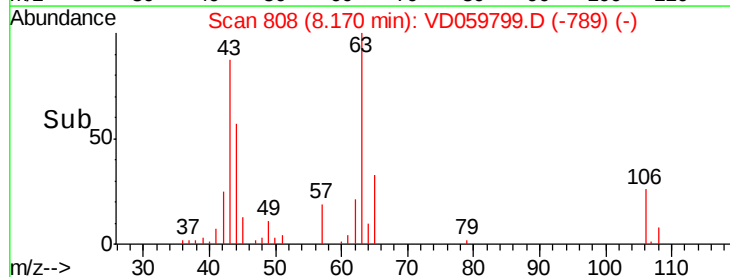
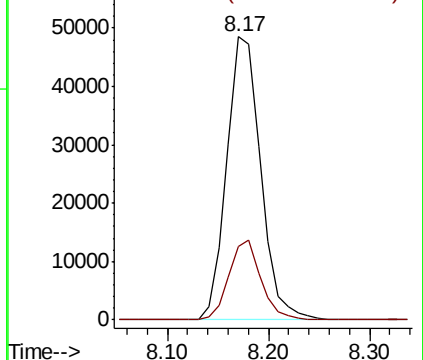
63 100

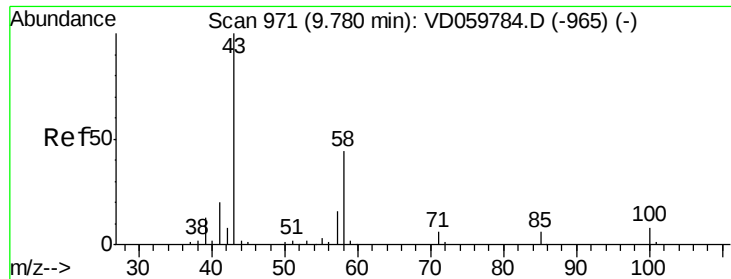
106 26.0 21.1 31.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

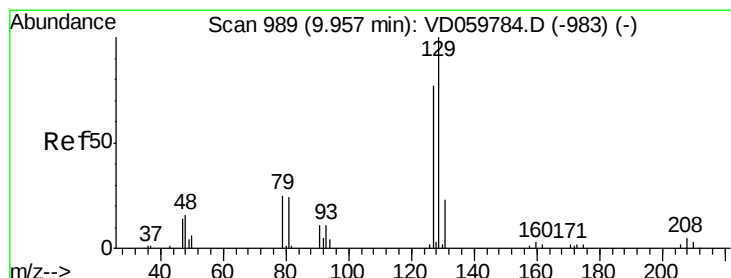
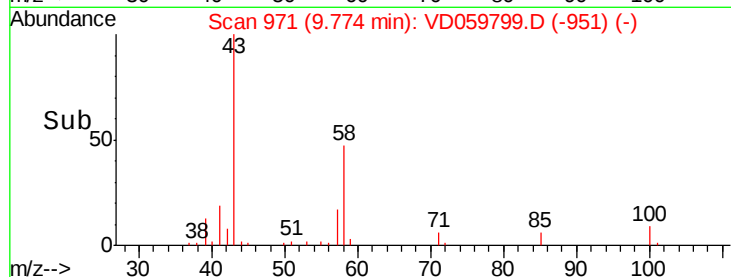
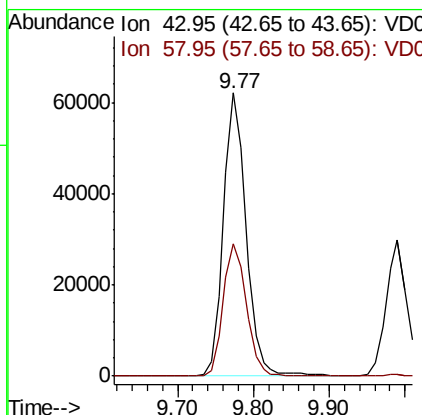
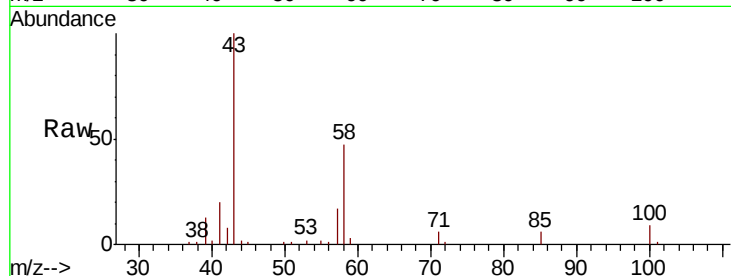




#59
2-Hexanone
Concen: 101.94 ug/l
RT: 9.77 min Scan# 971
Delta R.T. -0.01 min
Lab File: VD059799.D
Acq: 15 Aug 2018 16:52

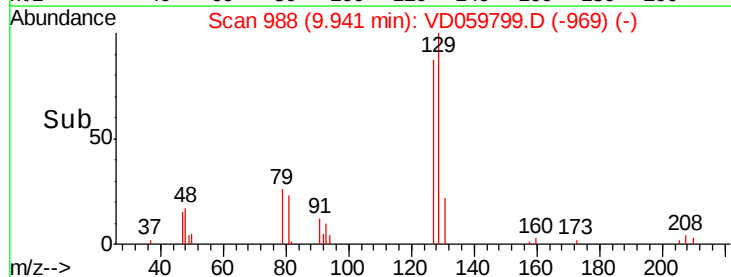
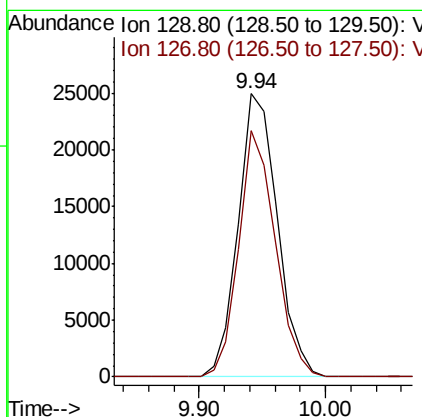
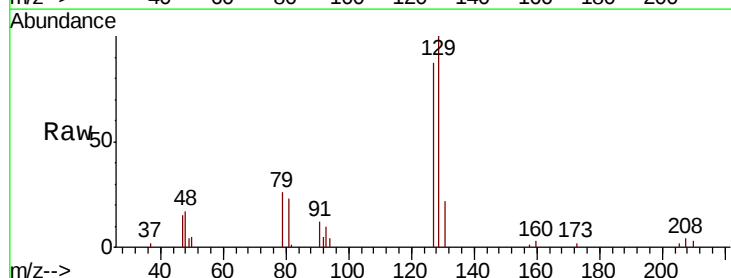
Instrument :
MSVOA_D
ClientSampleId :
VD0815SBSD02

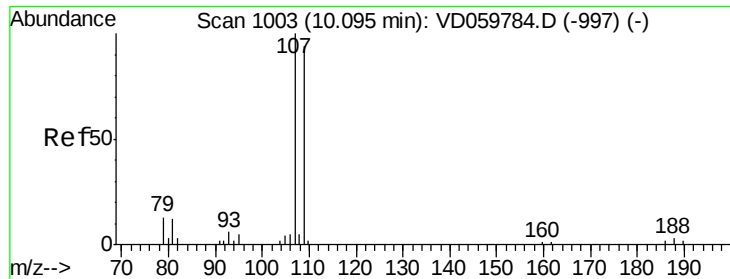
Tot Ion: 43 Resp: 129340
Ion Ratio Lower Upper
43 100
58 46.8 22.3 66.8



#60
Dibromochloromethane
Concen: 19.91 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





#61

1,2-Dibromoethane

Concen: 21.16 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 :

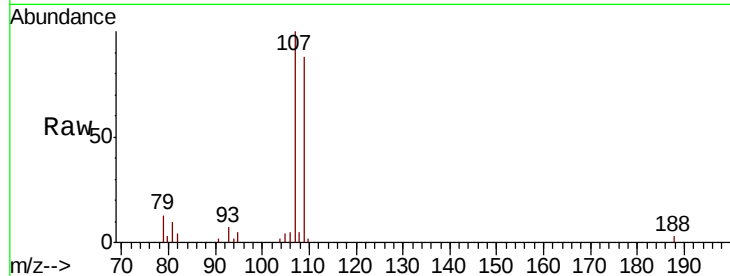
VD0815SBSD02

Tot Ion:107 Resp: 43585

Ion Ratio Lower Upper

107 100

109 88.0 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.08

25000

20000

15000

10000

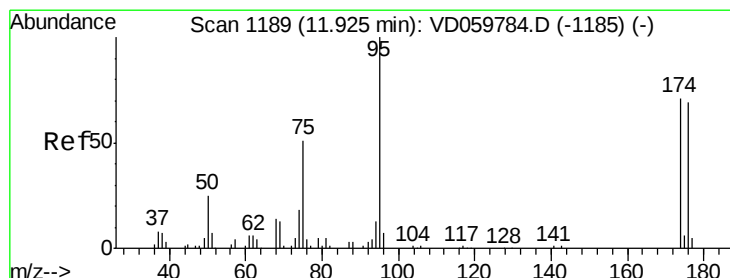
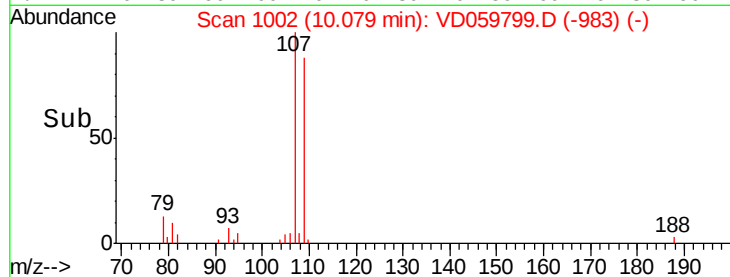
5000

0

Time-->

10.00

10.10



#62

4-Bromofluorobenzene

Concen: 21.16 ug/l

RT: 11.93 min Scan# 1190

Delta R.T. 0.00 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

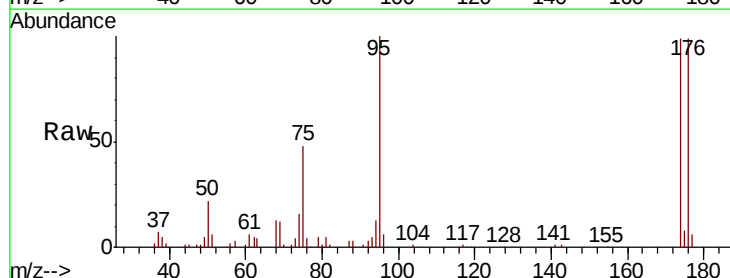
Tgt Ion: 95 Resp: 166816

Ion Ratio Lower Upper

95 100

174 98.9 0.0 142.2

176 99.1 0.0 137.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

11.93

150000

100000

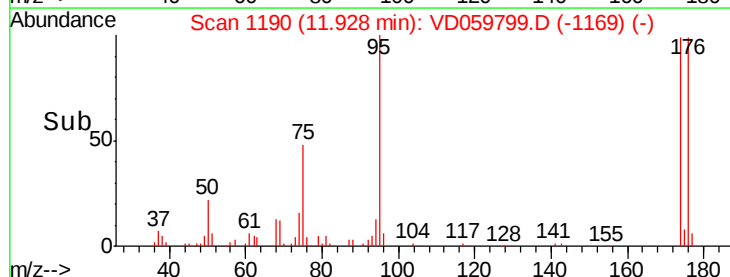
50000

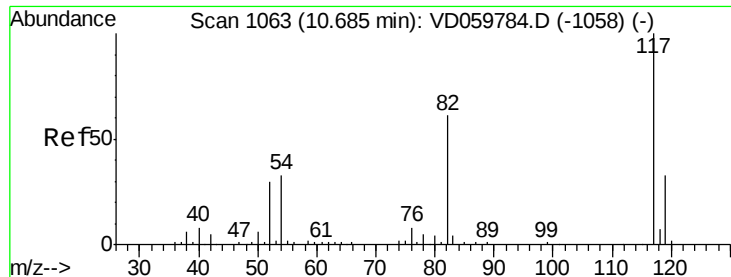
0

Time-->

11.90

12.00

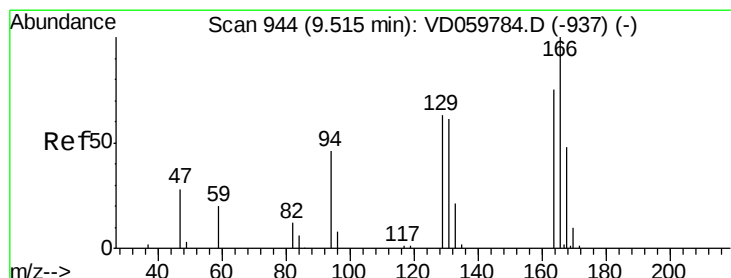
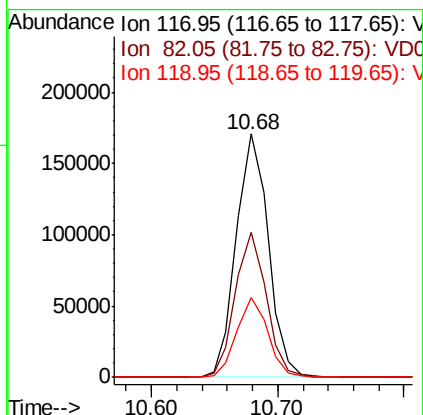
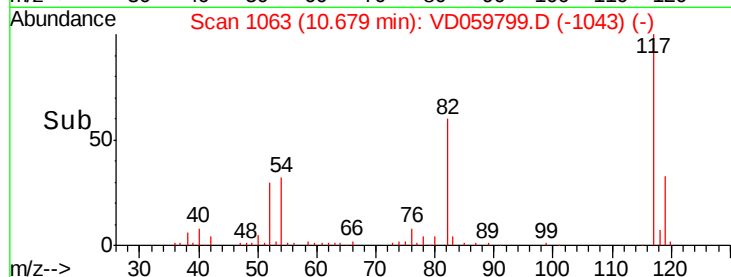
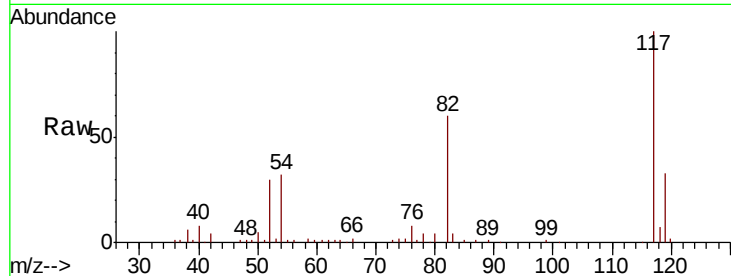




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1063
Delta R.T. -0.01 min
Lab File: VD059799.D
Acq: 15 Aug 2018 16:52

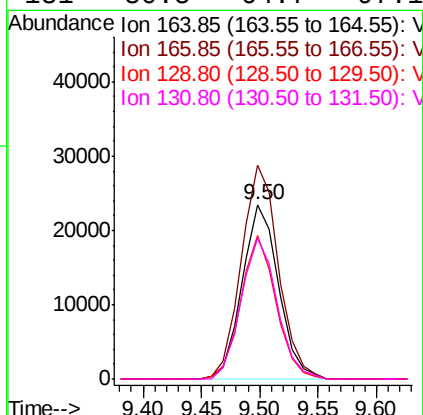
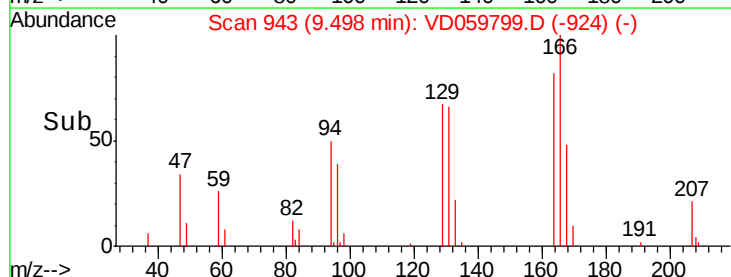
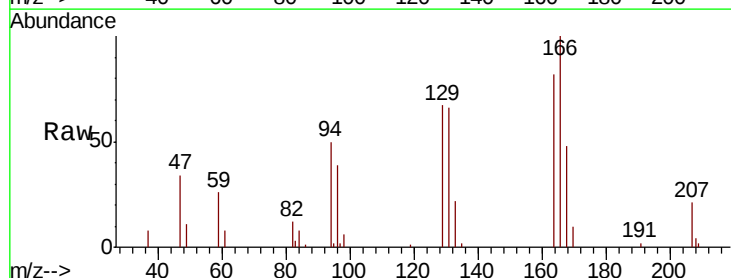
Instrument :
MSVOA_D
ClientSampleId :
VD0815SBS02

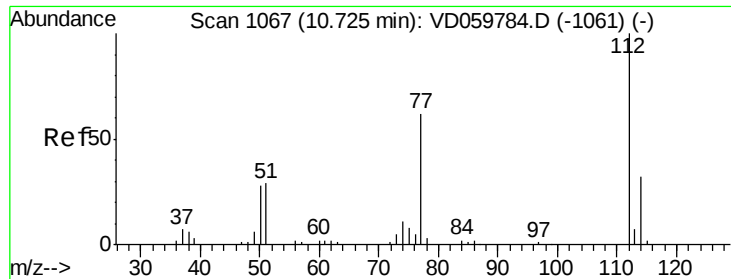
Tot Ion:117 Resp: 300684
Ion Ratio Lower Upper
117 100
82 59.7 49.0 73.6
119 33.0 26.2 39.2



#64
Tetrachloroethene
Concen: 19.59 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

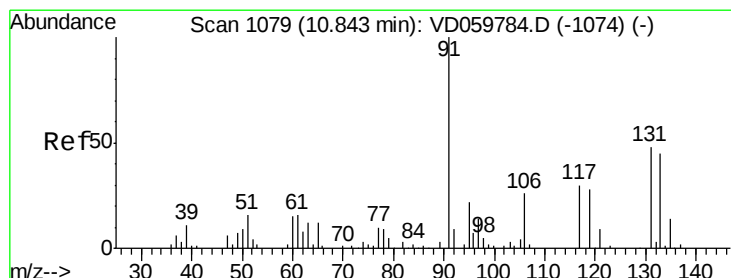
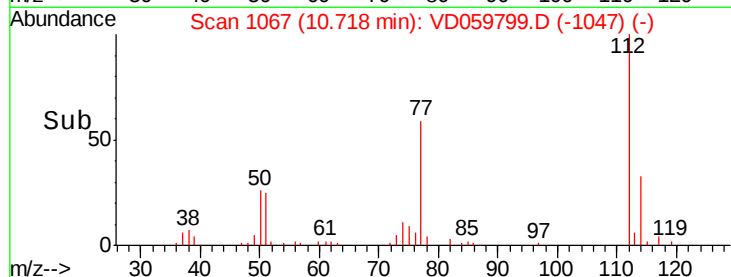
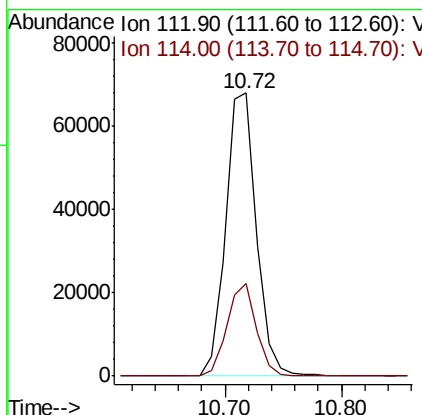
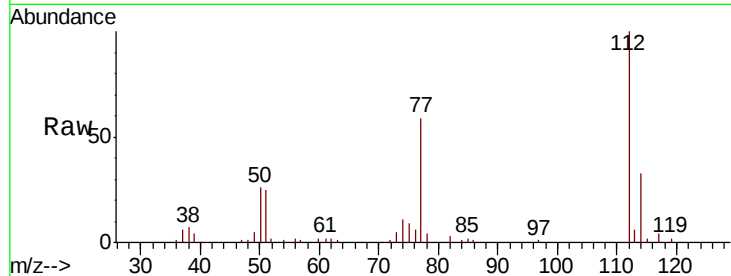




#65
Chlorobenzene
Concen: 20.24 ug/l
RT: 10.72 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VD059799.D
Acq: 15 Aug 2018 16:52

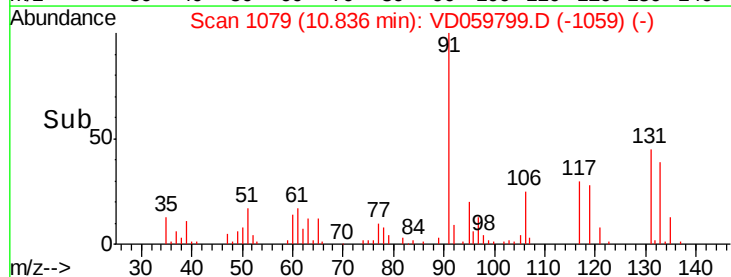
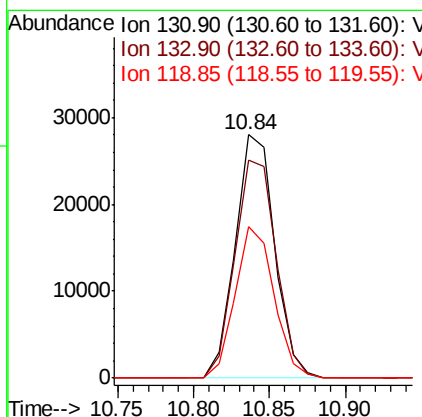
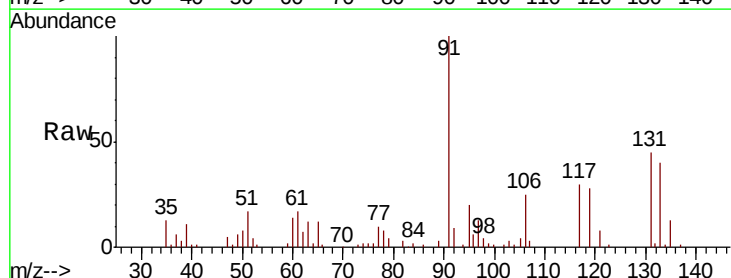
Instrument :
MSVOA_D
ClientSampleId :
VD0815SBS02

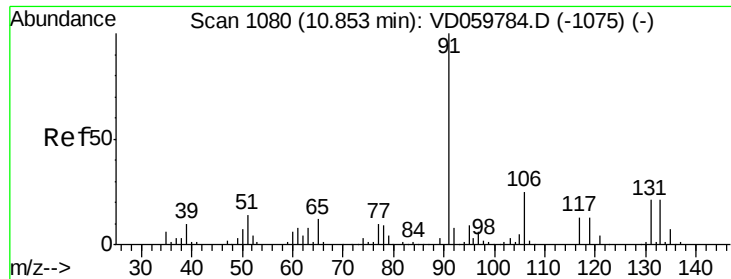
Tot Ion:112 Resp: 123248
Ion Ratio Lower Upper
112 100
114 32.8 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.70 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

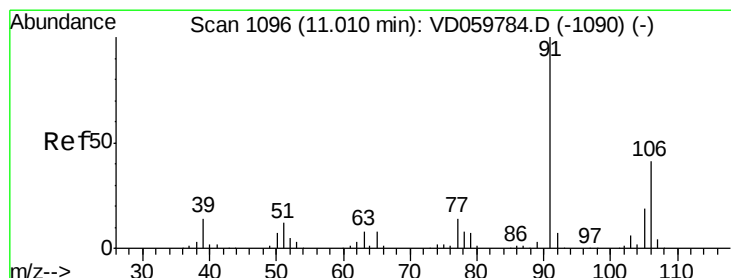
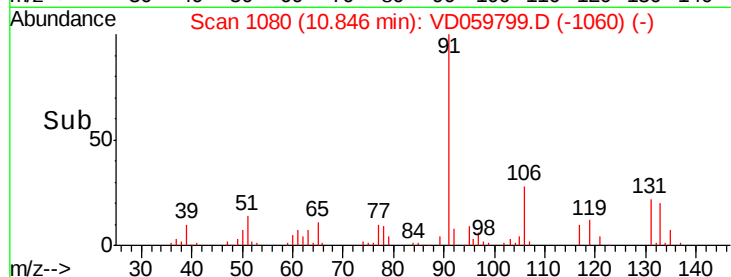
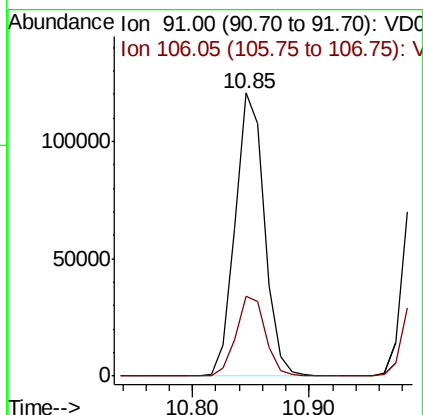
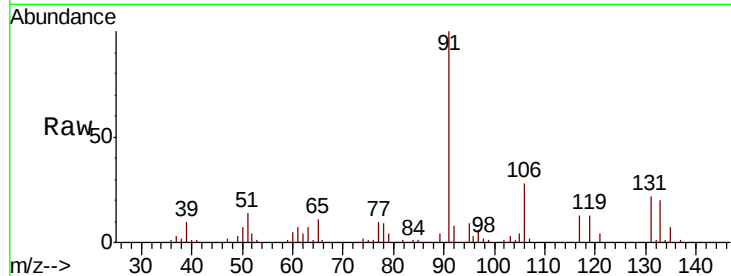




#67
Ethyl Benzene
Concen: 19.97 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. -0.01 min
Lab File: VD059799.D
Acq: 15 Aug 2018 16:52

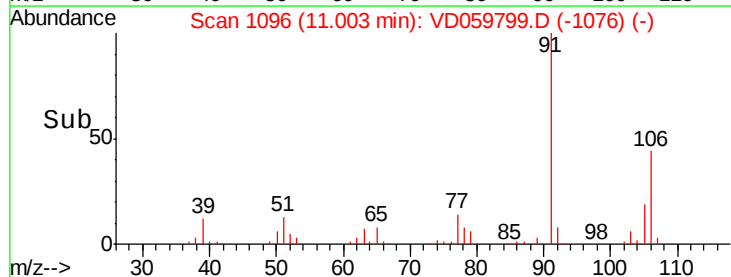
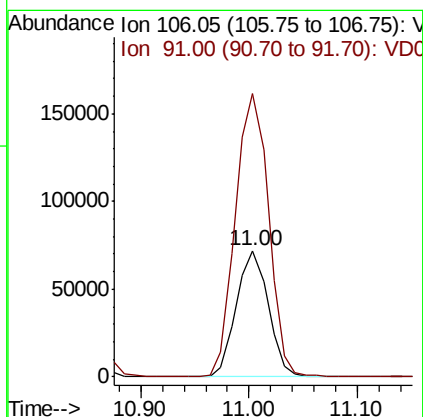
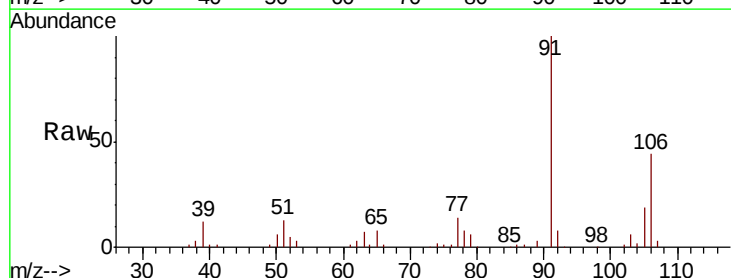
Instrument :
MSVOA_D
ClientSampleId :
VD0815SBS02

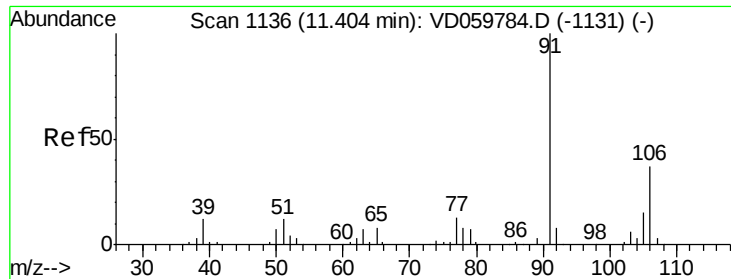
Tot Ion: 91 Resp: 209335
Ion Ratio Lower Upper
91 100
106 28.0 20.1 30.1



#68
m/p-Xylenes
Concen: 41.88 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

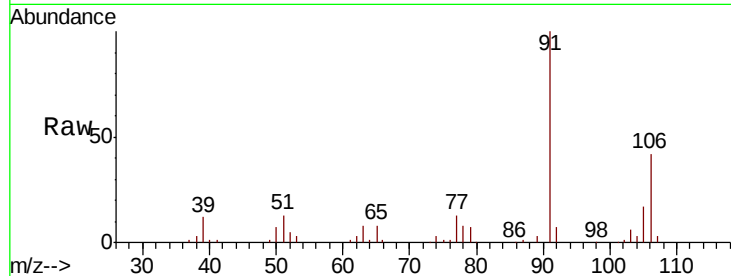




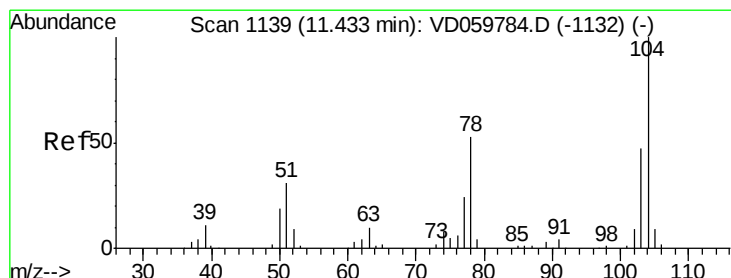
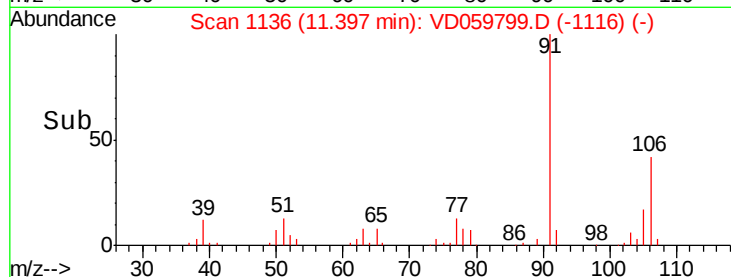
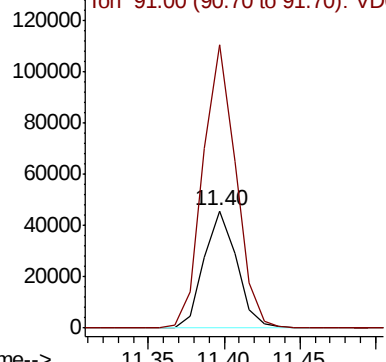
#69
o-Xylene
Concen: 20.22 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. -0.01 min
Lab File: VD059799.D
Acq: 15 Aug 2018 16:52

Instrument :
MSVOA_D
ClientSampleId :
VD0815SBSD02

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

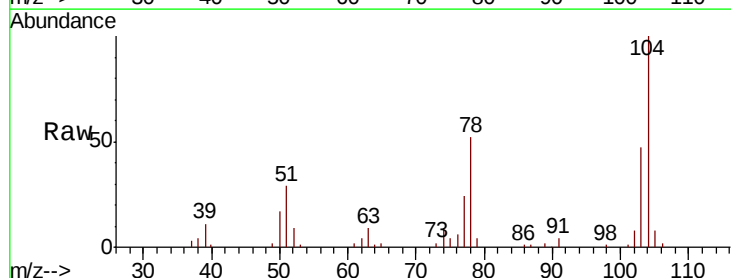


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

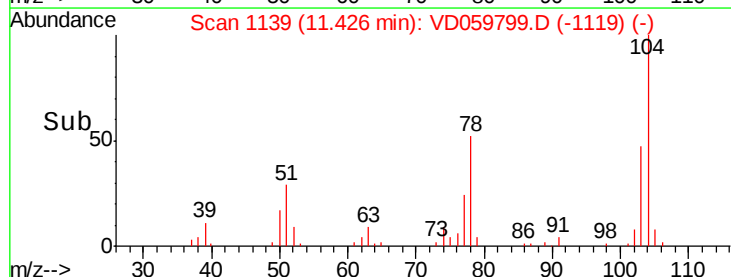
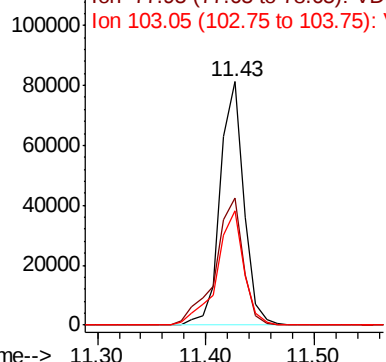


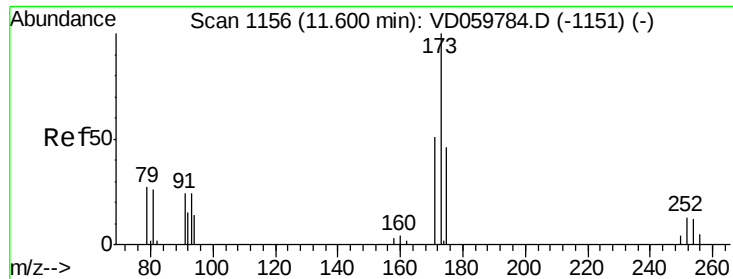
#70
Styrene
Concen: 20.34 ug/l
RT: 11.43 min Scan# 1139
Delta R.T. -0.01 min
Lab File: VD059799.D
Acq: 15 Aug 2018 16:52

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

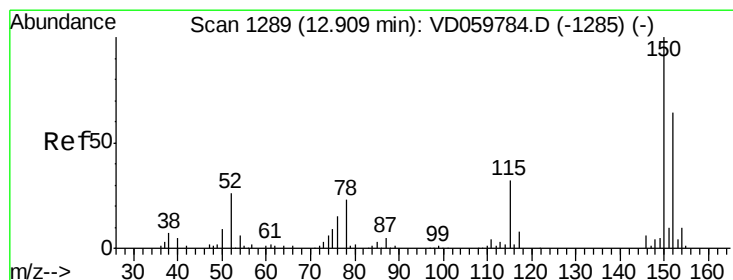
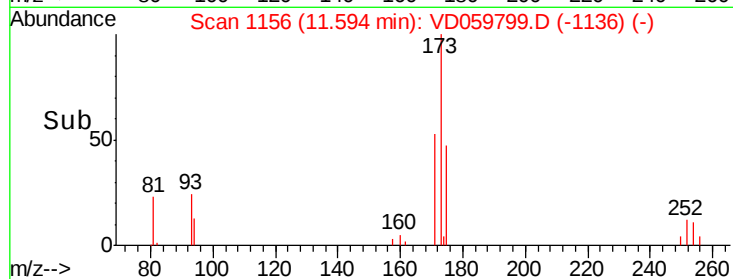
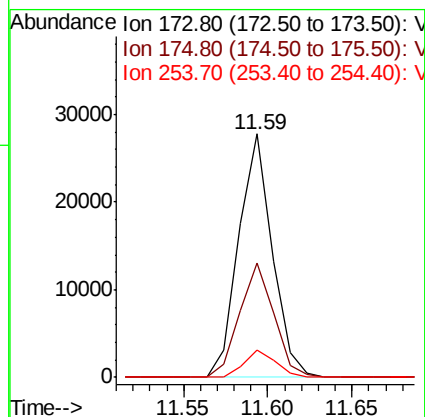
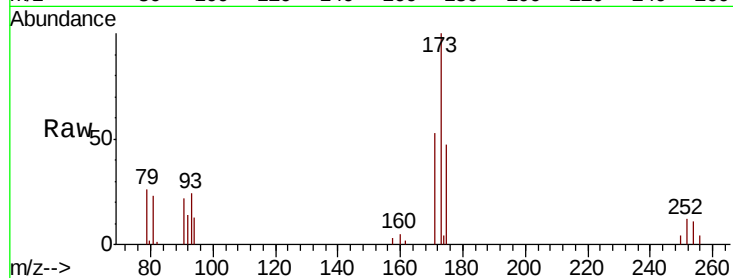




#71
Bromoform
Concen: 21.54 ug/l
RT: 11.59 min Scan# 1156
Delta R.T. -0.01 min
Lab File: VD059799.D
Acq: 15 Aug 2018 16:52

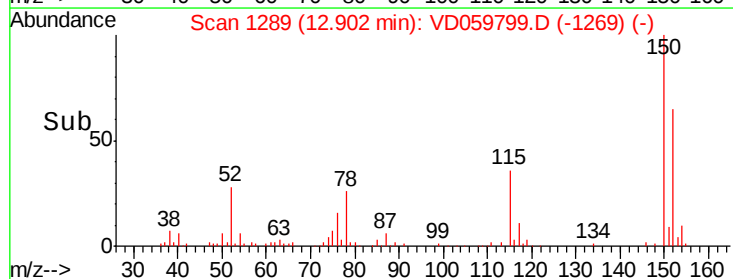
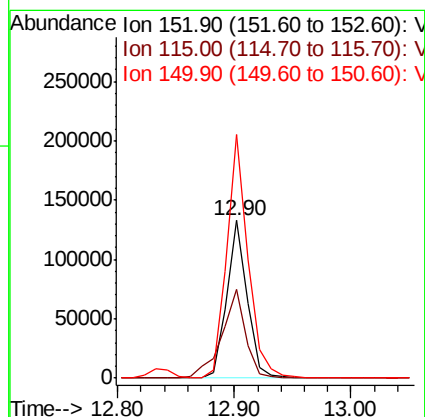
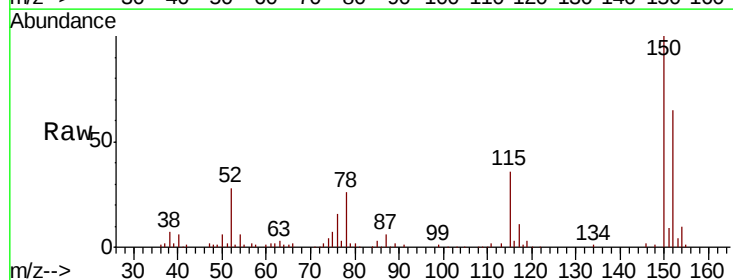
Instrument :
MSVOA_D
ClientSampleId :
VD0815SBS02

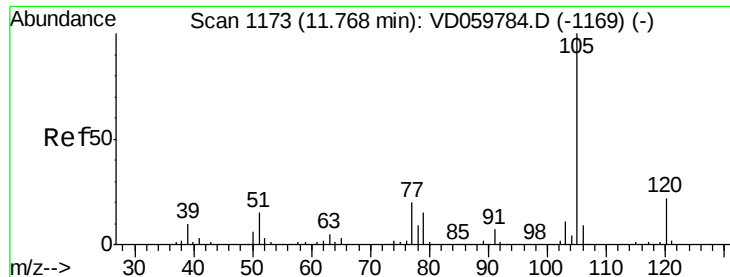
Tot Ion:173 Resp: 38421
Ion Ratio Lower Upper
173 100
175 46.8 23.1 69.2
254 11.4 9.7 14.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 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





#73

Isopropylbenzene

Concen: 20.35 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

ClientSampleId :

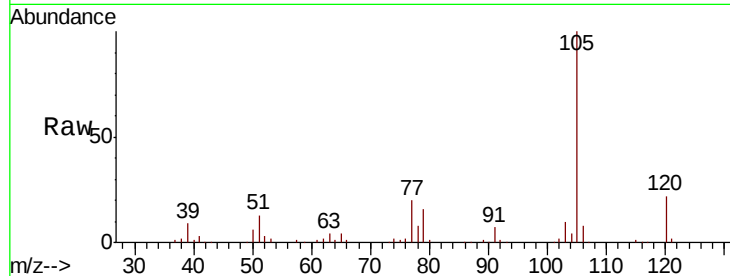
VD0815SBSD02

Tot Ion:105 Resp: 206720

Ion Ratio Lower Upper

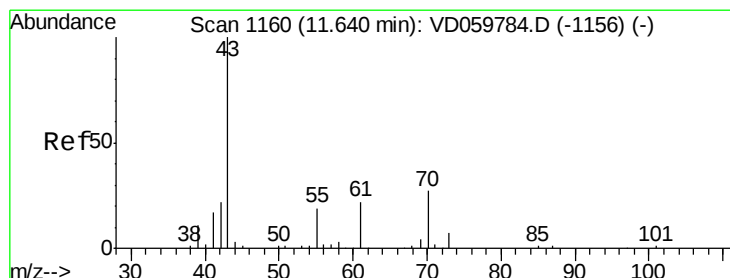
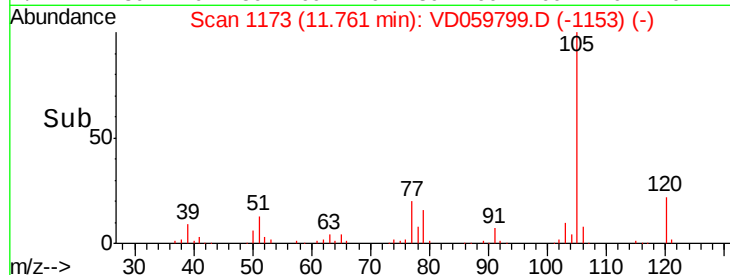
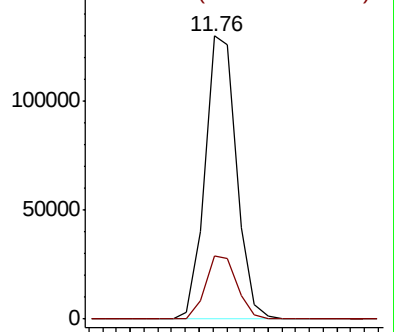
105 100

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



#74

N-ethyl acetate

Concen: 23.25 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

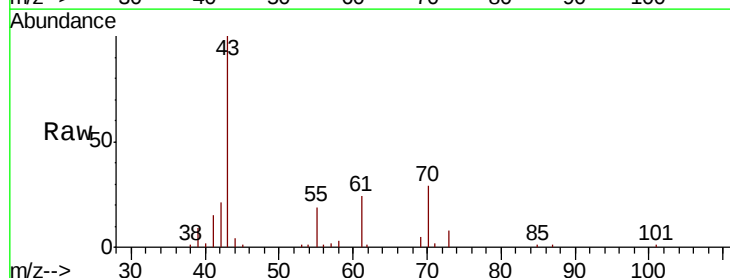
Ion Ratio Lower Upper

43 100

70 28.9 21.8 32.6

55 18.7 15.1 22.7

61 24.1 18.0 27.0

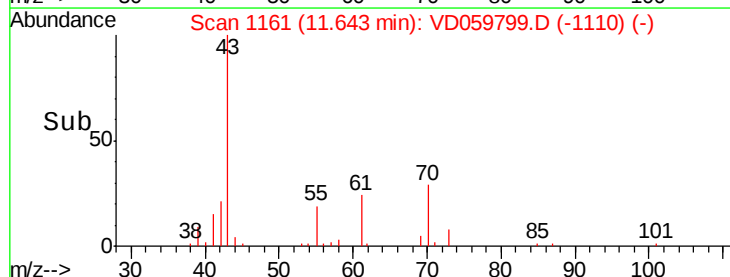
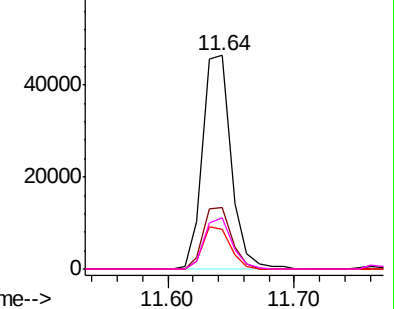


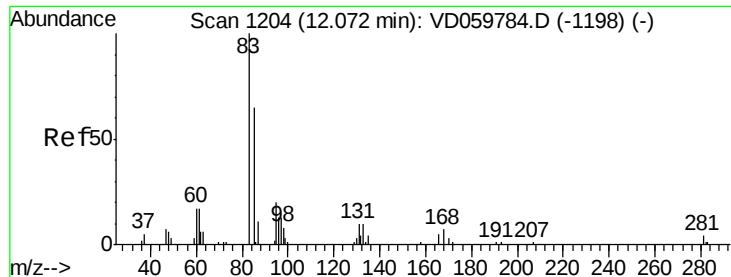
Abundance Ion 42.95 (42.65 to 43.65): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 21.76 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 :

VD0815SBS02

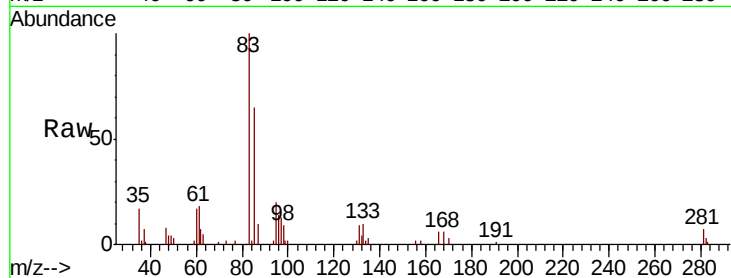
Tot Ion: 83 Resp: 44890

Ion	Ratio	Lower	Upper
83	100		
131	8.9	5.0	15.0
85	64.7	32.8	98.3

83 100

131 8.9 5.0 15.0

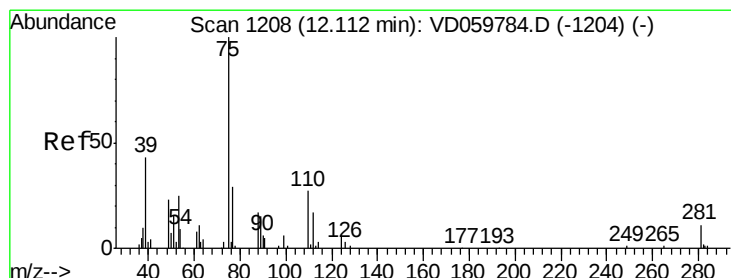
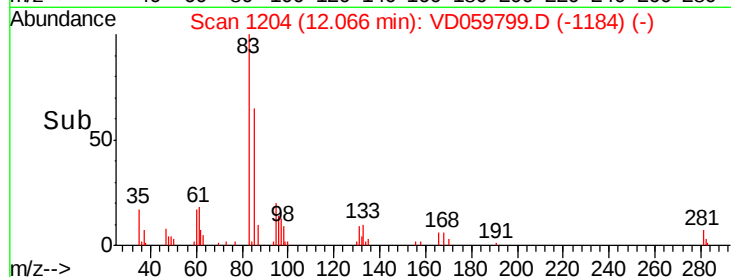
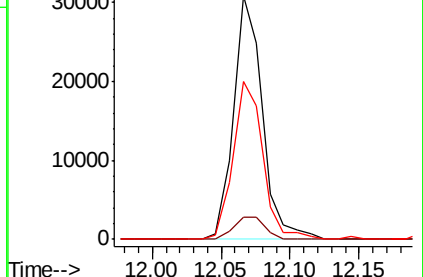
85 64.7 32.8 98.3



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: 21.54 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VD059799.D

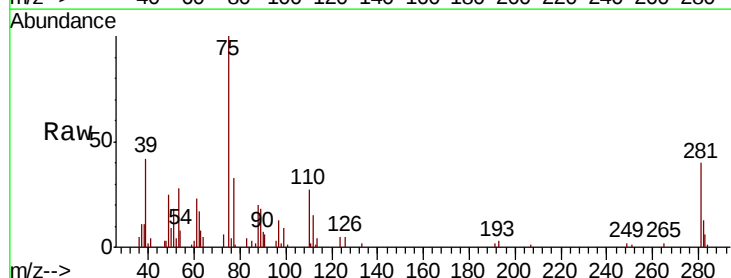
Acq: 15 Aug 2018 16:52

Tgt Ion: 75 Resp: 49023

Ion	Ratio	Lower	Upper
75	100		
77	33.1	16.2	48.6

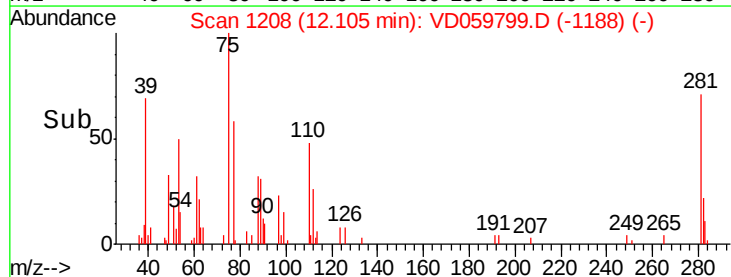
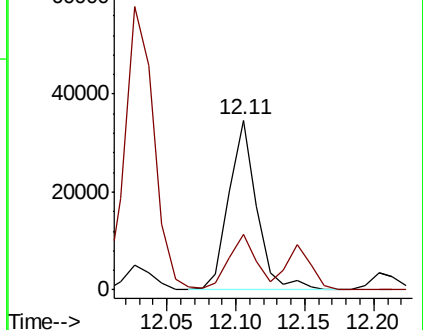
75 100

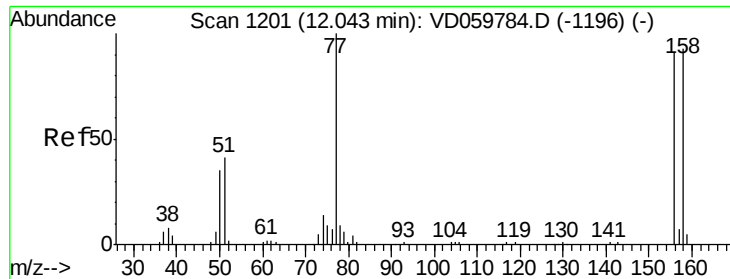
77 33.1 16.2 48.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.90 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 :

VD0815SBS02

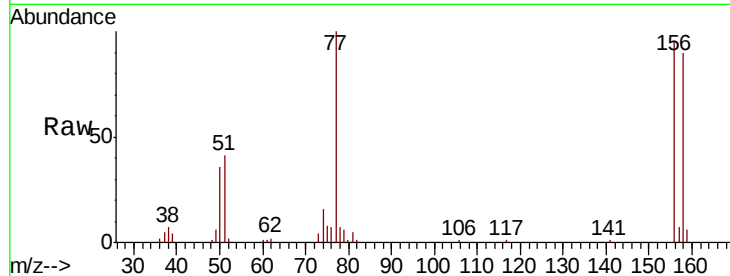
Tot Ion:156 Resp: 63577

Ion Ratio Lower Upper

156 100

77 105.3 54.9 164.8

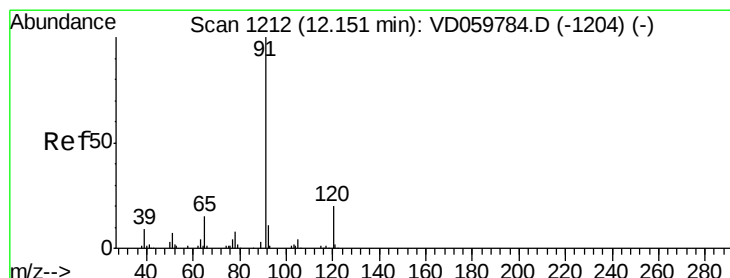
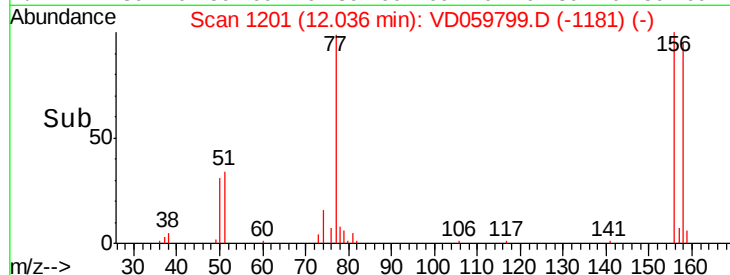
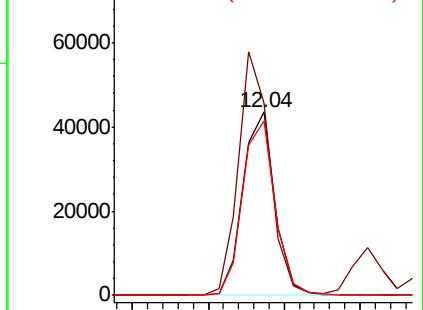
158 95.1 51.2 153.6



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.97 ug/l

RT: 12.14 min Scan# 1212

Delta R.T. -0.01 min

Lab File: VD059799.D

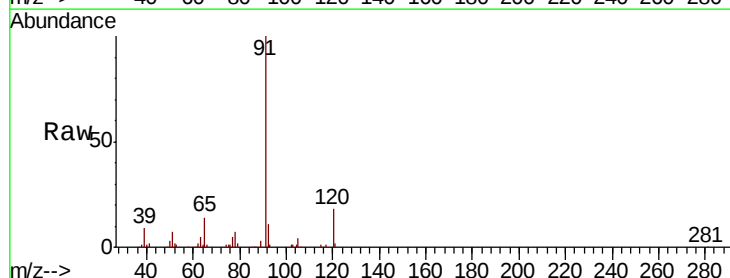
Acq: 15 Aug 2018 16:52

Tgt Ion: 91 Resp: 265780

Ion Ratio Lower Upper

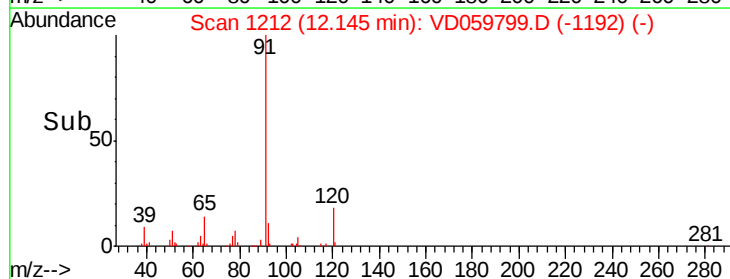
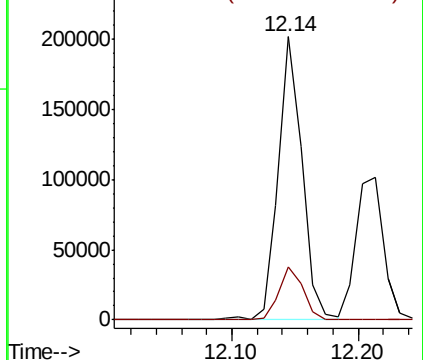
91 100

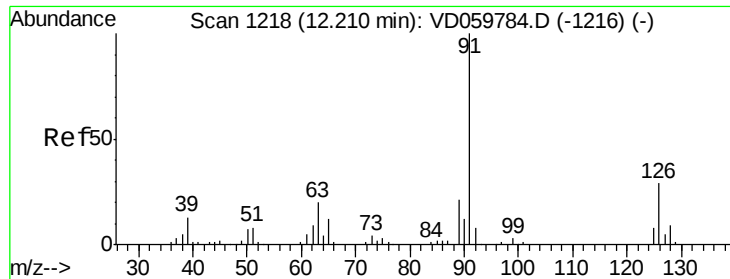
120 18.5 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

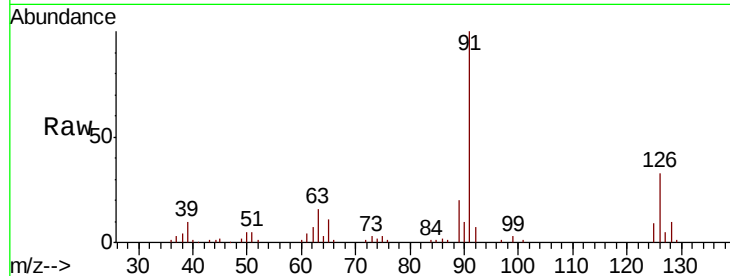




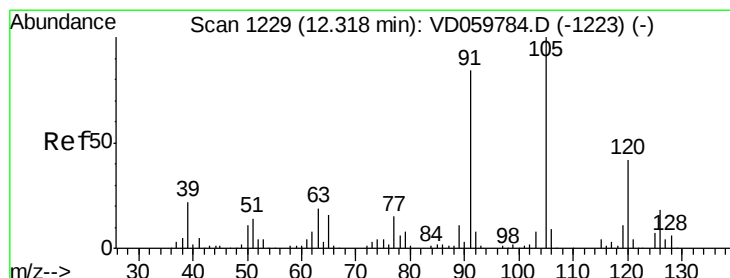
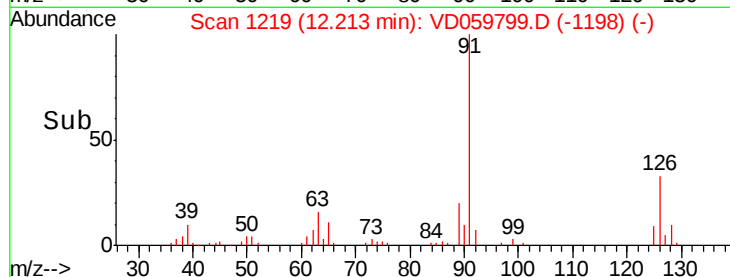
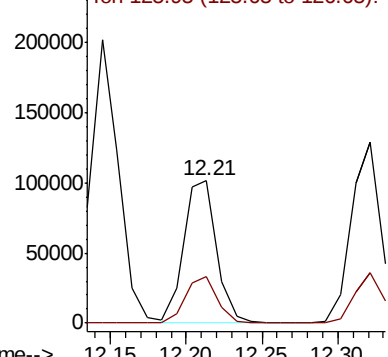
#79
 2-Chlorotoluene
 Concen: 20.16 ug/l
 RT: 12.21 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VD059799.D
 Acq: 15 Aug 2018 16:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815SBSD02

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

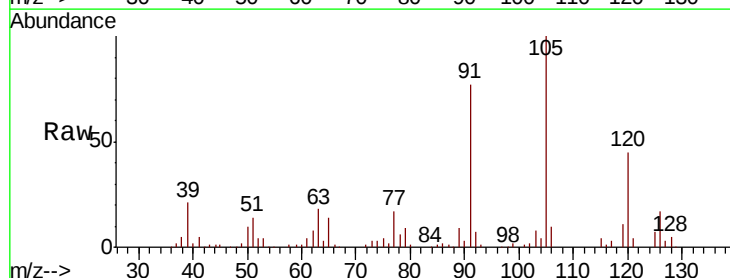


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

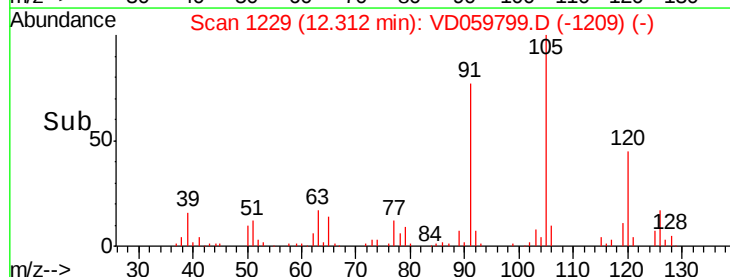
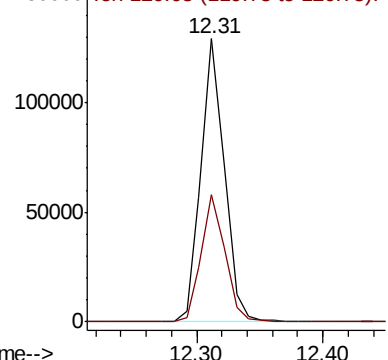


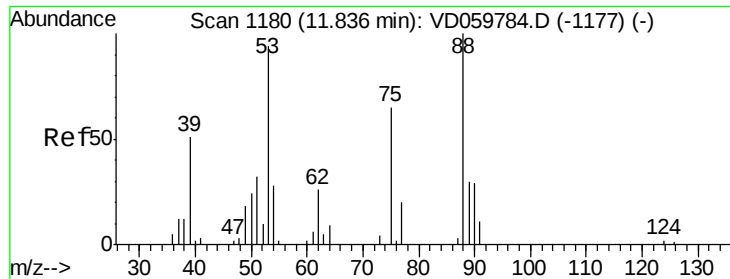
#80
 1,3,5-Trimethylbenzene
 Concen: 20.32 ug/l
 RT: 12.31 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VD059799.D
 Acq: 15 Aug 2018 16:52

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



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





#81

trans-1,4-Dichloro-2-butene

Concen: 22.78 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

ClientSampleId :

VD0815SBSD02

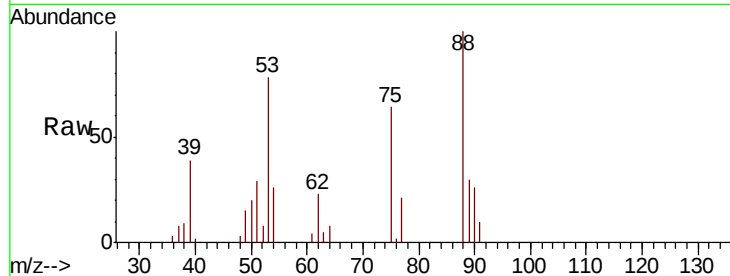
Tot Ion: 75 Resp: 12135

Ion Ratio Lower Upper

75 100

53 123.0 116.2 174.2

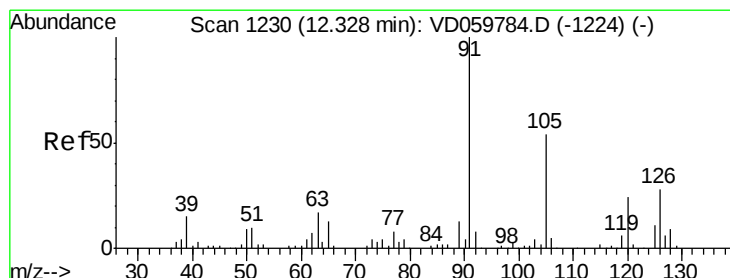
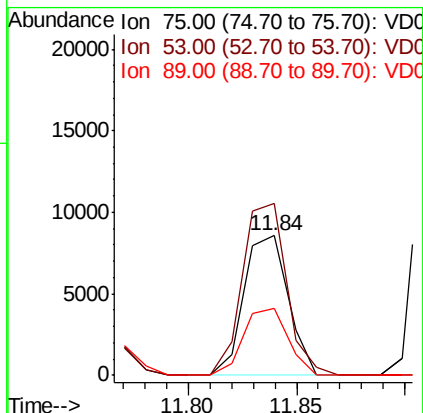
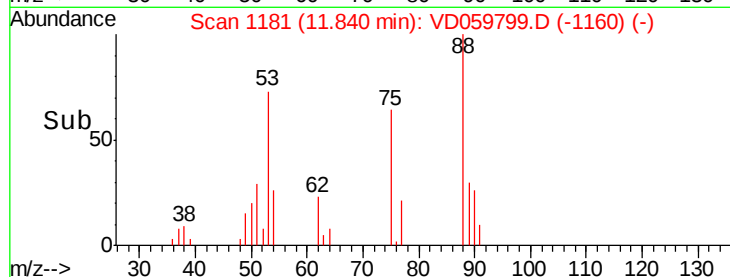
89 47.8 37.0 55.6



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: 20.71 ug/l

RT: 12.32 min Scan# 1230

Delta R.T. -0.01 min

Lab File: VD059799.D

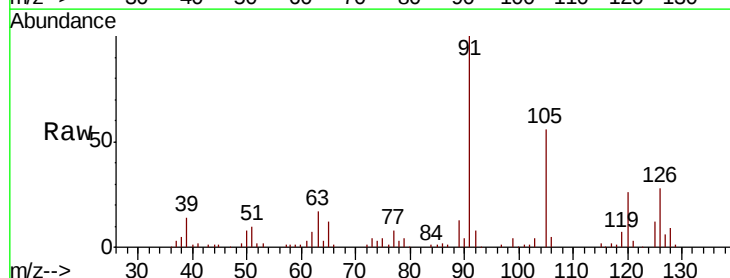
Acq: 15 Aug 2018 16:52

Tgt Ion: 91 Resp: 179658

Ion Ratio Lower Upper

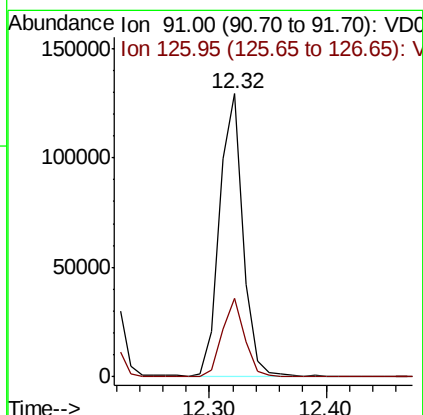
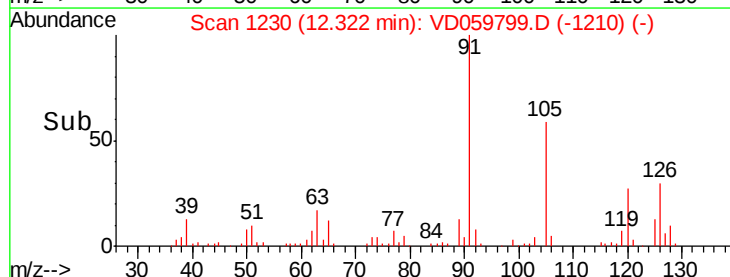
91 100

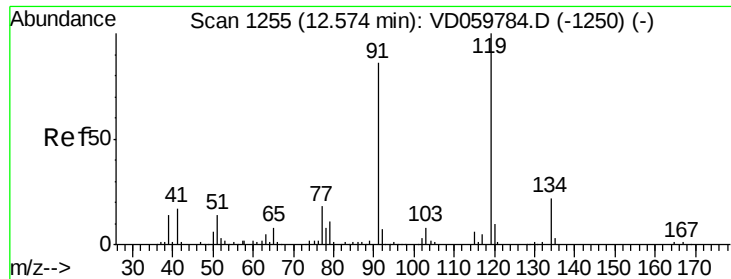
126 28.0 13.9 41.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

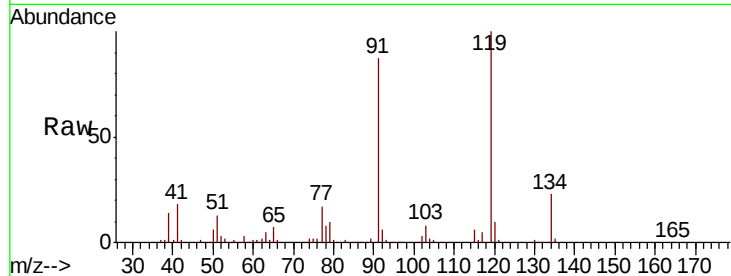




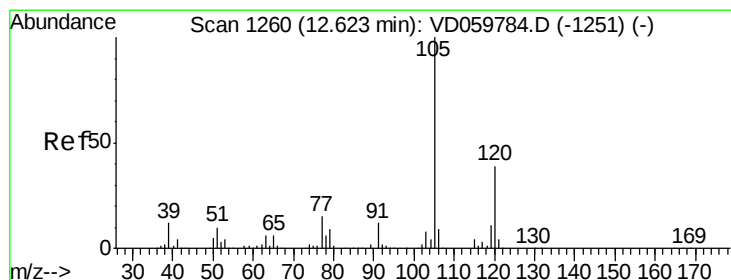
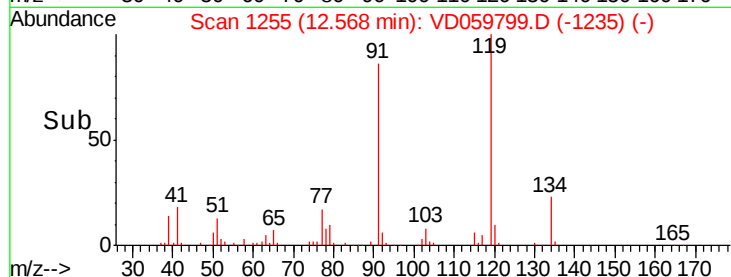
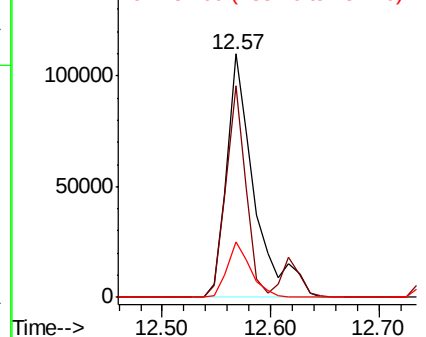
#83
tert-Butylbenzene
Concen: 21.72 ug/l
RT: 12.57 min Scan# 1255
Delta R.T. -0.01 min
Lab File: VD059799.D
Acq: 15 Aug 2018 16:52

Instrument :
MSVOA_D
ClientSampleId :
VD0815SBSD02

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

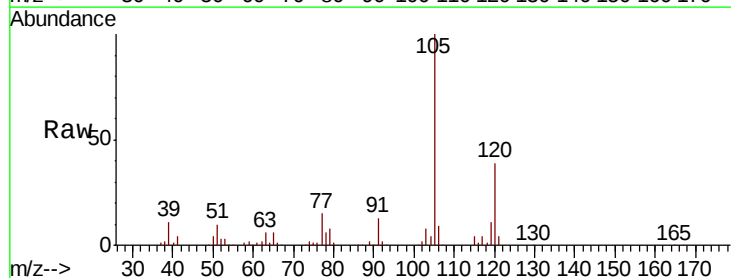


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): VD
Ion 134.00 (133.70 to 134.70): V

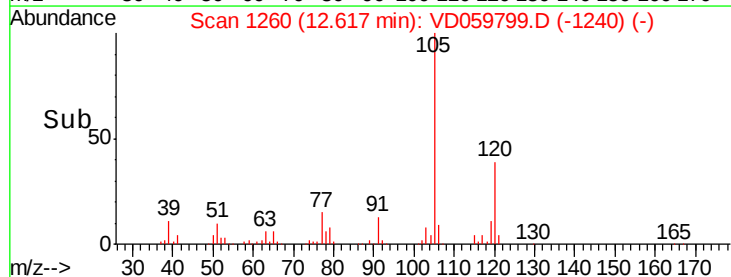
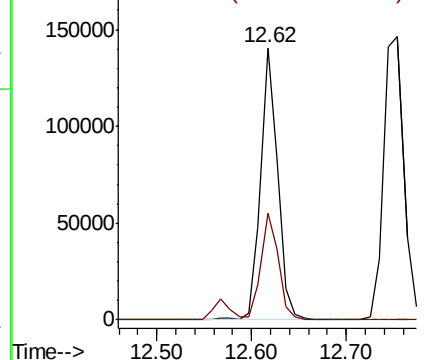


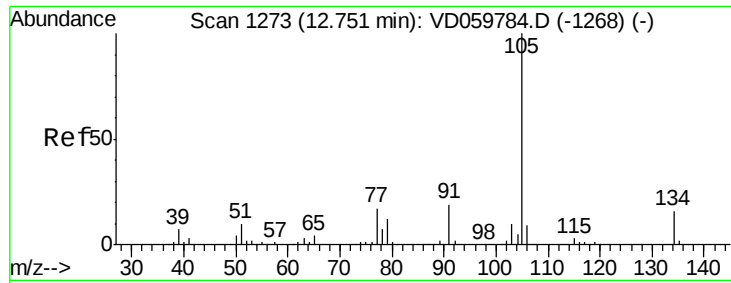
#84
1,2,4-Trimethylbenzene
Concen: 20.05 ug/l
RT: 12.62 min Scan# 1260
Delta R.T. -0.01 min
Lab File: VD059799.D
Acq: 15 Aug 2018 16:52

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

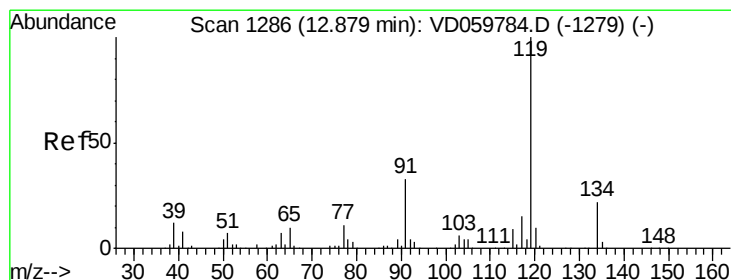
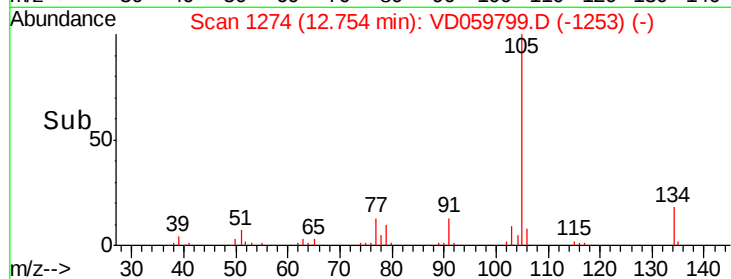
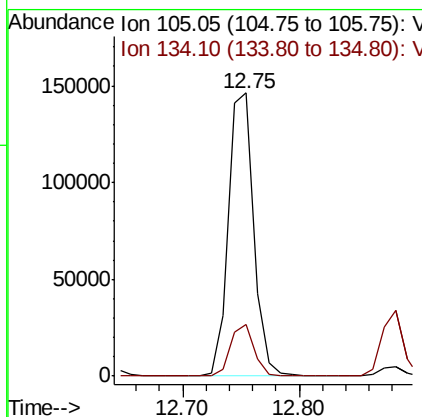
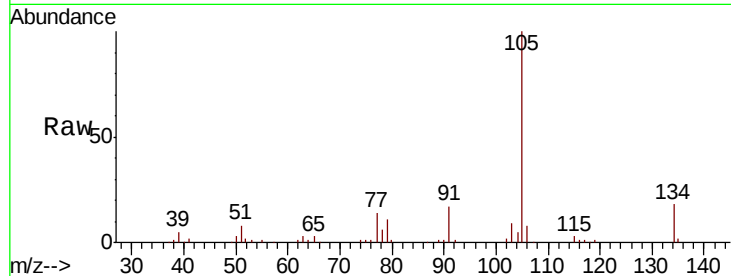




#85
 sec-Butylbenzene
 Concen: 21.12 ug/l
 RT: 12.75 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: VD059799.D
 Acq: 15 Aug 2018 16:52

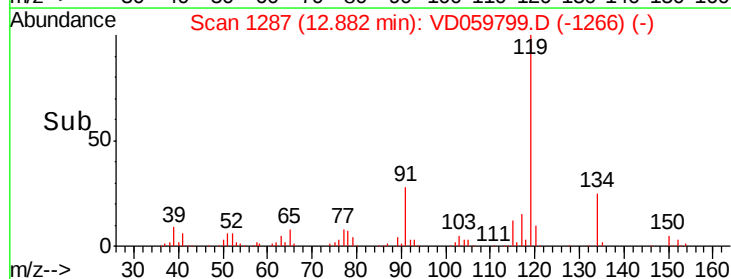
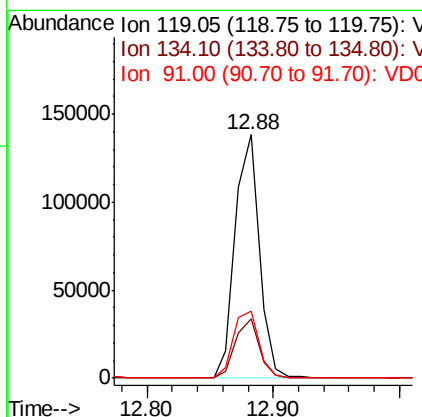
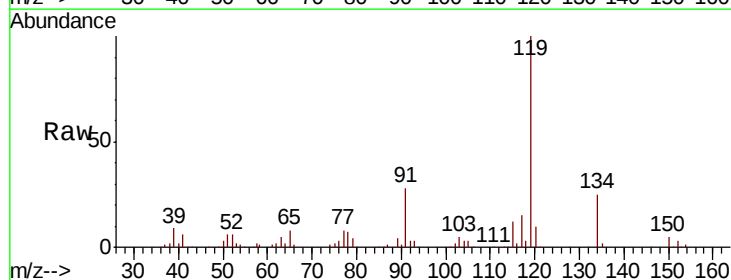
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815SBS02

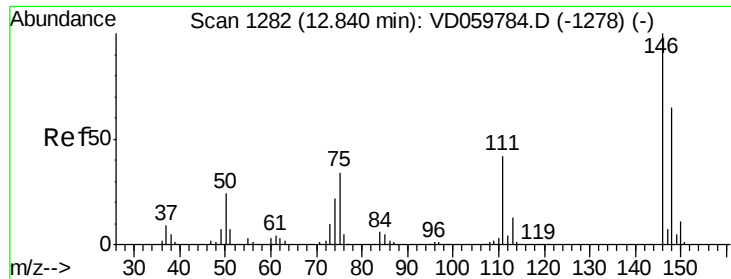
Tot Ion:105 Resp: 220068
 Ion Ratio Lower Upper
 105 100
 134 18.4 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 20.96 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

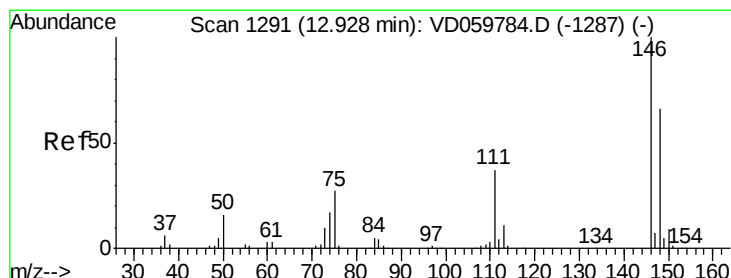
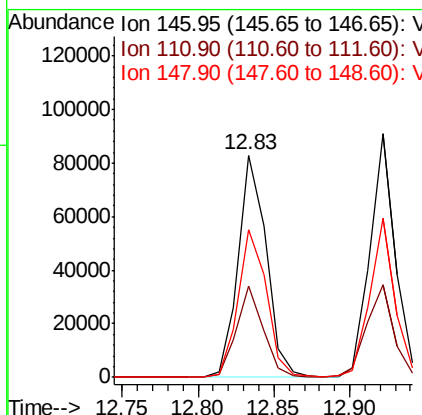
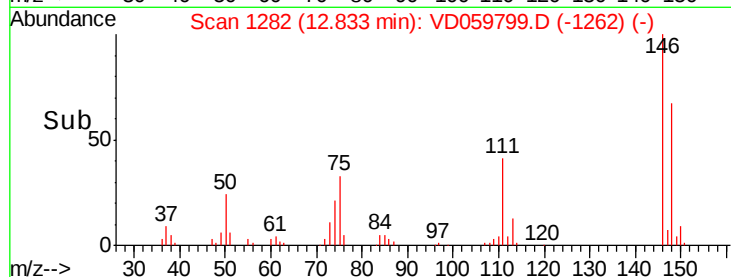
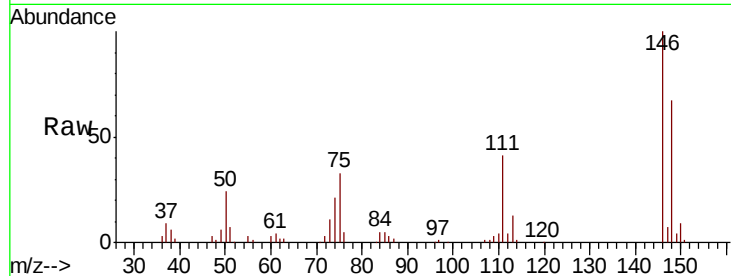




#87
 1,3-Dichlorobenzene
 Concen: 20.59 ug/l
 RT: 12.83 min Scan# 1282
 Delta R.T. -0.01 min
 Lab File: VD059799.D
 Acq: 15 Aug 2018 16:52

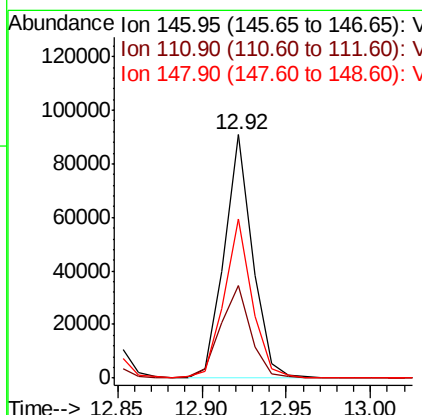
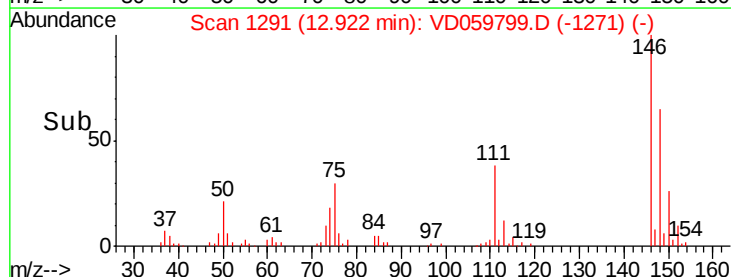
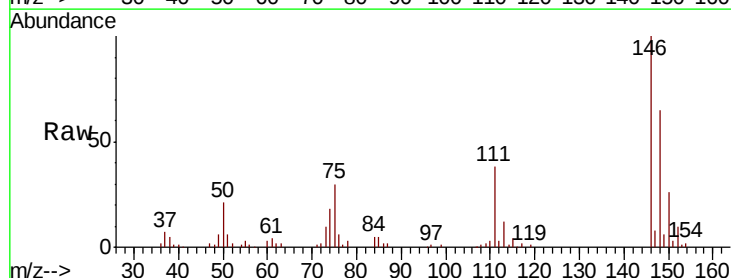
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815SBSD02

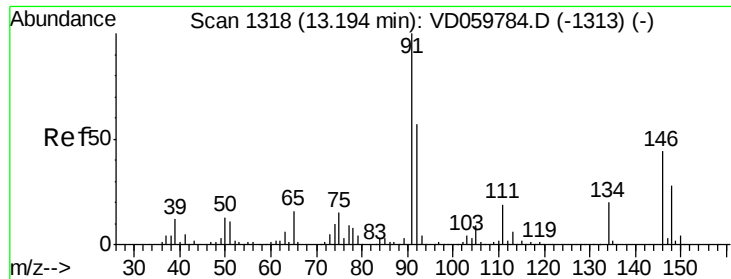
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.9	62.8
148	66.7	32.6	97.8



#88
 1,4-Dichlorobenzene
 Concen: 20.57 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	Ratio	Lower	Upper
146	100		
111	38.3	18.6	55.6
148	65.1	33.0	99.0

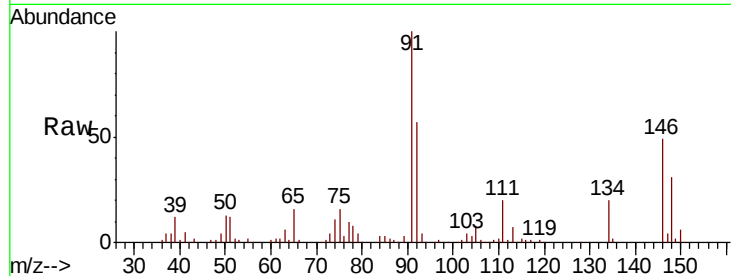




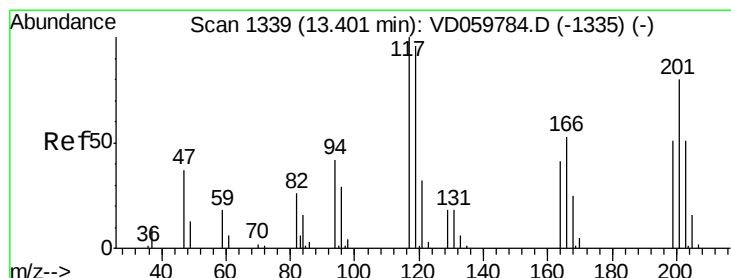
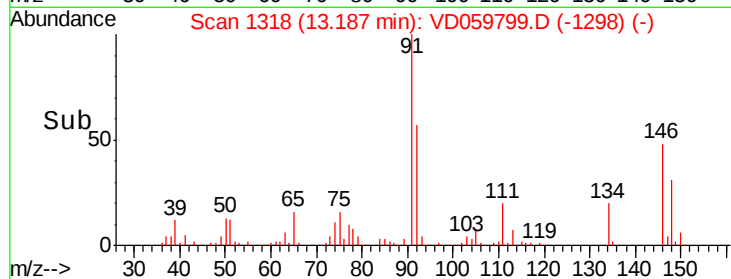
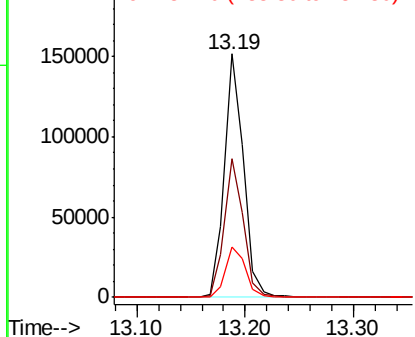
#89
n-Butylbenzene
Concen: 21.15 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. -0.01 min
Lab File: VD059799.D
Acq: 15 Aug 2018 16:52

Instrument :
MSVOA_D
ClientSampleId :
VD0815SBS02

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

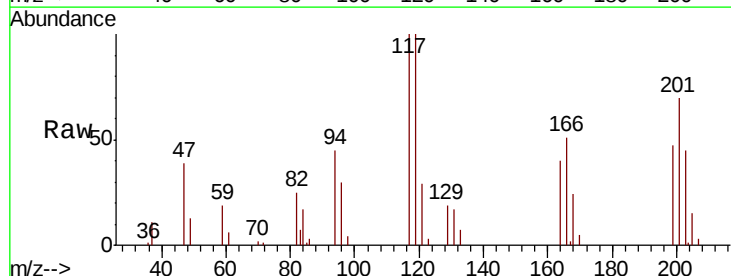


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

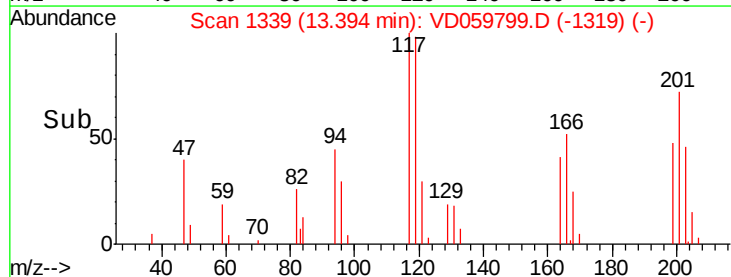
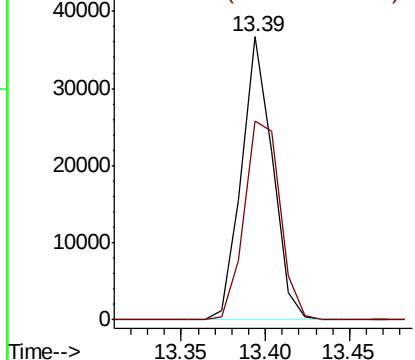


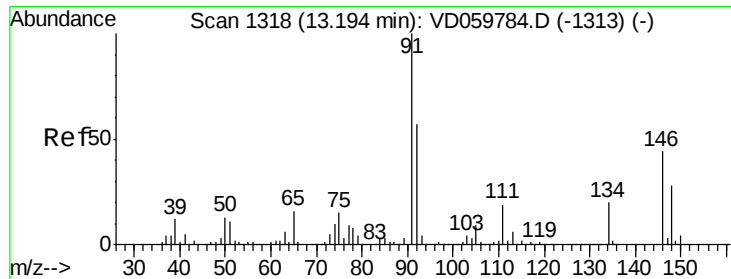
#90
Hexachloroethane
Concen: 21.36 ug/l
RT: 13.39 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VD059799.D
Acq: 15 Aug 2018 16:52

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



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V





#91

1,2-Dichlorobenzene

Concen: 21.19 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

ClientSampleId :

VD0815SBSD02

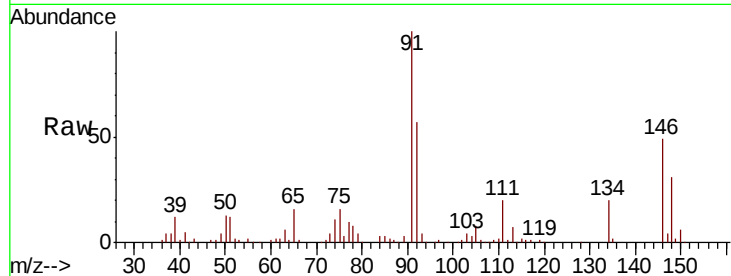
Tot Ion:146 Resp: 90735

Ion Ratio Lower Upper

146 100

111 40.5 21.1 63.1

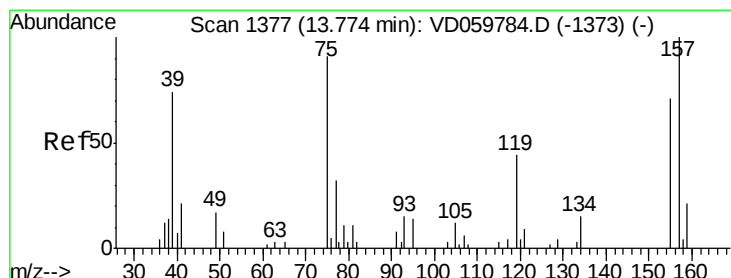
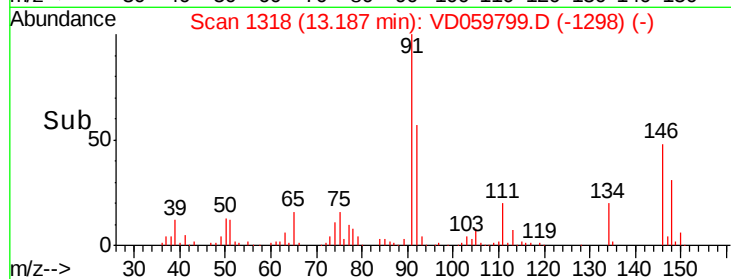
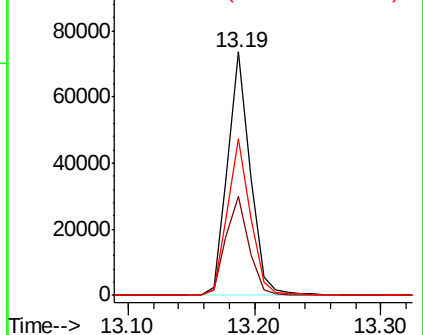
148 64.3 32.0 96.2



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: 20.43 ug/l

RT: 13.77 min Scan# 1377

Delta R.T. -0.01 min

Lab File: VD059799.D

Acq: 15 Aug 2018 16:52

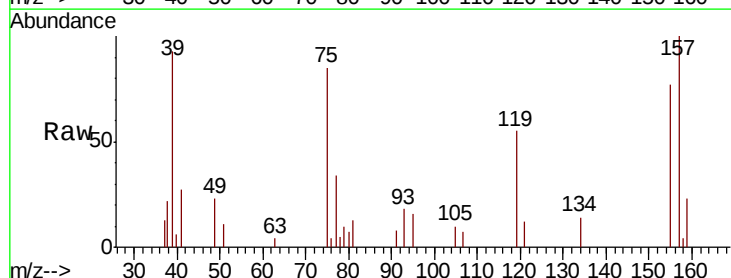
Tgt Ion: 75 Resp: 7521

Ion Ratio Lower Upper

75 100

155 89.8 39.0 117.0

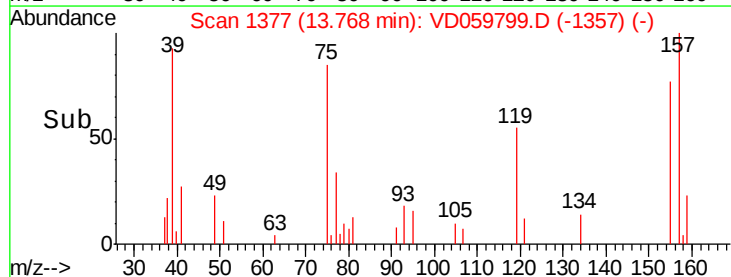
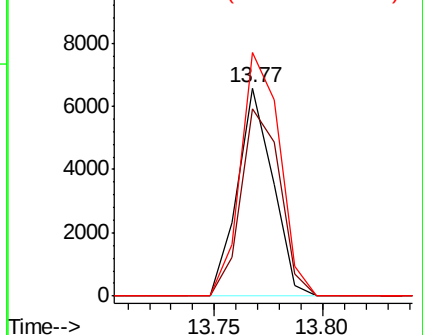
157 117.0 54.8 164.3

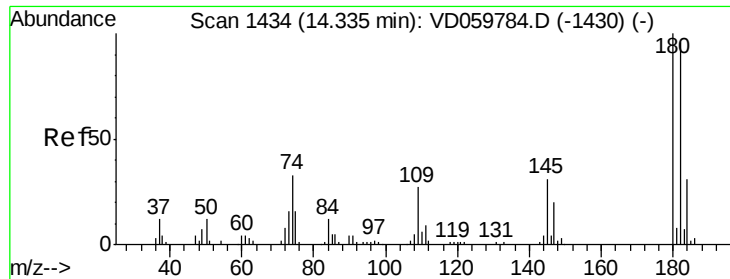


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

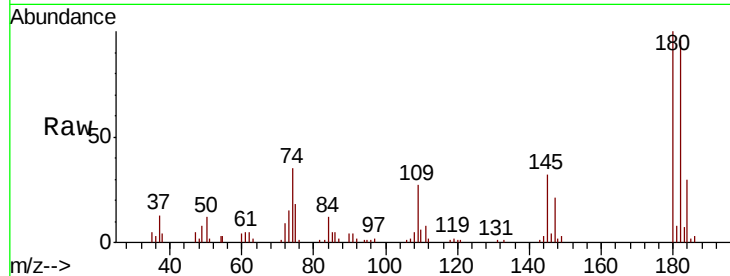




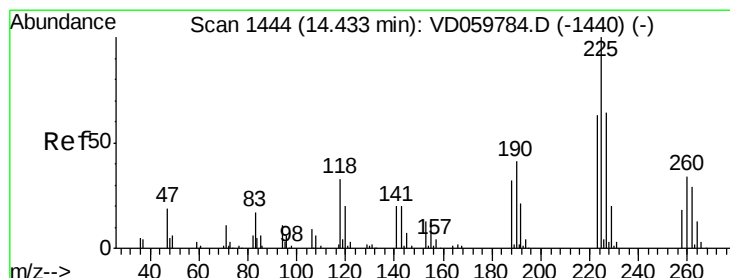
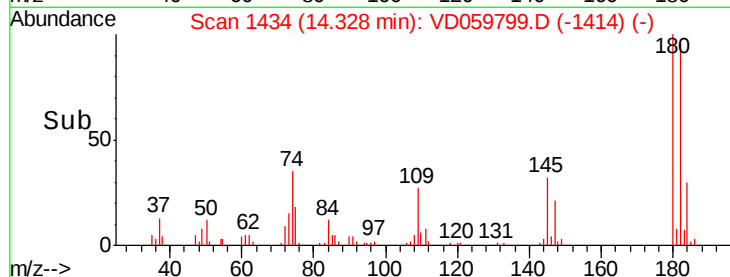
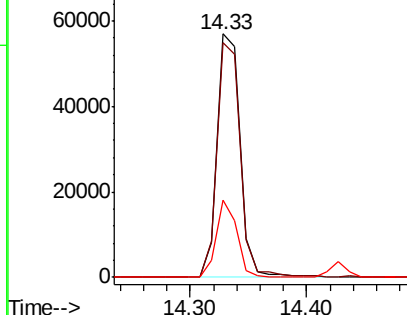
#93
 1,2,4-Trichlorobenzene
 Concen: 21.81 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: VD059799.D
 Acq: 15 Aug 2018 16:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815SBS02

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

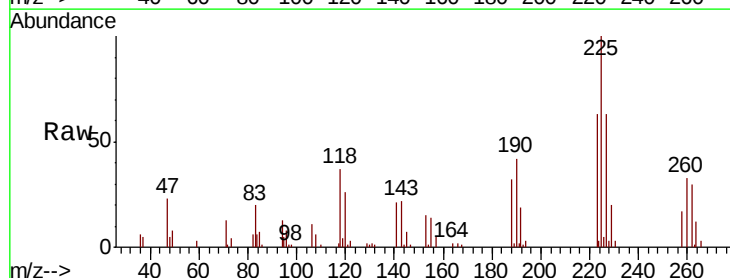


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

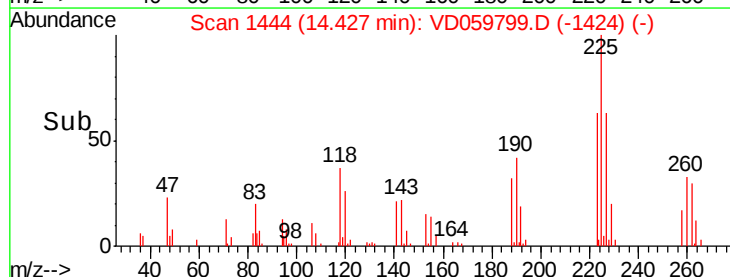
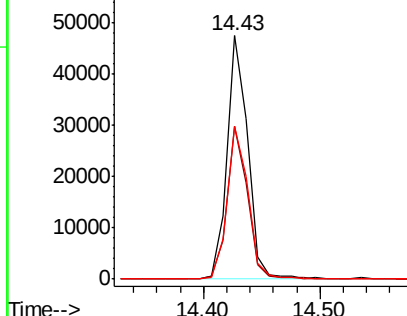


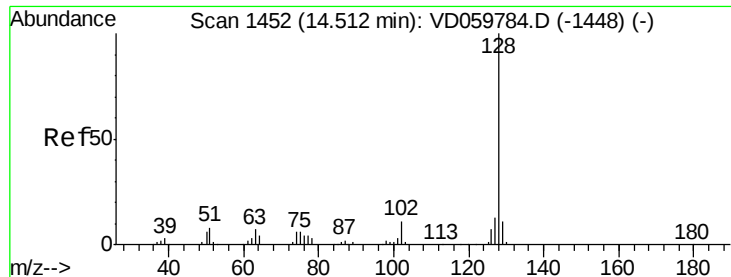
#94
 Hexachlorobutadiene
 Concen: 21.94 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. -0.01 min
 Lab File: VD059799.D
 Acq: 15 Aug 2018 16:52

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

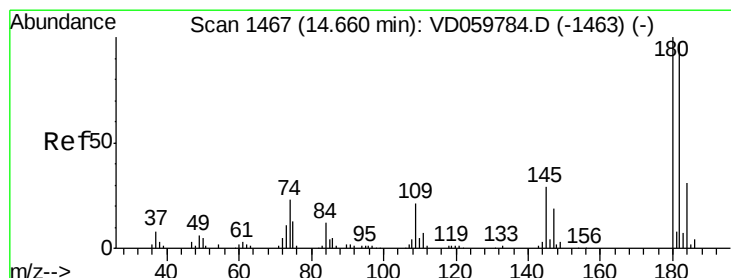
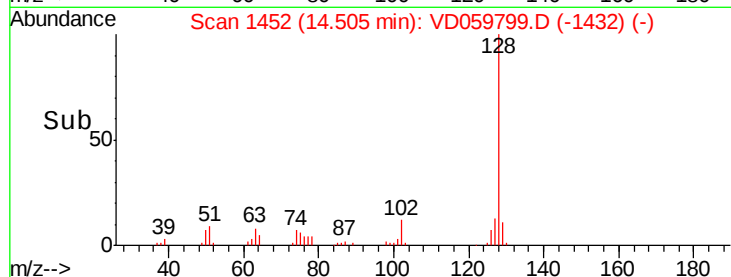
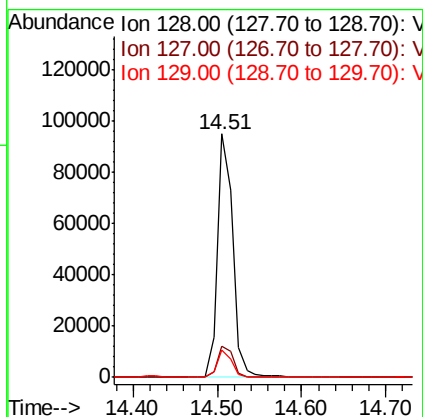
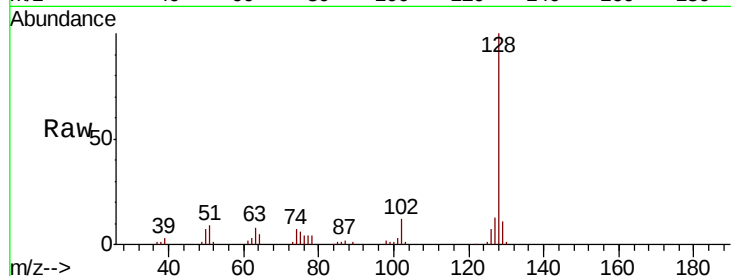




#95
Naphthalene
Concen: 21.82 ug/l
RT: 14.51 min Scan# 1452
Delta R.T. -0.01 min
Lab File: VD059799.D
Acq: 15 Aug 2018 16:52

Instrument :
MSVOA_D
ClientSampleId :
VD0815SBSD02

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



#96
1,2,3-Trichlorobenzene
Concen: 22.52 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

