

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080718\
 Data File : VD059699.D
 Acq On : 7 Aug 2018 12:29
 Operator : VA/AP
 Sample : VD0807SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 08 08:04:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 08 02:03:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	215204	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	268353	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	219961	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	120305	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	144632	52.25	ug/l	0.00
Spiked Amount			Recovery	=	104.50%	
35) Dibromofluoromethane	5.52	113	127788	53.02	ug/l	0.00
Spiked Amount			Recovery	=	106.04%	
50) Toluene-d8	8.69	98	266877	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	
62) 4-Bromofluorobenzene	11.92	95	121332	50.11	ug/l	0.00
Spiked Amount			Recovery	=	100.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.32	85	56142	18.586	ug/l	99
3) Chloromethane	1.47	50	23390	17.377	ug/l	94
4) Vinyl Chloride	1.54	62	29422	18.721	ug/l	93
5) Bromomethane	1.77	94	6840	13.225	ug/l	94
6) Chloroethane	1.85	64	10599	16.594	ug/l #	85
7) Trichlorofluoromethane	2.06	101	48536	18.949	ug/l	98
8) Diethyl Ether	2.33	74	8840	18.840	ug/l	61
9) 1,1,2-Trichlorotrifluoroet	2.53	101	27914	19.293	ug/l	92
10) Methyl Iodide	2.67	142	28535	17.155	ug/l	96
11) Tert butyl alcohol	3.24	59	11721	116.358	ug/l #	76
12) 1,1-Dichloroethene	2.52	96	19624	18.563	ug/l	98
13) Acrolein	2.45	56	8954	94.638	ug/l	100
14) Allyl chloride	2.90	41	46272	19.130	ug/l	99
15) Acrylonitrile	3.33	53	30688	109.837	ug/l	99
16) Acetone	2.59	43	49073	94.367	ug/l	96
17) Carbon Disulfide	2.73	76	64419	16.869	ug/l	99
18) Methyl Acetate	2.91	43	16600	17.275	ug/l	100
19) Methyl tert-butyl Ether	3.38	73	93696	23.227	ug/l	96
20) Methylene Chloride	3.05	84	33728	16.856	ug/l	90
21) trans-1,2-Dichloroethene	3.36	96	30067	21.730	ug/l	91
22) Diisopropyl ether	4.05	45	113708	19.985	ug/l	99
23) Vinyl Acetate	3.99	43	372583	103.292	ug/l	99
24) 1,1-Dichloroethane	3.95	63	73667	19.563	ug/l	99
25) 2-Butanone	4.82	43	62024	90.809	ug/l	99
26) 2,2-Dichloropropane	4.78	77	78135	19.429	ug/l	99
27) cis-1,2-Dichloroethene	4.78	96	39980	19.899	ug/l	95
28) Bromochloromethane	5.12	49	30634	22.034	ug/l #	100
29) Tetrahydrofuran	5.16	42	28556	107.954	ug/l	97
30) Chloroform	5.30	83	90828	19.788	ug/l	98
31) Cyclohexane	5.57	56	48878	17.768	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	82263	18.426	ug/l	93
36) 1,1-Dichloropropene	5.72	75	59160	19.830	ug/l	94
37) Ethyl Acetate	4.90	43	31796	21.950	ug/l	98
38) Carbon Tetrachloride	5.70	117	77175	19.330	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	48331	19.169	ug/l	98
40) Benzene	6.00	78	112122	19.378	ug/l	98
41) Methacrylonitrile	5.10	41	14719	21.733	ug/l	94
42) 1,2-Dichloroethane	6.11	62	69823	19.520	ug/l	96
43) Isopropyl Acetate	7.60	43	37901	20.018	ug/l	100
44) Trichloroethene	6.96	130	41468	19.617	ug/l	95
45) 1,2-Dichloropropane	7.33	63	28923	18.931	ug/l	93
46) Dibromomethane	7.44	93	27100	20.469	ug/l	99
47) Bromodichloromethane	7.73	83	64906	19.247	ug/l	97
48) Methyl methacrylate	7.49	41	25822	20.663	ug/l	95
49) 1,4-Dioxane	7.48	88	4275	417.527	ug/l #	91
51) 4-Methyl-2-Pentanone	8.58	43	128692	93.203	ug/l	94
52) Toluene	8.79	92	73849	20.009	ug/l	96
53) t-1,3-Dichloropropene	9.17	75	56005	19.630	ug/l	98
54) cis-1,3-Dichloropropene	8.35	75	59524	20.256	ug/l	96
55) 1,1,2-Trichloroethane	9.44	97	28152	19.858	ug/l	96
56) Ethyl methacrylate	9.30	69	32439	20.739	ug/l	94
57) 1,3-Dichloropropane	9.65	76	44566	20.259	ug/l	92
58) 2-Chloroethyl Vinyl ether	8.17	63	82583	110.821	ug/l	98
59) 2-Hexanone	9.77	43	103370	99.695	ug/l	96
60) Dibromochloromethane	9.94	129	45144	20.039	ug/l	92
61) 1,2-Dibromoethane	10.08	107	33015	20.253	ug/l	97
64) Tetrachloroethene	9.50	164	38088	18.288	ug/l	99
65) Chlorobenzene	10.71	112	89537	19.317	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.84	131	40516	19.938	ug/l	96
67) Ethyl Benzene	10.85	91	162846	19.508	ug/l	99
68) m/p-Xylenes	11.00	106	104243	39.036	ug/l	99
69) o-Xylene	11.40	106	51631	19.888	ug/l	89
70) Styrene	11.43	104	84618	19.418	ug/l	91
71) Bromoform	11.59	173	30267	19.770	ug/l #	97
73) Isopropylbenzene	11.76	105	155394	19.220	ug/l	98
74) N-amyl acetate	11.63	43	50824	19.649	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.07	83	32915	20.288	ug/l	98
76) 1,2,3-Trichloropropane	12.11	75	38454	20.677	ug/l	90
77) Bromobenzene	12.04	156	45149	19.159	ug/l	81
78) n-propylbenzene	12.14	91	200042	19.965	ug/l	99
79) 2-Chlorotoluene	12.20	91	118513	19.586	ug/l	99
80) 1,3,5-Trimethylbenzene	12.31	105	132257	19.638	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.83	75	8611	18.972	ug/l	96
82) 4-Chlorotoluene	12.32	91	143691	20.285	ug/l	86
83) tert-Butylbenzene	12.57	119	145983	19.366	ug/l	99
84) 1,2,4-Trimethylbenzene	12.62	105	140074	19.626	ug/l	99
85) sec-Butylbenzene	12.74	105	162503	19.412	ug/l	100
86) p-Isopropyltoluene	12.88	119	135423	18.970	ug/l	93
87) 1,3-Dichlorobenzene	12.83	146	79639	19.581	ug/l	94
88) 1,4-Dichlorobenzene	12.92	146	76840	18.937	ug/l	99
89) n-Butylbenzene	13.19	91	140311	19.384	ug/l	98
90) Hexachloroethane	13.39	117	36391	19.668	ug/l	93
91) 1,2-Dichlorobenzene	13.19	146	67426	19.685	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.77	75	6511	19.214	ug/l	85

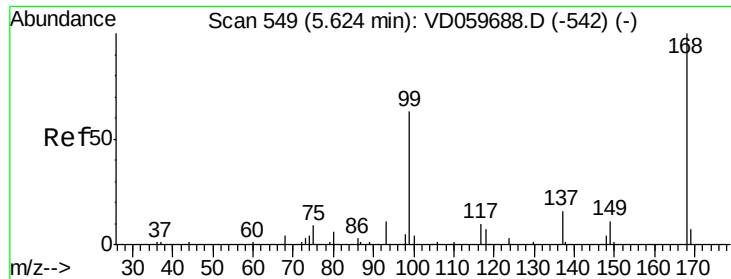
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080718\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	58168	18.878	ug/l	99
94) Hexachlorobutadiene	14.43	225	43756	18.311	ug/l	97
95) Naphthalene	14.51	128	84136	18.438	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	53155	19.722	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 549

Delta R.T. -0.00 min

Lab File: VD059699.D

Acq: 7 Aug 2018 12:29

Instrument :

MSVOA_D

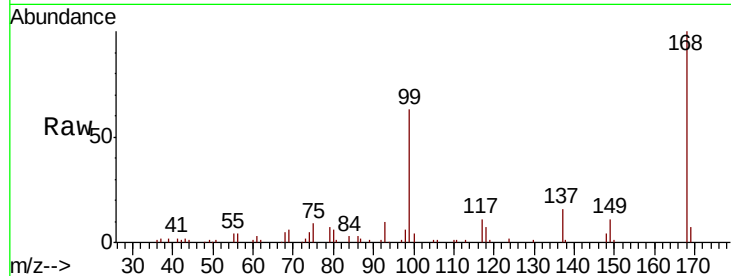
ClientSampleId :

Tot Ion:168 Resp: 215204

Ion Ratio Lower Upper

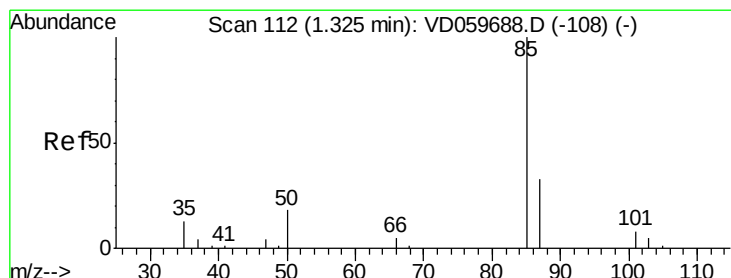
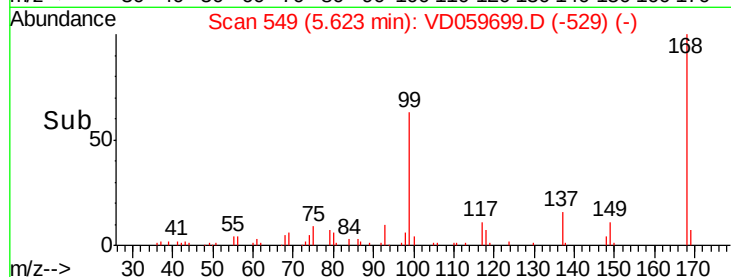
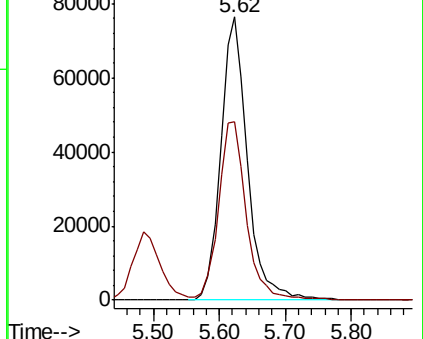
168 100

99 63.0 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 18.586 ug/l

RT: 1.32 min Scan# 112

Delta R.T. -0.00 min

Lab File: VD059699.D

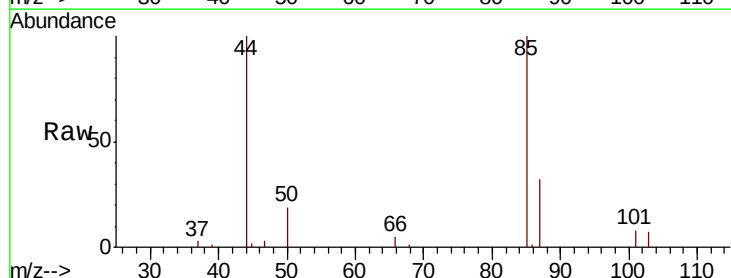
Acq: 7 Aug 2018 12:29

Tgt Ion: 85 Resp: 56142

Ion Ratio Lower Upper

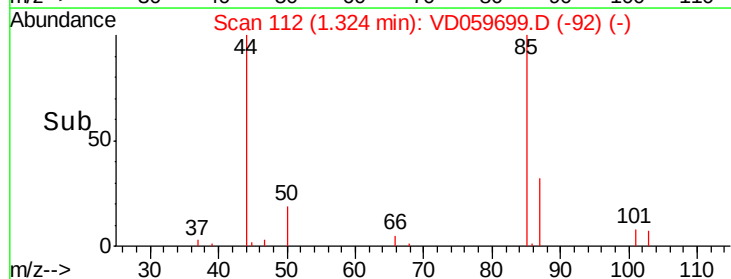
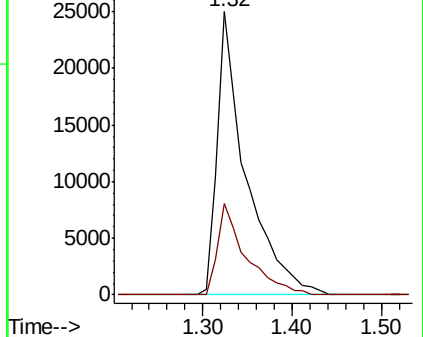
85 100

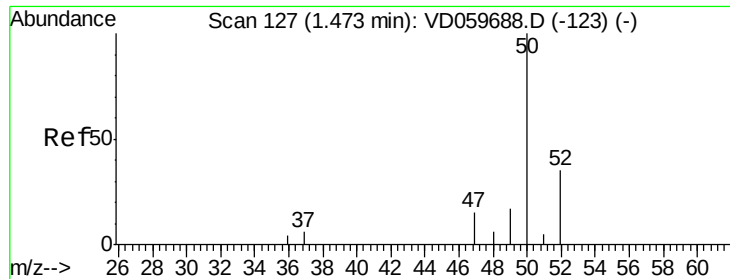
87 32.2 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

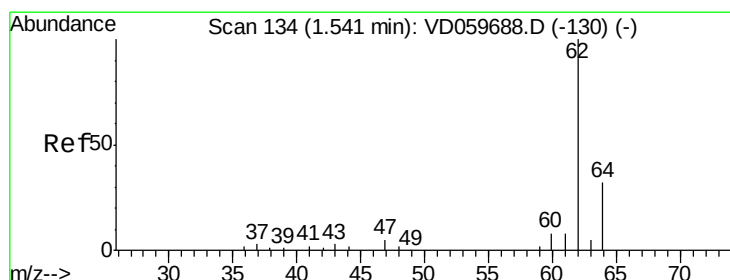
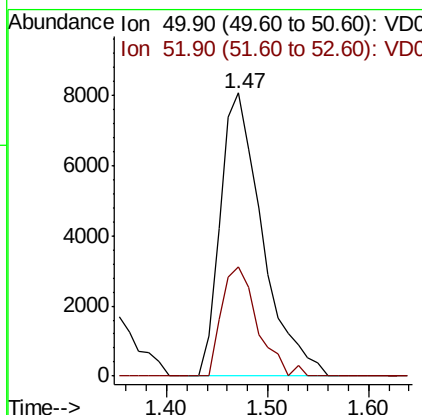
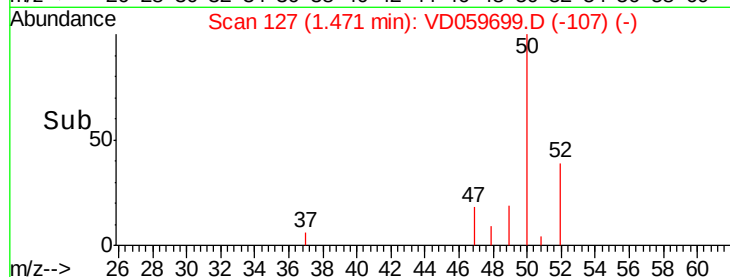
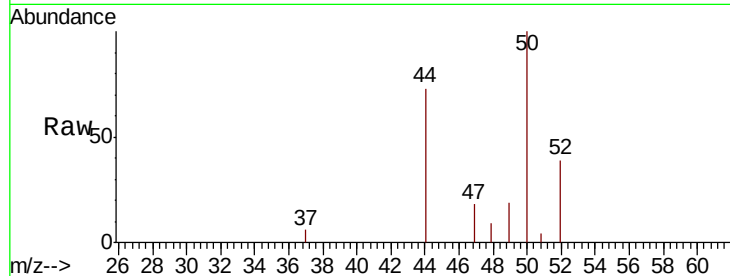




#3
 Chloromethane
 Concen: 17.377 ug/l
 RT: 1.47 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VD059699.D
 Acq: 7 Aug 2018 12:29

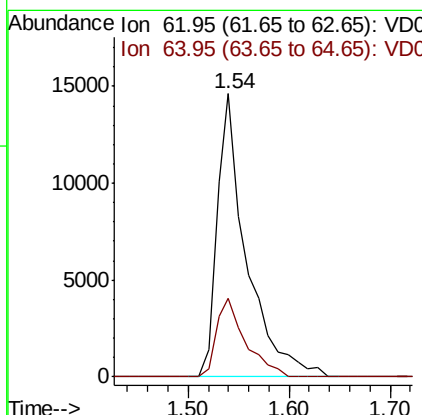
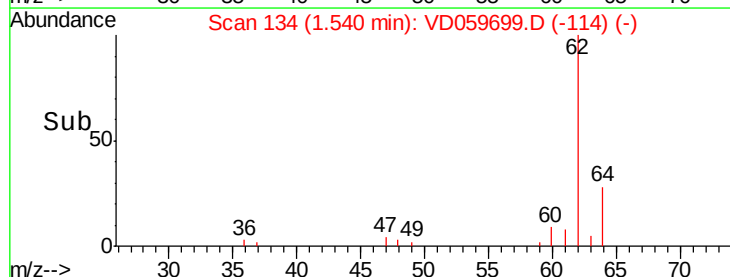
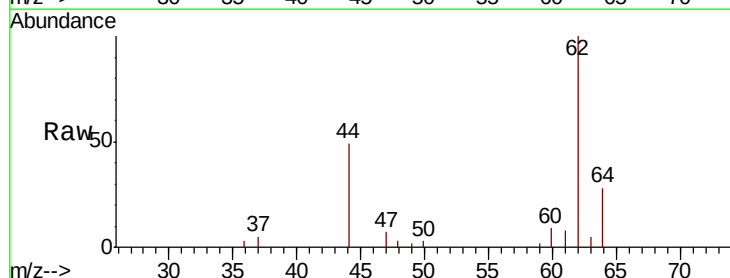
Instrument :
 MSVOA_D
 ClientSampleId :

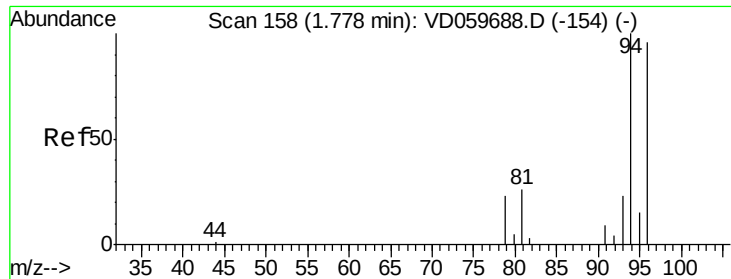
Tot Ion: 50 Resp: 23390
 Ion Ratio Lower Upper
 50 100
 52 38.5 28.2 42.4



#4
 Vinyl Chloride
 Concen: 18.721 ug/l
 RT: 1.54 min Scan# 134
 Delta R.T. -0.00 min
 Lab File: VD059699.D
 Acq: 7 Aug 2018 12:29

Tgt Ion: 62 Resp: 29422
 Ion Ratio Lower Upper
 62 100
 64 27.9 25.4 38.0





#5

Bromomethane

Concen: 13.225 ug/l

RT: 1.77 min Scan# 157

Delta R.T. -0.01 min

Lab File: VD059699.D

Acq: 7 Aug 2018 12:29

Instrument :

MSVOA_D

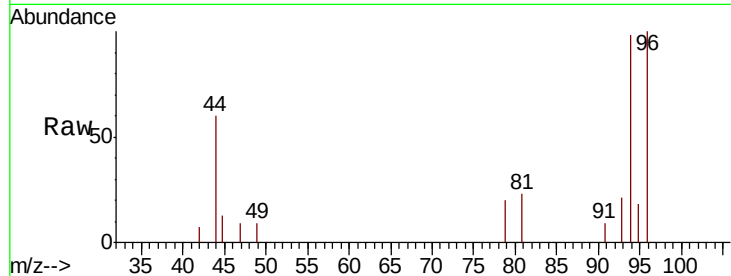
ClientSampleId :

Tot Ion: 94 Resp: 6840

Ion Ratio Lower Upper

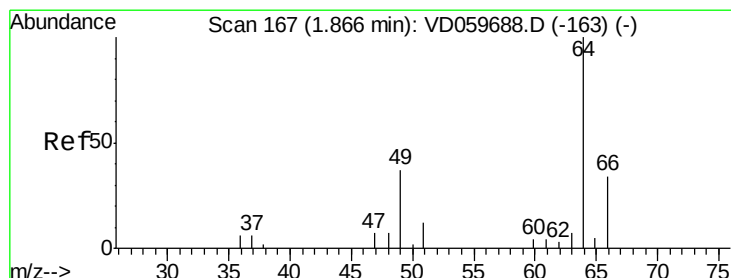
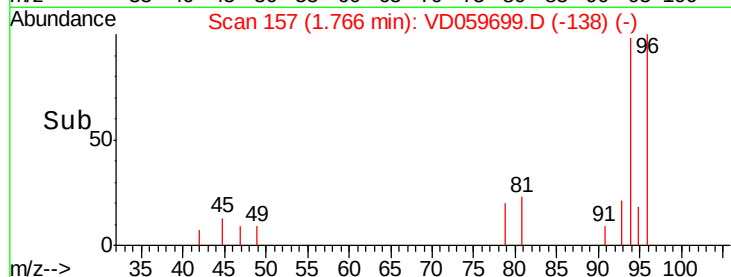
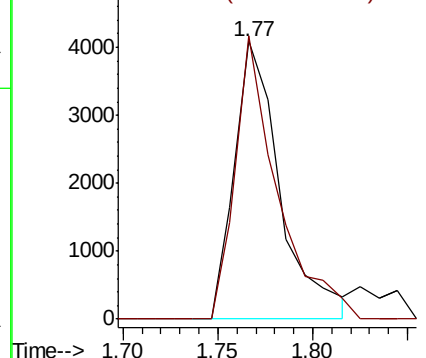
94 100

96 101.9 76.6 114.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 16.594 ug/l

RT: 1.85 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD059699.D

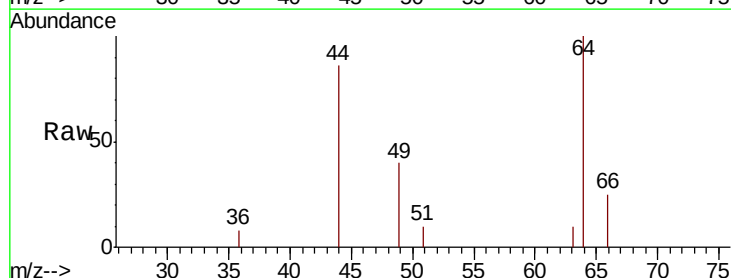
Acq: 7 Aug 2018 12:29

Tgt Ion: 64 Resp: 10599

Ion Ratio Lower Upper

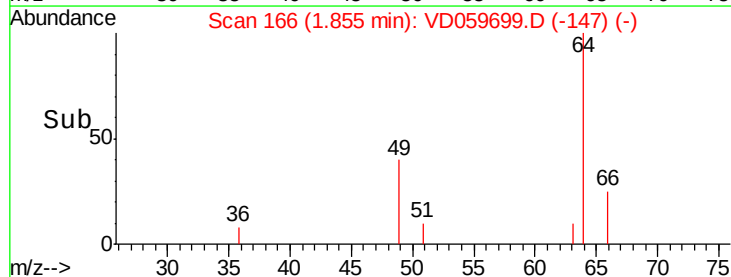
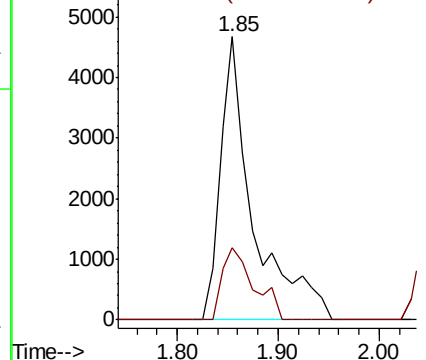
64 100

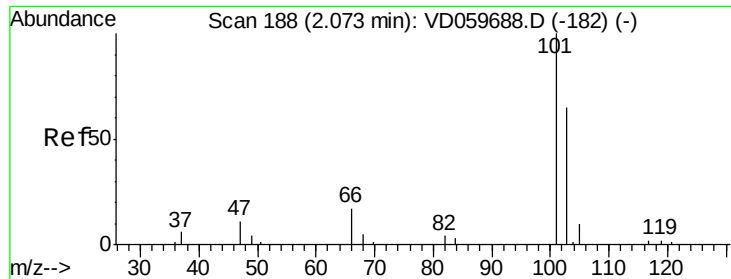
66 25.3 27.2 40.8#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



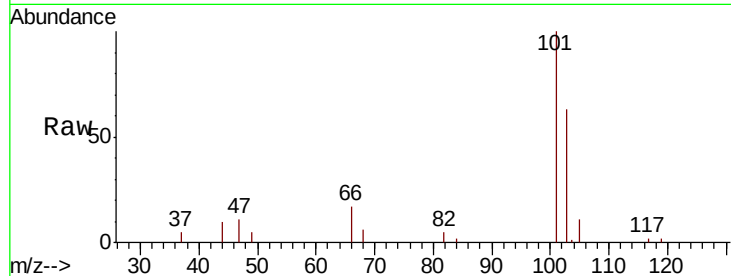


#7

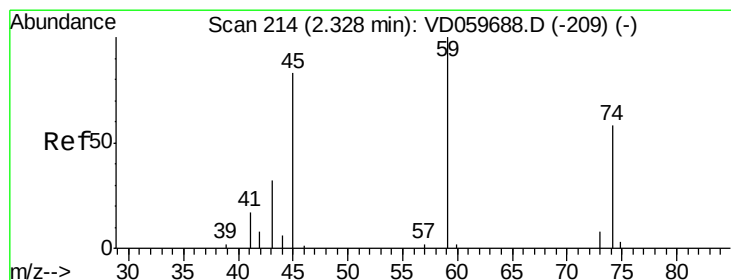
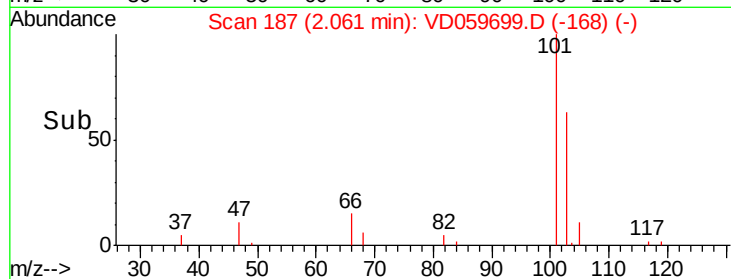
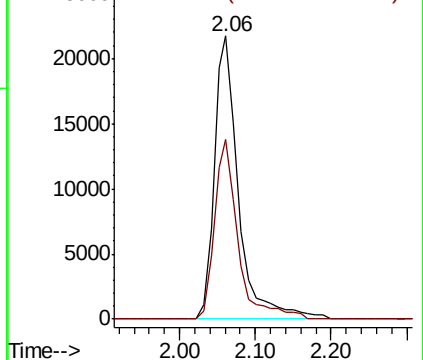
Trichlorofluoromethane
Concen: 18.949 ug/l
RT: 2.06 min Scan# 187
Delta R.T. -0.01 min
Lab File: VD059699.D
Acq: 7 Aug 2018 12:29

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:101 Resp: 48536
Ion Ratio Lower Upper
101 100
103 63.4 51.7 77.5



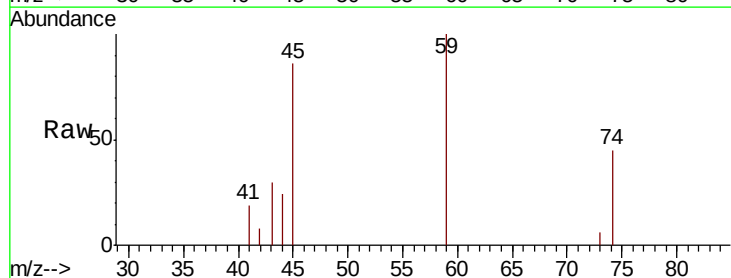
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



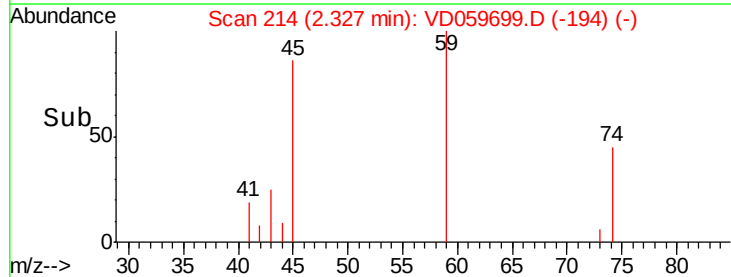
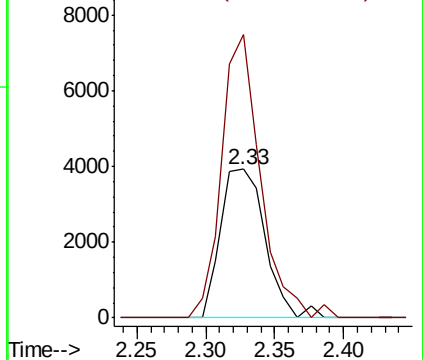
#8

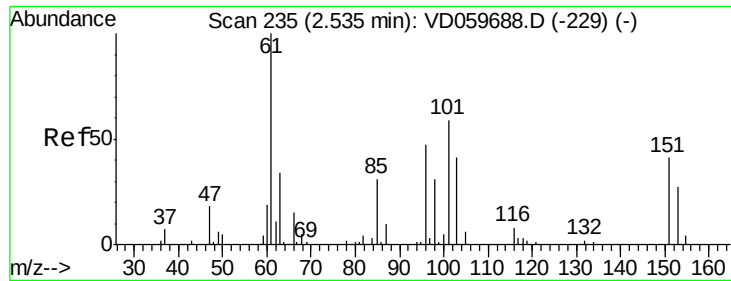
Diethyl Ether
Concen: 18.840 ug/l
RT: 2.33 min Scan# 214
Delta R.T. -0.00 min
Lab File: VD059699.D
Acq: 7 Aug 2018 12:29

Tgt Ion: 74 Resp: 8840
Ion Ratio Lower Upper
74 100
45 190.7 71.4 214.2



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: 19.293 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.00 min

Lab File: VD059699.D

Acq: 7 Aug 2018 12:29

Instrument :

MSVOA_D

ClientSampleId :

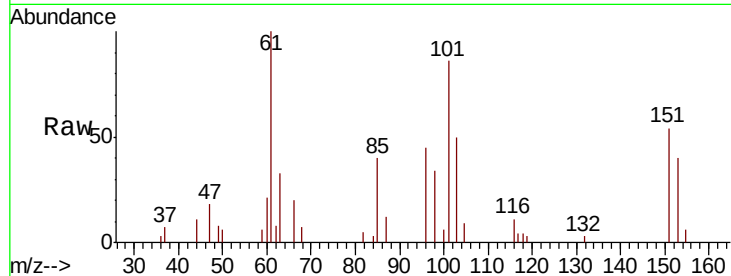
Tot Ion:101 Resp: 27914

Ion Ratio Lower Upper

101 100

85 46.9 42.2 63.4

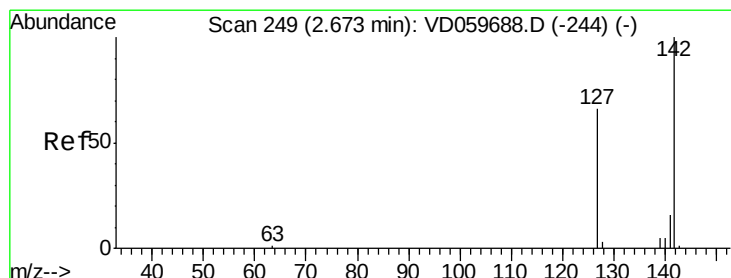
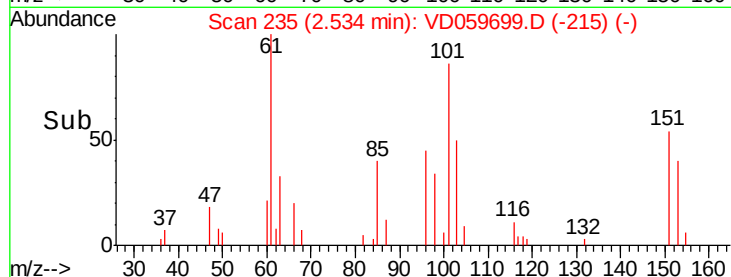
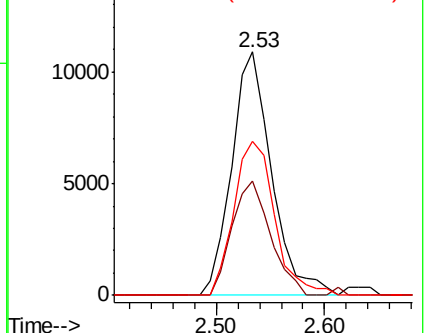
151 63.1 55.2 82.8



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: 17.155 ug/l

RT: 2.67 min Scan# 249

Delta R.T. -0.00 min

Lab File: VD059699.D

Acq: 7 Aug 2018 12:29

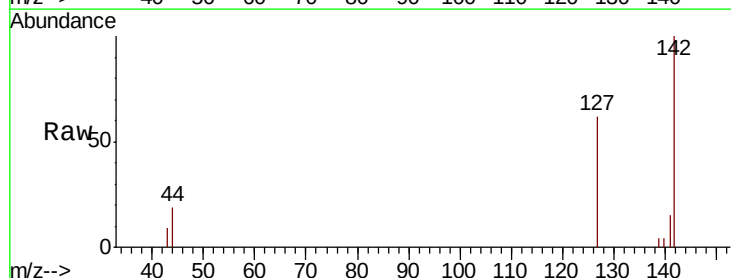
Tgt Ion:142 Resp: 28535

Ion Ratio Lower Upper

142 100

127 62.2 52.6 79.0

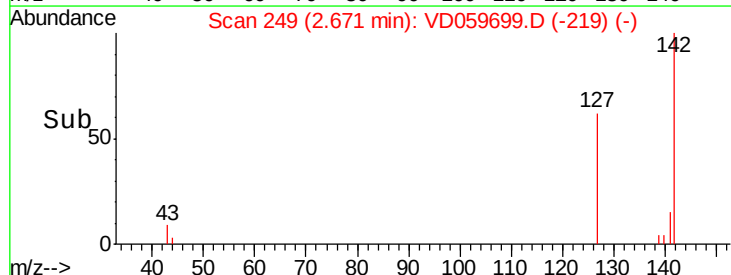
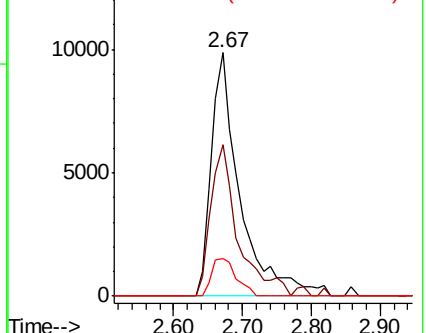
141 15.4 12.5 18.7

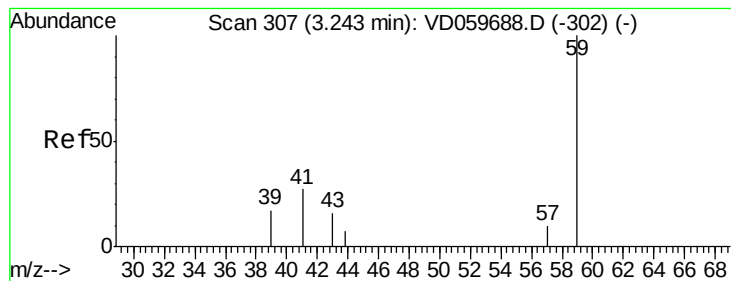


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



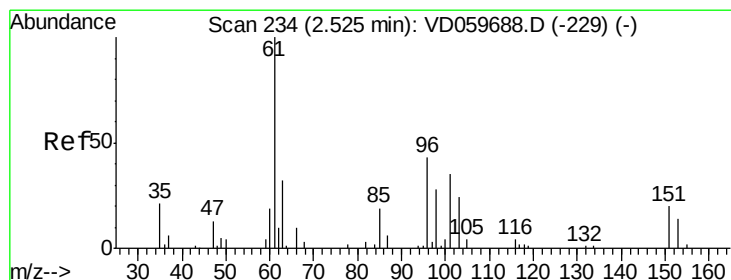
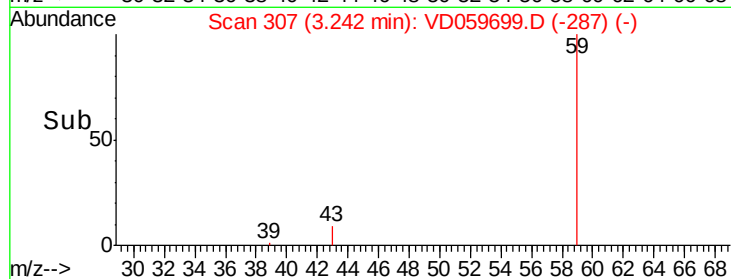
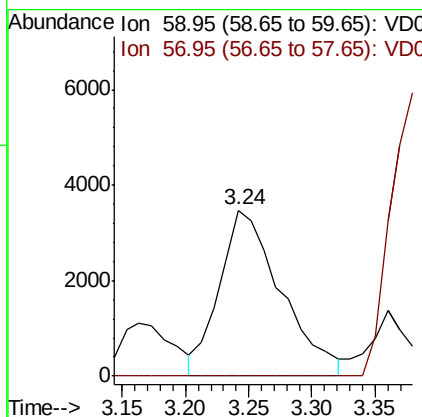
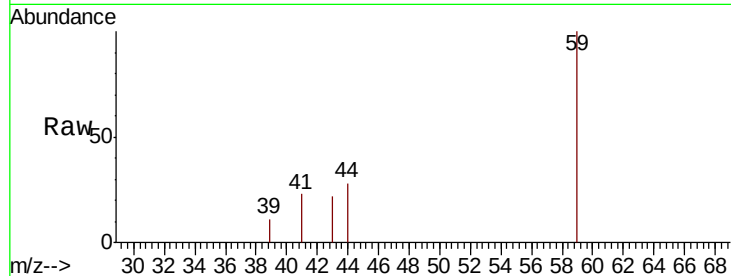


#11

Tert butyl alcohol
 Concen: 116.358 ug/l
 RT: 3.24 min Scan# 307
 Delta R.T. -0.00 min
 Lab File: VD059699.D
 Acq: 7 Aug 2018 12:29

Instrument :
 MSVOA_D
 ClientSampleId :

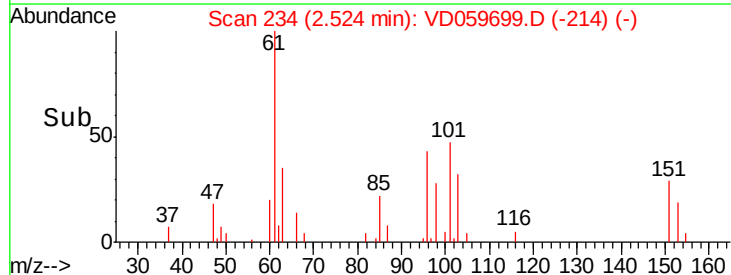
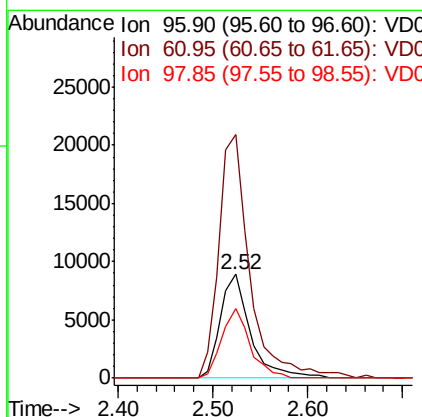
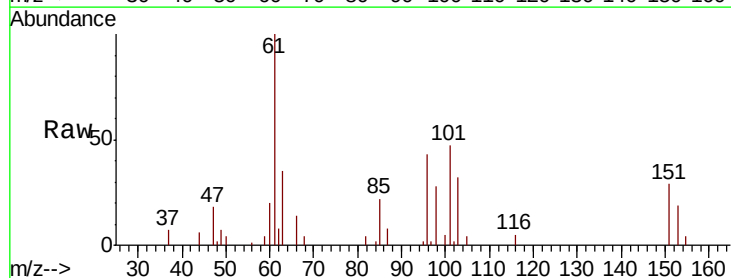
Tot Ion: 59 Resp: 11721
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.8 10.2#

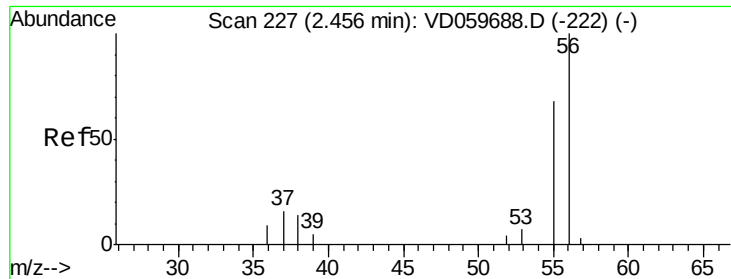


#12

1,1-Dichloroethene
 Concen: 18.563 ug/l
 RT: 2.52 min Scan# 234
 Delta R.T. -0.00 min
 Lab File: VD059699.D
 Acq: 7 Aug 2018 12:29

Tgt Ion: 96 Resp: 19624
 Ion Ratio Lower Upper
 96 100
 61 234.3 184.1 276.1
 98 66.6 52.4 78.6





#13

Acrolein

Concen: 94.638 ug/l

RT: 2.45 min Scan# 227

Delta R.T. -0.00 min

Lab File: VD059699.D

Acq: 7 Aug 2018 12:29

Instrument :

MSVOA_D

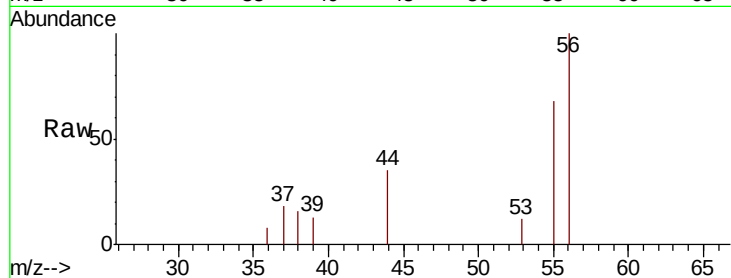
ClientSampleId :

Tot Ion: 56 Resp: 8954

Ion Ratio Lower Upper

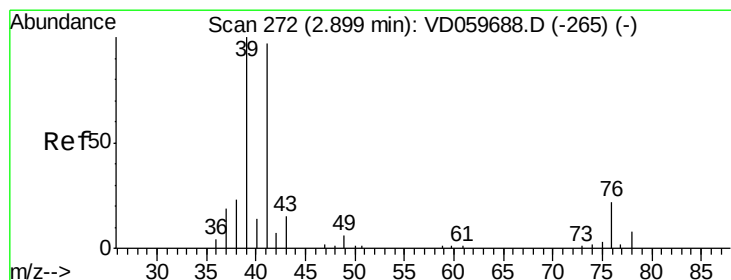
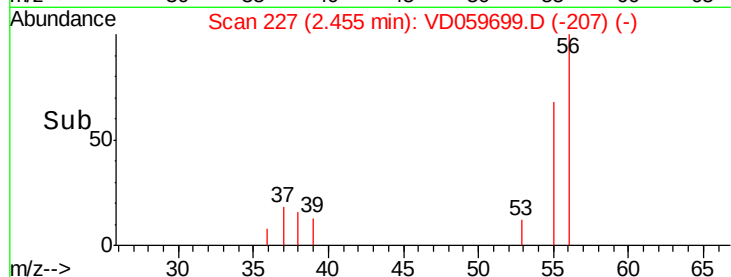
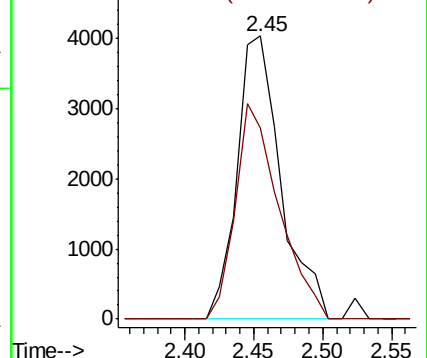
56 100

55 67.7 54.4 81.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.130 ug/l

RT: 2.90 min Scan# 272

Delta R.T. -0.00 min

Lab File: VD059699.D

Acq: 7 Aug 2018 12:29

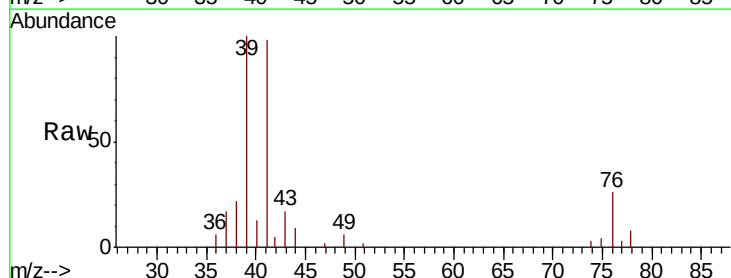
Tgt Ion: 41 Resp: 46272

Ion Ratio Lower Upper

41 100

39 101.8 82.5 123.7

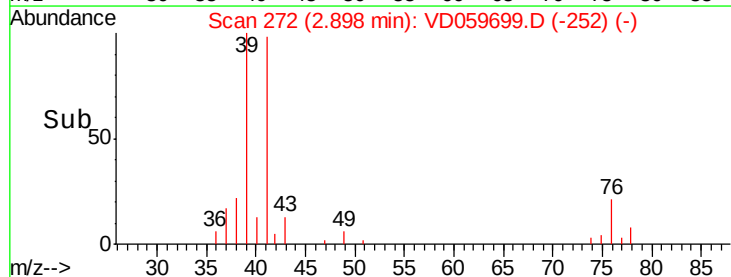
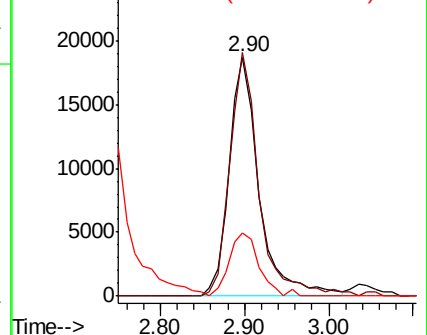
76 26.6 22.1 33.1

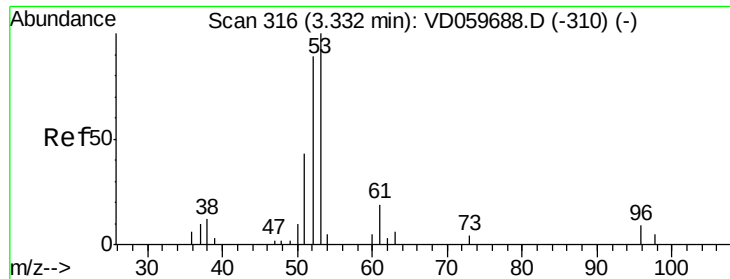


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 109.837 ug/l

RT: 3.33 min Scan# 316

Delta R.T. -0.00 min

Lab File: VD059699.D

Acq: 7 Aug 2018 12:29

Instrument :

MSVOA_D

ClientSampleId :

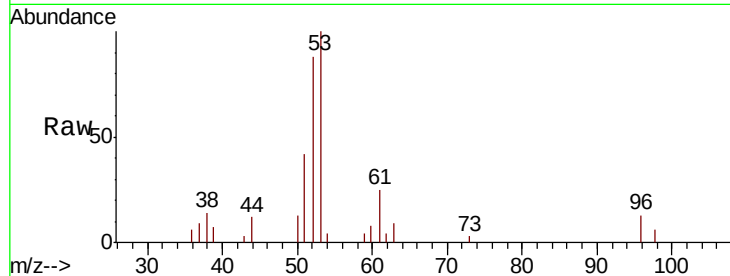
Tot Ion: 53 Resp: 30688

Ion Ratio Lower Upper

53 100

52 88.4 71.4 107.0

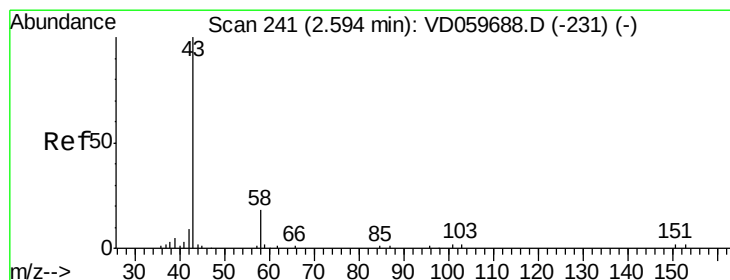
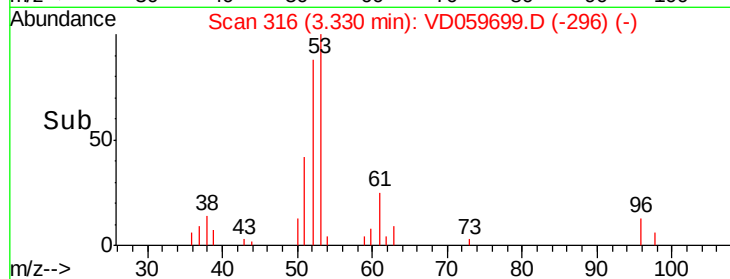
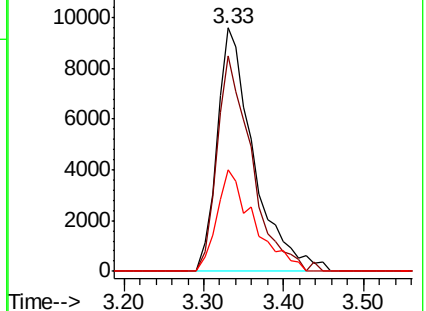
51 41.8 34.2 51.4



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 94.367 ug/l

RT: 2.59 min Scan# 241

Delta R.T. -0.00 min

Lab File: VD059699.D

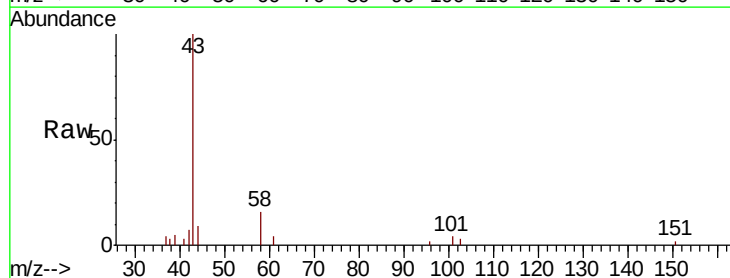
Acq: 7 Aug 2018 12:29

Tgt Ion: 43 Resp: 49073

Ion Ratio Lower Upper

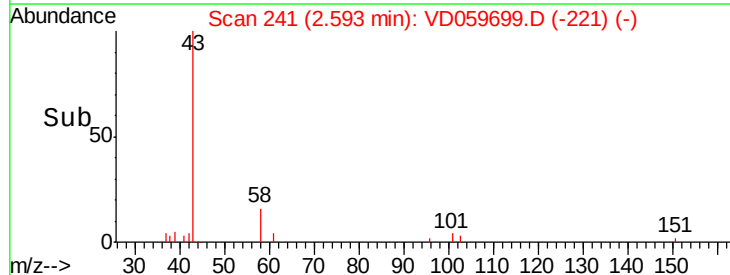
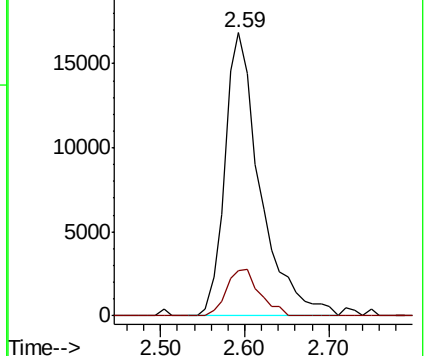
43 100

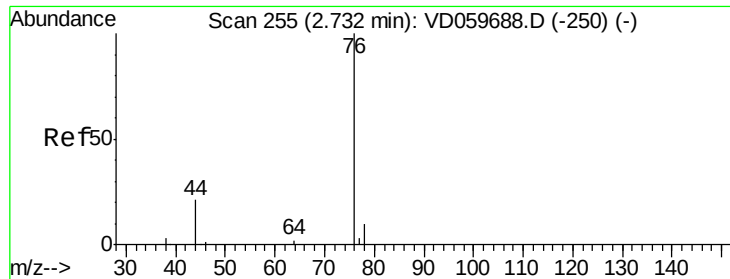
58 16.0 14.2 21.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

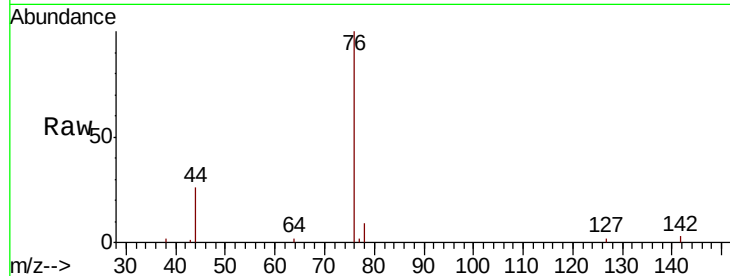




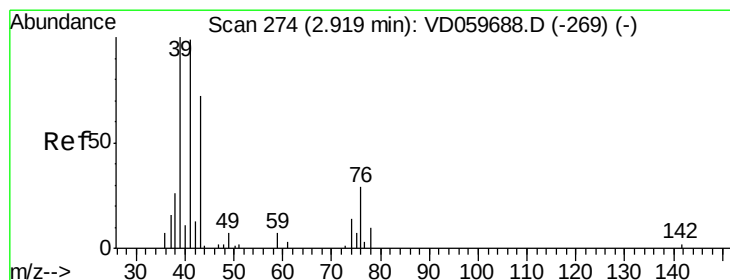
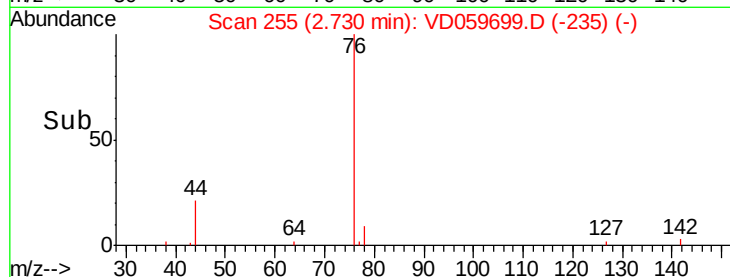
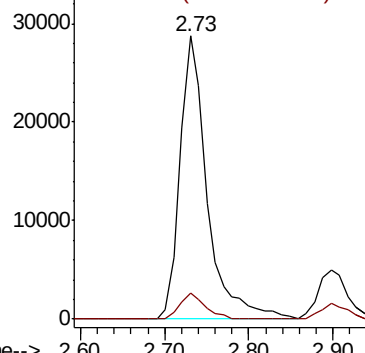
#17
Carbon Disulfide
Concen: 16.869 ug/l
RT: 2.73 min Scan# 255
Delta R.T. -0.00 min
Lab File: VD059699.D
Acq: 7 Aug 2018 12:29

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 64419
Ion Ratio Lower Upper
76 100
78 9.1 7.7 11.5

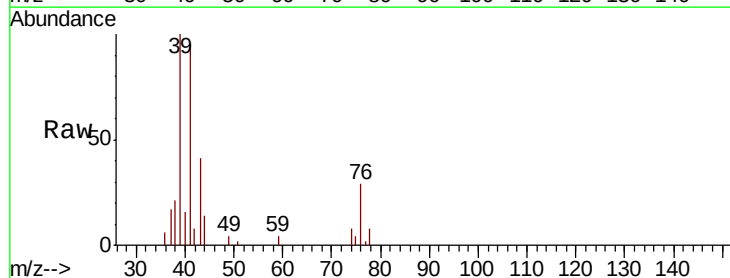


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

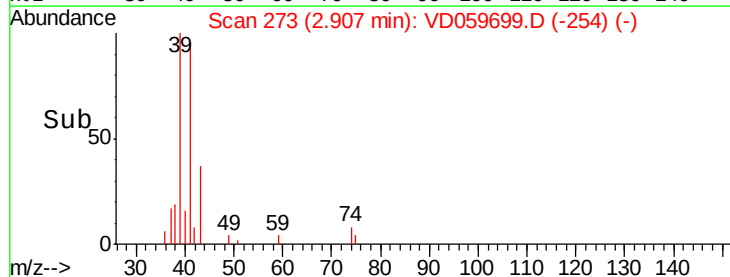
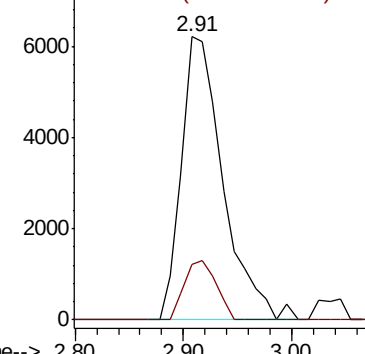


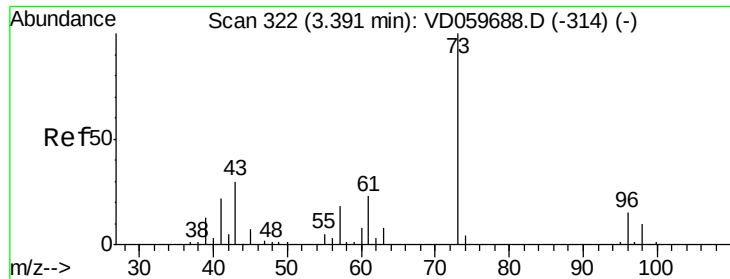
#18
Methyl Acetate
Concen: 17.275 ug/l
RT: 2.91 min Scan# 273
Delta R.T. -0.01 min
Lab File: VD059699.D
Acq: 7 Aug 2018 12:29

Tgt Ion: 43 Resp: 16600
Ion Ratio Lower Upper
43 100
74 19.5 15.7 23.5



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

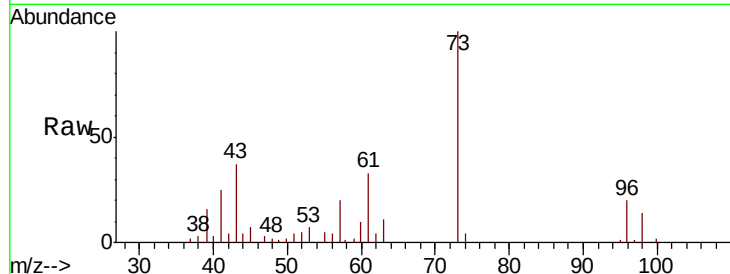




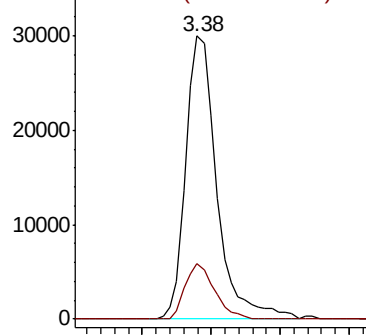
#19
Methyl tert-butyl Ether
Concen: 23.227 ug/l
RT: 3.38 min Scan# 321
Delta R.T. -0.01 min
Lab File: VD059699.D
Acq: 7 Aug 2018 12:29

Instrument :
MSVOA_D
ClientSampleId :

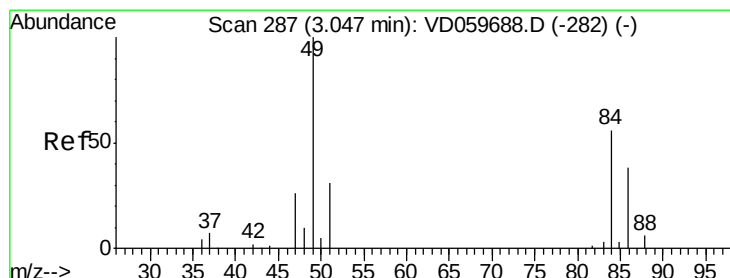
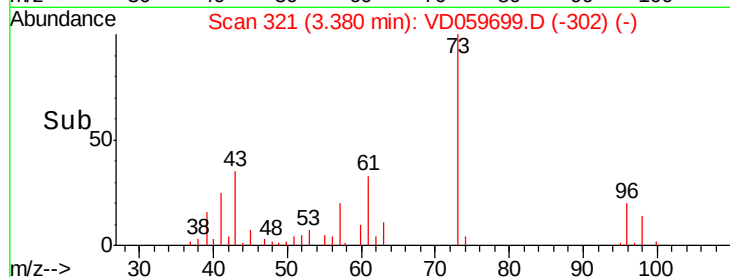
Tot Ion: 73 Resp: 93696
Ion Ratio Lower Upper
73 100
57 19.8 14.3 21.5



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

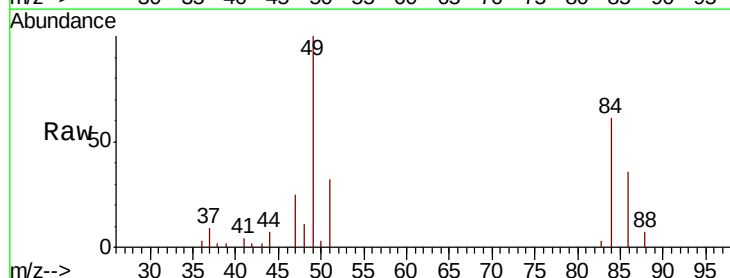


Time-->

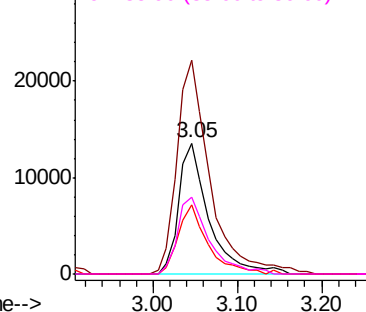


#20
Methylene Chloride
Concen: 16.856 ug/l
RT: 3.05 min Scan# 287
Delta R.T. -0.00 min
Lab File: VD059699.D
Acq: 7 Aug 2018 12:29

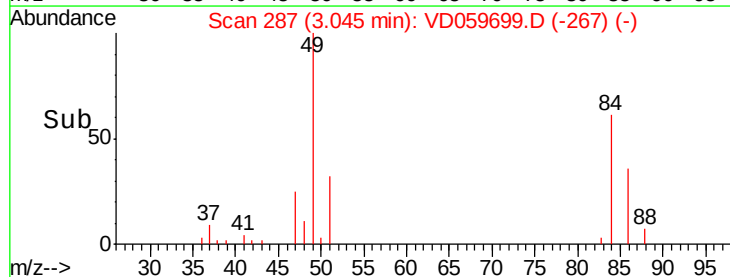
Tgt Ion: 84 Resp: 33728
Ion Ratio Lower Upper
84 100
49 162.9 143.4 215.2
51 52.3 44.2 66.4
86 58.4 55.0 82.6

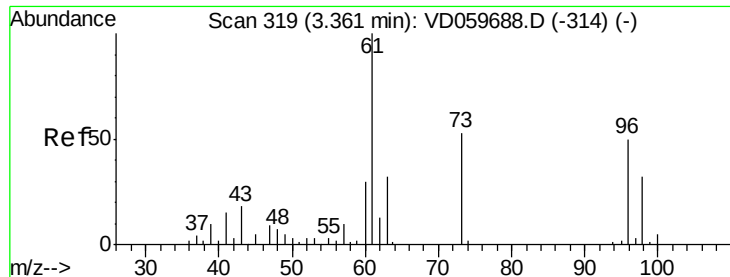


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC



Time-->





#21

trans-1,2-Dichloroethene

Concen: 21.730 ug/l

RT: 3.36 min Scan# 319

Delta R.T. -0.00 min

Lab File: VD059699.D

Acq: 7 Aug 2018 12:29

Instrument :
MSVOA_D
ClientSampled :

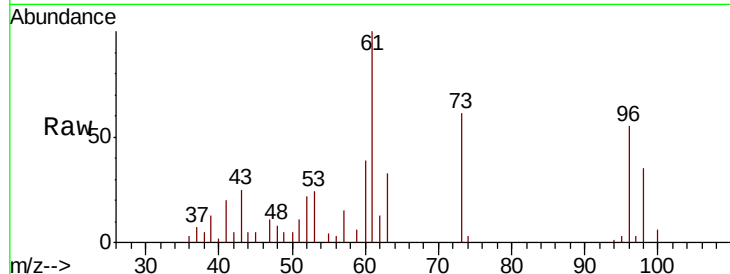
Tot Ion: 96 Resp: 30067

Ion Ratio Lower Upper

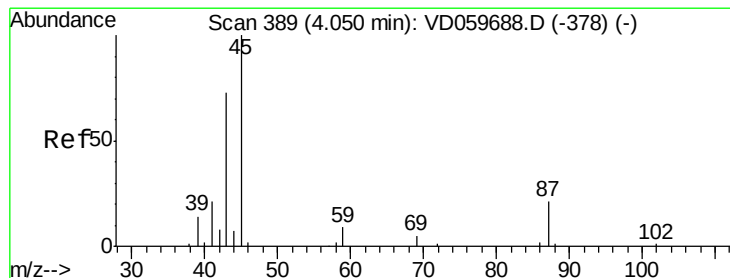
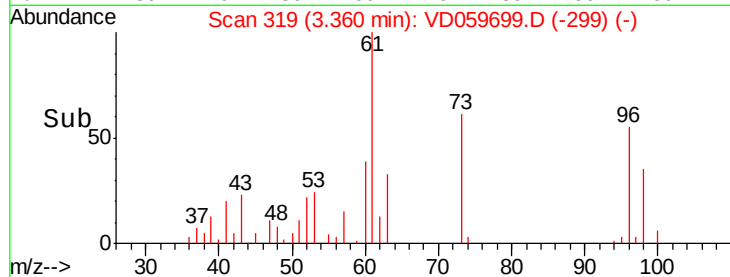
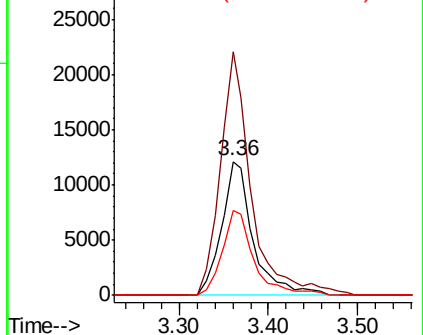
96 100

61 182.3 160.6 241.0

98 63.9 50.9 76.3



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: 19.985 ug/l

RT: 4.05 min Scan# 389

Delta R.T. -0.00 min

Lab File: VD059699.D

Acq: 7 Aug 2018 12:29

Tgt Ion: 45 Resp: 113708

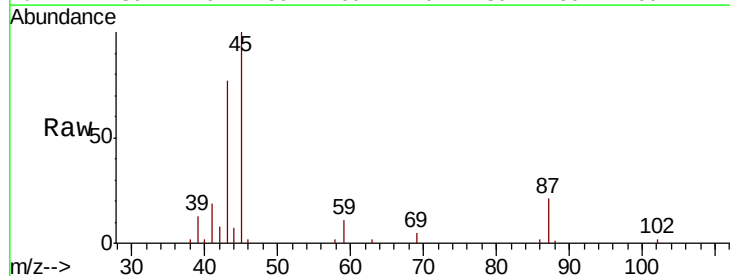
Ion Ratio Lower Upper

45 100

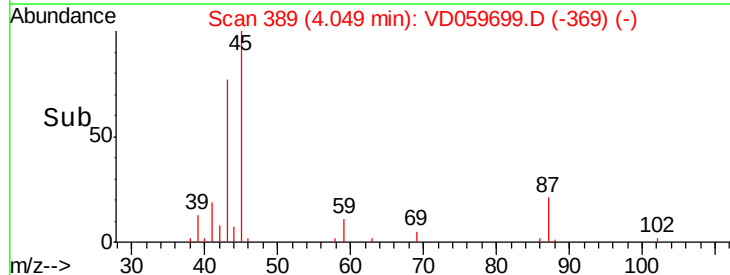
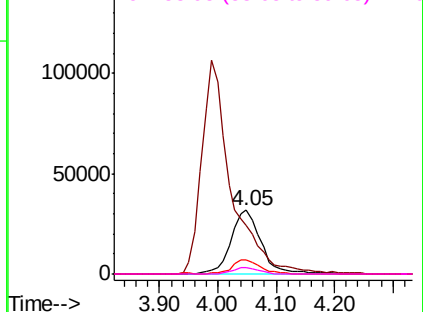
43 76.6 60.3 90.5

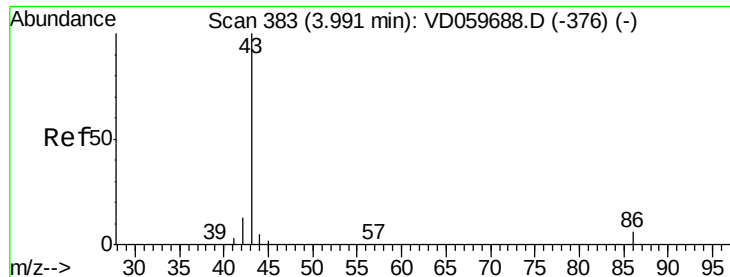
87 21.5 17.0 25.6

59 10.6 7.9 11.9



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: 103.292 ug/l

RT: 3.99 min Scan# 383

Delta R.T. -0.00 min

Lab File: VD059699.D

Acq: 7 Aug 2018 12:29

Instrument :

MSVOA_D

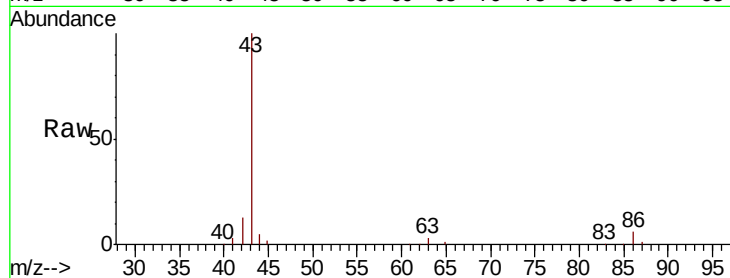
ClientSampled :

Tot Ion: 43 Resp: 372583

Ion Ratio Lower Upper

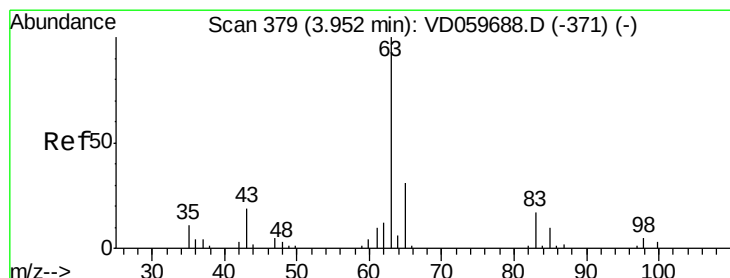
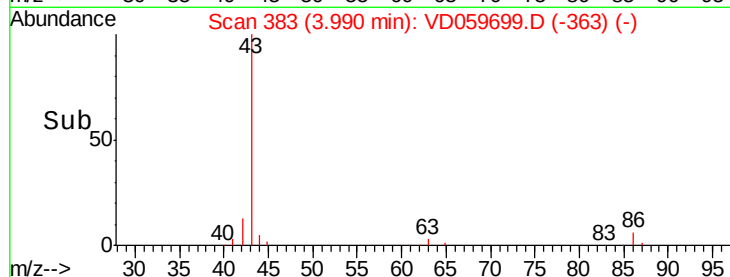
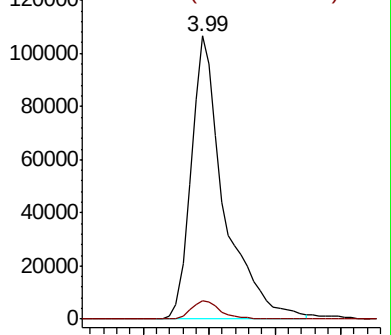
43 100

86 6.5 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.563 ug/l

RT: 3.95 min Scan# 379

Delta R.T. -0.00 min

Lab File: VD059699.D

Acq: 7 Aug 2018 12:29

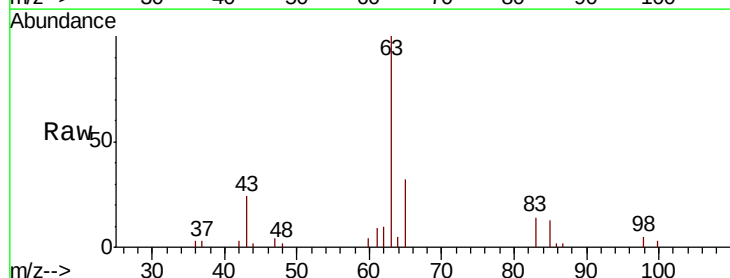
Tgt Ion: 63 Resp: 73667

Ion Ratio Lower Upper

63 100

98 4.9 2.4 7.1

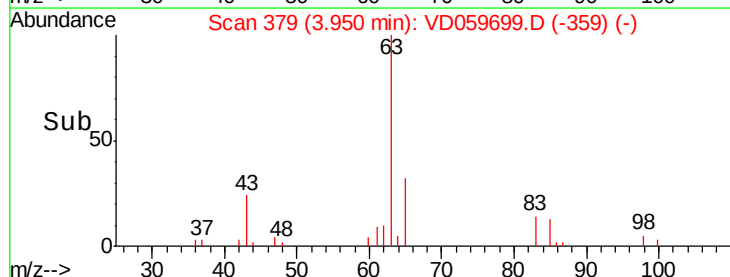
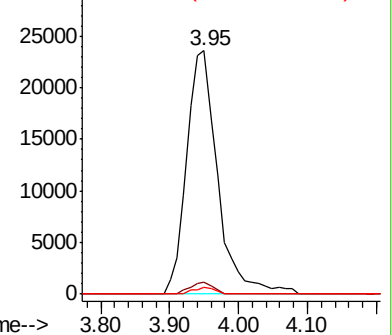
100 2.7 1.6 4.8

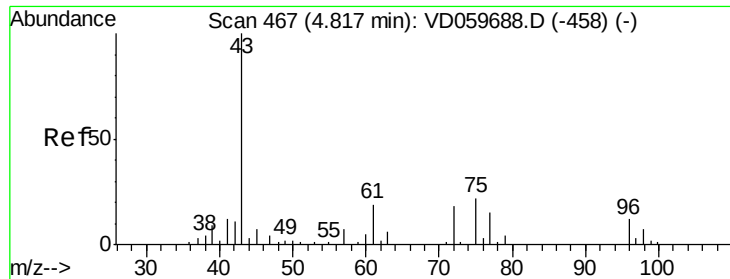


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 90.809 ug/l

RT: 4.82 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD059699.D

Acq: 7 Aug 2018 12:29

Instrument :

MSVOA_D

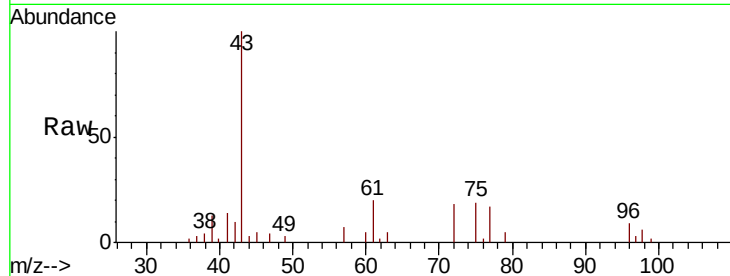
ClientSampled :

Tot Ion: 43 Resp: 62024

Ion Ratio Lower Upper

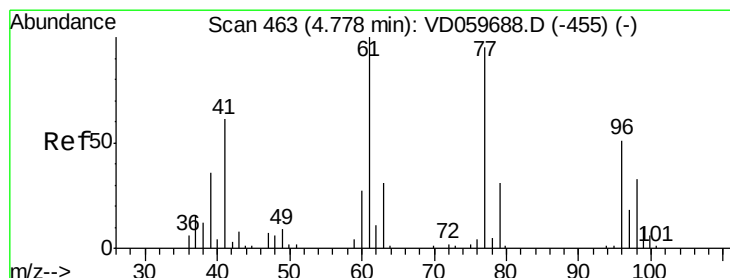
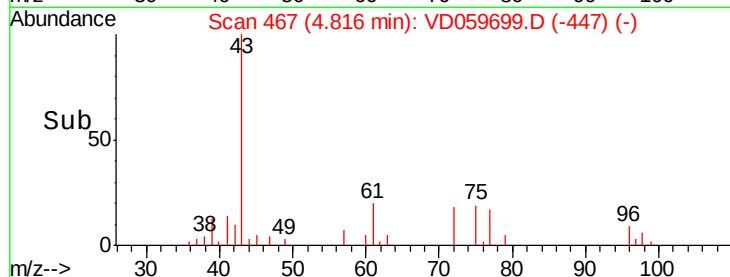
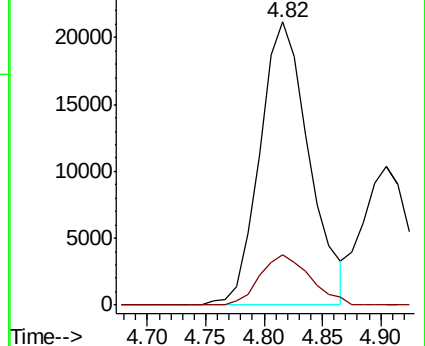
43 100

72 17.7 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.429 ug/l

RT: 4.78 min Scan# 463

Delta R.T. -0.00 min

Lab File: VD059699.D

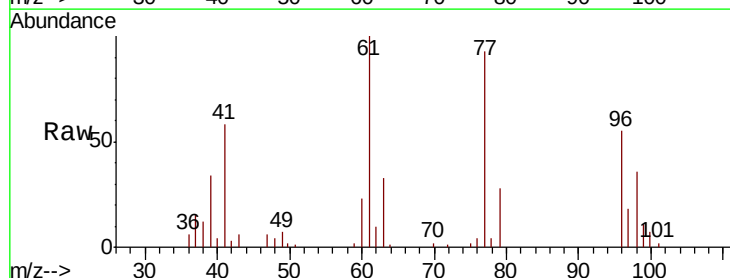
Acq: 7 Aug 2018 12:29

Tgt Ion: 77 Resp: 78135

Ion Ratio Lower Upper

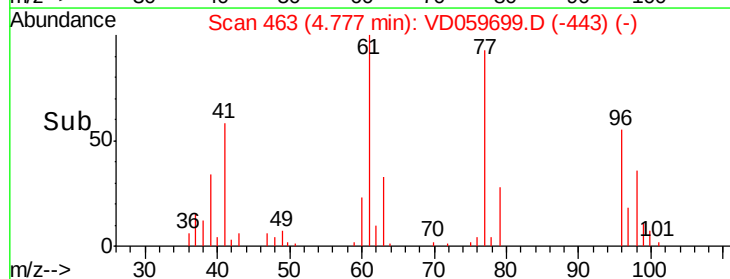
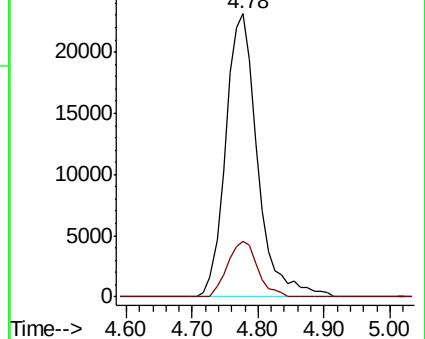
77 100

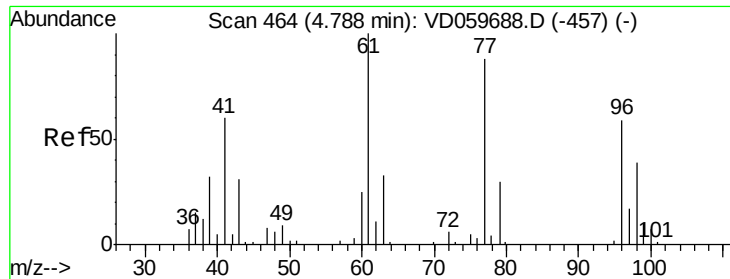
97 19.5 9.4 28.3



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



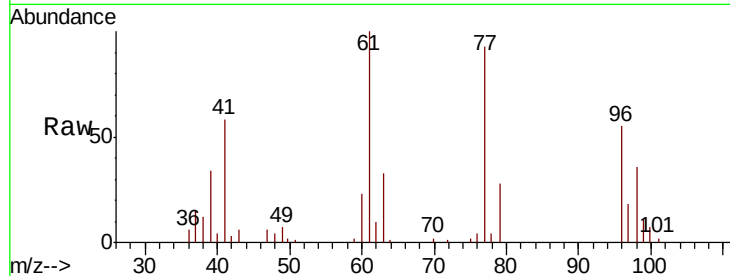


#27

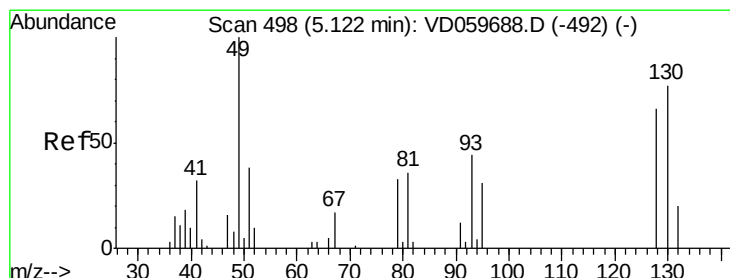
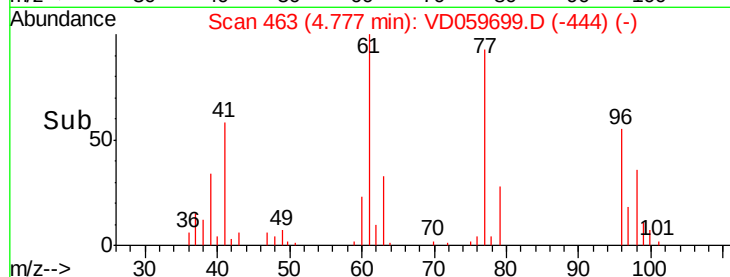
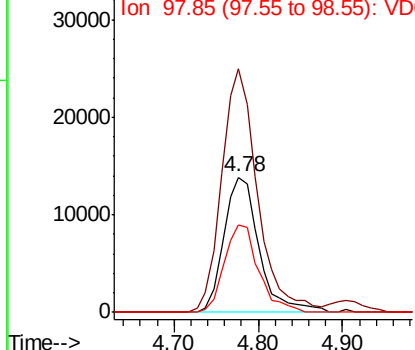
cis-1,2-Dichloroethene
 Concen: 19.899 ug/l
 RT: 4.78 min Scan# 463
 Delta R.T. -0.01 min
 Lab File: VD059699.D
 Acq: 7 Aug 2018 12:29

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 96 Resp: 39980
 Ion Ratio Lower Upper
 96 100
 61 180.5 0.0 341.6
 98 65.0 0.0 131.0



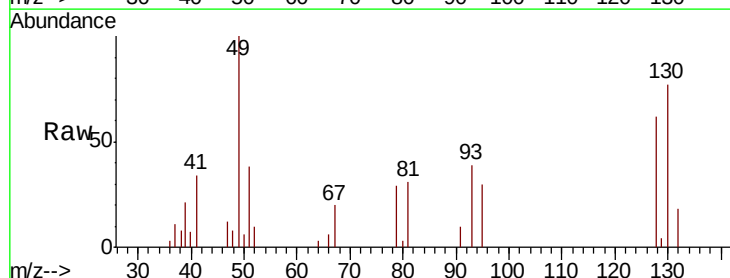
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



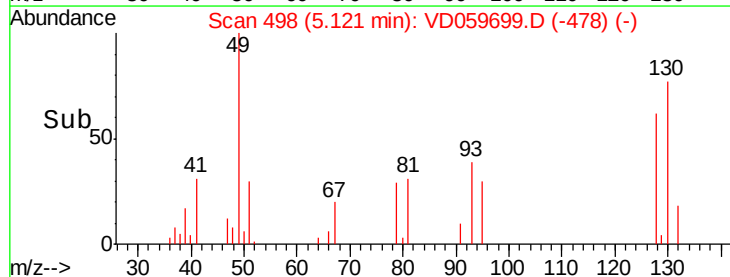
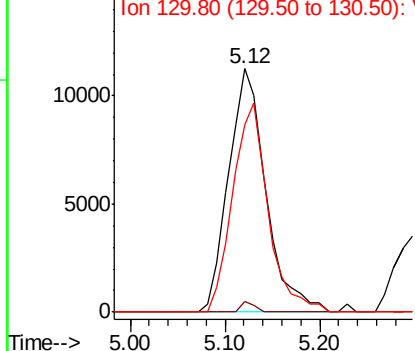
#28

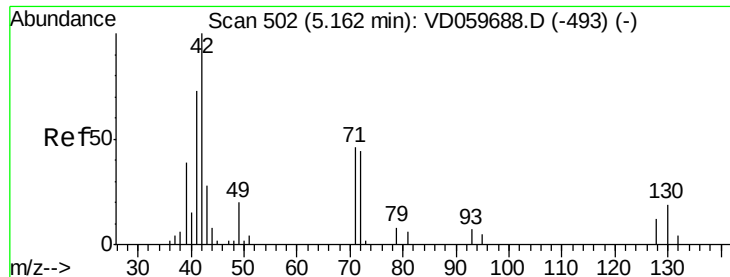
Bromochloromethane
 Concen: 22.034 ug/l
 RT: 5.12 min Scan# 498
 Delta R.T. -0.00 min
 Lab File: VD059699.D
 Acq: 7 Aug 2018 12:29

Tgt Ion: 49 Resp: 30634
 Ion Ratio Lower Upper
 49 100
 129 4.3 0.0 0.0#
 130 76.9 61.2 91.8



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





#29

Tetrahydrofuran

Concen: 107.954 ug/l

RT: 5.16 min Scan# 502

Delta R.T. -0.00 min

Lab File: VD059699.D

Acq: 7 Aug 2018 12:29

Instrument :

MSVOA_D

ClientSampled :

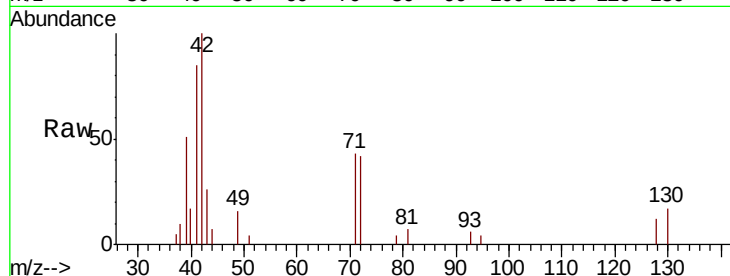
Tot Ion: 42 Resp: 28556

Ion Ratio Lower Upper

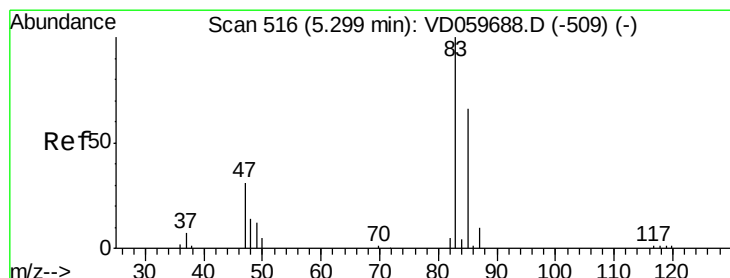
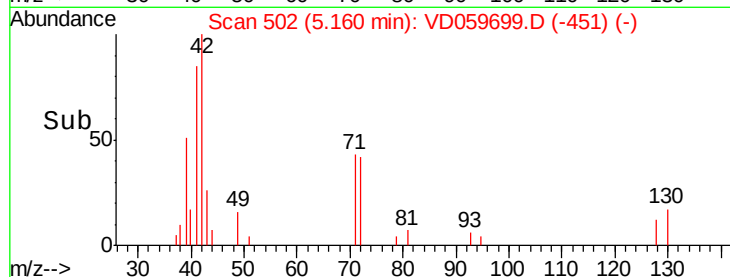
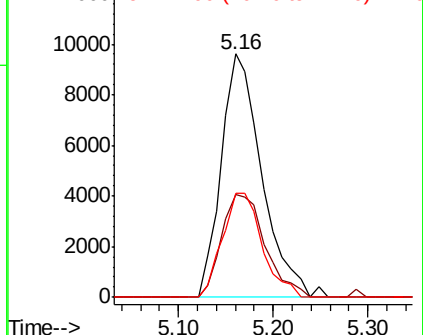
42 100

72 45.2 36.7 55.1

71 41.7 36.3 54.5



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 19.788 ug/l

RT: 5.30 min Scan# 516

Delta R.T. -0.00 min

Lab File: VD059699.D

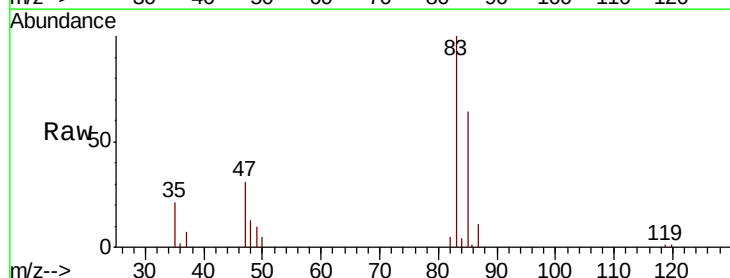
Acq: 7 Aug 2018 12:29

Tgt Ion: 83 Resp: 90828

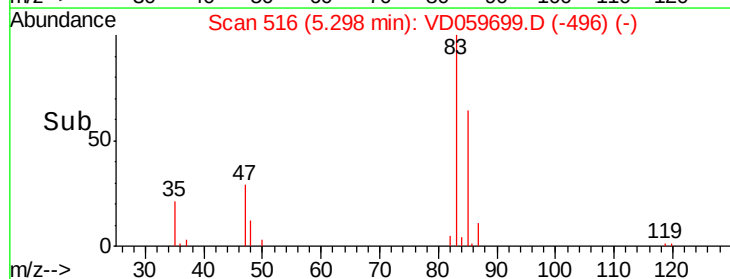
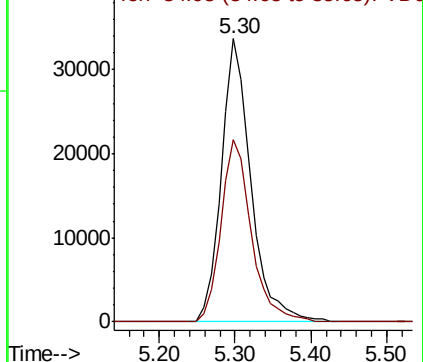
Ion Ratio Lower Upper

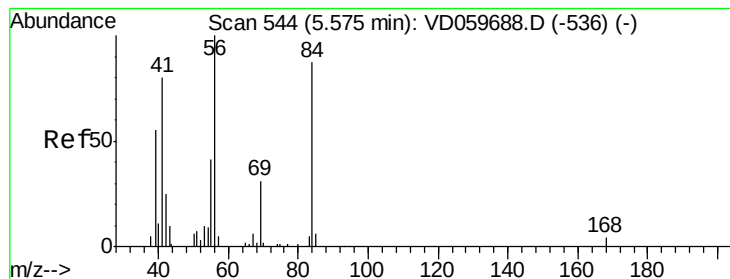
83 100

85 64.2 52.6 79.0



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 17.768 ug/l

RT: 5.57 min Scan# 544

Delta R.T. -0.00 min

Lab File: VD059699.D

Acq: 7 Aug 2018 12:29

Instrument :

MSVOA_D

ClientSampleId :

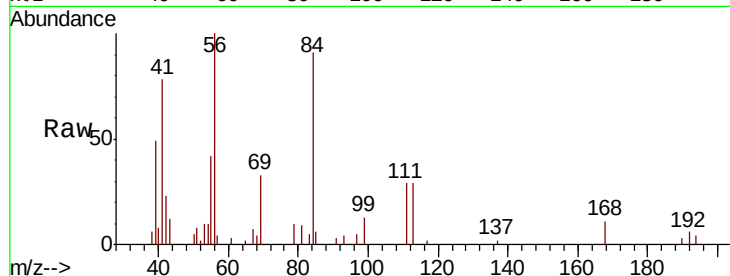
Tot Ion: 56 Resp: 48878

Ion Ratio Lower Upper

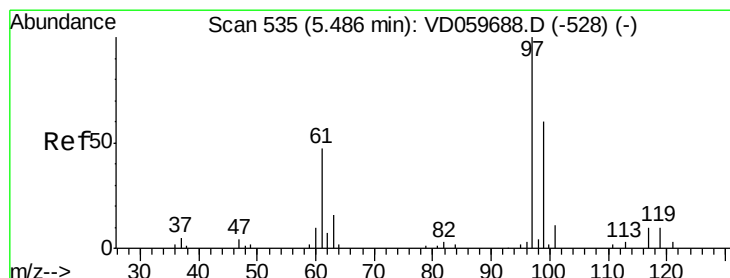
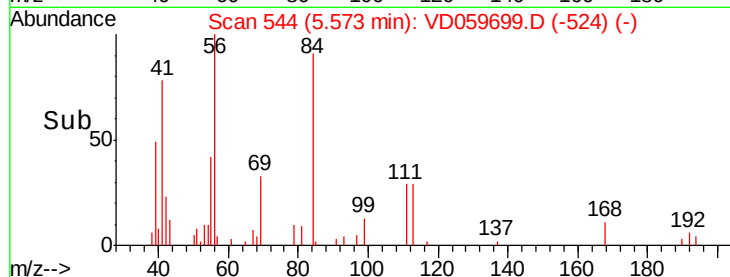
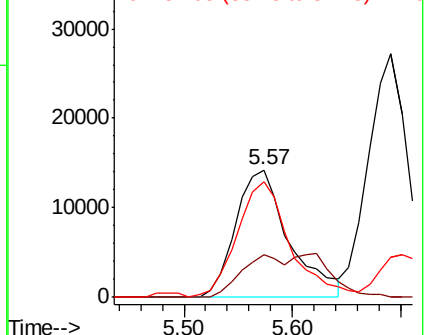
56 100

69 33.1 24.7 37.1

84 90.7 72.2 108.2



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 18.426 ug/l

RT: 5.48 min Scan# 535

Delta R.T. -0.00 min

Lab File: VD059699.D

Acq: 7 Aug 2018 12:29

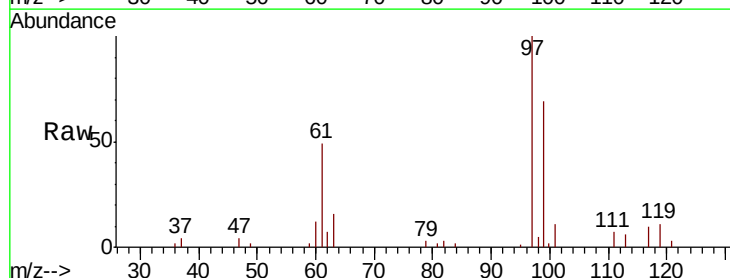
Tgt Ion: 97 Resp: 82263

Ion Ratio Lower Upper

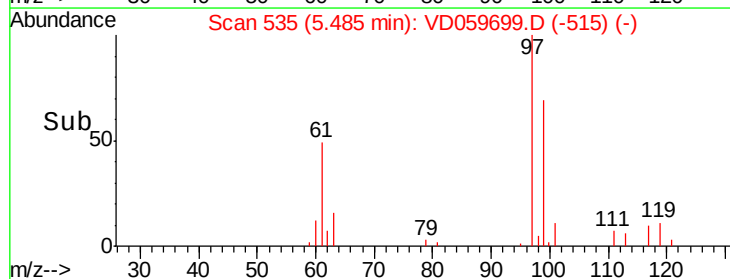
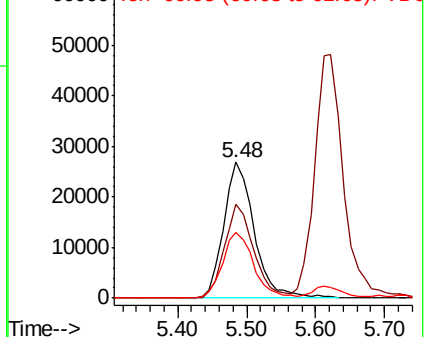
97 100

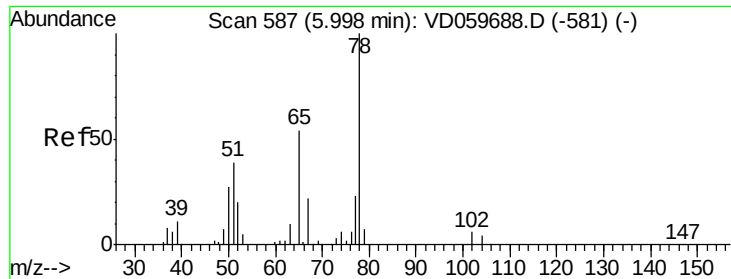
99 68.7 48.2 72.2

61 48.5 37.5 56.3



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

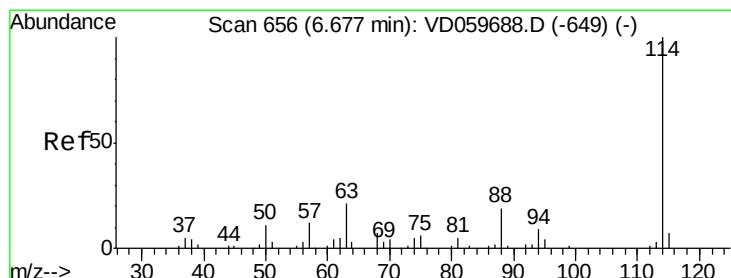
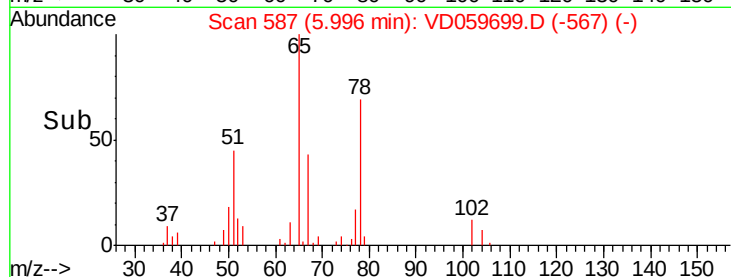
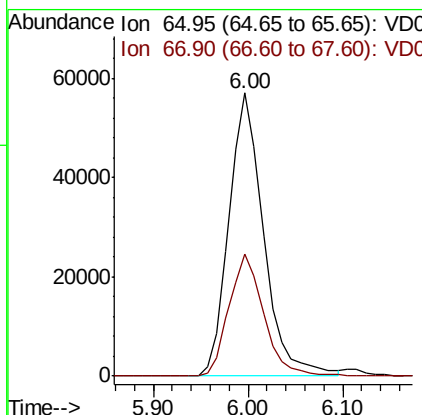
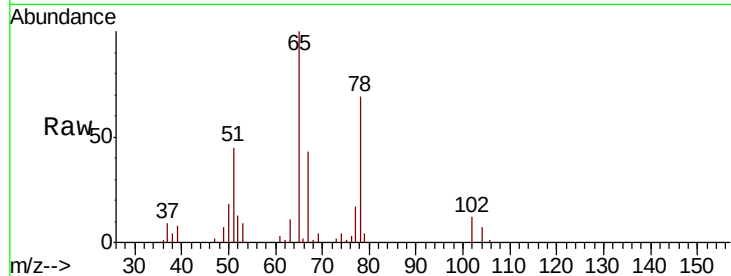




#33
 1,2-Dichloroethane-d4
 Concen: 18.426 ug/l
 RT: 6.00 min Scan# 587
 Delta R.T. -0.00 min
 Lab File: VD059699.D
 Acq: 7 Aug 2018 12:29

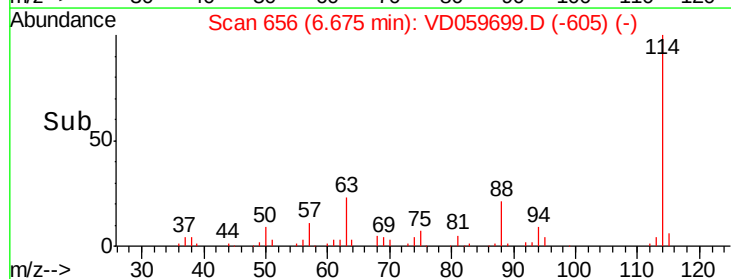
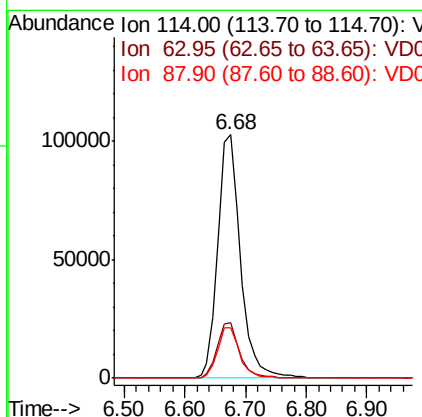
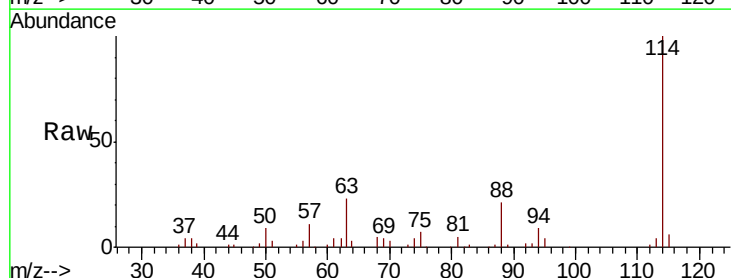
Instrument :
 MSVOA_D
 ClientSampleId :

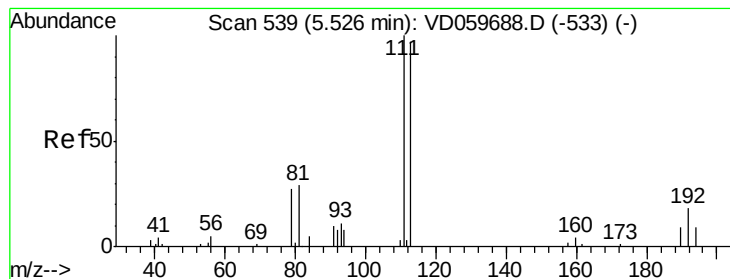
Tot Ion: 65 Resp: 144632
 Ion Ratio Lower Upper
 65 100
 67 43.1 0.0 80.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. -0.00 min
 Lab File: VD059699.D
 Acq: 7 Aug 2018 12:29

Tgt Ion: 114 Resp: 268353
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 42.6
 88 20.6 0.0 38.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.52 min Scan# 539

Delta R.T. -0.00 min

Lab File: VD059699.D

Acq: 7 Aug 2018 12:29

Instrument :

MSVOA_D

ClientSampleId :

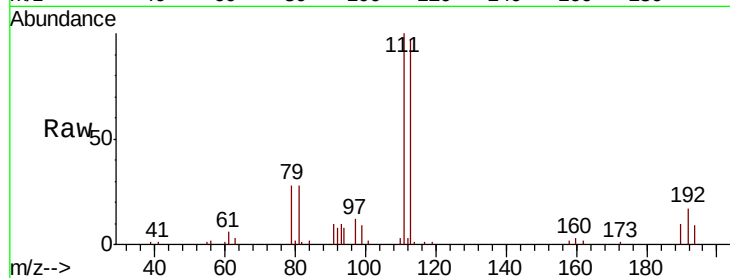
Tot Ion:113 Resp: 127788

Ion Ratio Lower Upper

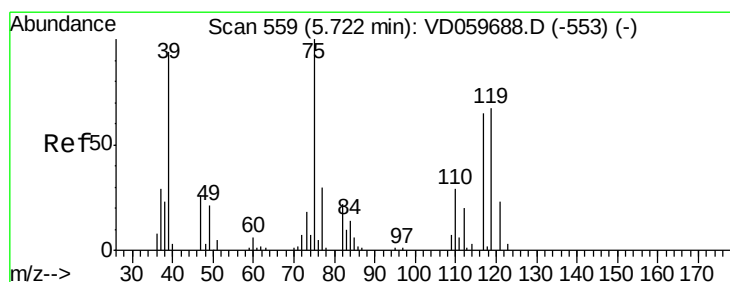
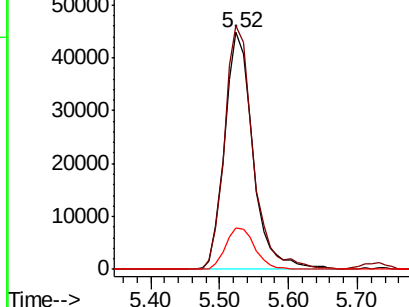
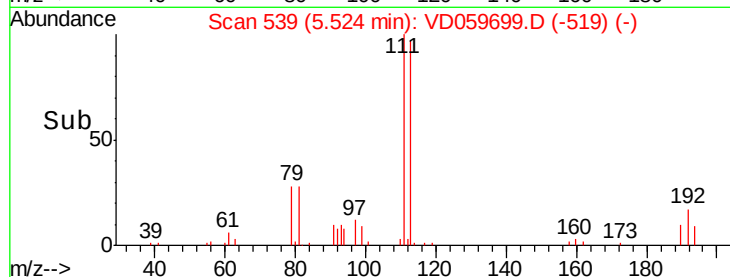
113 100

111 102.8 82.8 124.2

192 17.3 14.6 22.0



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



#36

1,1-Dichloropropene

Concen: 19.830 ug/l

RT: 5.72 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD059699.D

Acq: 7 Aug 2018 12:29

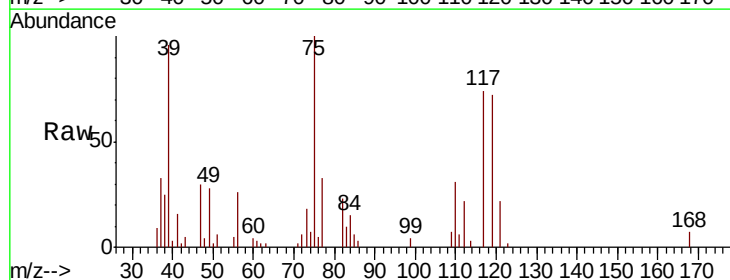
Tgt Ion: 75 Resp: 59160

Ion Ratio Lower Upper

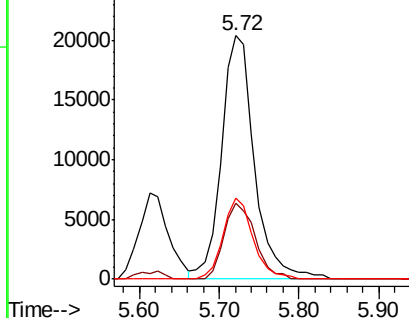
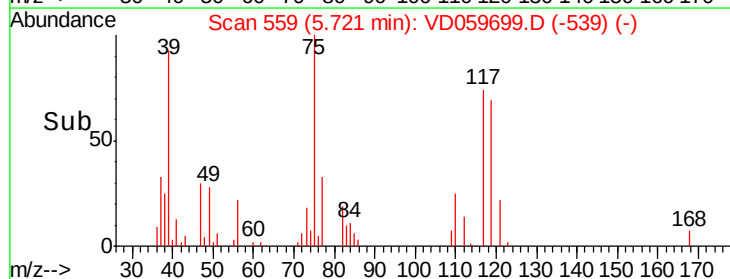
75 100

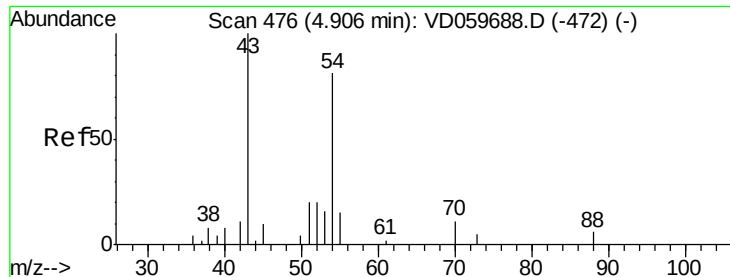
110 31.2 14.1 42.3

77 33.4 23.9 35.9



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

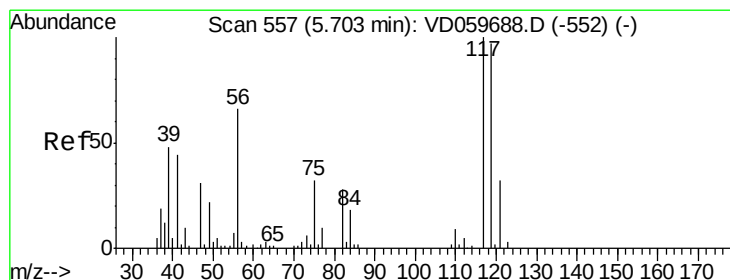
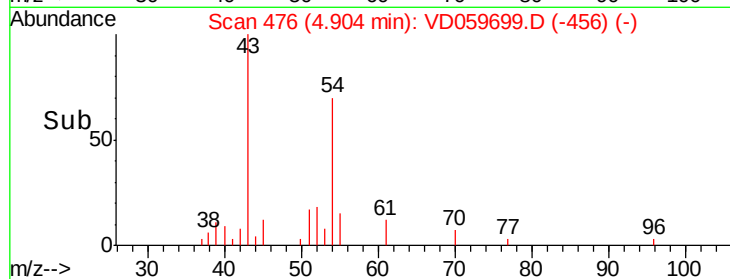
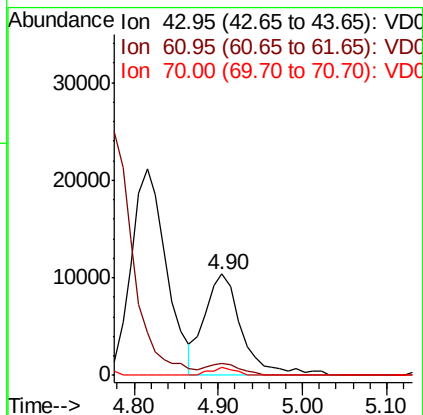
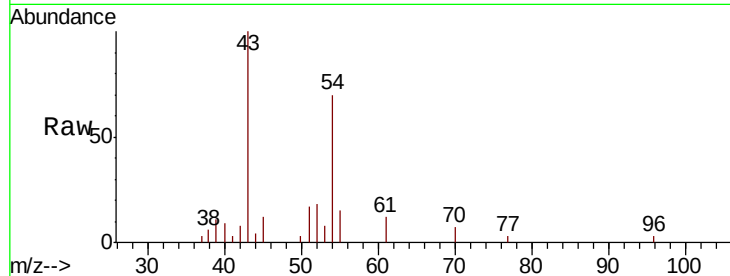




#37
Ethyl Acetate
Concen: 21.950 ug/l
RT: 4.90 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD059699.D
Acq: 7 Aug 2018 12:29

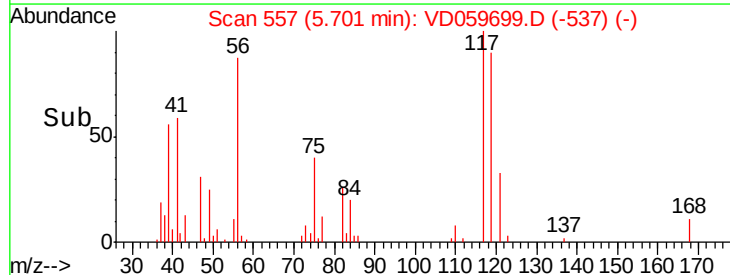
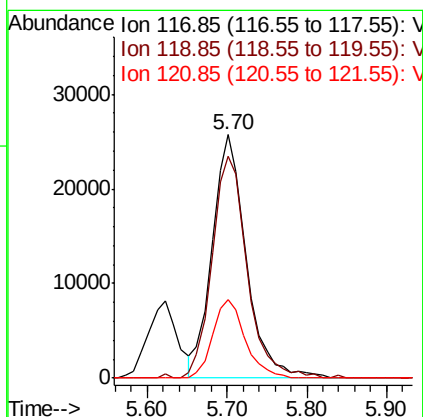
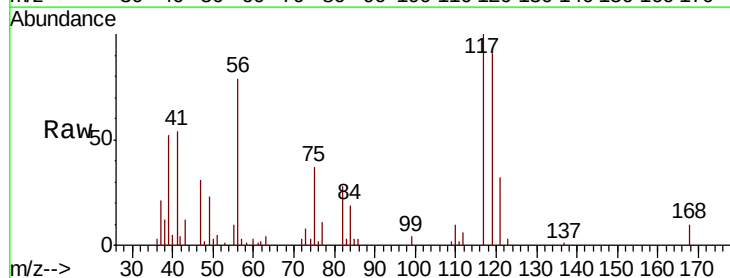
Instrument :
MSVOA_D
ClientSampleId :

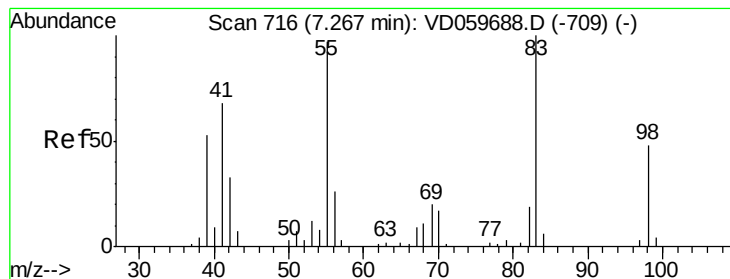
Tot Ion: 43 Resp: 31796
Ion Ratio Lower Upper
43 100
61 11.8 10.1 15.1
70 7.5 5.4 8.2



#38
Carbon Tetrachloride
Concen: 19.330 ug/l
RT: 5.70 min Scan# 557
Delta R.T. -0.00 min
Lab File: VD059699.D
Acq: 7 Aug 2018 12:29

Tgt Ion: 117 Resp: 77175
Ion Ratio Lower Upper
117 100
119 91.3 75.3 112.9
121 32.0 24.4 36.6





#39

Methylvlcyclohexane

Concen: 19.169 ug/l

RT: 7.27 min Scan# 716

Delta R.T. -0.00 min

Lab File: VD059699.D

Acq: 7 Aug 2018 12:29

Instrument :

MSVOA_D

ClientSampleId :

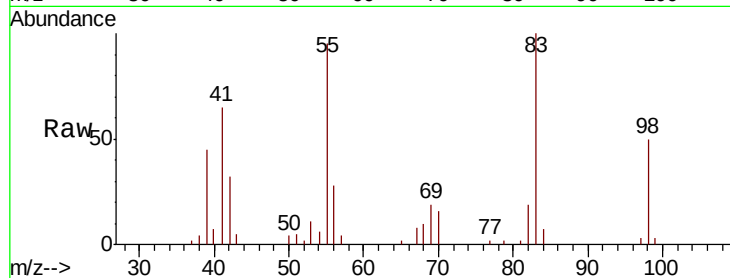
Tot Ion: 83 Resp: 48331

Ion Ratio Lower Upper

83 100

55 95.3 77.7 116.5

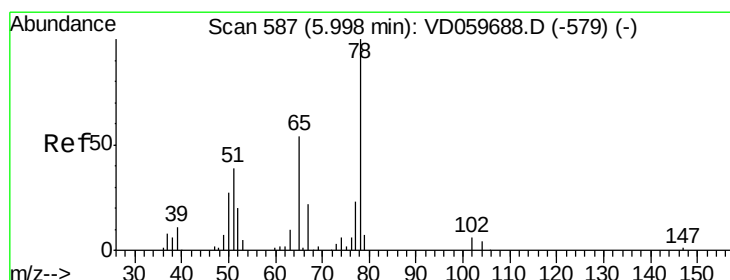
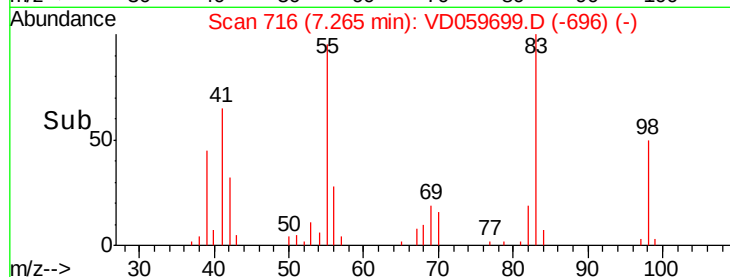
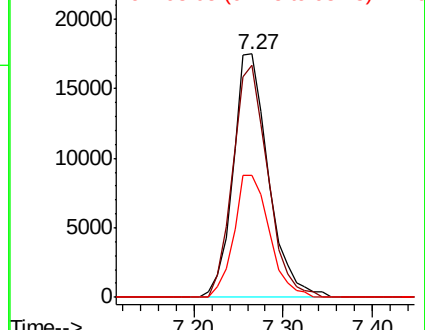
98 50.0 38.7 58.1



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: 19.378 ug/l

RT: 6.00 min Scan# 587

Delta R.T. -0.00 min

Lab File: VD059699.D

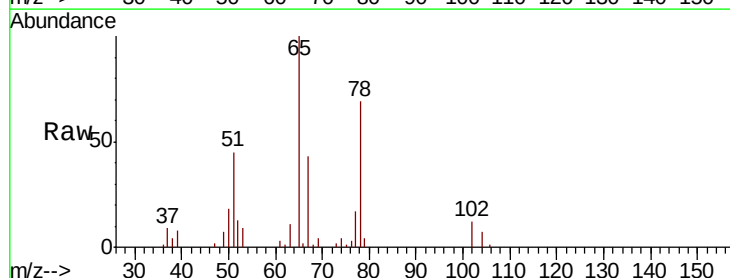
Acq: 7 Aug 2018 12:29

Tgt Ion: 78 Resp: 112122

Ion Ratio Lower Upper

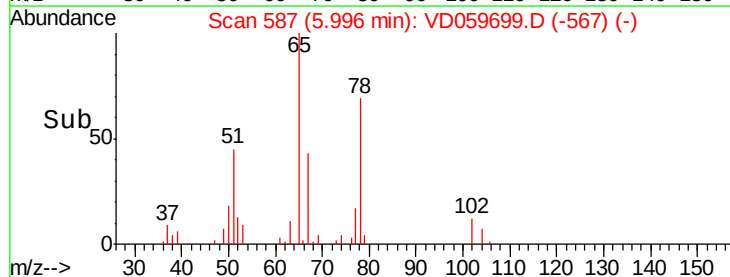
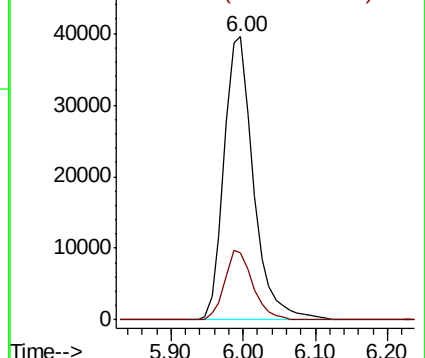
78 100

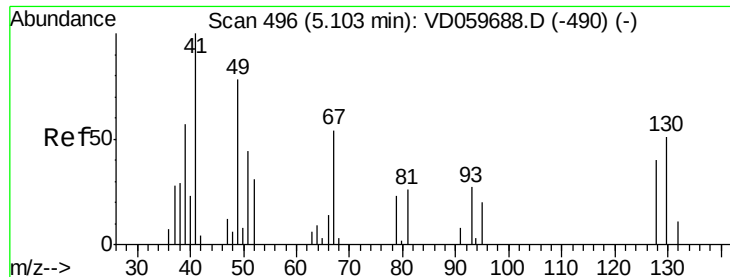
77 23.9 18.4 27.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

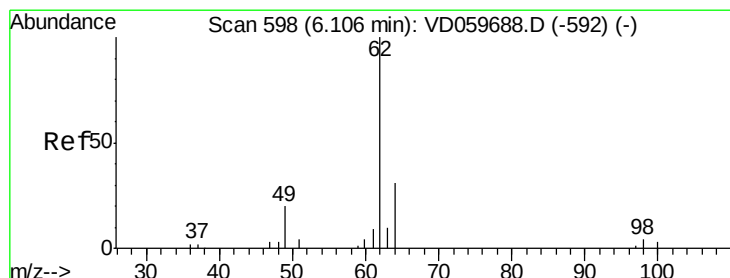
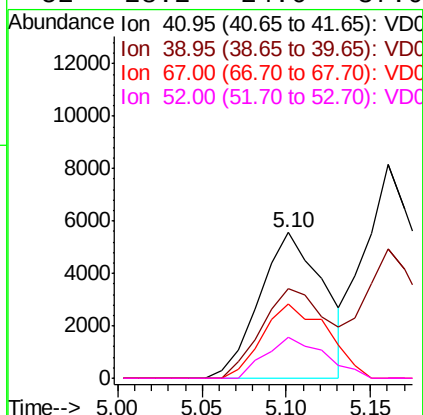
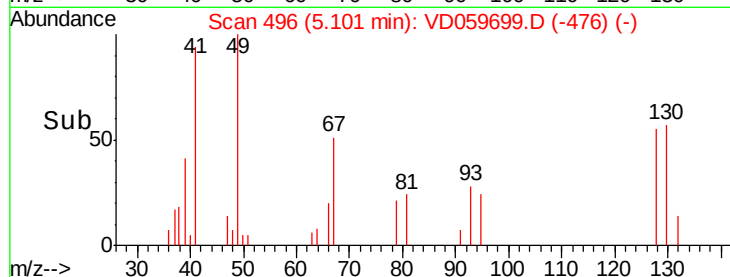
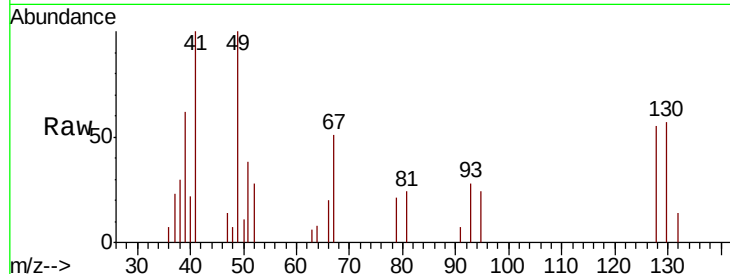




#41
Methacrylonitrile
Concen: 21.733 ug/l
RT: 5.10 min Scan# 496
Delta R.T. -0.00 min
Lab File: VD059699.D
Acq: 7 Aug 2018 12:29

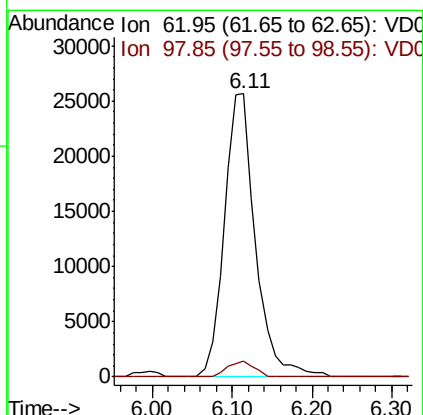
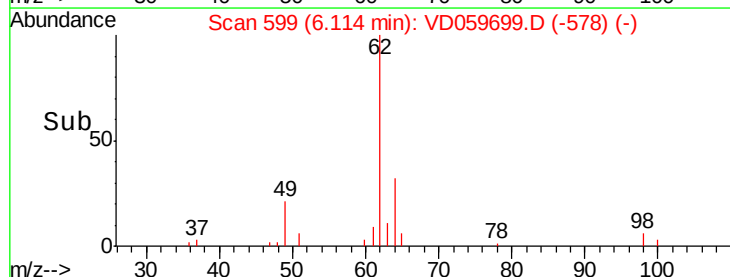
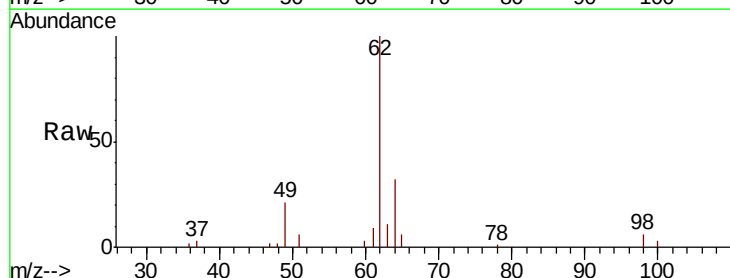
Instrument :
MSVOA_D
ClientSampleId :

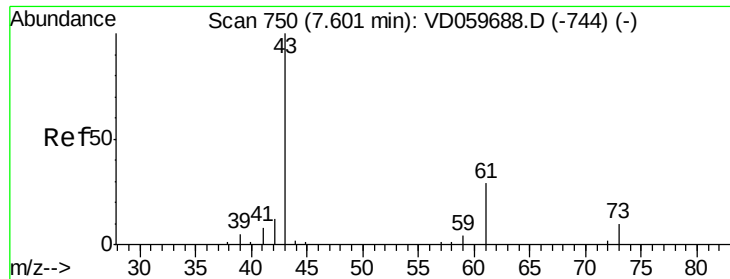
Tot Ion: 41 Resp: 14719
Ion Ratio Lower Upper
41 100
39 62.0 45.8 68.8
67 50.6 43.4 65.2
52 28.2 24.6 37.0



#42
1,2-Dichloroethane
Concen: 19.520 ug/l
RT: 6.11 min Scan# 599
Delta R.T. 0.01 min
Lab File: VD059699.D
Acq: 7 Aug 2018 12:29

Tgt Ion: 62 Resp: 69823
Ion Ratio Lower Upper
62 100
98 5.8 0.0 8.8





#43

Isopropyl Acetate

Concen: 20.018 ug/l

RT: 7.60 min Scan# 750

Delta R.T. -0.00 min

Lab File: VD059699.D

Acq: 7 Aug 2018 12:29

Instrument :

MSVOA_D

ClientSampleId :

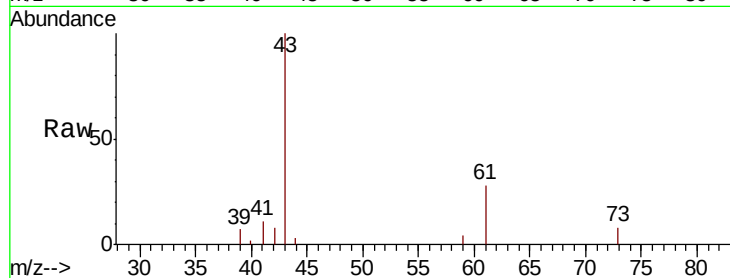
Tot Ion: 43 Resp: 37901

Ion Ratio Lower Upper

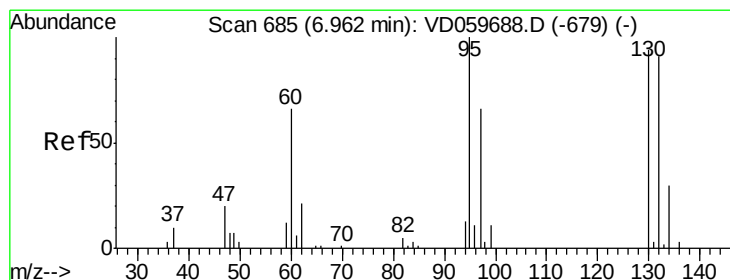
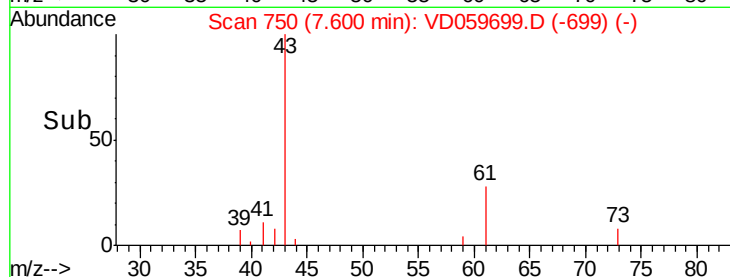
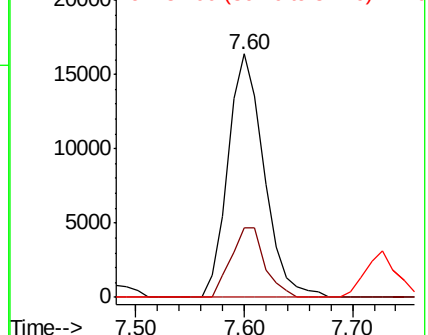
43 100

61 28.4 22.9 34.3

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: 19.617 ug/l

RT: 6.96 min Scan# 685

Delta R.T. -0.00 min

Lab File: VD059699.D

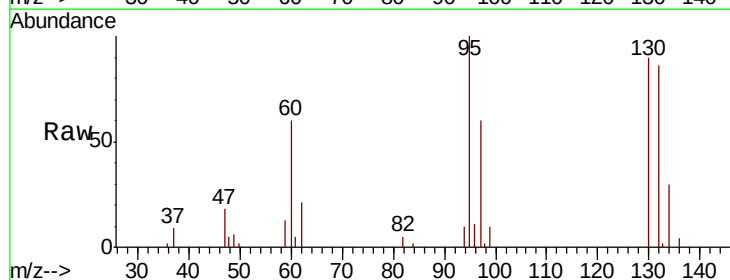
Acq: 7 Aug 2018 12:29

Tgt Ion:130 Resp: 41468

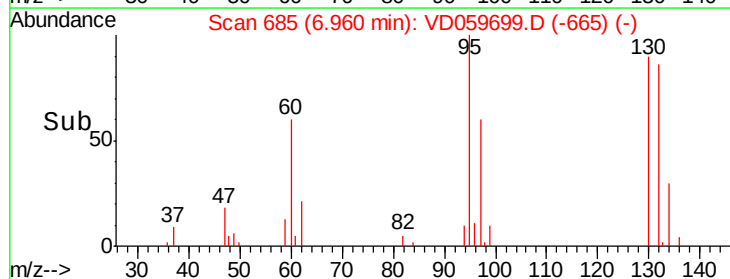
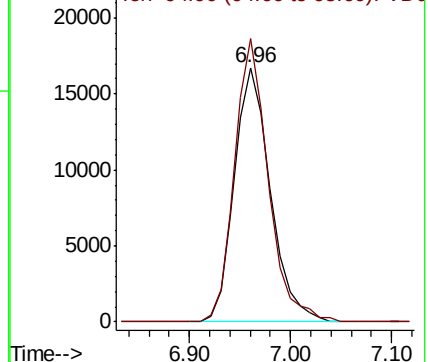
Ion Ratio Lower Upper

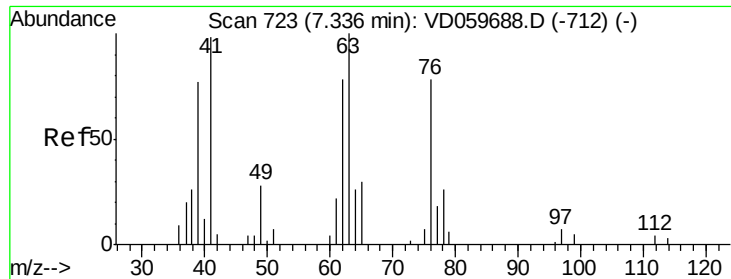
130 100

95 111.3 0.0 212.8



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

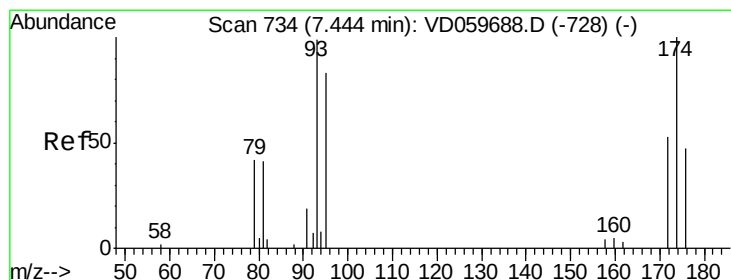
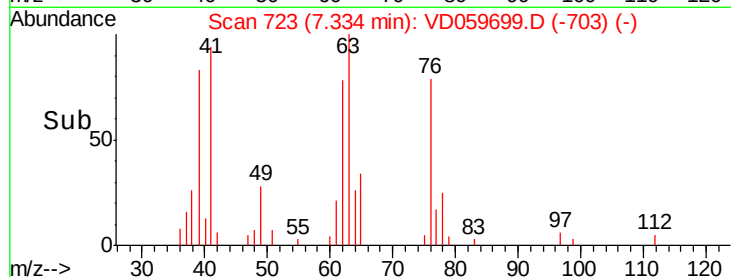
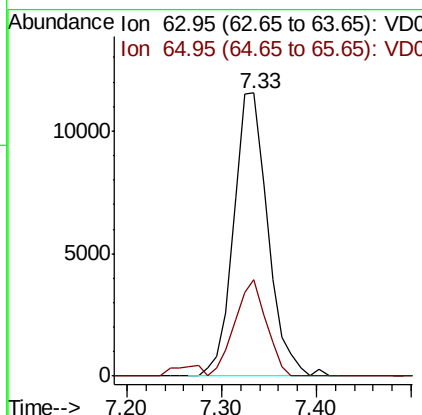
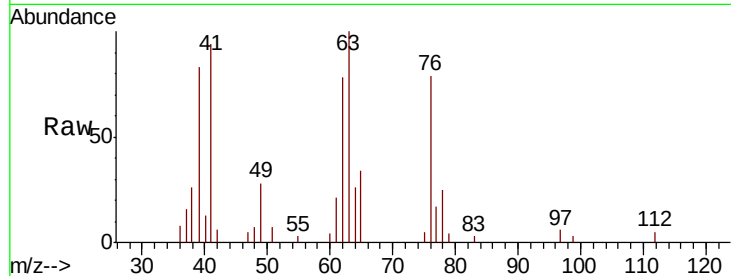




#45
 1,2-Dichloropropane
 Concen: 18.931 ug/l
 RT: 7.33 min Scan# 723
 Delta R.T. -0.00 min
 Lab File: VD059699.D
 Acq: 7 Aug 2018 12:29

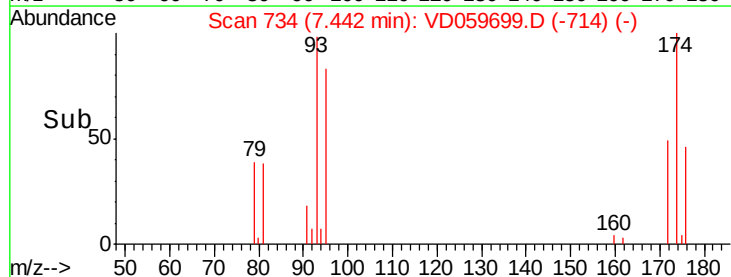
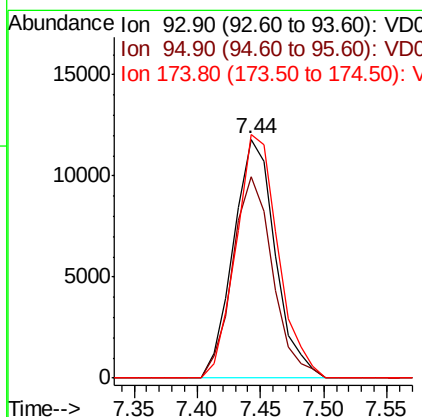
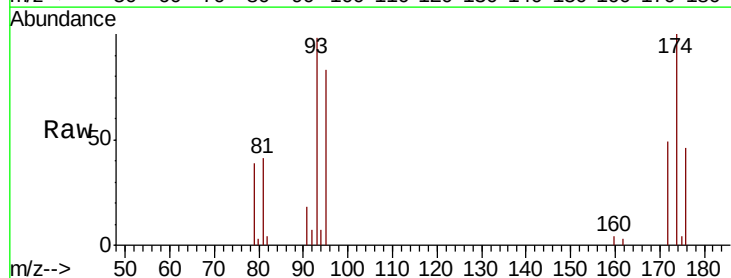
Instrument :
 MSVOA_D
 ClientSampleId :

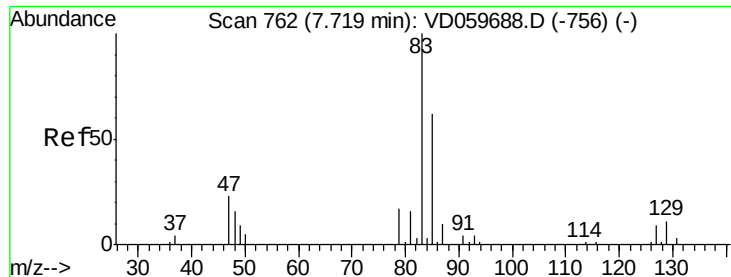
Tot Ion: 63 Resp: 28923
 Ion Ratio Lower Upper
 63 100
 65 34.2 24.2 36.4



#46
 Dibromomethane
 Concen: 20.469 ug/l
 RT: 7.44 min Scan# 734
 Delta R.T. -0.00 min
 Lab File: VD059699.D
 Acq: 7 Aug 2018 12:29

Tgt Ion: 93 Resp: 27100
 Ion Ratio Lower Upper
 93 100
 95 84.2 66.6 100.0
 174 102.0 80.6 120.8





#47

Bromodichloromethane

Concen: 19.247 ug/l

RT: 7.73 min Scan# 763

Delta R.T. 0.01 min

Lab File: VD059699.D

Acq: 7 Aug 2018 12:29

Instrument :

MSVOA_D

ClientSampleId :

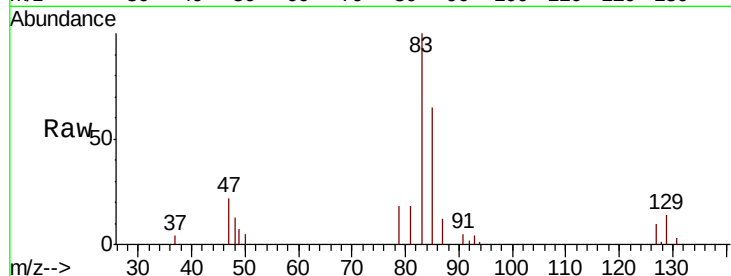
Tot Ion: 83 Resp: 64906

Ion Ratio Lower Upper

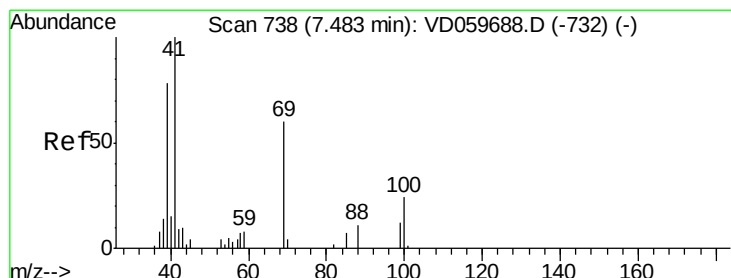
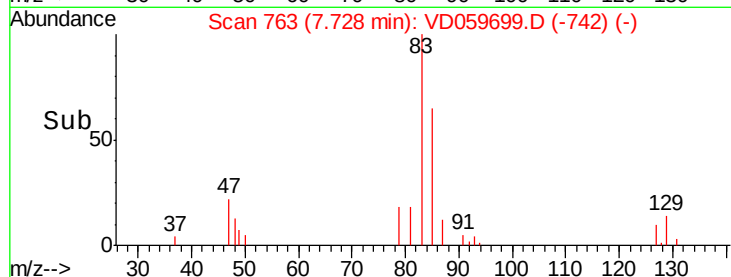
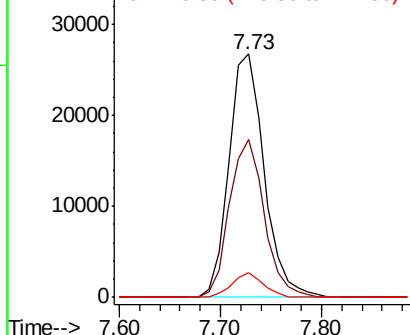
83 100

85 64.9 49.8 74.8

127 10.0 7.3 10.9



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: 20.663 ug/l

RT: 7.49 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD059699.D

Acq: 7 Aug 2018 12:29

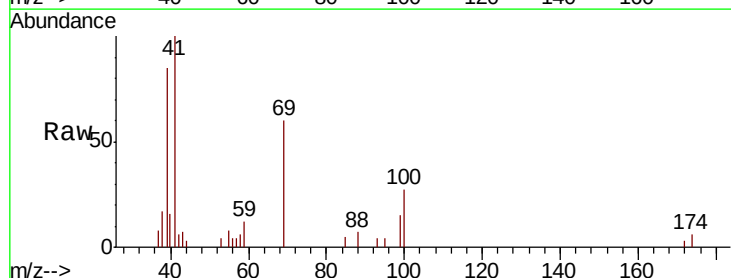
Tgt Ion: 41 Resp: 25822

Ion Ratio Lower Upper

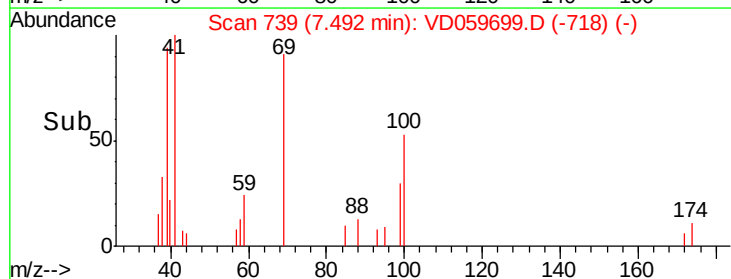
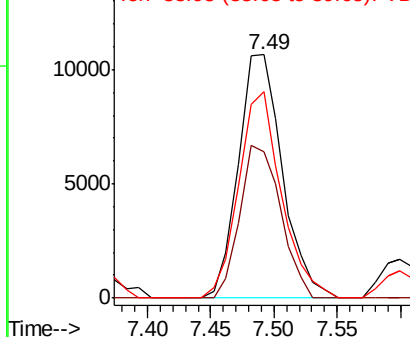
41 100

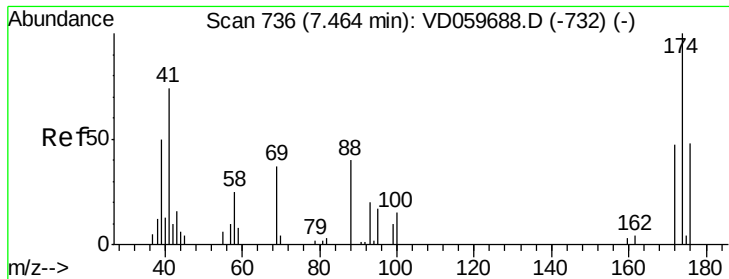
69 60.2 47.3 70.9

39 84.7 62.9 94.3



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: 417.527 ug/l

RT: 7.48 min Scan# 738

Delta R.T. 0.02 min

Lab File: VD059699.D

Acq: 7 Aug 2018 12:29

Instrument :

MSVOA_D

ClientSampleId :

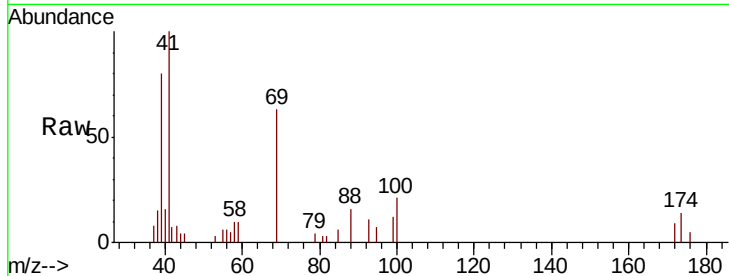
Tot Ion: 88 Resp: 4275

Ion Ratio Lower Upper

88 100

43 49.0 32.2 48.2#

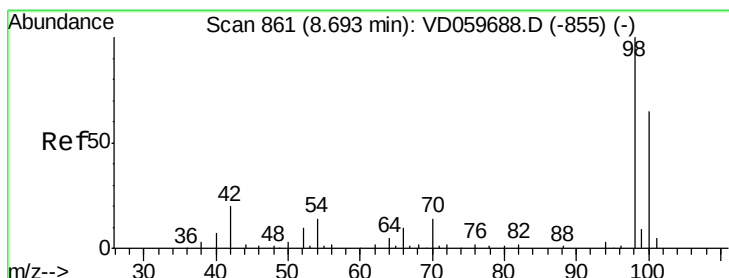
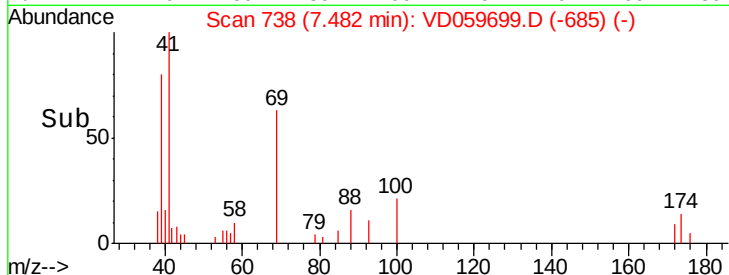
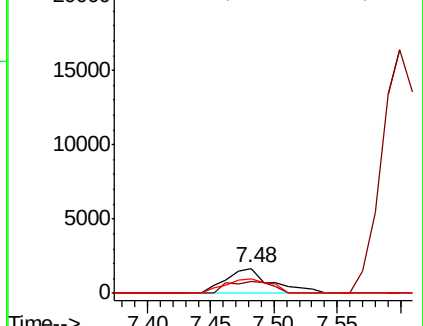
58 59.8 51.5 77.3



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: 417.527 ug/l

RT: 8.69 min Scan# 861

Delta R.T. -0.00 min

Lab File: VD059699.D

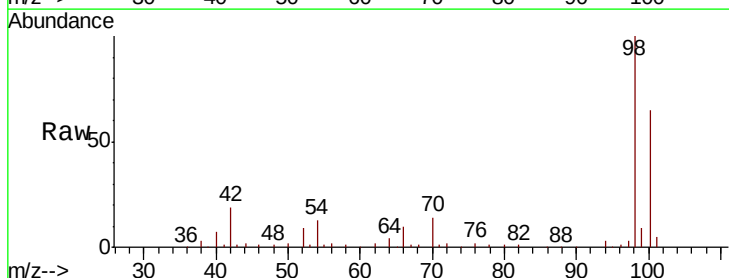
Acq: 7 Aug 2018 12:29

Tgt Ion: 98 Resp: 266877

Ion Ratio Lower Upper

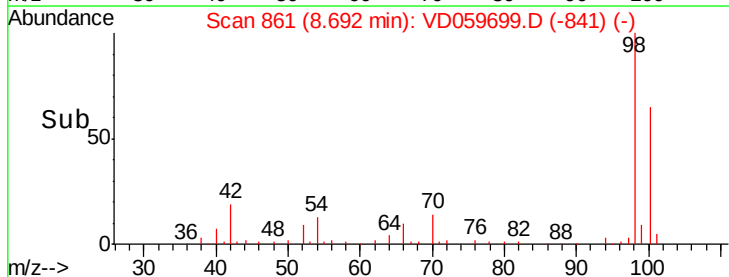
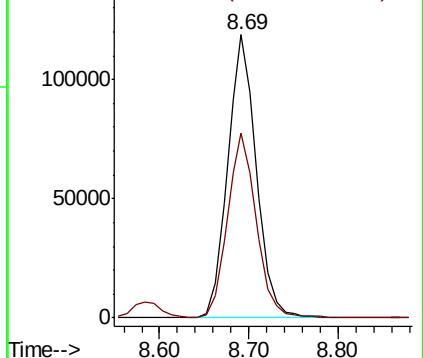
98 100

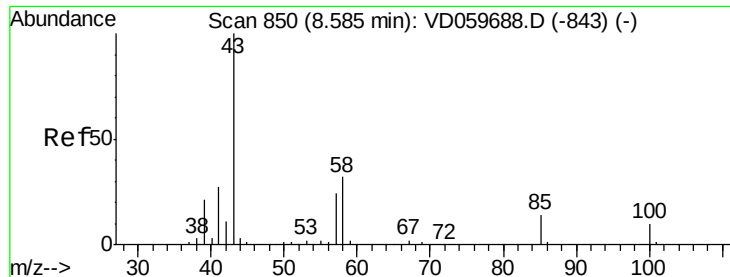
100 65.5 52.5 78.7



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: 93.203 ug/l

RT: 8.58 min Scan# 850

Delta R.T. -0.00 min

Lab File: VD059699.D

Acq: 7 Aug 2018 12:29

Instrument :

MSVOA_D

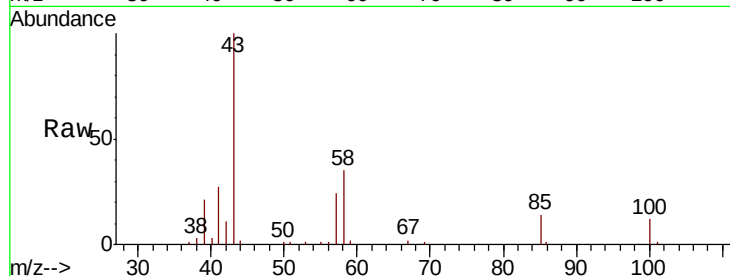
ClientSampled :

Tot Ion: 43 Resp: 128692

Ion Ratio Lower Upper

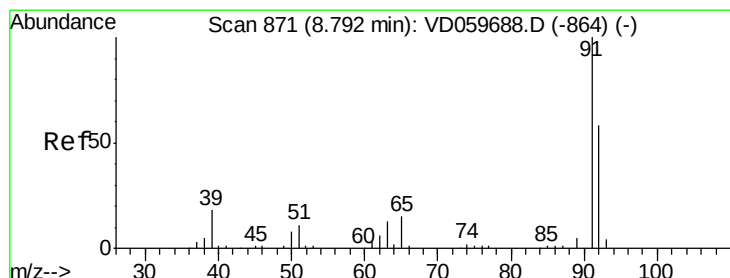
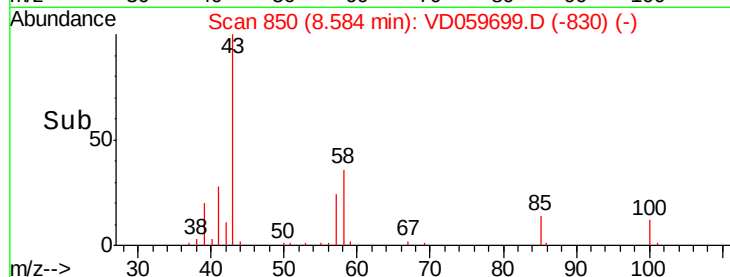
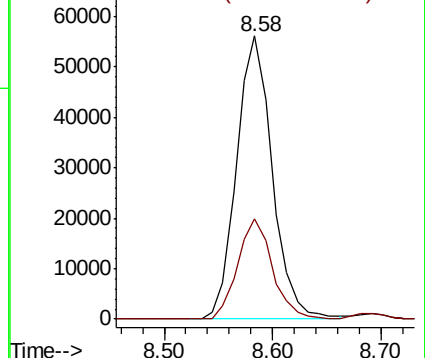
43 100

58 35.3 25.7 38.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.009 ug/l

RT: 8.79 min Scan# 871

Delta R.T. -0.00 min

Lab File: VD059699.D

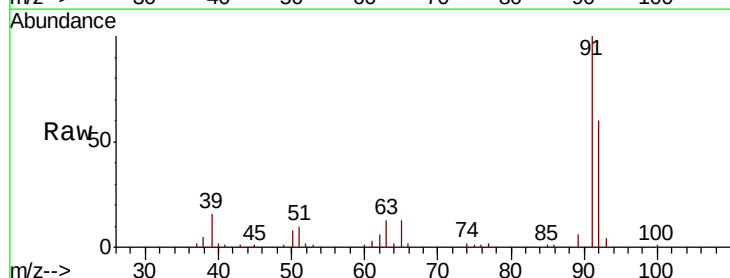
Acq: 7 Aug 2018 12:29

Tgt Ion: 92 Resp: 73849

Ion Ratio Lower Upper

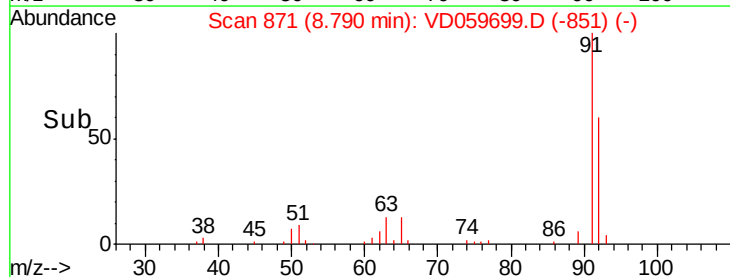
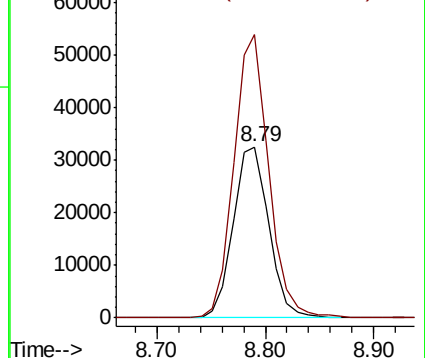
92 100

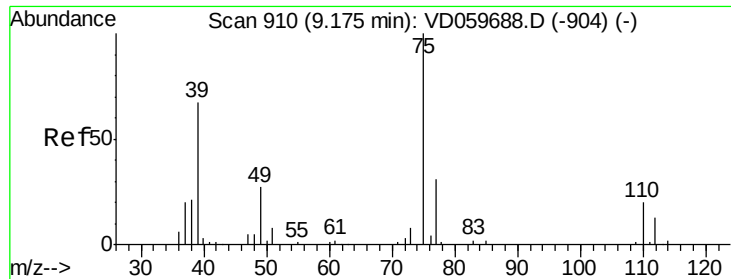
91 165.6 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

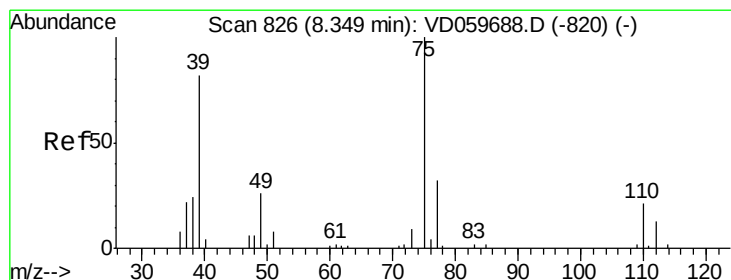
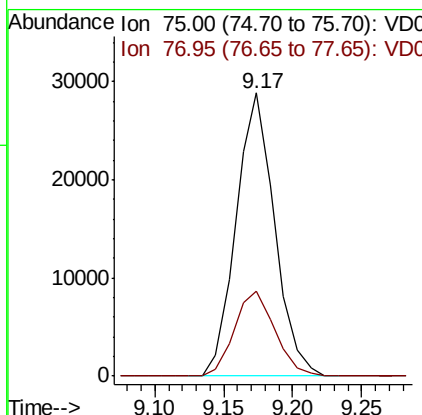
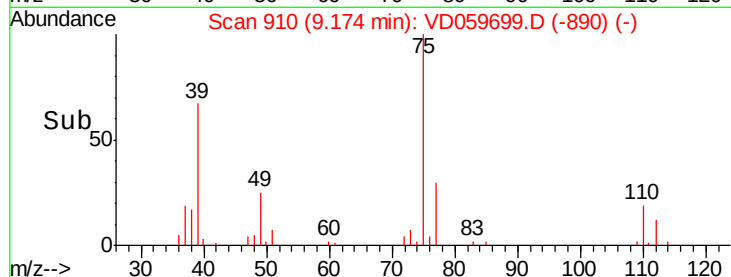
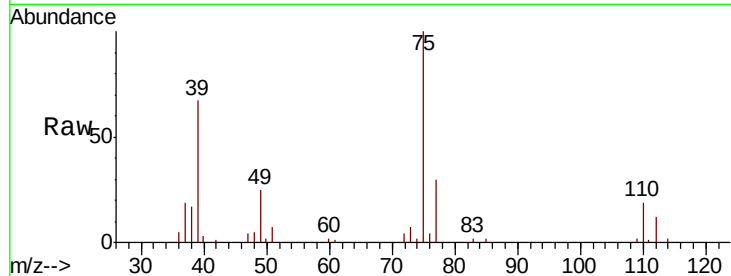




#53
 t-1,3-Dichloropropene
 Concen: 19.630 ug/l
 RT: 9.17 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: VD059699.D
 Acq: 7 Aug 2018 12:29

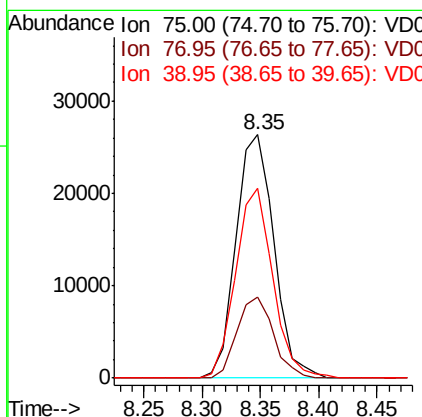
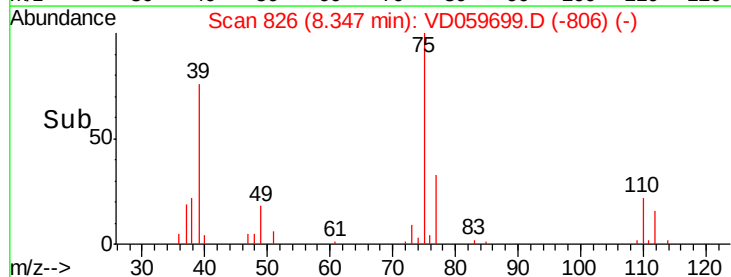
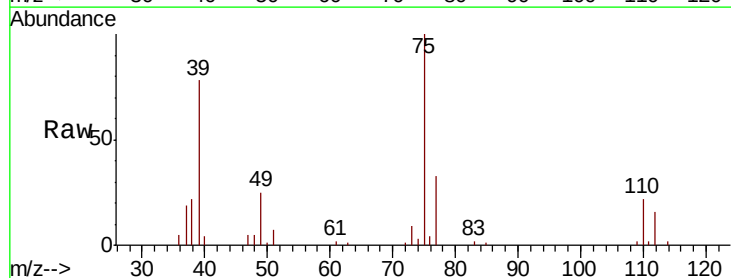
Instrument :
 MSVOA_D
 ClientSampleId :

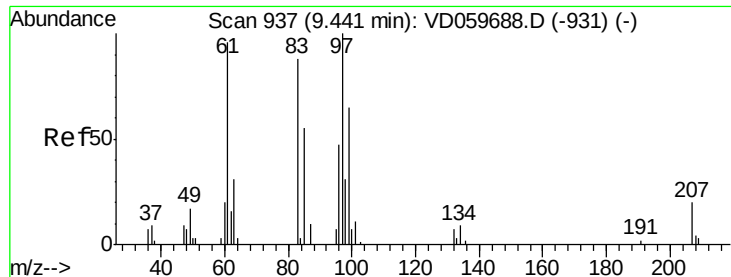
Tot Ion: 75 Resp: 56005
 Ion Ratio Lower Upper
 75 100
 77 29.9 24.7 37.1



#54
 cis-1,3-Dichloropropene
 Concen: 20.256 ug/l
 RT: 8.35 min Scan# 826
 Delta R.T. -0.00 min
 Lab File: VD059699.D
 Acq: 7 Aug 2018 12:29

Tgt Ion: 75 Resp: 59524
 Ion Ratio Lower Upper
 75 100
 77 33.4 25.5 38.3
 39 77.8 65.4 98.2





#55

1,1,2-Trichloroethane

Concen: 19.858 ug/l

RT: 9.44 min Scan# 937

Delta R.T. -0.00 min

Lab File: VD059699.D

Acq: 7 Aug 2018 12:29

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 28152

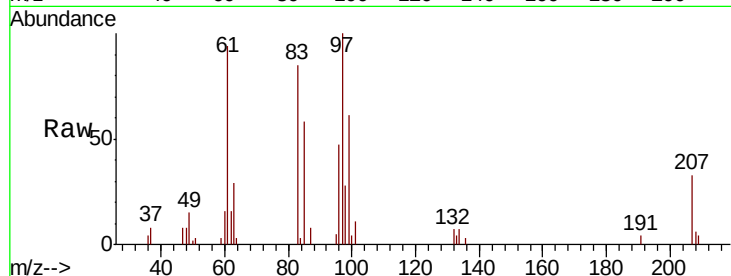
Ion Ratio Lower Upper

97 100

83 85.0 70.8 106.2

85 57.5 44.1 66.1

99 61.3 52.2 78.4

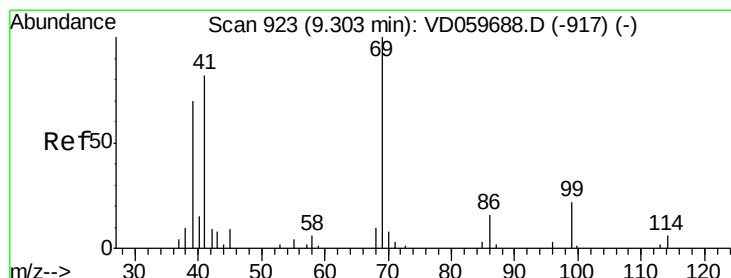
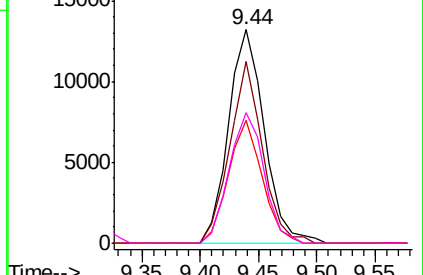
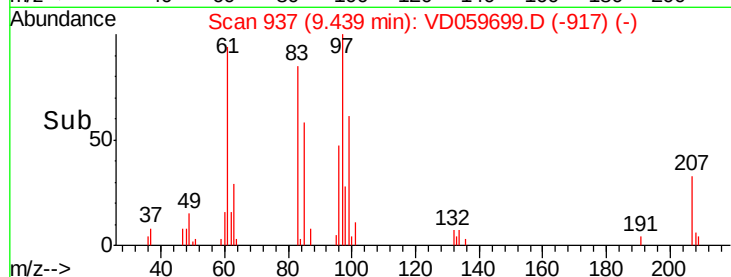


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 20.739 ug/l

RT: 9.30 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD059699.D

Acq: 7 Aug 2018 12:29

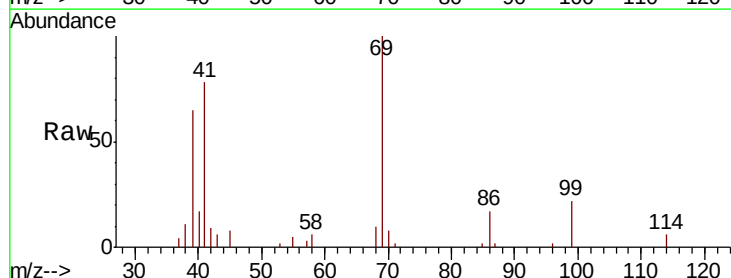
Tgt Ion: 69 Resp: 32439

Ion Ratio Lower Upper

69 100

41 77.6 65.7 98.5

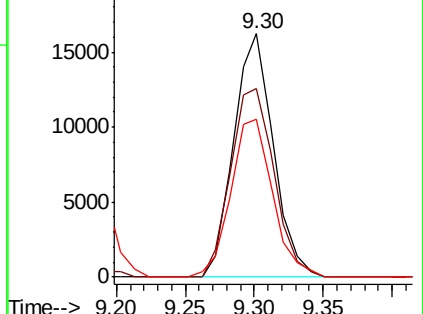
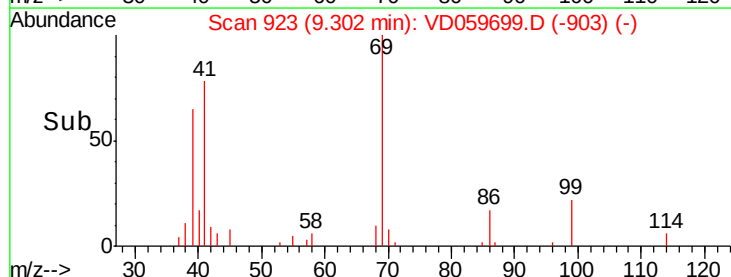
39 64.8 55.8 83.8

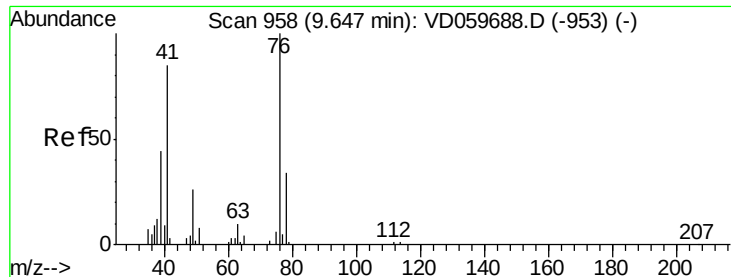


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 20.259 ug/l

RT: 9.65 min Scan# 958

Delta R.T. -0.00 min

Lab File: VD059699.D

Acq: 7 Aug 2018 12:29

Instrument :

MSVOA_D

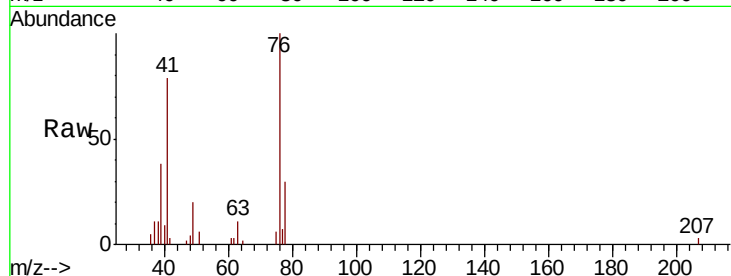
ClientSampleId :

Tot Ion: 76 Resp: 44566

Ion Ratio Lower Upper

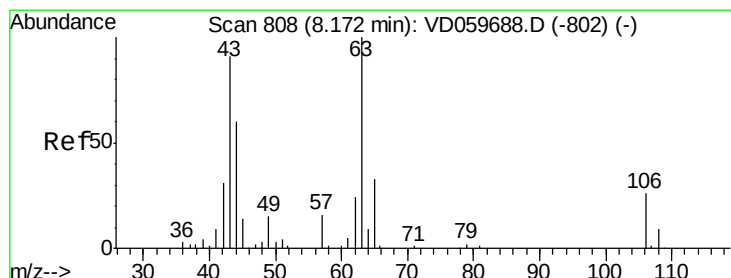
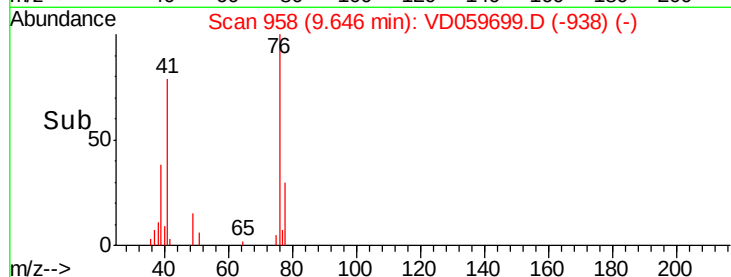
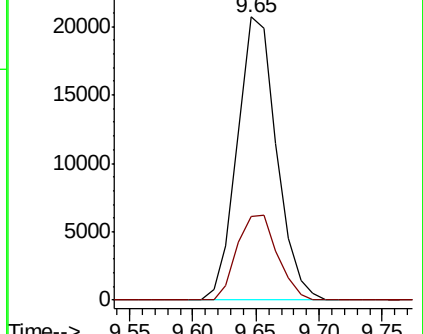
76 100

78 29.6 27.5 41.3



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: 110.821 ug/l

RT: 8.17 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD059699.D

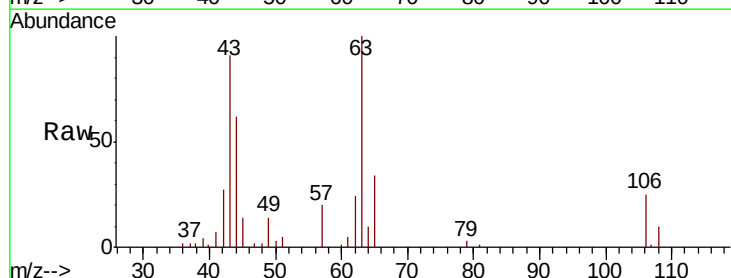
Acq: 7 Aug 2018 12:29

Tgt Ion: 63 Resp: 82583

Ion Ratio Lower Upper

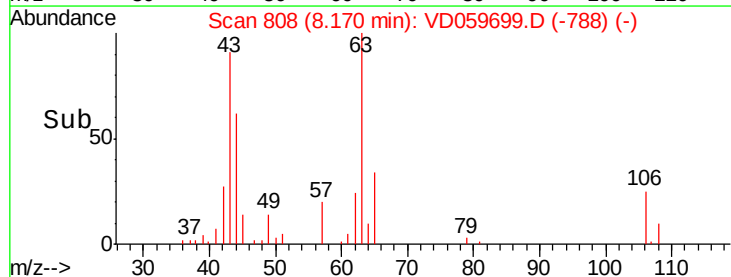
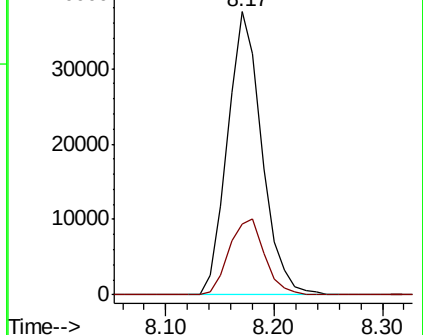
63 100

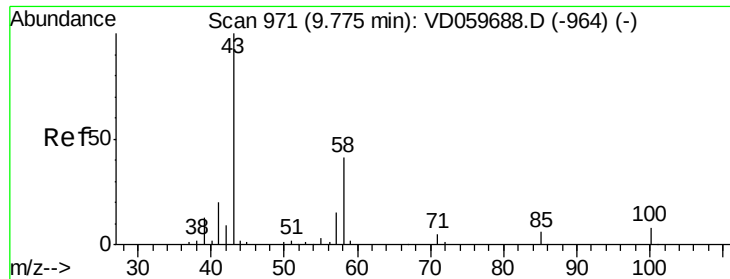
106 25.0 20.7 31.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

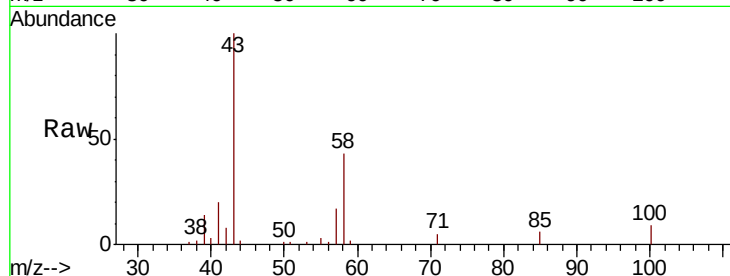




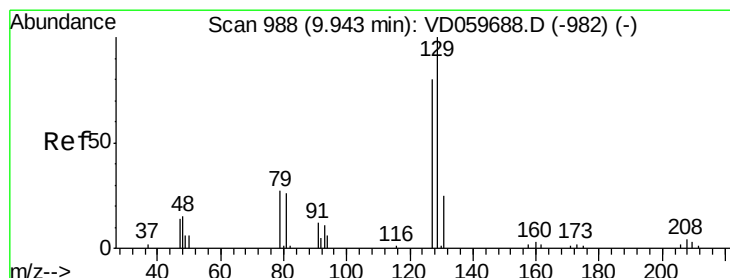
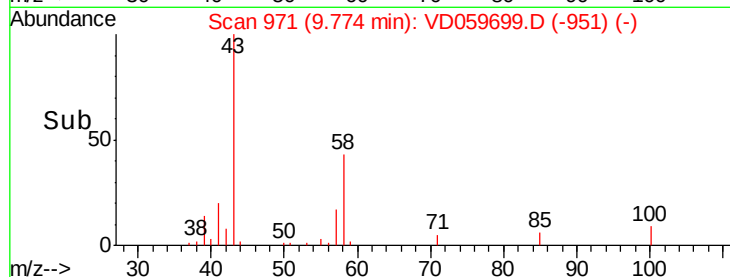
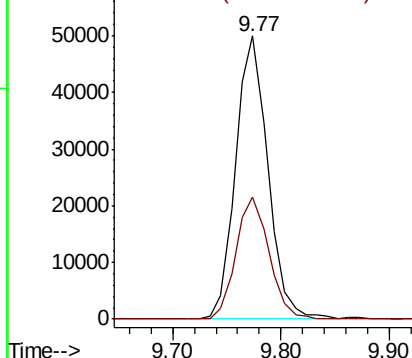
#59
2-Hexanone
Concen: 99.695 ug/l
RT: 9.77 min Scan# 971
Delta R.T. -0.00 min
Lab File: VD059699.D
Acq: 7 Aug 2018 12:29

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 103370
Ion Ratio Lower Upper
43 100
58 43.3 20.4 61.3

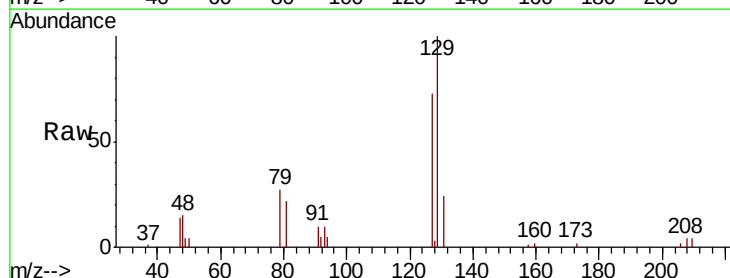


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

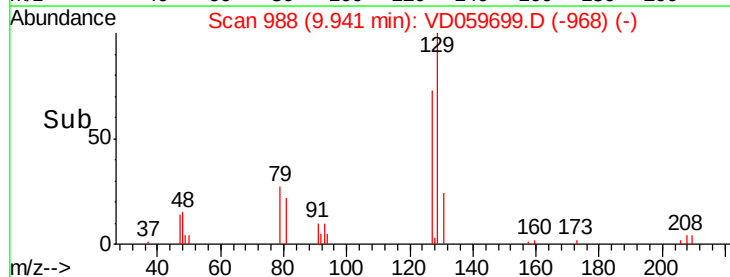
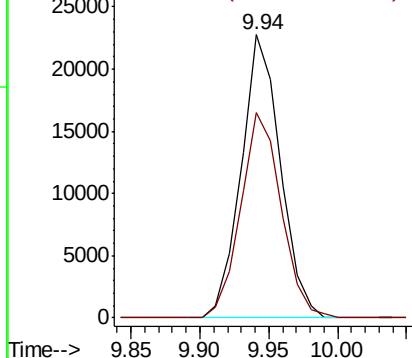


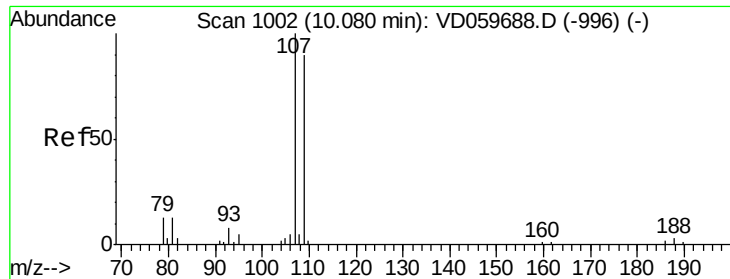
#60
Dibromochloromethane
Concen: 20.039 ug/l
RT: 9.94 min Scan# 988
Delta R.T. -0.00 min
Lab File: VD059699.D
Acq: 7 Aug 2018 12:29

Tgt Ion:129 Resp: 45144
Ion Ratio Lower Upper
129 100
127 72.6 40.0 119.9



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 20.253 ug/l

RT: 10.08 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VD059699.D

Acq: 7 Aug 2018 12:29

Instrument :

MSVOA_D

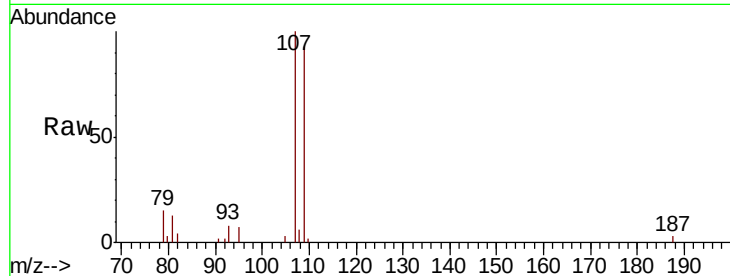
ClientSampleId :

Tot Ion:107 Resp: 33015

Ion Ratio Lower Upper

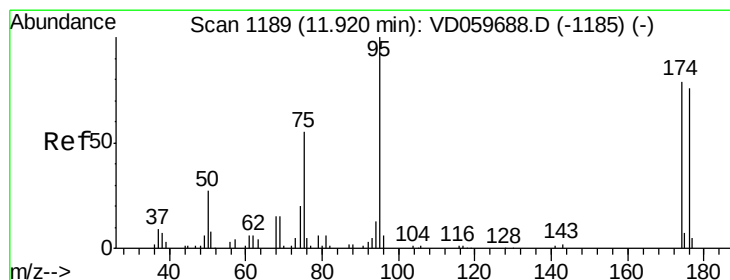
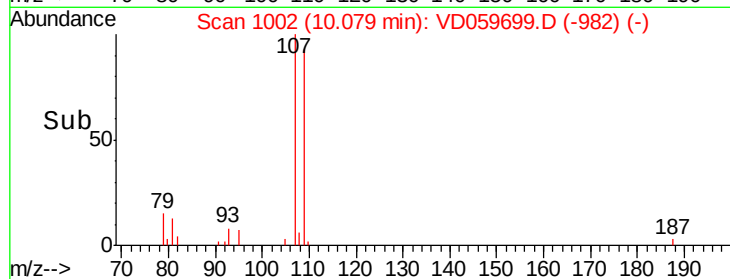
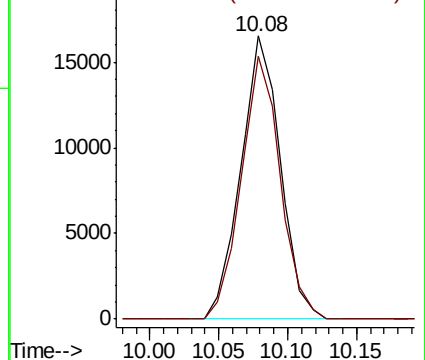
107 100

109 93.0 72.0 108.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 20.253 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD059699.D

Acq: 7 Aug 2018 12:29

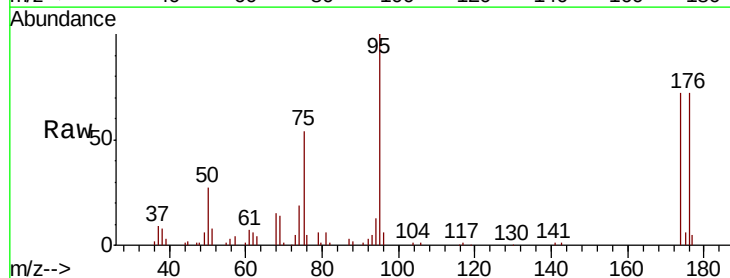
Tgt Ion: 95 Resp: 121332

Ion Ratio Lower Upper

95 100

174 72.1 0.0 158.4

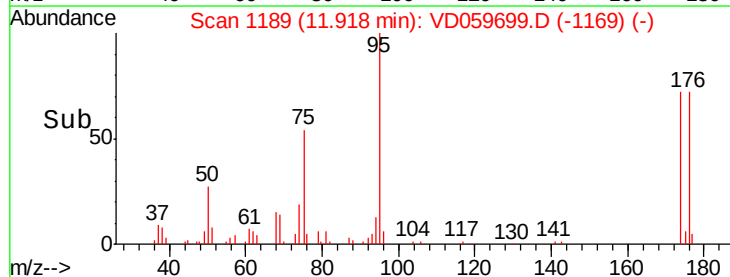
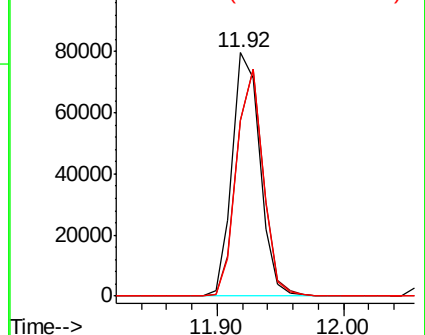
176 72.1 0.0 153.0

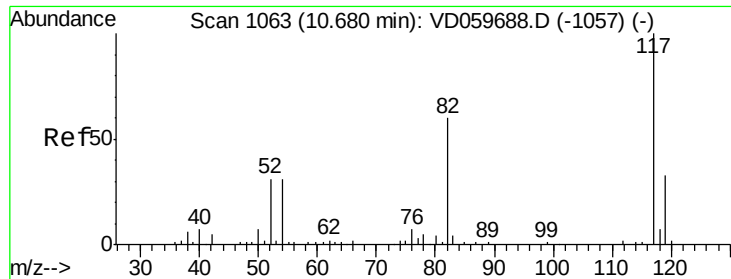


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.68 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VD059699.D

Acq: 7 Aug 2018 12:29

Instrument :

MSVOA_D

ClientSampleId :

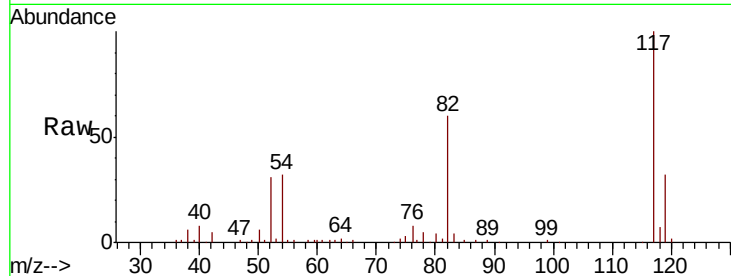
Tot Ion:117 Resp: 219961

Ion Ratio Lower Upper

117 100

82 60.0 47.7 71.5

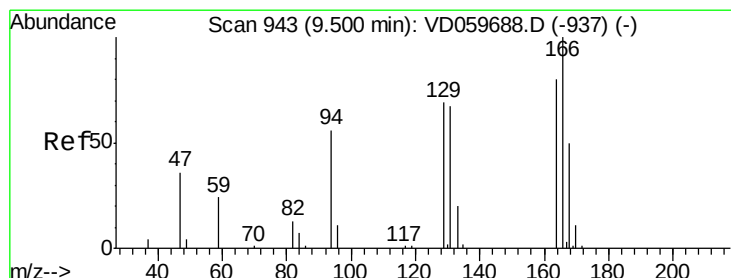
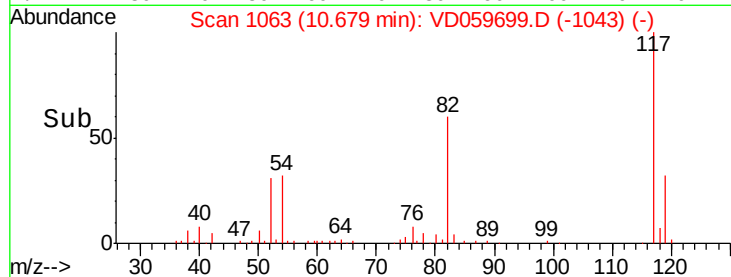
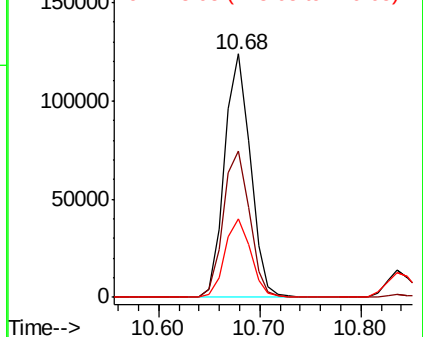
119 32.4 26.6 40.0



Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64

Tetrachloroethene

Concen: 18.288 ug/l

RT: 9.50 min Scan# 943

Delta R.T. -0.00 min

Lab File: VD059699.D

Acq: 7 Aug 2018 12:29

Tgt Ion:164 Resp: 38088

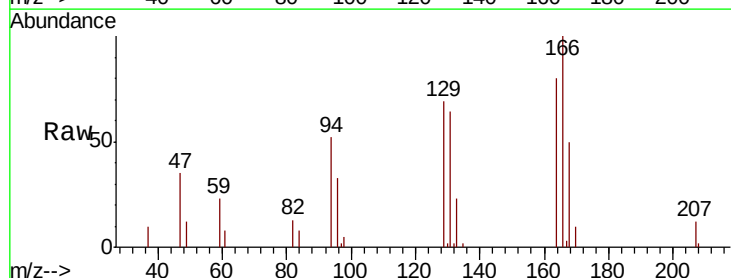
Ion Ratio Lower Upper

164 100

166 125.0 100.5 150.7

129 86.2 69.3 103.9

131 80.6 67.3 100.9

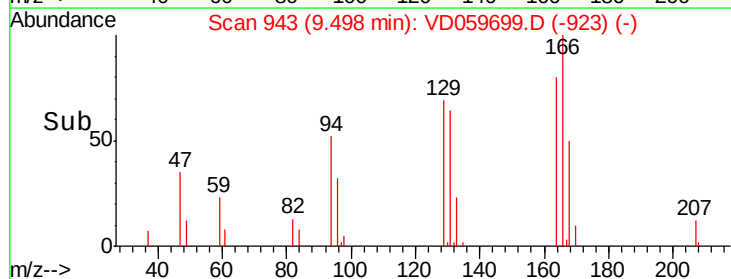
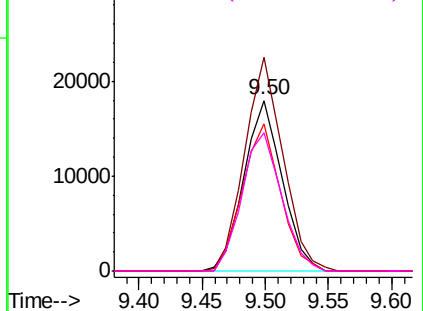


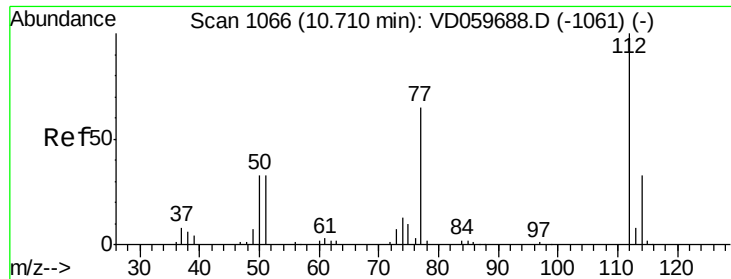
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

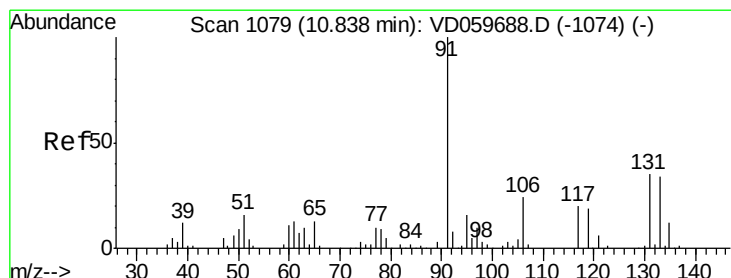
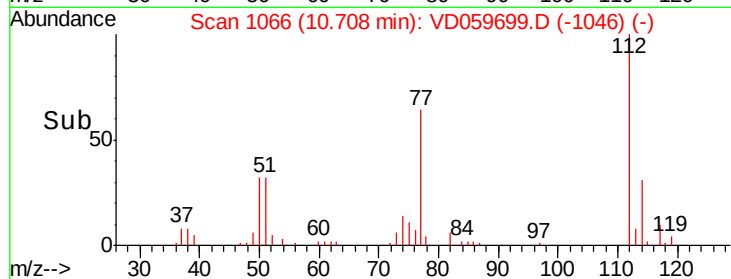
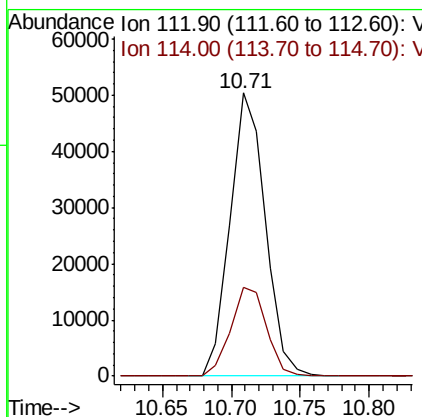
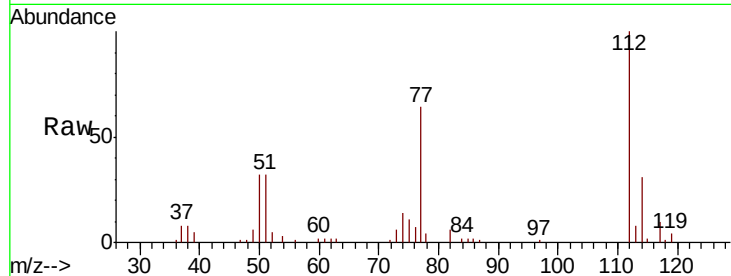




#65
Chlorobenzene
Concen: 19.317 ug/l
RT: 10.71 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VD059699.D
Acq: 7 Aug 2018 12:29

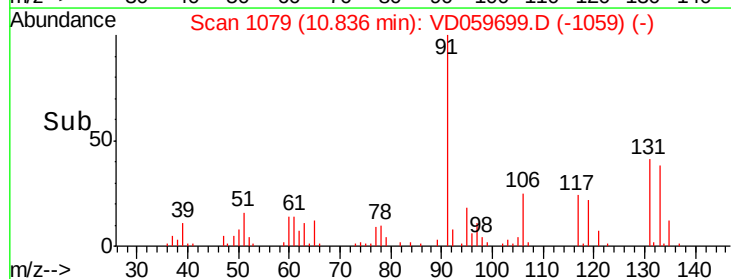
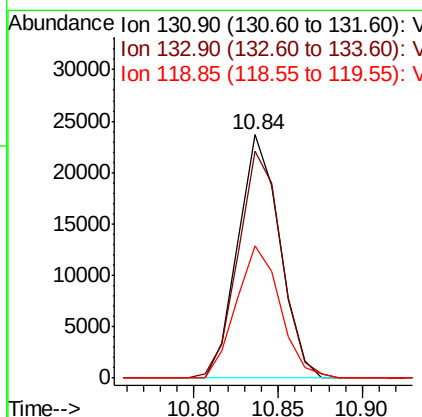
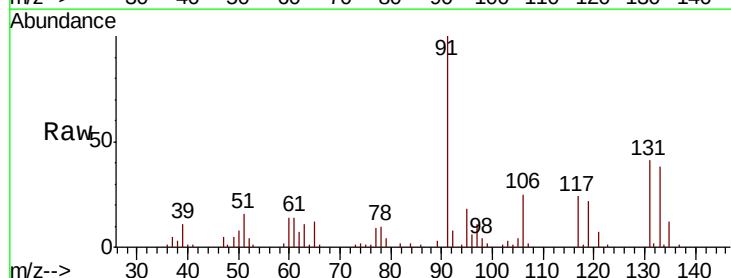
Instrument :
MSVOA_D
ClientSampleId :

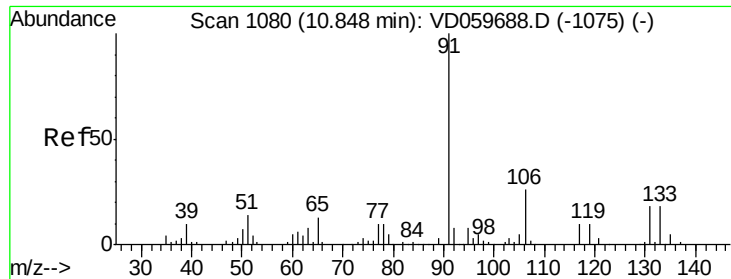
Tot Ion:112 Resp: 89537
Ion Ratio Lower Upper
112 100
114 31.4 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 19.938 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VD059699.D
Acq: 7 Aug 2018 12:29

Tgt Ion:131 Resp: 40516
Ion Ratio Lower Upper
131 100
133 93.1 49.7 149.1
119 54.2 27.0 80.8

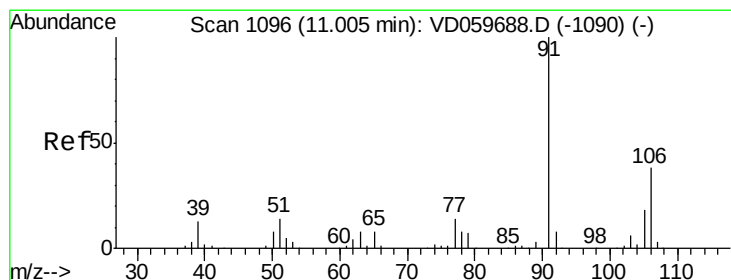
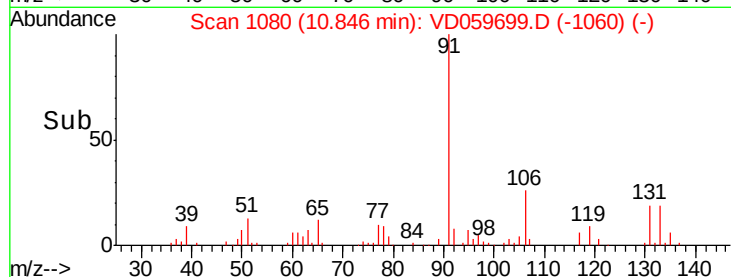
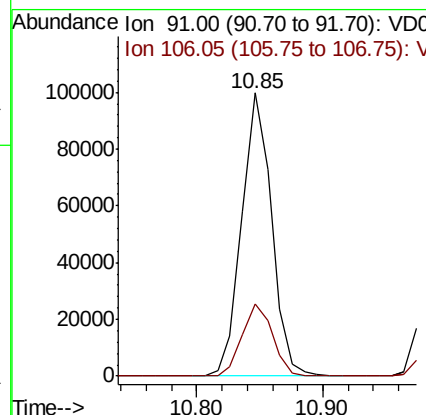
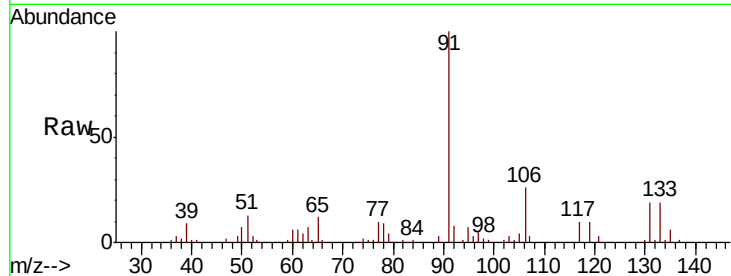




#67
Ethyl Benzene
Concen: 19.508 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VD059699.D
Acq: 7 Aug 2018 12:29

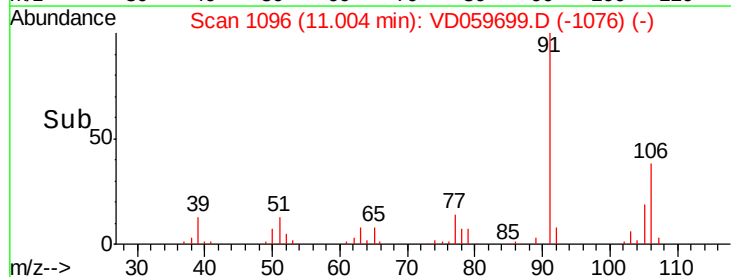
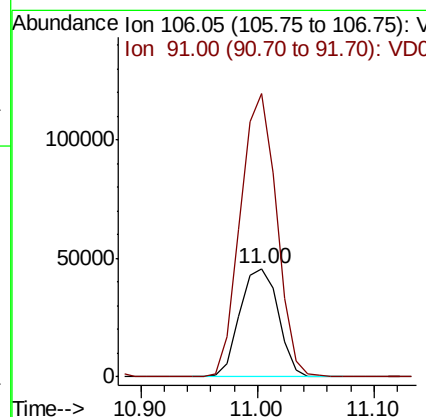
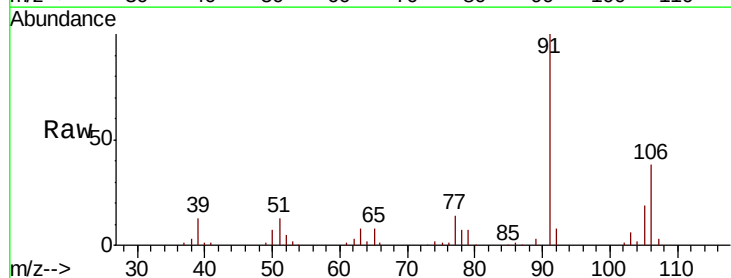
Instrument :
MSVOA_D
ClientSampled :

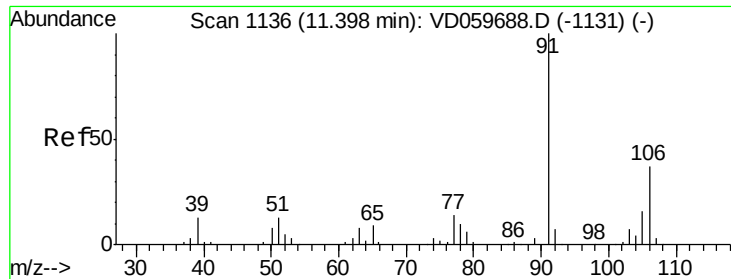
Tot Ion: 91 Resp: 162846
Ion Ratio Lower Upper
91 100
106 25.6 20.9 31.3



#68
m/p-Xylenes
Concen: 39.036 ug/l
RT: 11.00 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VD059699.D
Acq: 7 Aug 2018 12:29

Tgt Ion: 106 Resp: 104243
Ion Ratio Lower Upper
106 100
91 261.0 209.7 314.5

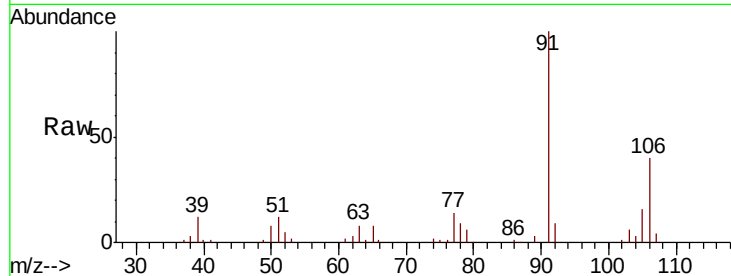




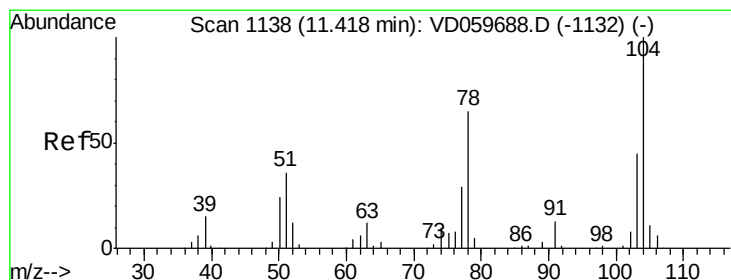
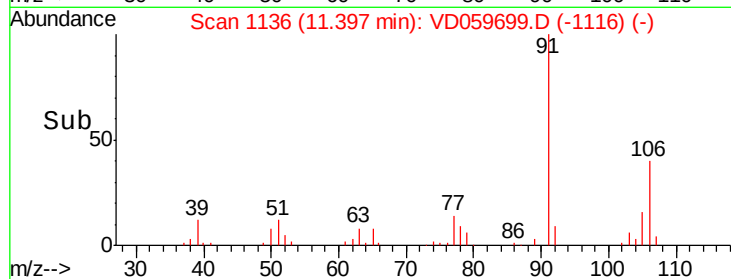
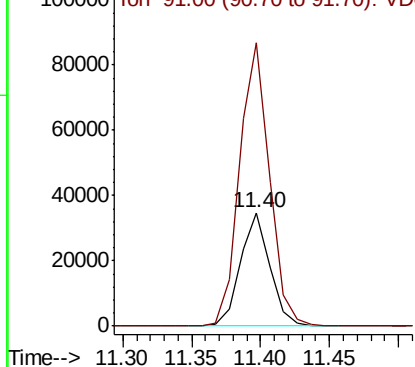
#69
o-Xylene
Concen: 19.888 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD059699.D
Acq: 7 Aug 2018 12:29

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 51631
Ion Ratio Lower Upper
106 100
91 250.1 135.2 405.6

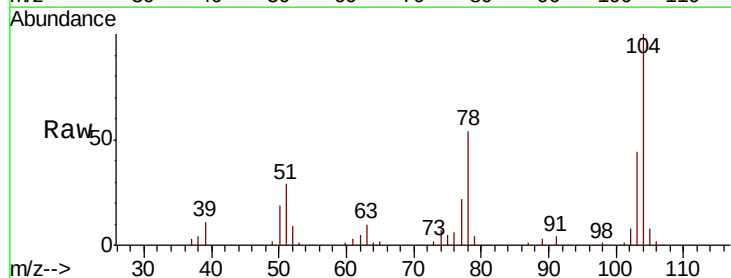


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

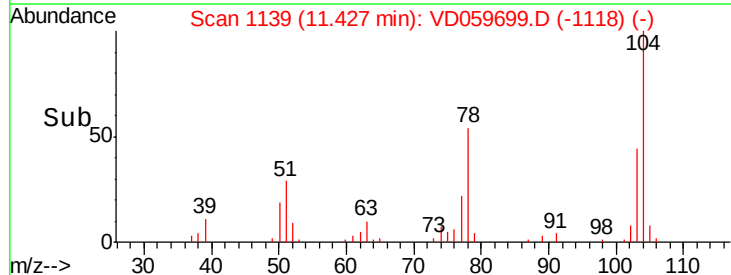
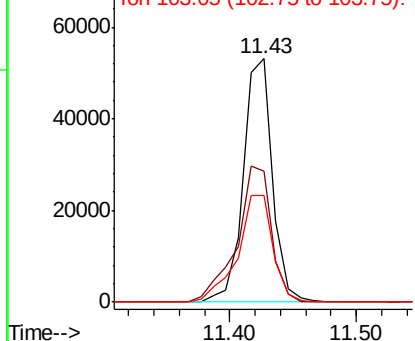


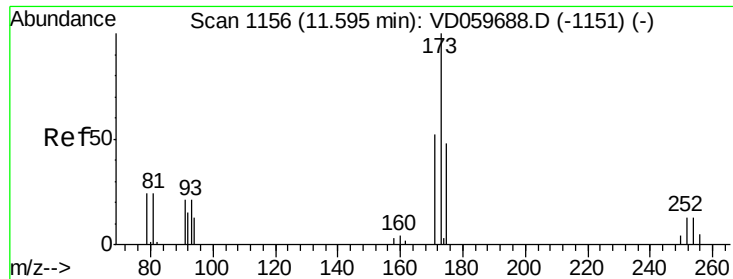
#70
Styrene
Concen: 19.418 ug/l
RT: 11.43 min Scan# 1139
Delta R.T. 0.01 min
Lab File: VD059699.D
Acq: 7 Aug 2018 12:29

Tgt Ion:104 Resp: 84618
Ion Ratio Lower Upper
104 100
78 53.7 51.9 77.9
103 43.9 36.2 54.4



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





#71

Bromoform

Concen: 19.770 ug/l

RT: 11.59 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VD059699.D

Acq: 7 Aug 2018 12:29

Instrument :

MSVOA_D

ClientSampled :

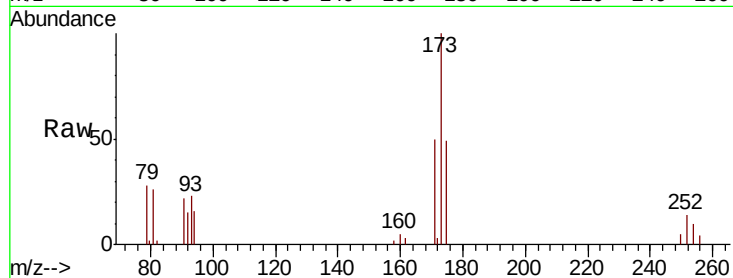
Tot Ion:173 Resp: 30267

Ion Ratio Lower Upper

173 100

175 49.4 24.1 72.4

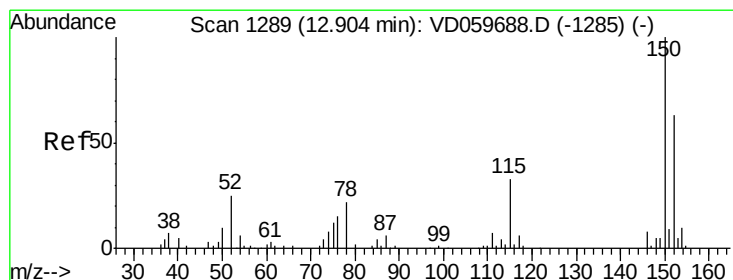
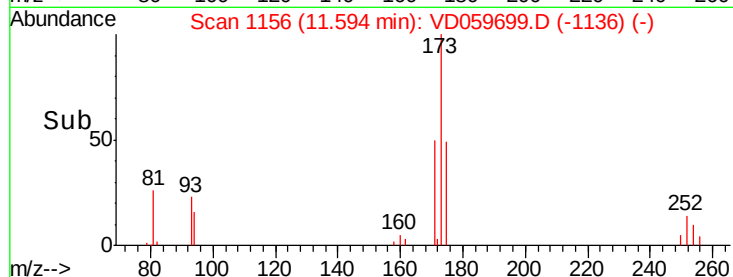
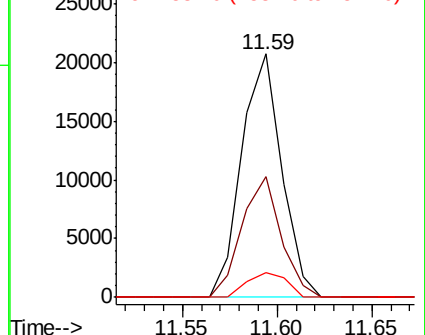
254 10.3 10.6 16.0#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.90 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VD059699.D

Acq: 7 Aug 2018 12:29

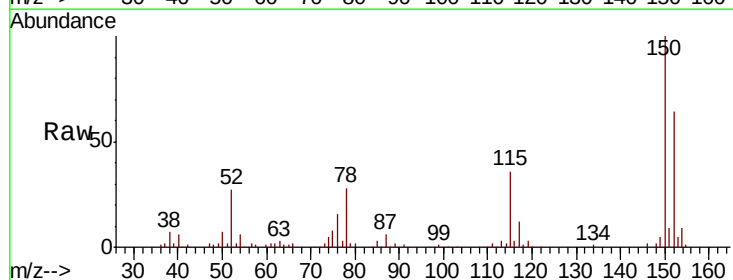
Tgt Ion:152 Resp: 120305

Ion Ratio Lower Upper

152 100

115 56.6 28.8 86.4

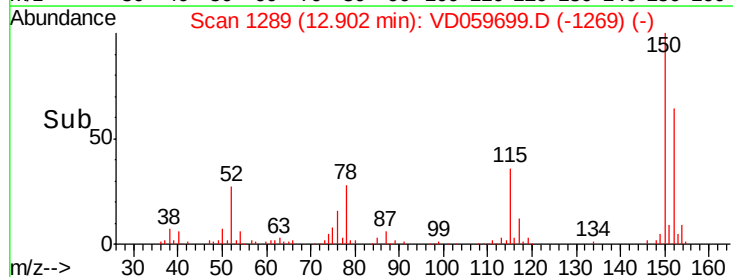
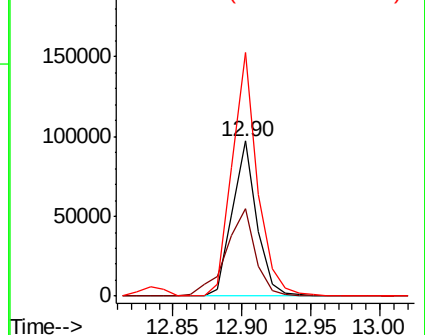
150 157.4 0.0 318.0

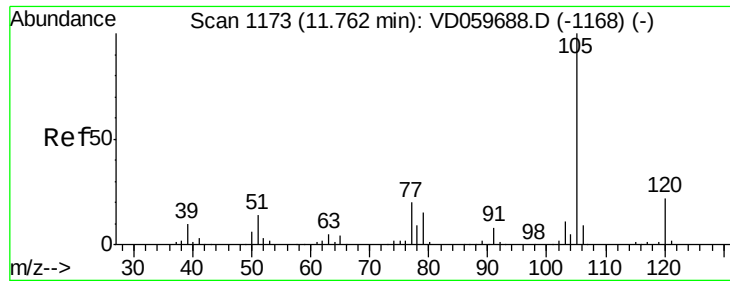


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.220 ug/l

RT: 11.76 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VD059699.D

Acq: 7 Aug 2018 12:29

Instrument :

MSVOA_D

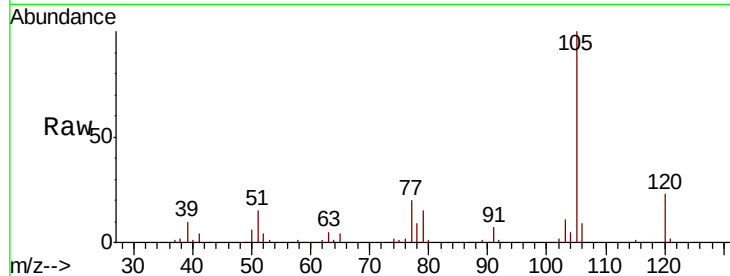
ClientSampleId :

Tot Ion:105 Resp: 155394

Ion Ratio Lower Upper

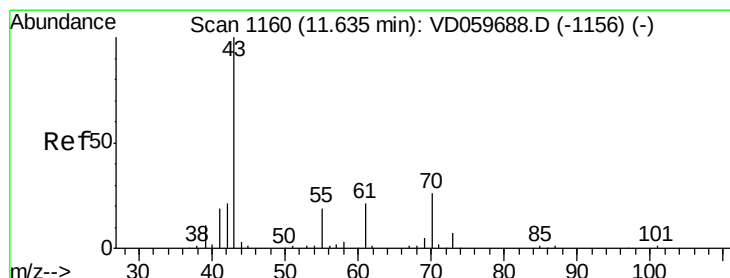
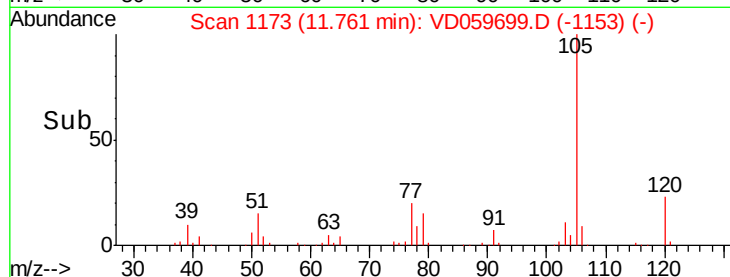
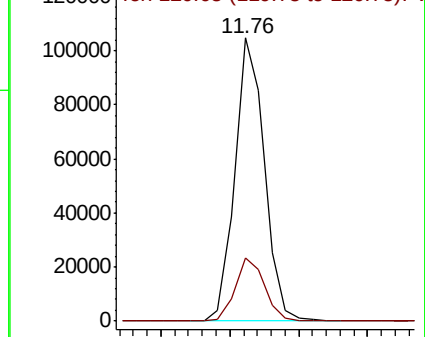
105 100

120 22.6 10.8 32.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 19.649 ug/l

RT: 11.63 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VD059699.D

Acq: 7 Aug 2018 12:29

Tgt Ion: 43 Resp: 50824

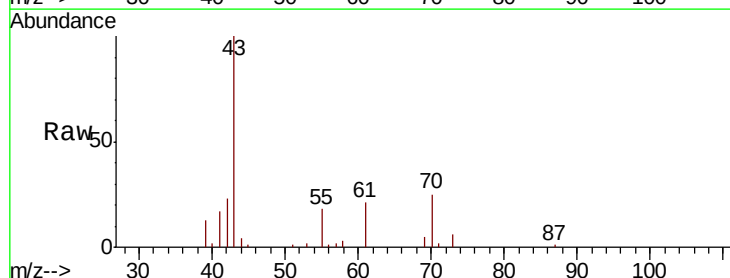
Ion Ratio Lower Upper

43 100

70 24.9 21.0 31.6

55 18.1 15.4 23.2

61 21.5 16.8 25.2

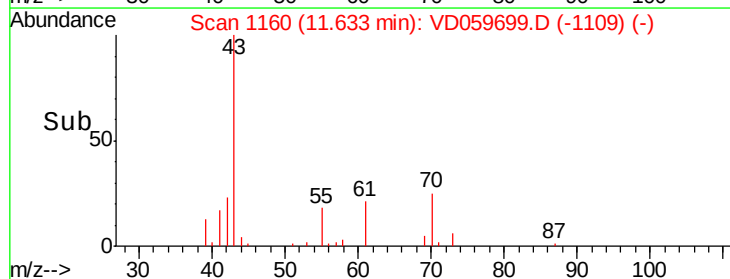
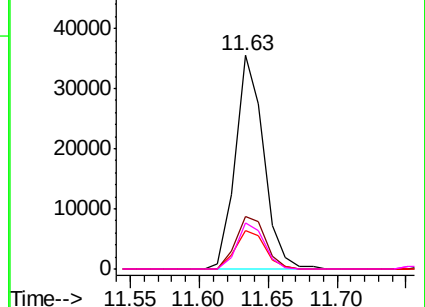


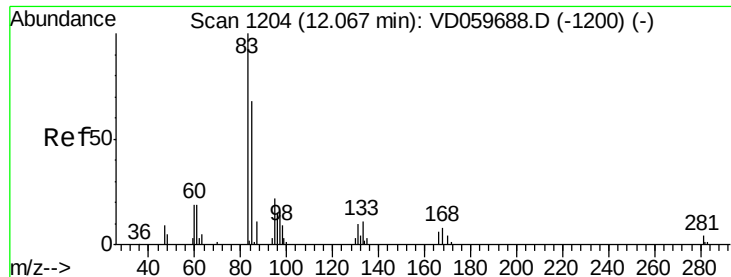
Abundance Ion 42.95 (42.65 to 43.65): V

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: 20.288 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD059699.D

Acq: 7 Aug 2018 12:29

Instrument :

MSVOA_D

ClientSampleId :

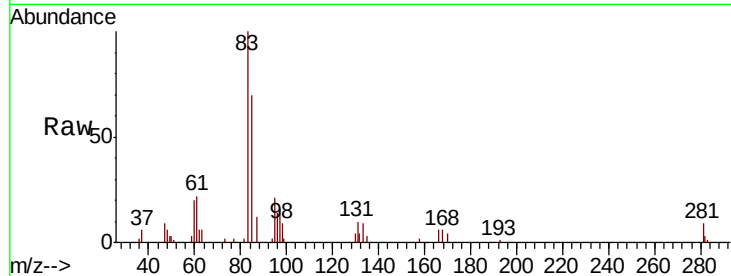
Tot Ion: 83 Resp: 32915

Ion Ratio Lower Upper

83 100

131 10.0 5.3 15.9

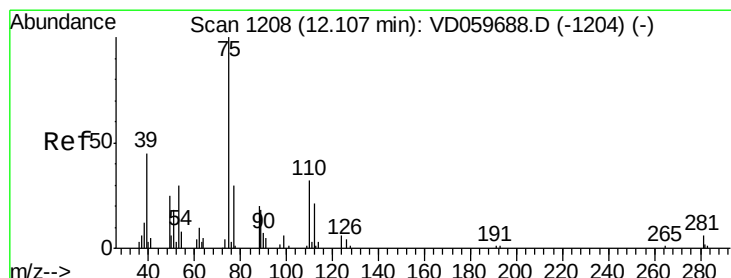
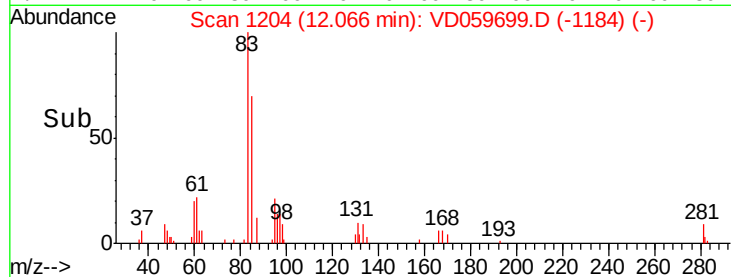
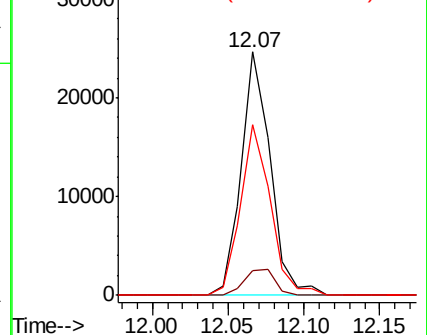
85 69.9 34.1 102.2



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: 20.677 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VD059699.D

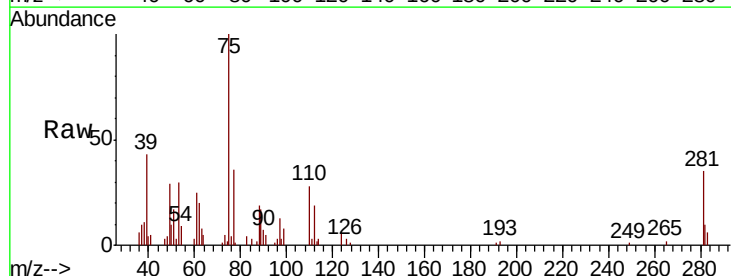
Acq: 7 Aug 2018 12:29

Tgt Ion: 75 Resp: 38454

Ion Ratio Lower Upper

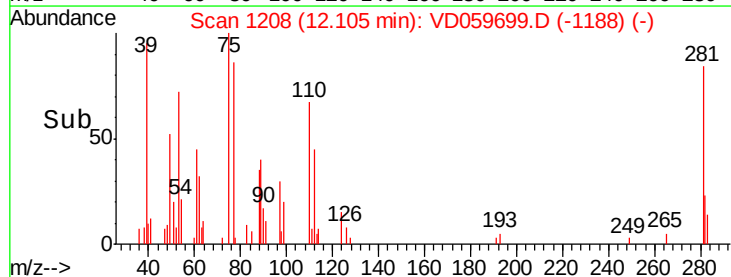
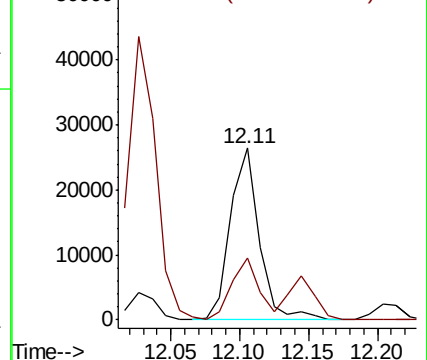
75 100

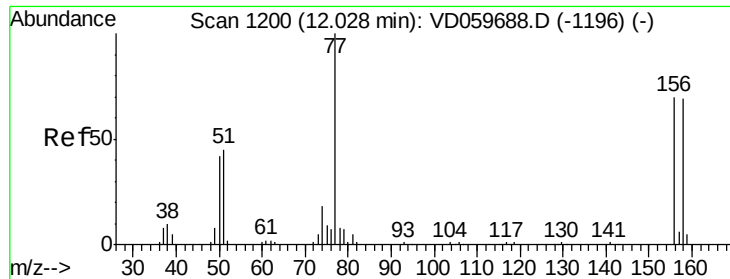
77 36.2 15.5 46.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 19.159 ug/l

RT: 12.04 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD059699.D

Acq: 7 Aug 2018 12:29

Instrument :

MSVOA_D

ClientSampled :

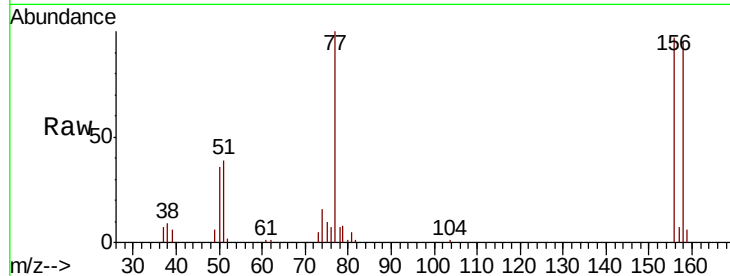
Tot Ion:156 Resp: 45149

Ion Ratio Lower Upper

156 100

77 103.2 71.2 213.6

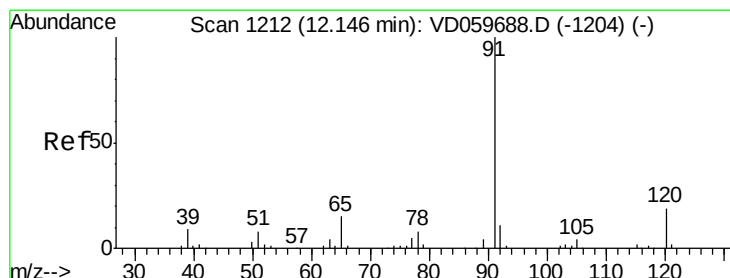
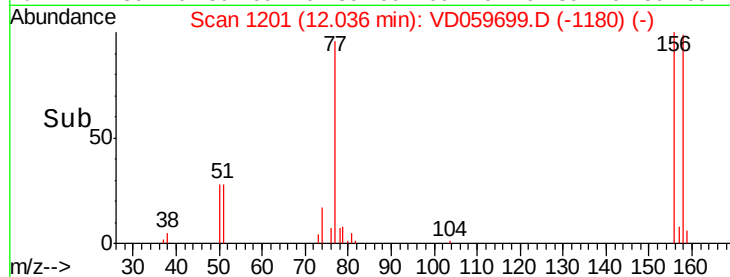
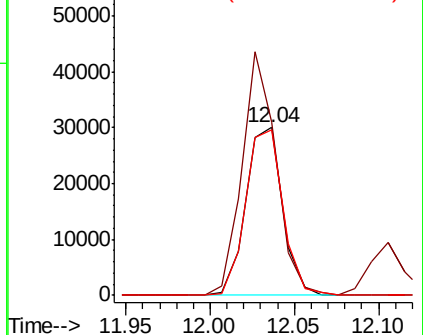
158 98.5 49.1 147.3



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: 19.965 ug/l

RT: 12.14 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VD059699.D

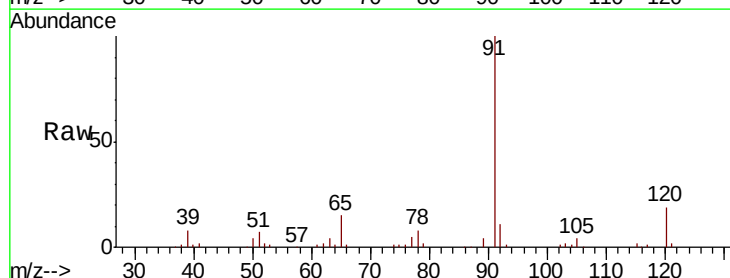
Acq: 7 Aug 2018 12:29

Tgt Ion: 91 Resp: 200042

Ion Ratio Lower Upper

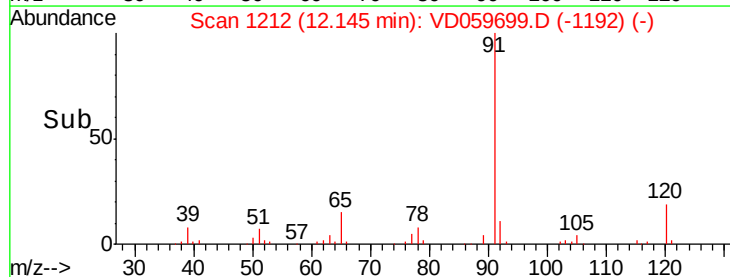
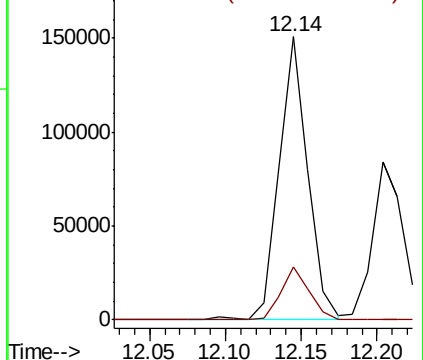
91 100

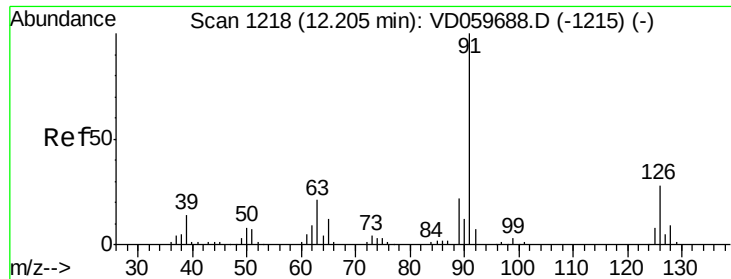
120 18.7 9.5 28.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

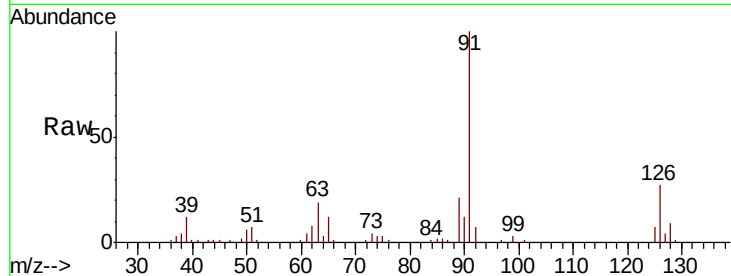




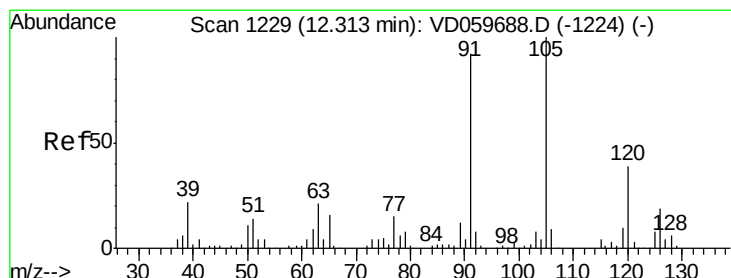
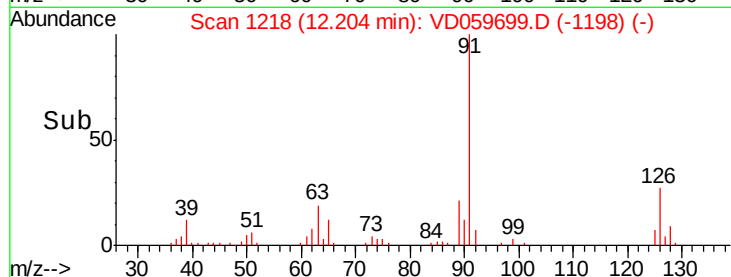
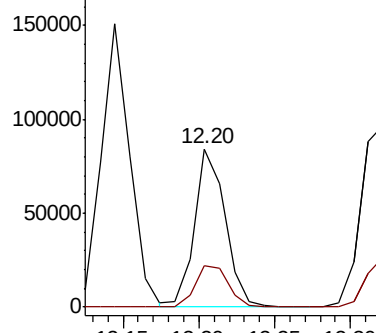
#79
 2-Chlorotoluene
 Concen: 19.586 ug/l
 RT: 12.20 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VD059699.D
 Acq: 7 Aug 2018 12:29

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 118513
 Ion Ratio Lower Upper
 91 100
 126 26.6 13.7 41.0

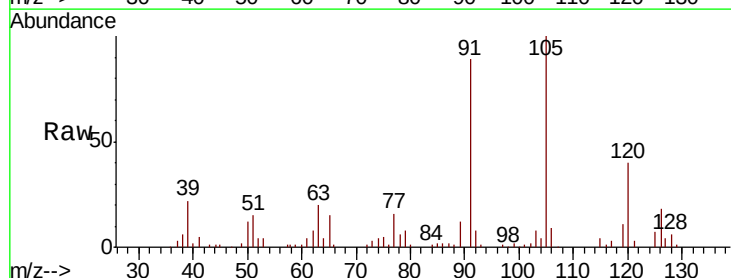


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

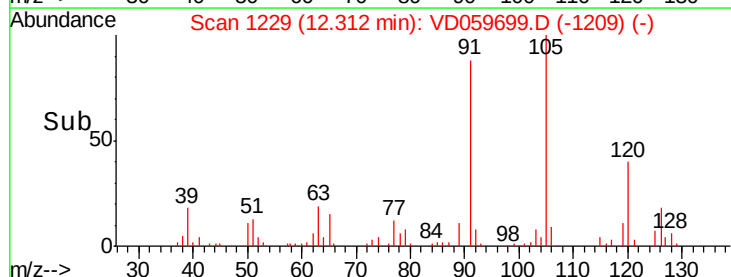
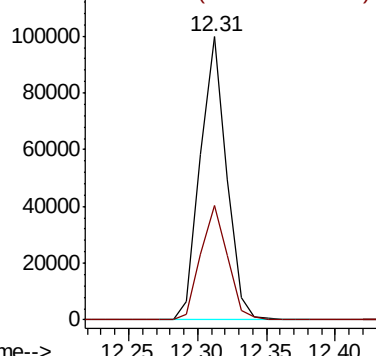


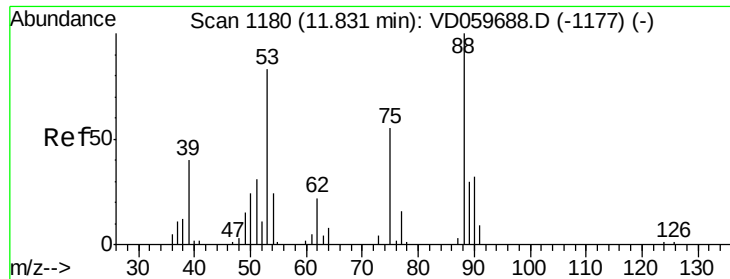
#80
 1,3,5-Trimethylbenzene
 Concen: 19.638 ug/l
 RT: 12.31 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VD059699.D
 Acq: 7 Aug 2018 12:29

Tgt Ion:105 Resp: 132257
 Ion Ratio Lower Upper
 105 100
 120 40.5 19.7 59.1



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: 18.972 ug/l

RT: 11.83 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD059699.D

Acq: 7 Aug 2018 12:29

Instrument :

MSVOA_D

ClientSampled :

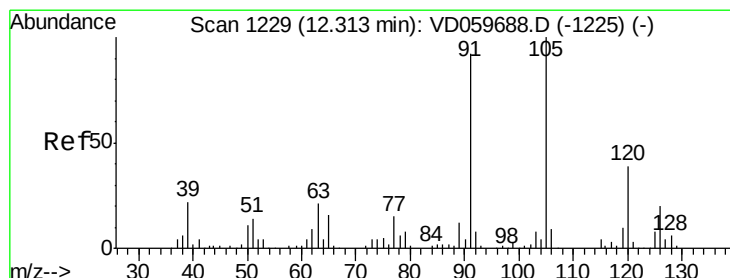
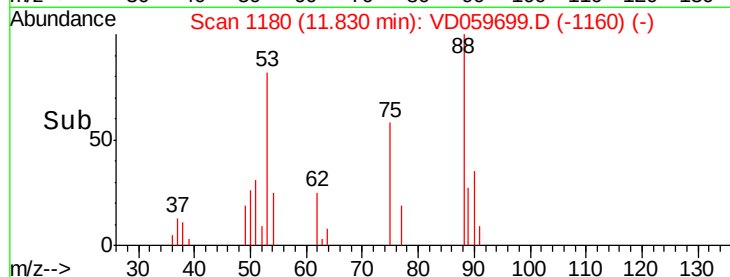
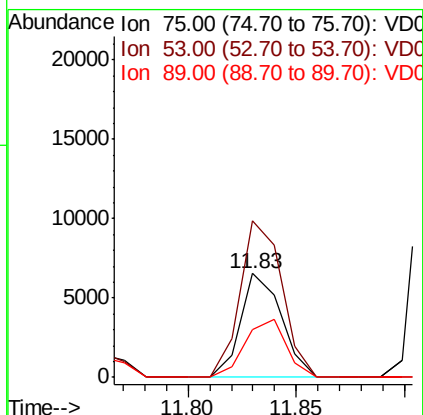
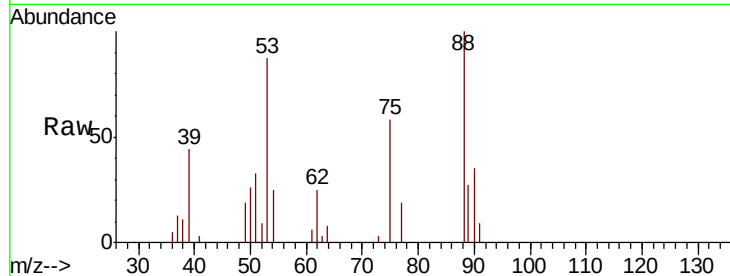
Tot Ion: 75 Resp: 8611

Ion Ratio Lower Upper

75 100

53 150.1 120.5 180.7

89 46.2 44.4 66.6



#82

4-Chlorotoluene

Concen: 20.285 ug/l

RT: 12.32 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VD059699.D

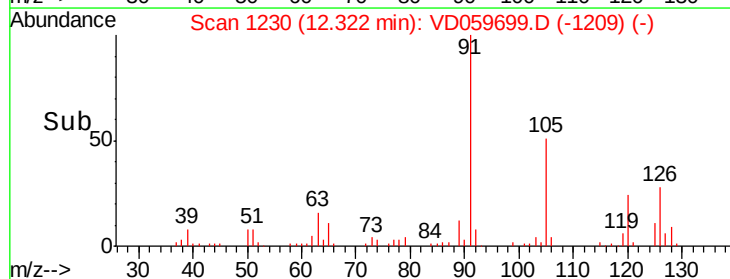
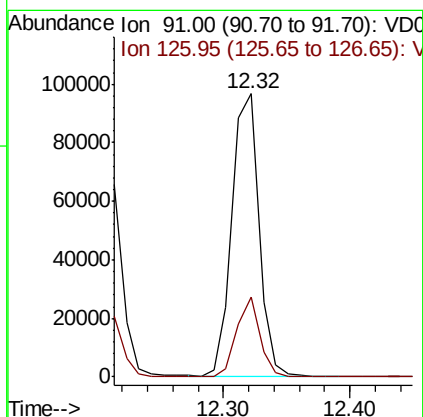
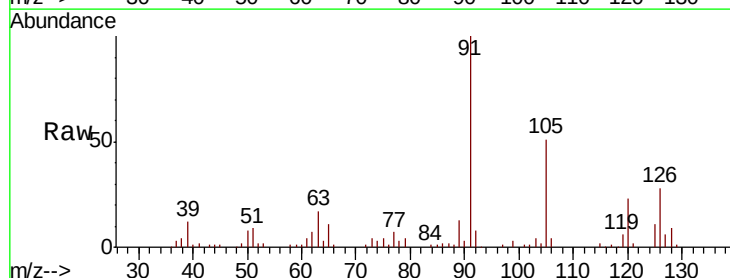
Acq: 7 Aug 2018 12:29

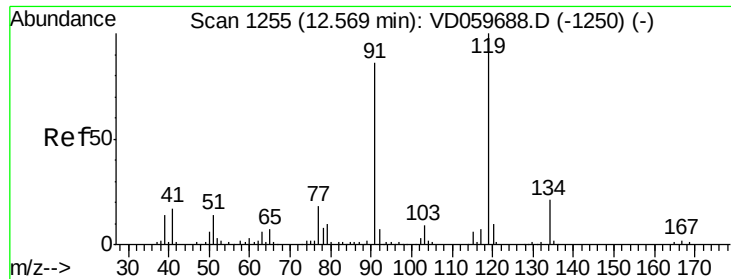
Tgt Ion: 91 Resp: 143691

Ion Ratio Lower Upper

91 100

126 28.0 10.7 31.9





#83

tert-Butylbenzene

Concen: 19.366 ug/l

RT: 12.57 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD059699.D

Acq: 7 Aug 2018 12:29

Instrument :

MSVOA_D

ClientSampled :

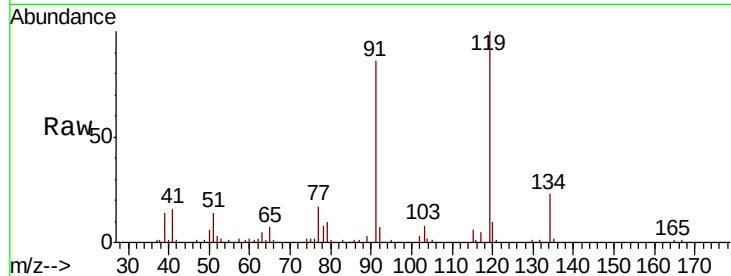
Tot Ion:119 Resp: 145983

Ion Ratio Lower Upper

119 100

91 85.8 43.3 129.9

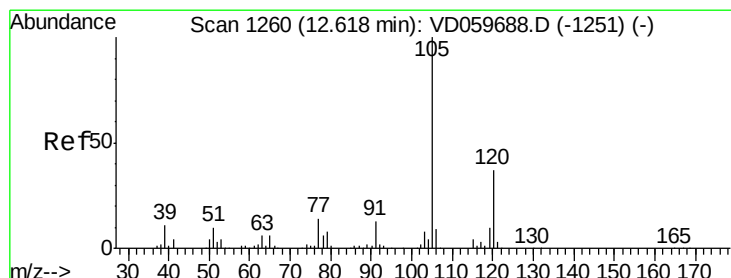
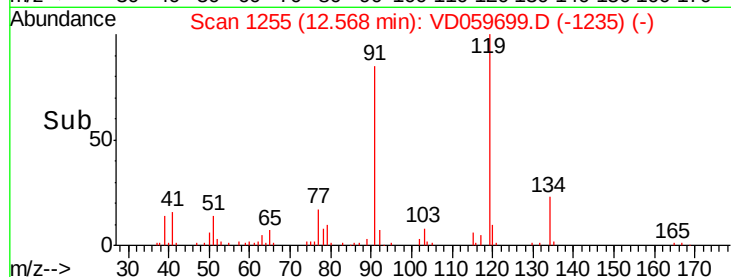
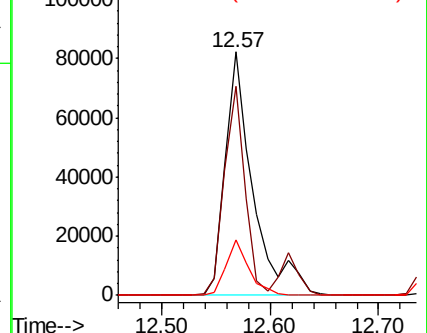
134 22.8 10.5 31.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.626 ug/l

RT: 12.62 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VD059699.D

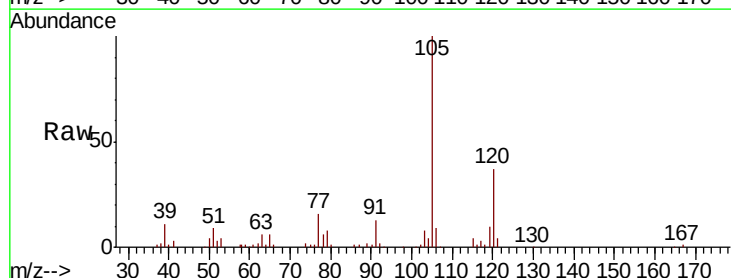
Acq: 7 Aug 2018 12:29

Tgt Ion:105 Resp: 140074

Ion Ratio Lower Upper

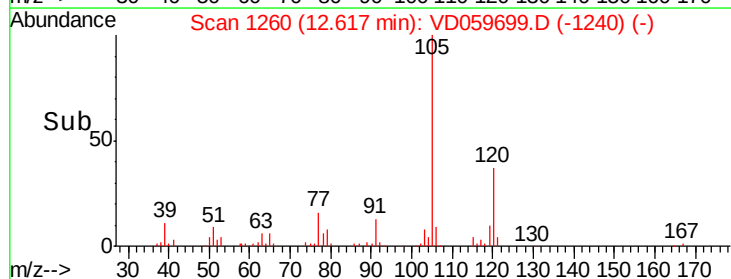
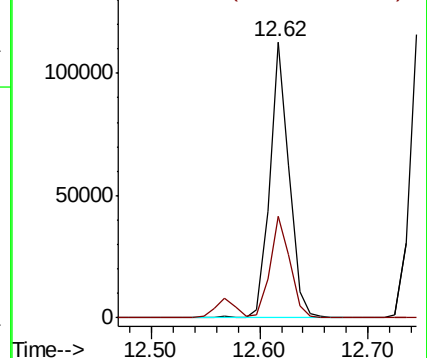
105 100

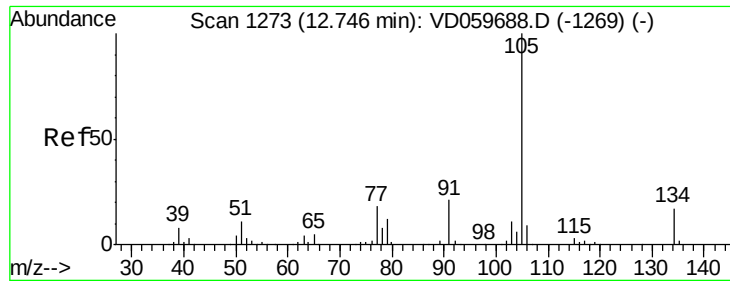
120 37.0 18.7 56.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 19.412 ug/l

RT: 12.74 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD059699.D

Acq: 7 Aug 2018 12:29

Instrument :

MSVOA_D

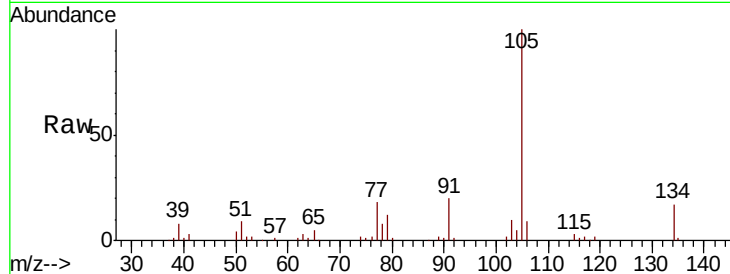
ClientSampleId :

Tot Ion:105 Resp: 162503

Ion Ratio Lower Upper

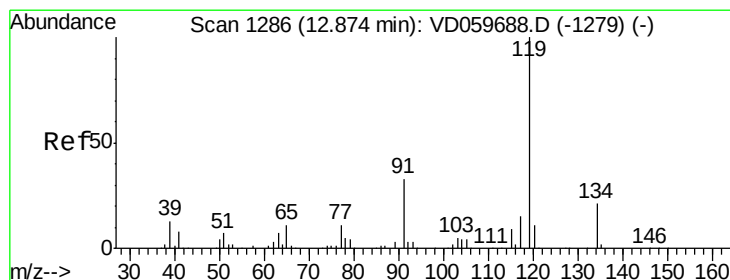
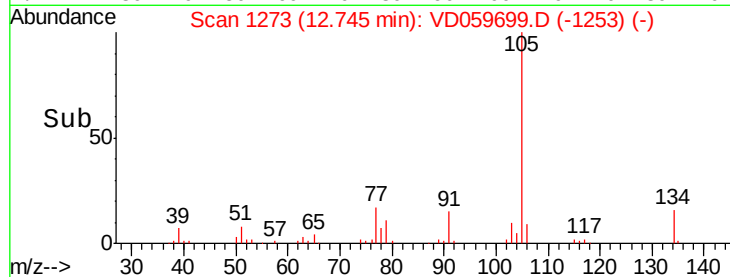
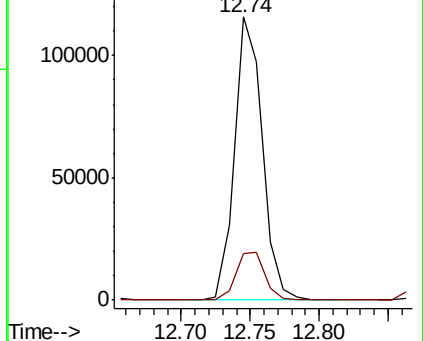
105 100

134 16.5 8.3 24.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 18.970 ug/l

RT: 12.88 min Scan# 1287

Delta R.T. 0.01 min

Lab File: VD059699.D

Acq: 7 Aug 2018 12:29

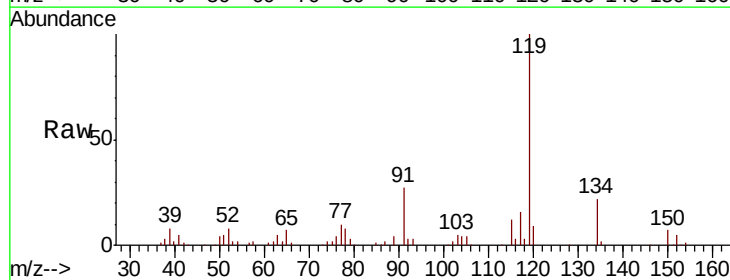
Tgt Ion:119 Resp: 135423

Ion Ratio Lower Upper

119 100

134 22.1 10.7 32.1

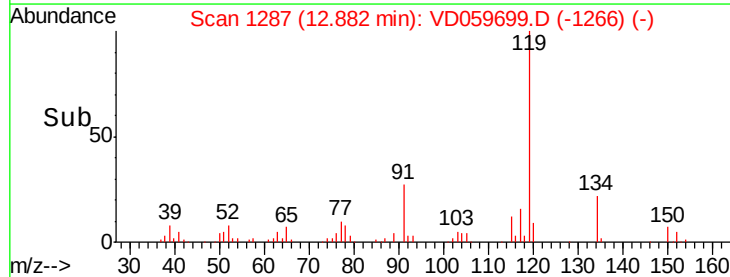
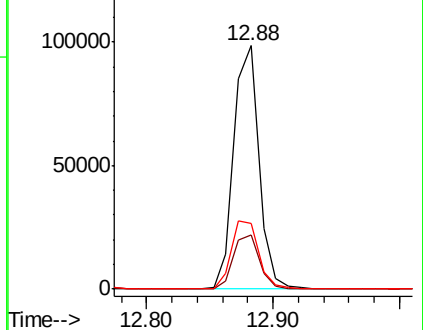
91 27.0 16.6 49.7

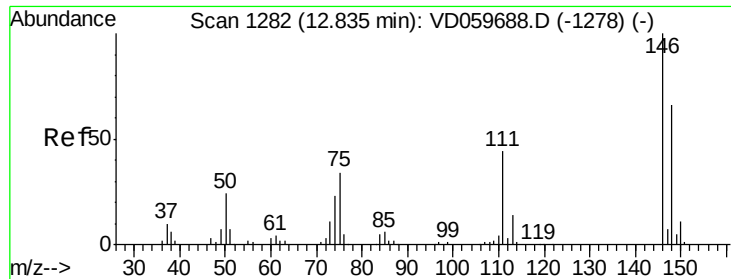


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

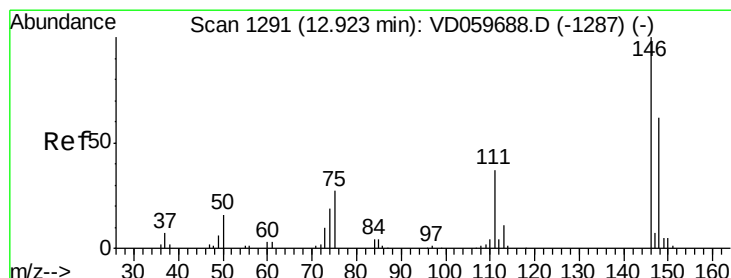
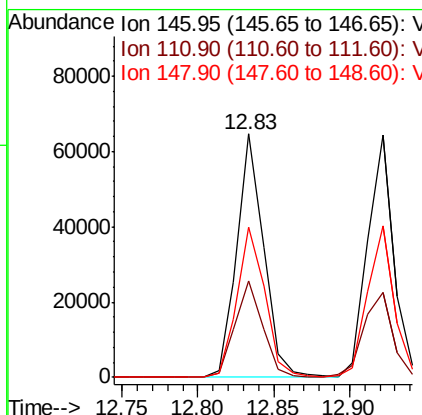
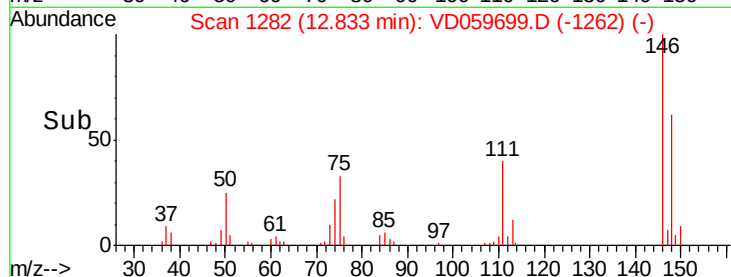
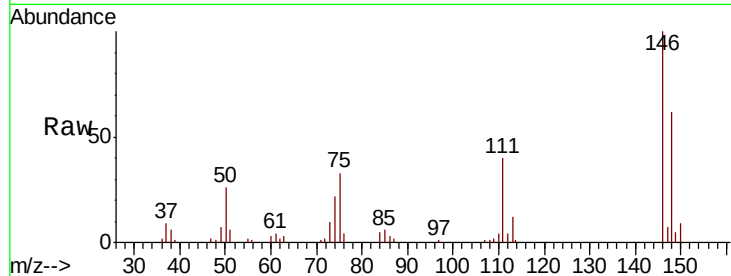




#87
 1,3-Dichlorobenzene
 Concen: 19.581 ug/l
 RT: 12.83 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD059699.D
 Acq: 7 Aug 2018 12:29

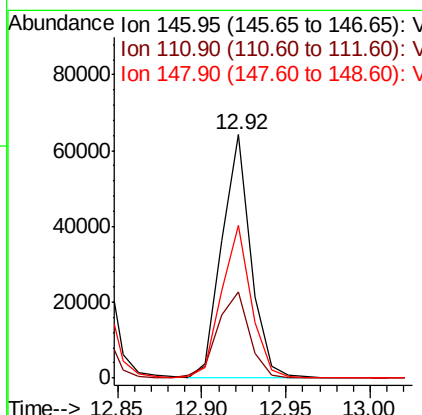
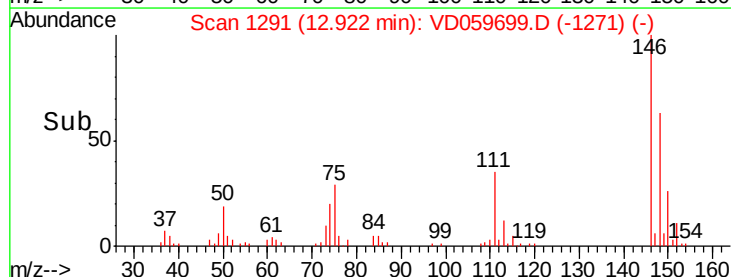
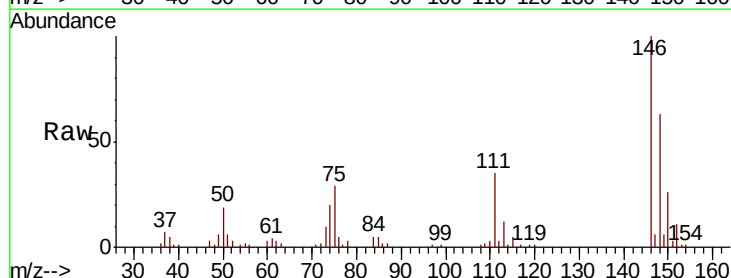
Instrument :
 MSVOA_D
 ClientSampled :

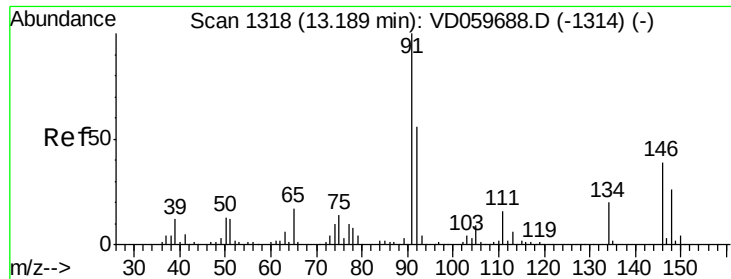
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	21.8	65.4
148	61.9	33.1	99.2



#88
 1,4-Dichlorobenzene
 Concen: 18.937 ug/l
 RT: 12.92 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD059699.D
 Acq: 7 Aug 2018 12:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.2	18.6	55.8
148	62.6	31.2	93.6

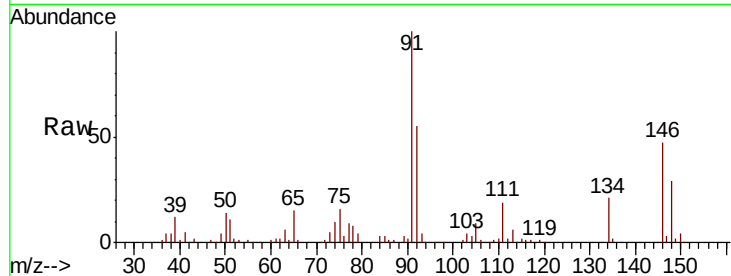




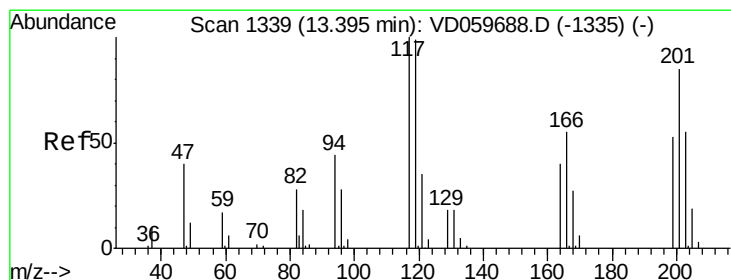
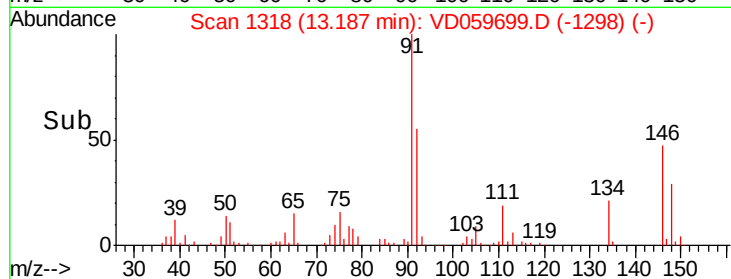
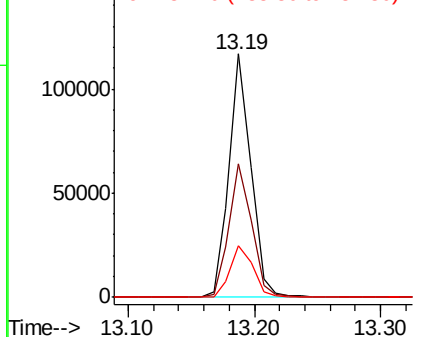
#89
n-Butylbenzene
Concen: 19.384 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VD059699.D
Acq: 7 Aug 2018 12:29

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 140311
Ion Ratio Lower Upper
91 100
92 55.0 28.2 84.6
134 21.2 9.8 29.5

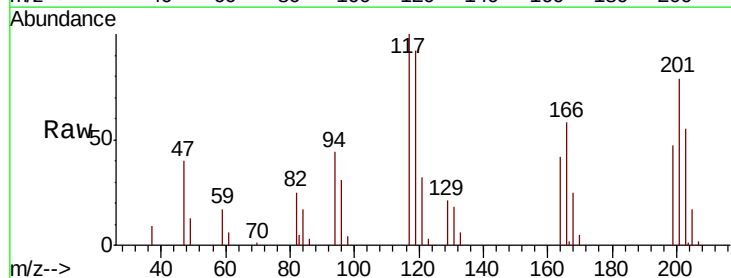


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

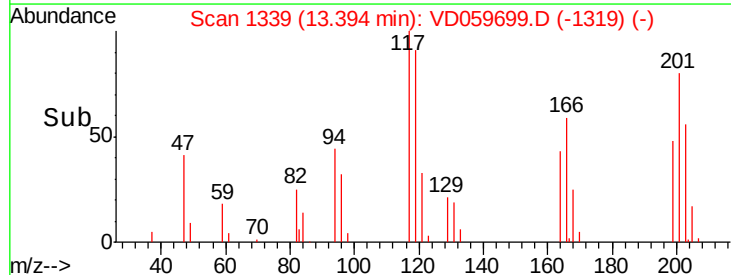
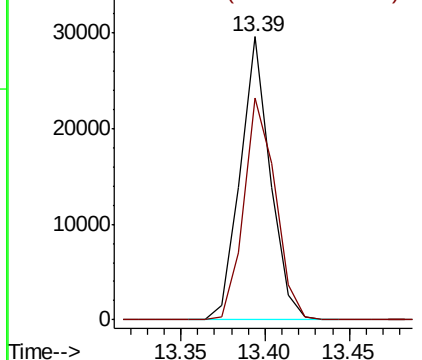


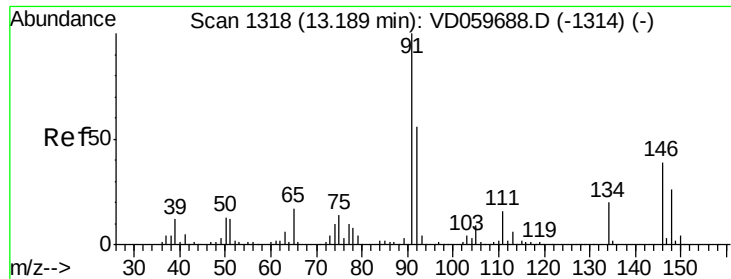
#90
Hexachloroethane
Concen: 19.668 ug/l
RT: 13.39 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VD059699.D
Acq: 7 Aug 2018 12:29

Tgt Ion: 117 Resp: 36391
Ion Ratio Lower Upper
117 100
201 78.6 42.4 127.1



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

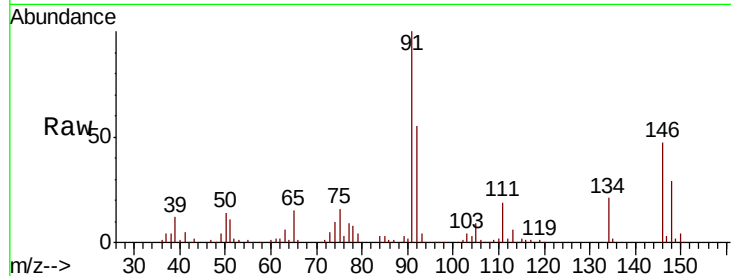




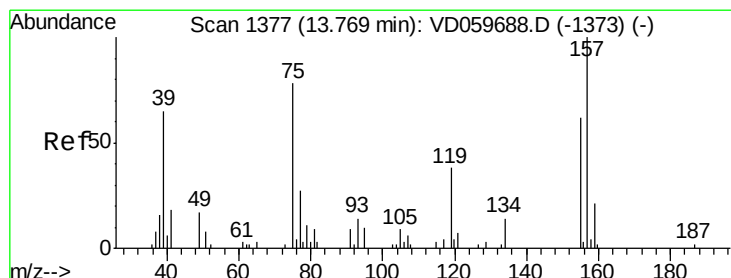
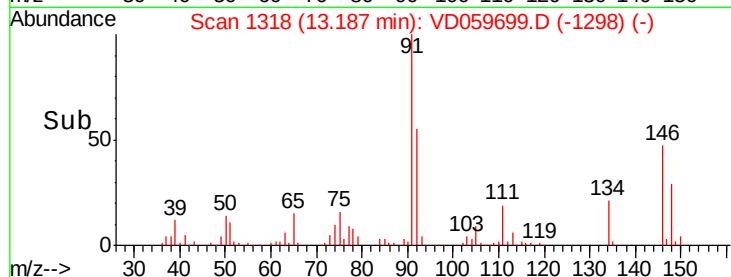
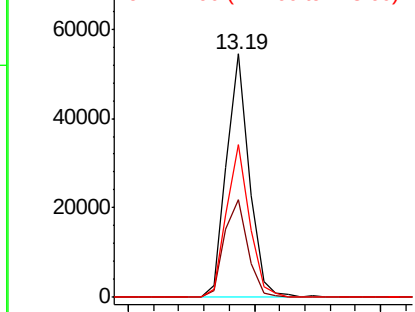
#91
 1,2-Dichlorobenzene
 Concen: 19.685 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: VD059699.D
 Acq: 7 Aug 2018 12:29

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 67426
 Ion Ratio Lower Upper
 146 100
 111 40.2 20.8 62.2
 148 62.9 33.4 100.2

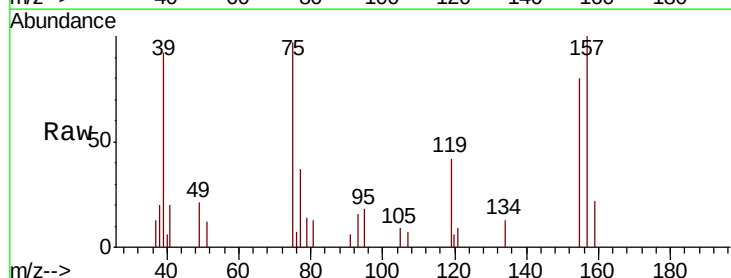


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

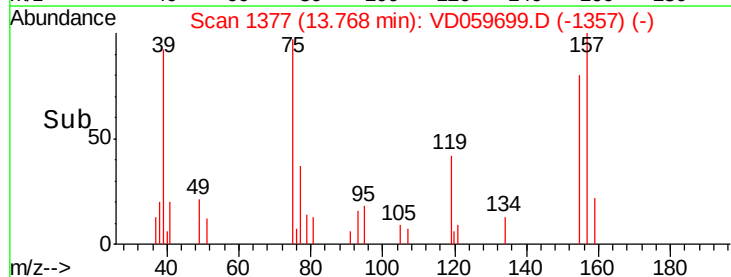
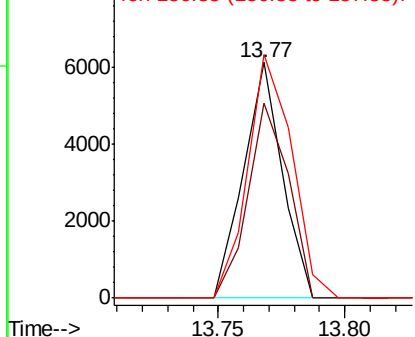


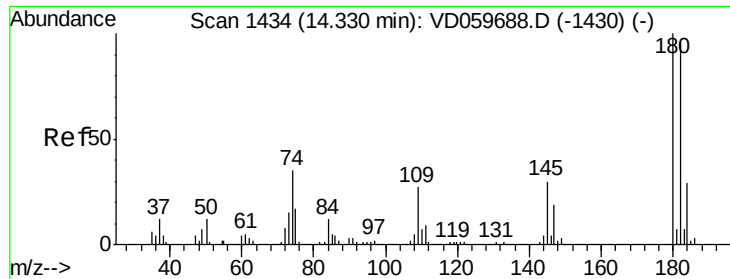
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.214 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VD059699.D
 Acq: 7 Aug 2018 12:29

Tgt Ion: 75 Resp: 6511
 Ion Ratio Lower Upper
 75 100
 155 82.6 40.0 119.9
 157 103.2 64.3 192.7



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

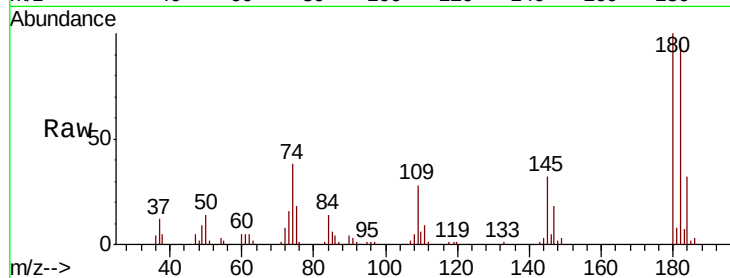




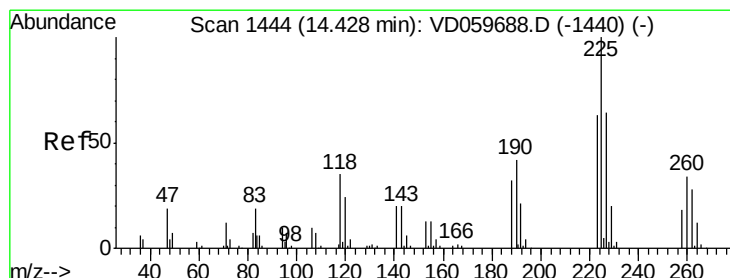
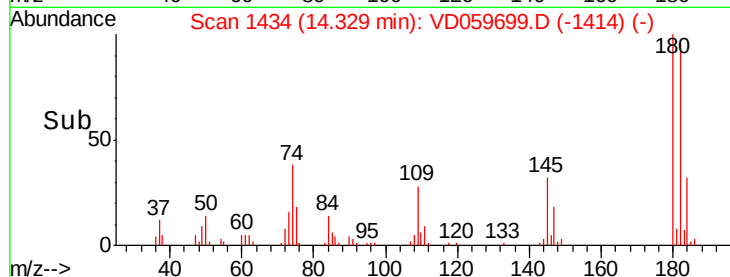
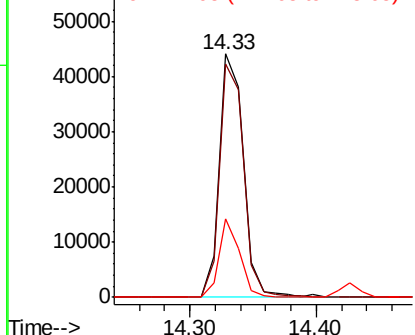
#93
 1,2,4-Trichlorobenzene
 Concen: 18.878 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VD059699.D
 Acq: 7 Aug 2018 12:29

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:180 Resp: 58168
 Ion Ratio Lower Upper
 180 100
 182 95.7 48.0 144.0
 145 32.1 14.8 44.4

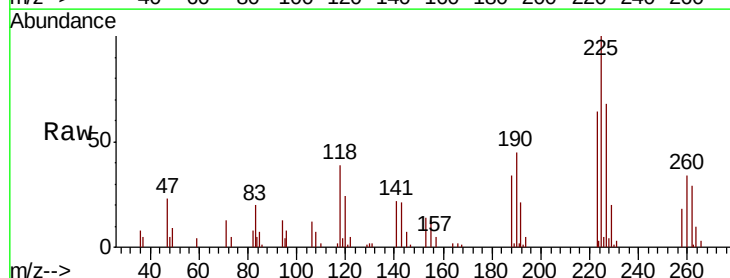


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

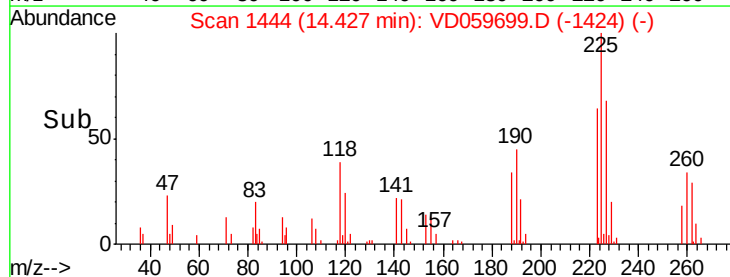
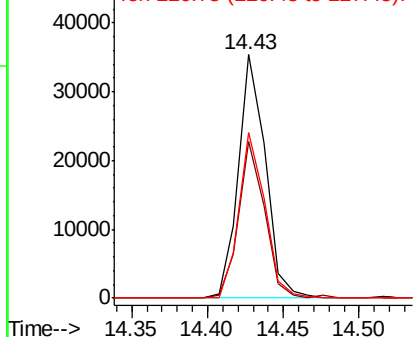


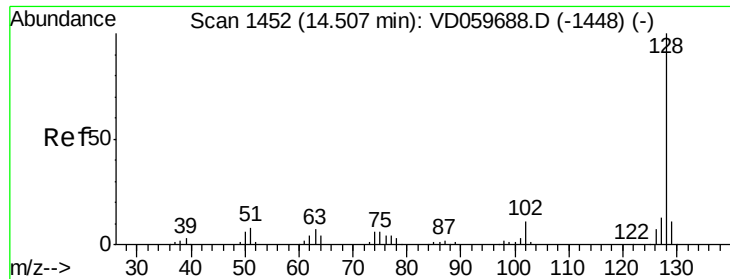
#94
 Hexachlorobutadiene
 Concen: 18.311 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VD059699.D
 Acq: 7 Aug 2018 12:29

Tgt Ion:225 Resp: 43756
 Ion Ratio Lower Upper
 225 100
 223 64.4 31.4 94.3
 227 67.8 32.1 96.3



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

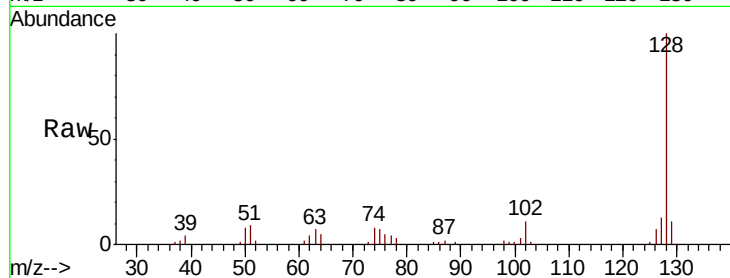




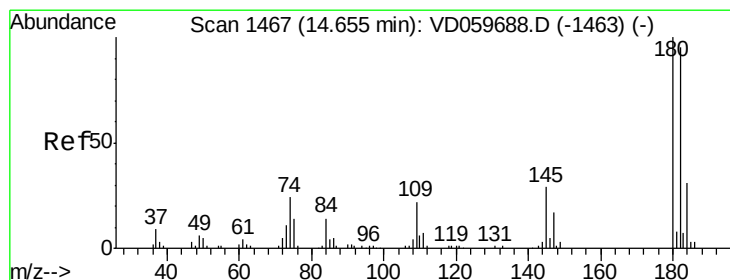
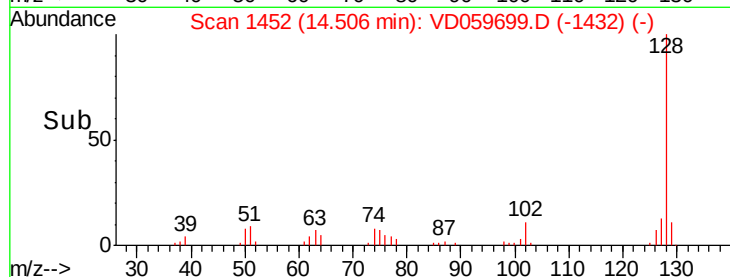
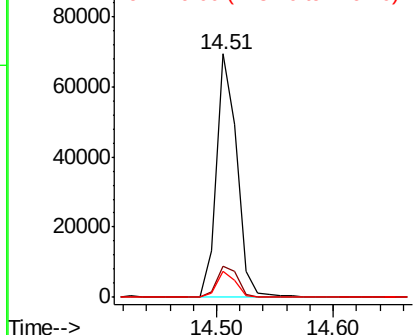
#95
Naphthalene
Concen: 18.438 ug/l
RT: 14.51 min Scan# 1452
Delta R.T. -0.00 min
Lab File: VD059699.D
Acq: 7 Aug 2018 12:29

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 84136
Ion Ratio Lower Upper
128 100
127 12.9 10.6 16.0
129 10.9 8.8 13.2

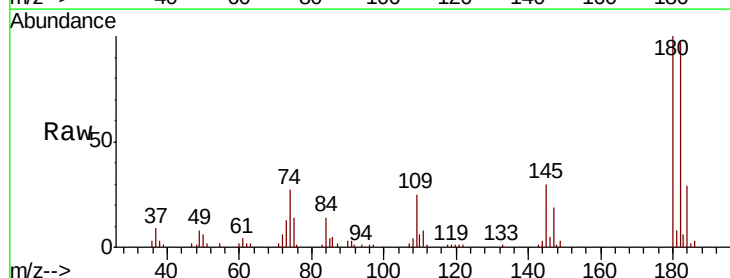


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.722 ug/l
RT: 14.65 min Scan# 1467
Delta R.T. -0.00 min
Lab File: VD059699.D
Acq: 7 Aug 2018 12:29

Tgt Ion:180 Resp: 53155
Ion Ratio Lower Upper
180 100
182 97.1 47.5 142.5
145 30.2 14.5 43.5



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

