

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062418\
 Data File : VD058371.D
 Acq On : 24 Jun 2018 14:57
 Operator : VA/AP
 Sample : J3671-13
 Misc : 6.21g/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 25 04:02:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	817619	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.70	114	1014460	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.70	117	843145	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.91	152	444175	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	416629	50.45	ug/l	0.02
Spiked Amount			Recovery	=	100.90%	
35) Dibromofluoromethane	5.56	113	431189	52.22	ug/l	0.01
Spiked Amount			Recovery	=	104.44%	
50) Toluene-d8	8.72	98	1003191	50.22	ug/l	0.01
Spiked Amount			Recovery	=	100.44%	
62) 4-Bromofluorobenzene	11.94	95	439417	53.85	ug/l	0.01
Spiked Amount			Recovery	=	107.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	874	Below Cal	#	43
3) Chloromethane	1.55	50	29825	4.383	ug/l #	43
4) Vinyl Chloride	1.55	62	3848674	898.565	ug/l	97
6) Chloroethane	1.89	64	11423	7.515	ug/l	88
11) Tert butyl alcohol	3.40	59	20561	75.486	ug/l	97
12) 1,1-Dichloroethene	2.56	96	147851	52.635	ug/l	97
16) Acetone	2.62	43	99217	87.848	ug/l #	80
18) Methyl Acetate	2.93	43	5151	2.139	ug/l #	65
20) Methylene Chloride	3.08	84	38600	9.203	ug/l	99
21) trans-1,2-Dichloroethene	3.40	96	384490	125.243	ug/l	96
24) 1,1-Dichloroethane	3.99	63	815777	58.315	ug/l	99
25) 2-Butanone	4.85	43	2998	1.218	ug/l #	1
27) cis-1,2-Dichloroethene	4.81	96	14553414	1897.057	ug/l	87
29) Tetrahydrofuran	5.22	42	10727	8.187	ug/l #	62
30) Chloroform	5.33	83	48458	3.281	ug/l	93
31) Cyclohexane	5.61	56	17048	Below Cal		96
36) 1,1-Dichloropropene	5.65	75	61740	6.152	ug/l #	49
38) Carbon Tetrachloride	5.65	117	67295	6.749	ug/l #	14
39) Methylcyclohexane	7.28	83	47375	4.847	ug/l	93
40) Benzene	6.03	78	384522	16.085	ug/l	98
41) Methacrylonitrile	5.21	41	6758	2.448	ug/l #	58
42) 1,2-Dichloroethane	6.14	62	53410	5.541	ug/l	95
44) Trichloroethene	6.99	130	156055	21.739	ug/l	100
49) 1,4-Dioxane	7.17	88	210	5.021	ug/l #	26
51) 4-Methyl-2-Pentanone	8.65	43	5853	1.177	ug/l #	41
52) Toluene	8.81	92	120491	8.852	ug/l	99
55) 1,1,2-Trichloroethane	9.47	97	96693	20.077	ug/l	92
65) Chlorobenzene	10.73	112	1054848	66.883	ug/l	100
68) m/p-Xylenes	11.02	106	40772	4.391	ug/l	97
73) Isopropylbenzene	11.78	105	44780	1.685	ug/l	96
74) N-amyl acetate	11.60	43	16334	1.590	ug/l #	35
75) 1,1,2,2-Tetrachloroethane	12.10	83	8791	1.422	ug/l #	36
78) n-propylbenzene	12.16	91	62079	1.809	ug/l	99
80) 1,3,5-Trimethylbenzene	12.32	105	141955	6.850	ug/l	99

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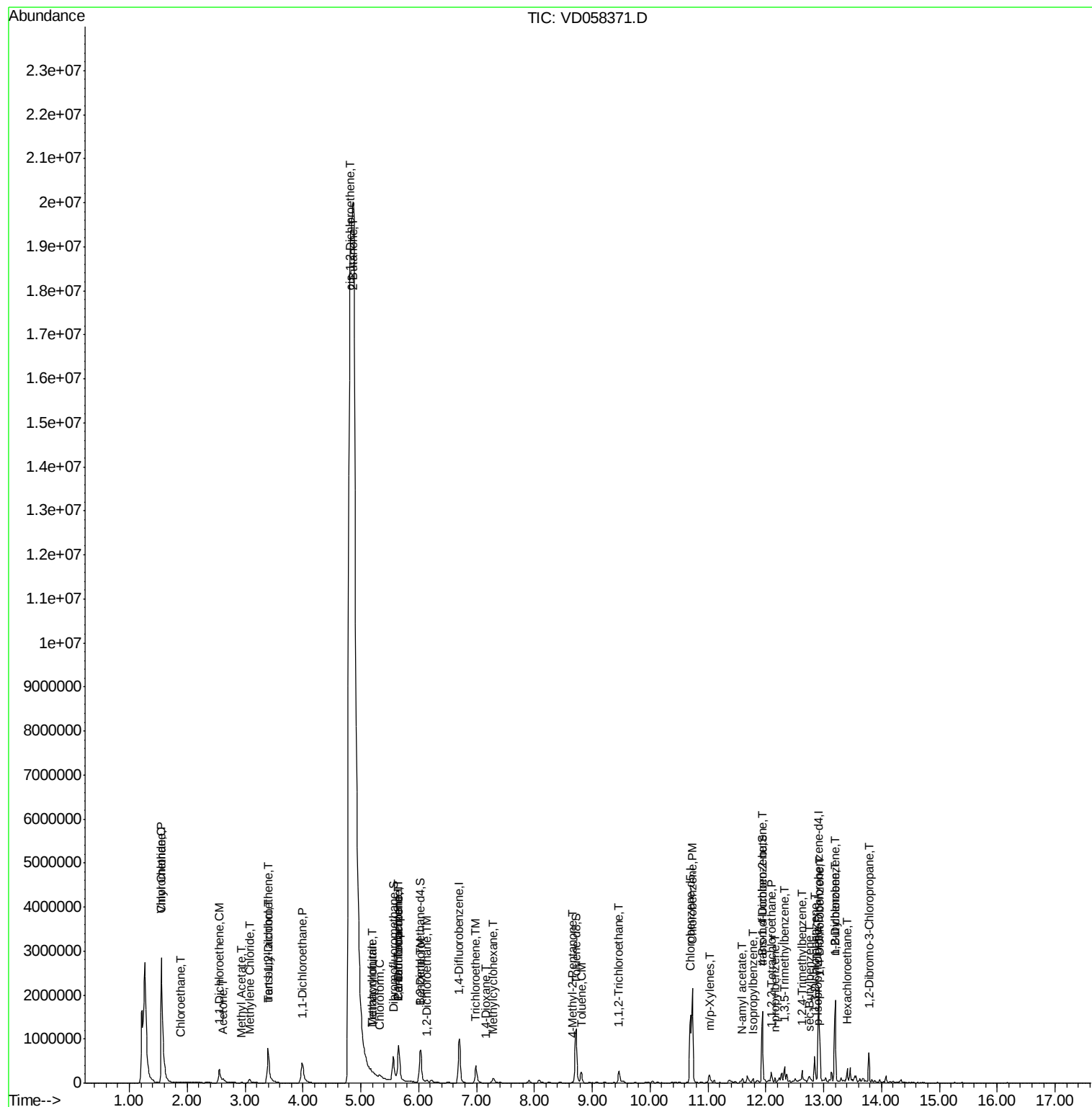
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) trans-1,4-Dichloro-2-buten	11.94	75	199706	126.263	ug/l #	1
82) 4-Chlorotoluene	12.32	91	17951	Below Cal	#	45
84) 1,2,4-Trimethylbenzene	12.63	105	95034	4.219	ug/l	99
85) sec-Butylbenzene	12.76	105	52824	1.892	ug/l	91
86) p-Isopropyltoluene	12.89	119	34108	1.507	ug/l	94
87) 1,3-Dichlorobenzene	12.85	146	144341	10.438	ug/l	93
88) 1,4-Dichlorobenzene	12.93	146	273848	20.280	ug/l	98
89) n-Butylbenzene	13.20	91	88177	3.707	ug/l	90
90) Hexachloroethane	13.41	117	12182	2.074	ug/l #	1
91) 1,2-Dichlorobenzene	13.20	146	507521	43.129	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.78	75	2239	2.275	ug/l #	1

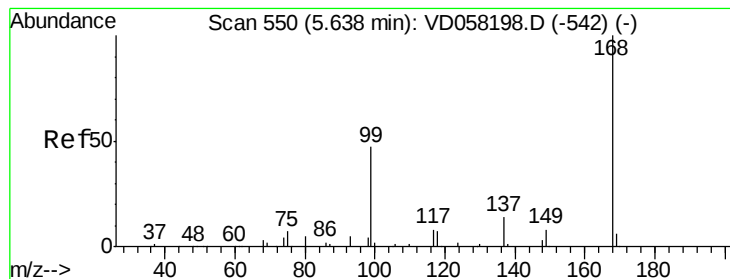
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062418\
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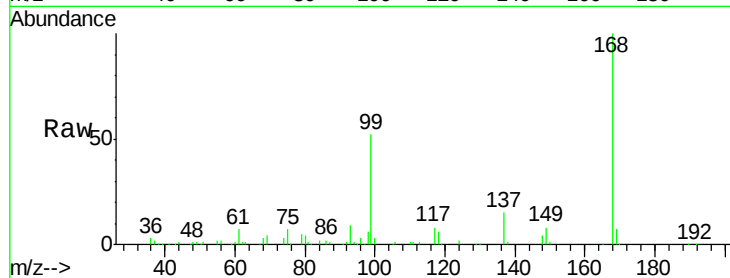


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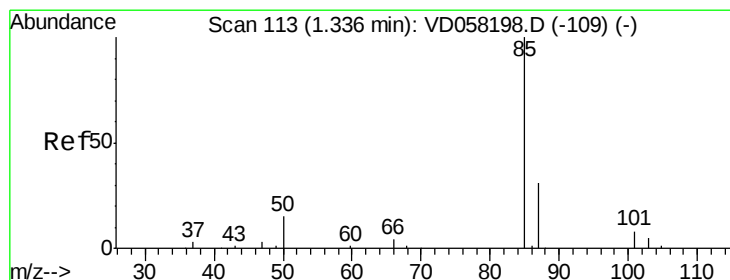
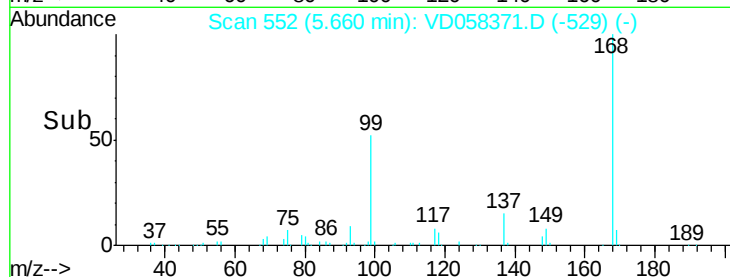
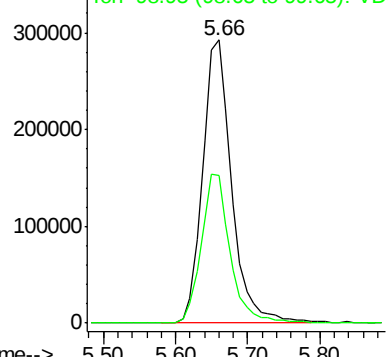
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 552
 Delta R.T. 0.02 min
 Lab File: VD058371.D
 Acq: 24 Jun 2018 14:57

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:168 Resp: 817619
 Ion Ratio Lower Upper
 168 100
 99 52.0 41.1 61.7



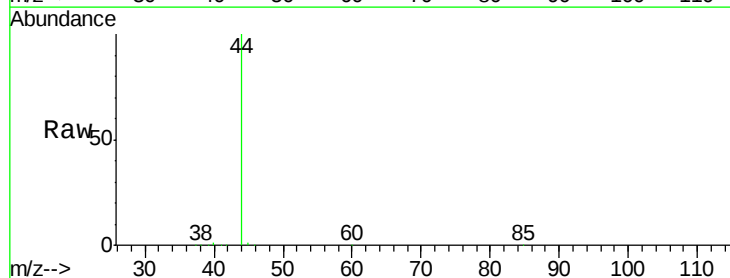
Abundance Ion 167.90 (167.60 to 168.60): V



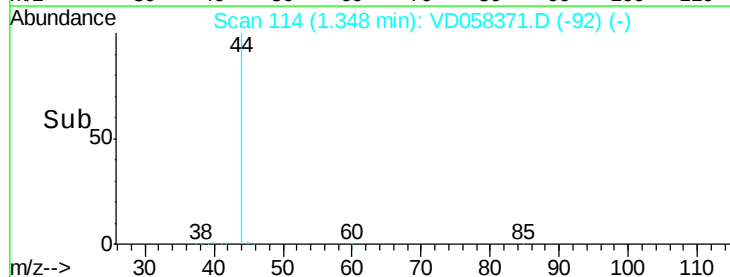
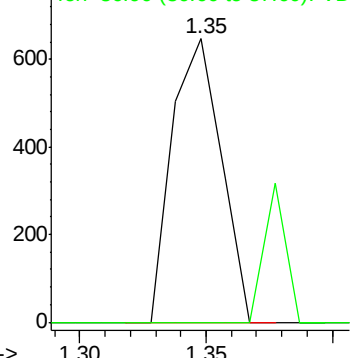
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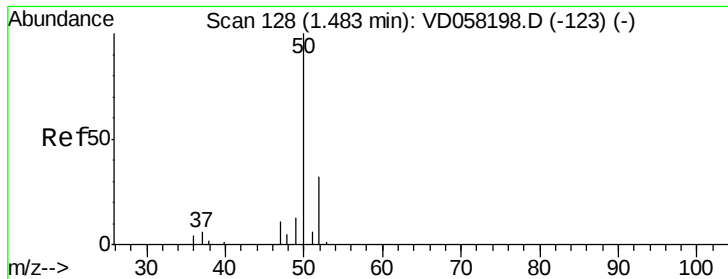
Dichlorodifluoromethane
 Concen: Below Cal
 RT: 1.35 min Scan# 114
 Delta R.T. 0.01 min
 Lab File: VD058371.D
 Acq: 24 Jun 2018 14:57

Tgt Ion: 85 Resp: 874
 Ion Ratio Lower Upper
 85 100
 87 0.0 15.7 47.0#



Abundance Ion 84.95 (84.65 to 85.65): VDC





#3

Chloromethane

Concen: 4.383 ug/l

RT: 1.55 min Scan# 135

Delta R.T. 0.07 min

Lab File: VD058371.D

Acq: 24 Jun 2018 14:57

Instrument :

MSVOA_D

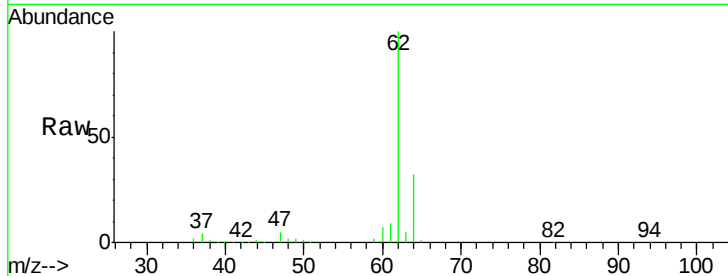
ClientSampled :

Tot Ion: 50 Resp: 29825

Ion Ratio Lower Upper

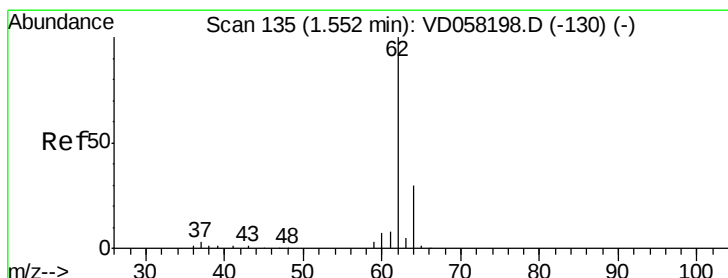
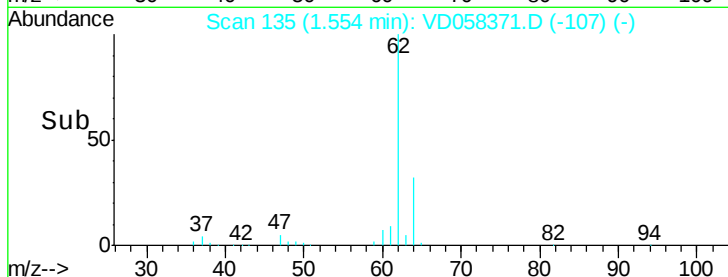
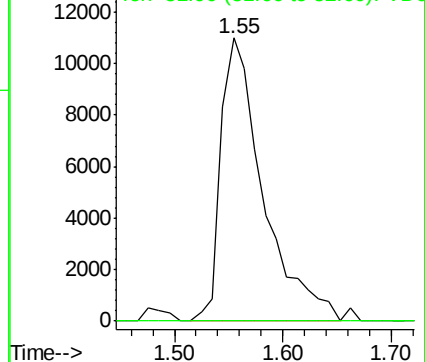
50 100

52 0.0 25.0 37.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 898.565 ug/l

RT: 1.55 min Scan# 135

Delta R.T. 0.00 min

Lab File: VD058371.D

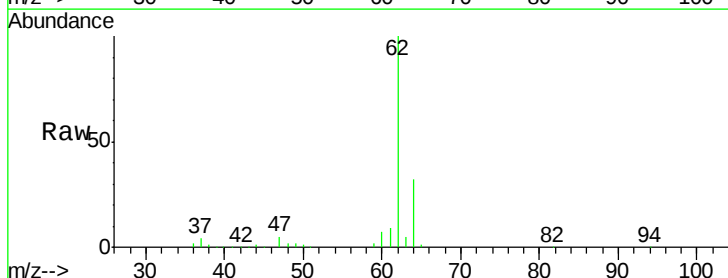
Acq: 24 Jun 2018 14:57

Tgt Ion: 62 Resp: 3848674

Ion Ratio Lower Upper

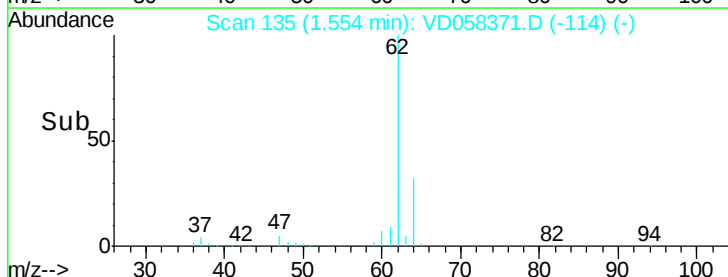
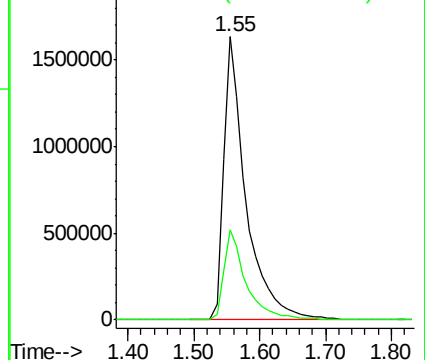
62 100

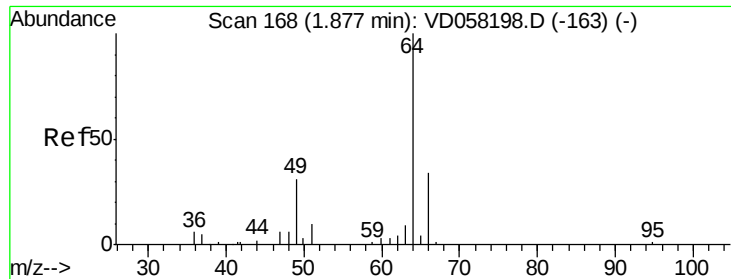
64 32.0 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#6

Chloroethane

Concen: 7.515 ug/l

RT: 1.89 min Scan# 169

Delta R.T. 0.01 min

Lab File: VD058371.D

Acq: 24 Jun 2018 14:57

Instrument :

MSVOA_D

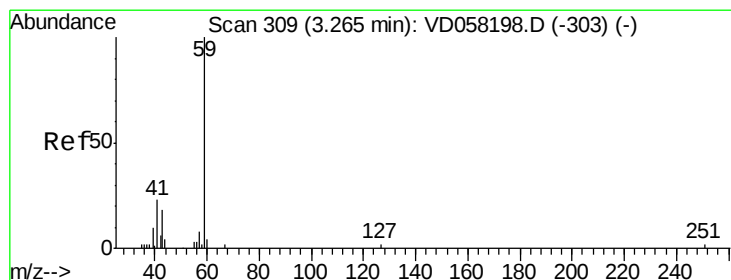
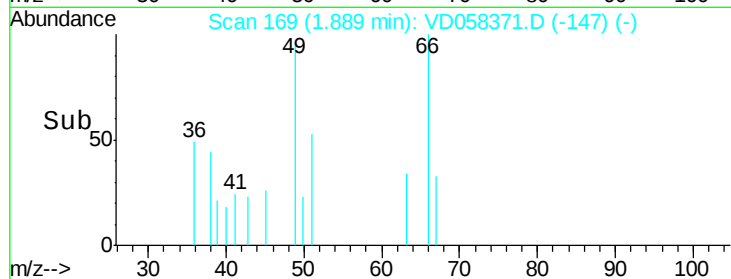
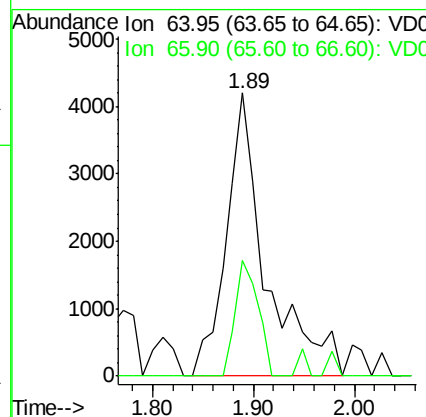
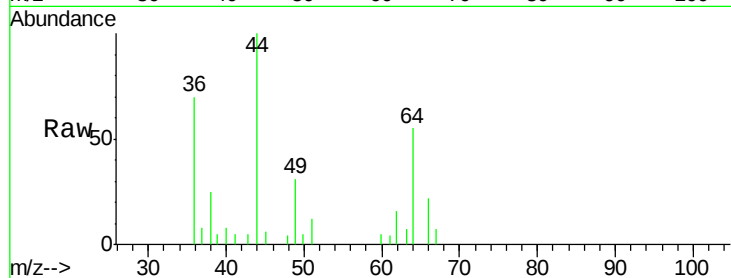
ClientSampleId :

Tot Ion: 64 Resp: 11423

Ion Ratio Lower Upper

64 100

66 40.8 27.3 40.9



#11

Tert butyl alcohol

Concen: 75.486 ug/l

RT: 3.40 min Scan# 322

Delta R.T. 0.13 min

Lab File: VD058371.D

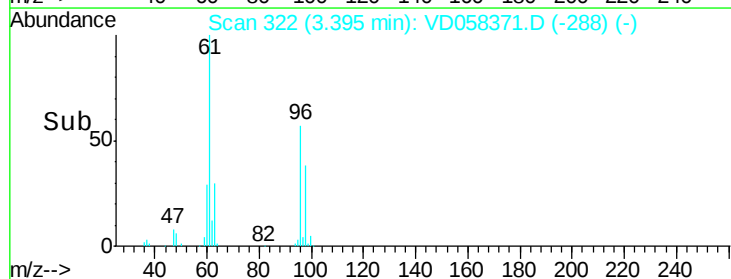
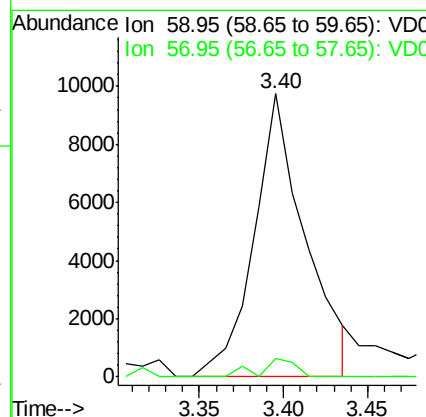
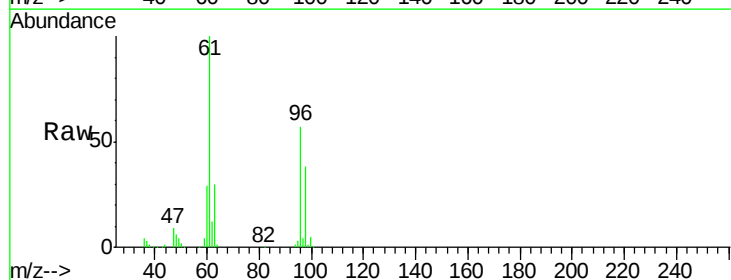
Acq: 24 Jun 2018 14:57

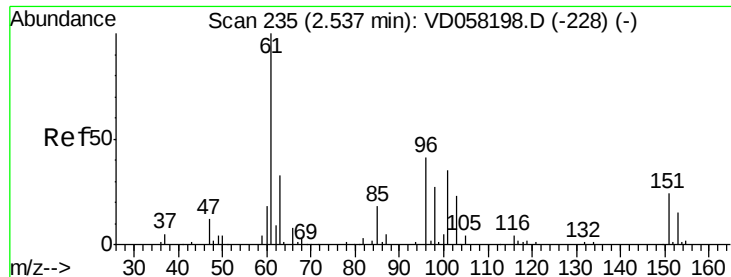
Tgt Ion: 59 Resp: 20561

Ion Ratio Lower Upper

59 100

57 6.7 6.2 9.4





#12

1,1-Dichloroethene

Concen: 52.635 ug/l

RT: 2.56 min Scan# 237

Delta R.T. 0.02 min

Lab File: VD058371.D

Acq: 24 Jun 2018 14:57

Instrument :
MSVOA_D
ClientSampleId :

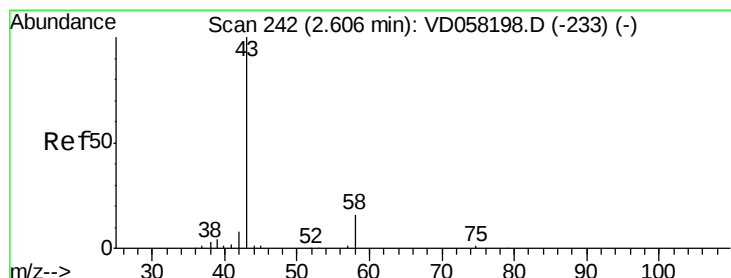
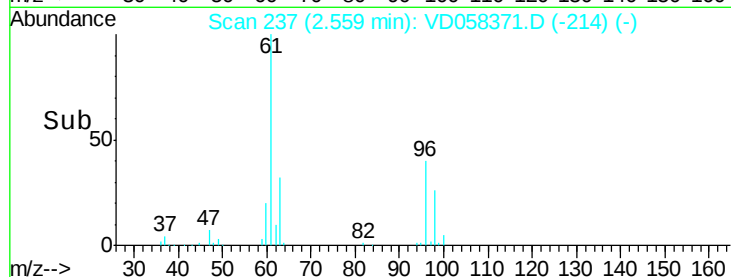
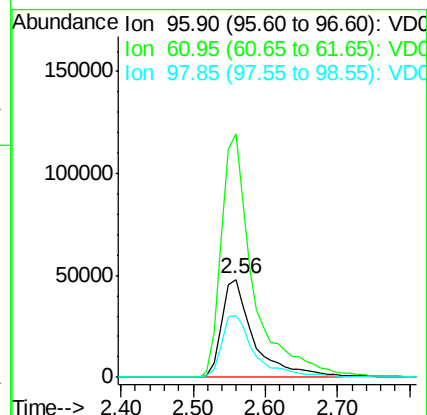
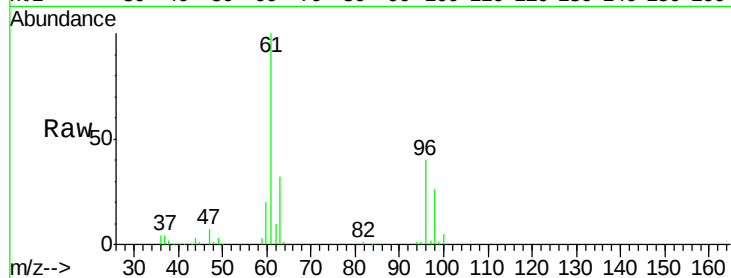
Tot Ion: 96 Resp: 147851

Ion Ratio Lower Upper

96 100

61 249.2 193.9 290.9

98 63.6 51.7 77.5



#16

Acetone

Concen: 87.848 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD058371.D

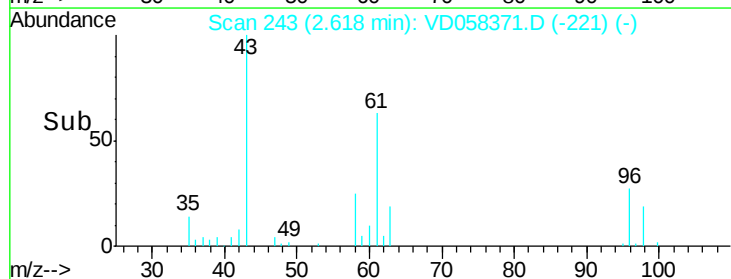
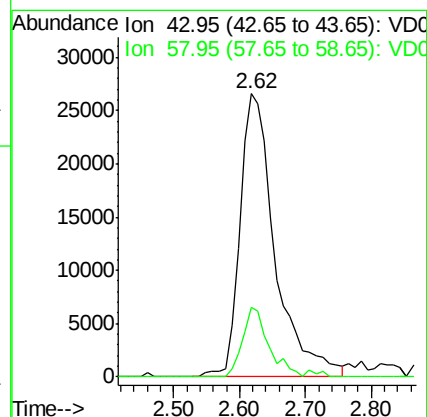
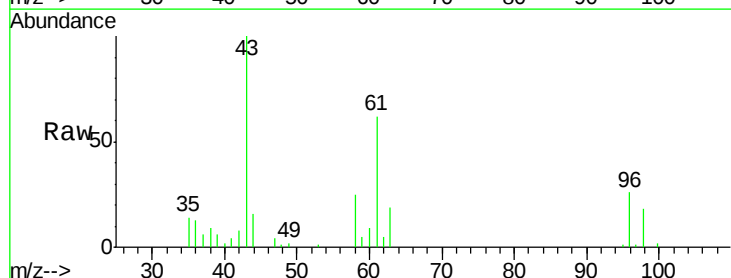
Acq: 24 Jun 2018 14:57

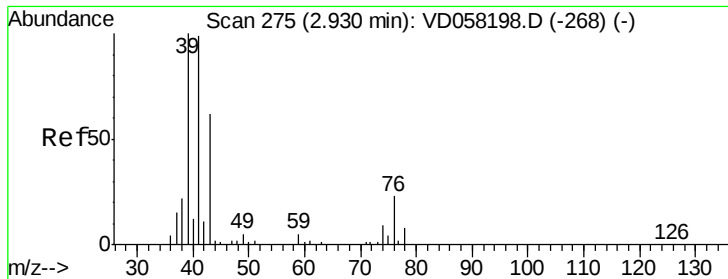
Tgt Ion: 43 Resp: 99217

Ion Ratio Lower Upper

43 100

58 24.5 12.7 19.1#

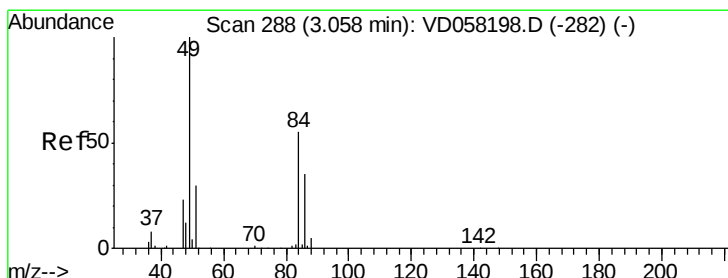
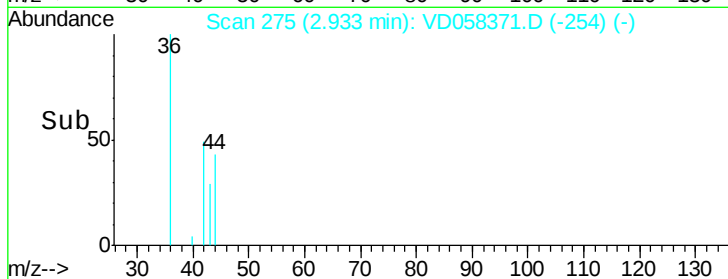
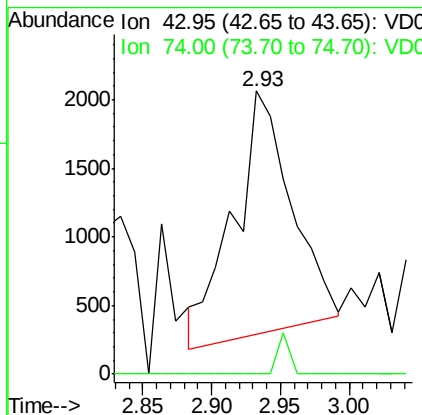
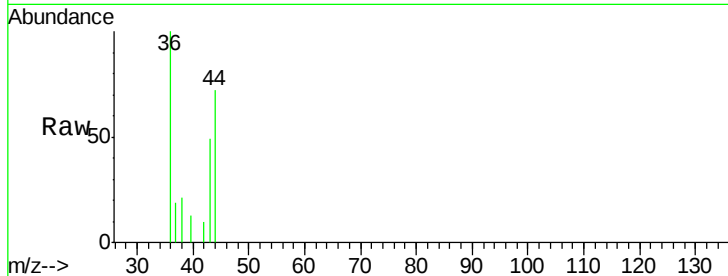




#18
Methvl Acetate
Concen: 2.139 ug/l
RT: 2.93 min Scan# 275
Delta R.T. 0.00 min
Lab File: VD058371.D
Acq: 24 Jun 2018 14:57

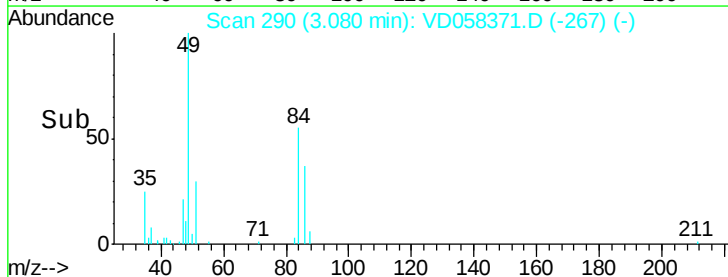
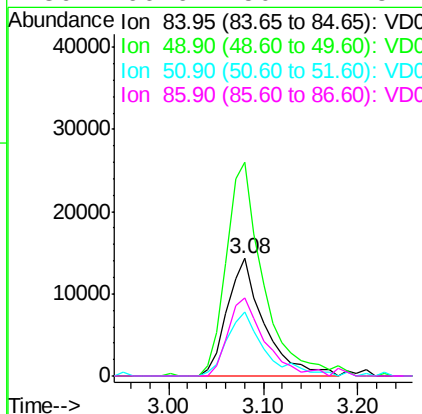
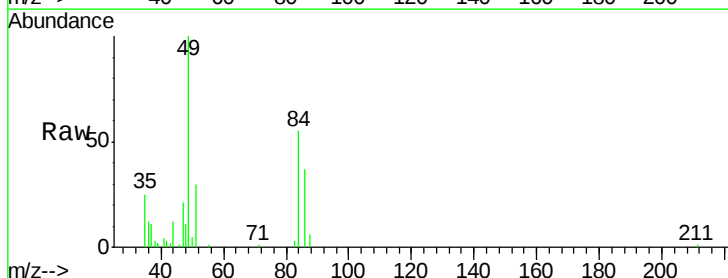
Instrument :
MSVOA_D
ClientSampled :

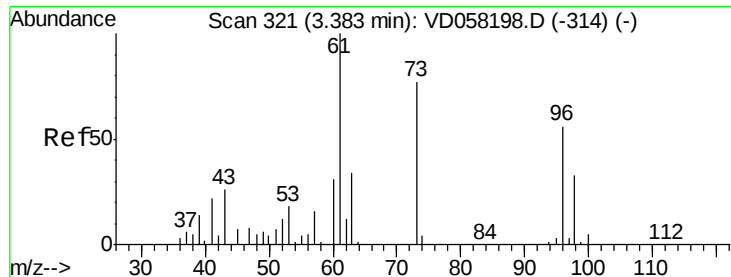
Tot Ion: 43 Resp: 5151
Ion Ratio Lower Upper
43 100
74 0.0 11.7 17.5#



#20
Methylene Chloride
Concen: 9.203 ug/l
RT: 3.08 min Scan# 290
Delta R.T. 0.02 min
Lab File: VD058371.D
Acq: 24 Jun 2018 14:57

Tgt Ion: 84 Resp: 38600
Ion Ratio Lower Upper
84 100
49 181.9 145.0 217.6
51 54.3 42.9 64.3
86 66.6 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 125.243 ug/l

RT: 3.40 min Scan# 322

Delta R.T. 0.01 min

Lab File: VD058371.D

Acq: 24 Jun 2018 14:57

Instrument :

MSVOA_D

ClientSampled :

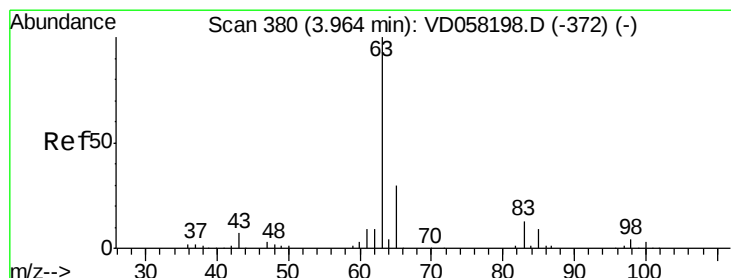
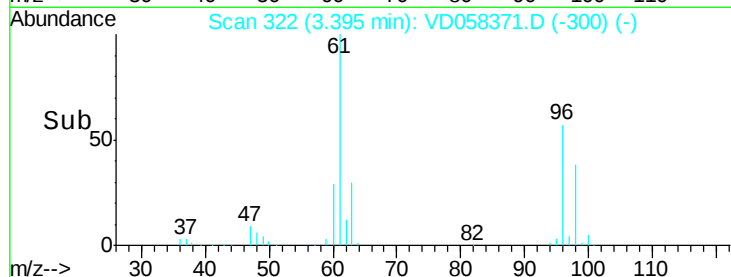
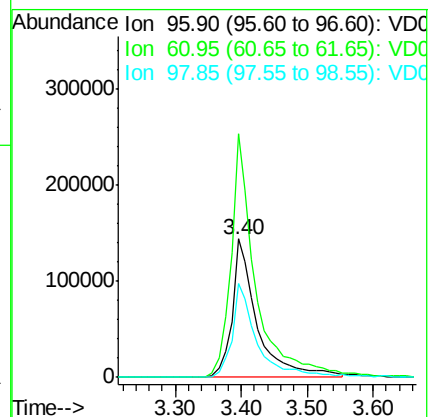
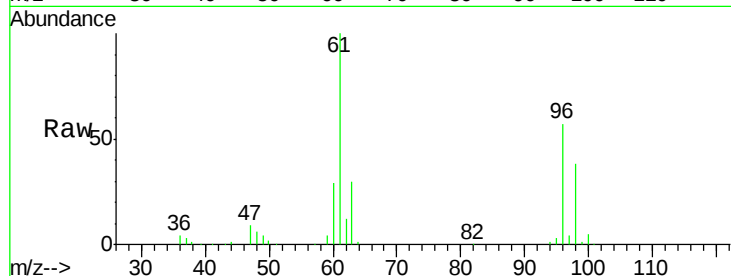
Tot Ion: 96 Resp: 384490

Ion Ratio Lower Upper

96 100

61 176.3 143.8 215.6

98 67.7 48.0 72.0



#24

1,1-Dichloroethane

Concen: 58.315 ug/l

RT: 3.99 min Scan# 382

Delta R.T. 0.02 min

Lab File: VD058371.D

Acq: 24 Jun 2018 14:57

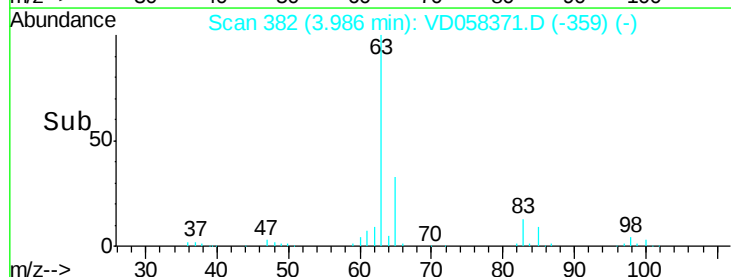
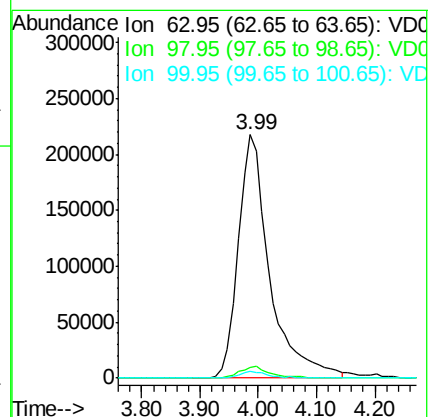
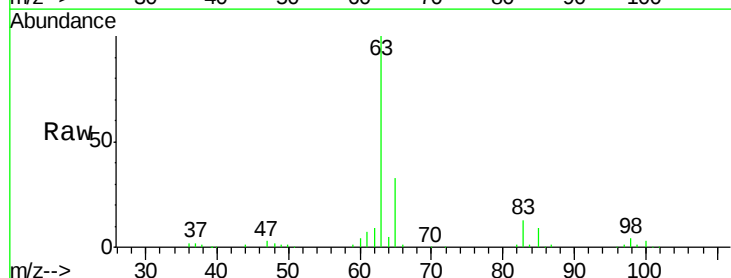
Tgt Ion: 63 Resp: 815777

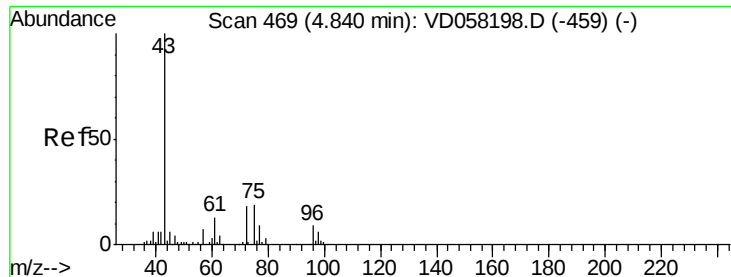
Ion Ratio Lower Upper

63 100

98 4.2 1.9 5.7

100 2.8 1.3 3.9





#25

2-Butanone

Concen: 1.218 ug/l

RT: 4.85 min Scan# 470

Delta R.T. 0.01 min

Lab File: VD058371.D

Acq: 24 Jun 2018 14:57

Instrument :

MSVOA_D

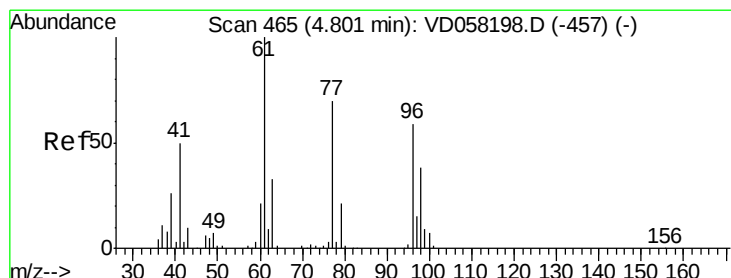
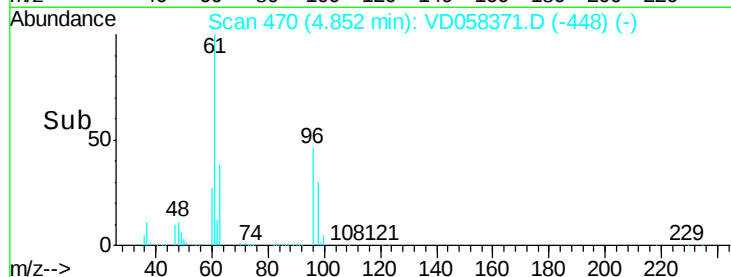
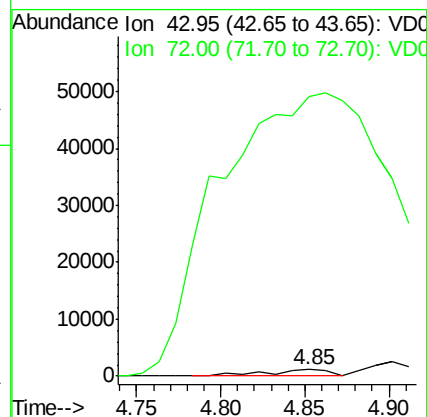
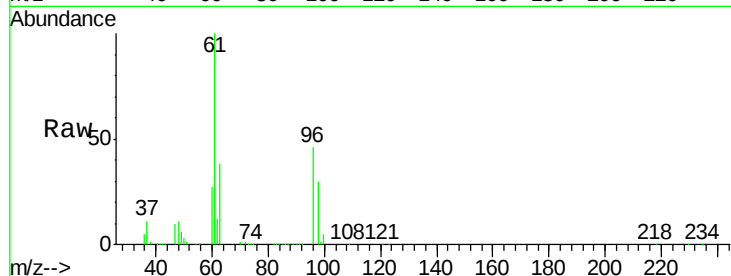
ClientSampled :

Tot Ion: 43 Resp: 2998

Ion Ratio Lower Upper

43 100

72 4338.2 14.1 21.1#



#27

cis-1,2-Dichloroethene

Concen: 1897.057 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.01 min

Lab File: VD058371.D

Acq: 24 Jun 2018 14:57

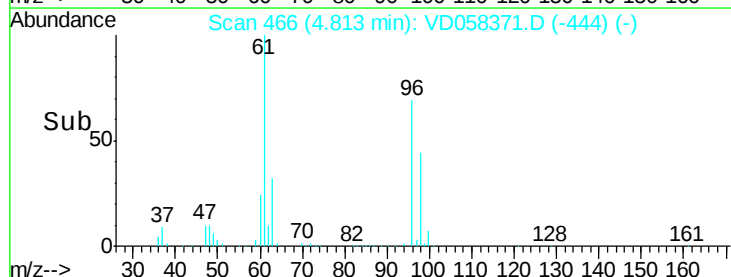
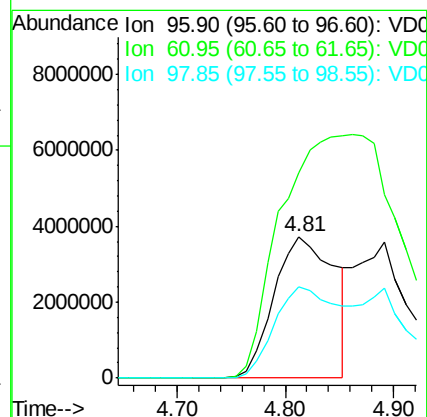
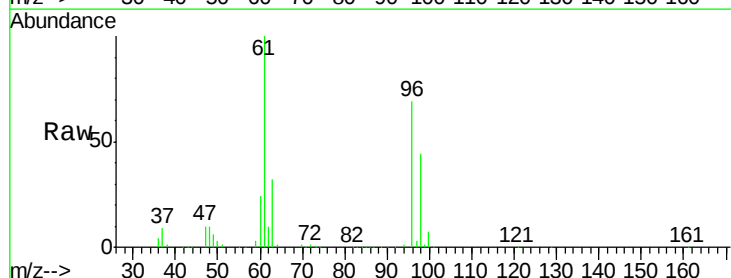
Tgt Ion: 96 Resp: 14553414

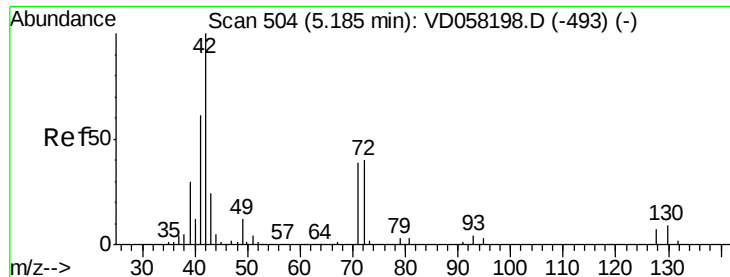
Ion Ratio Lower Upper

96 100

61 145.4 0.0 338.6

98 64.5 0.0 130.2

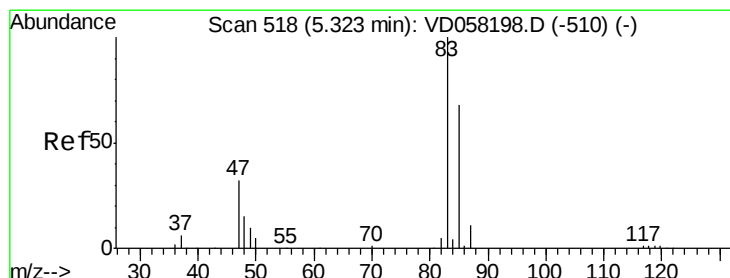
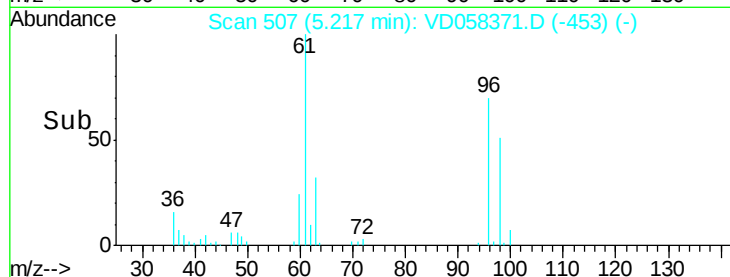
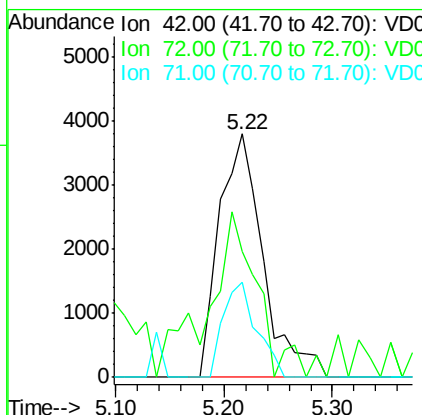
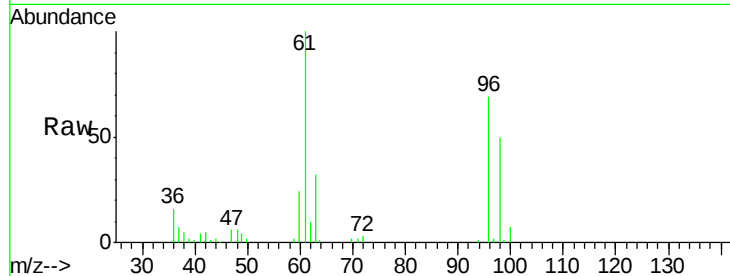




#29
Tetrahydrofuran
Concen: 8.187 ug/l
RT: 5.22 min Scan# 507
Delta R.T. 0.03 min
Lab File: VD058371.D
Acq: 24 Jun 2018 14:57

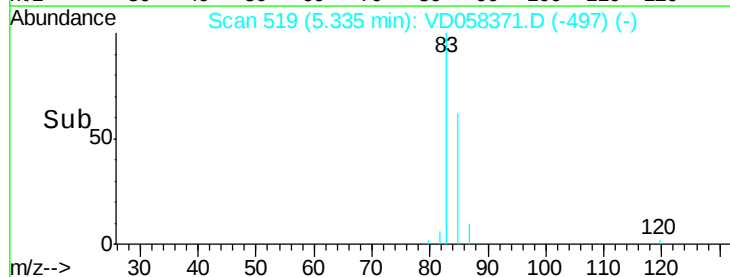
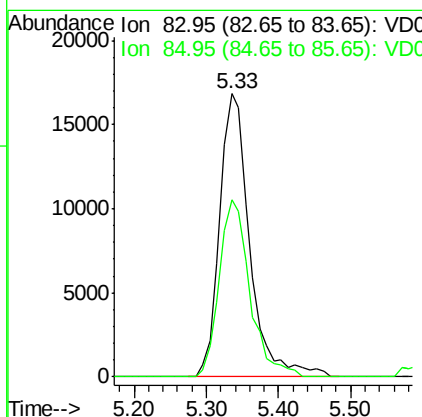
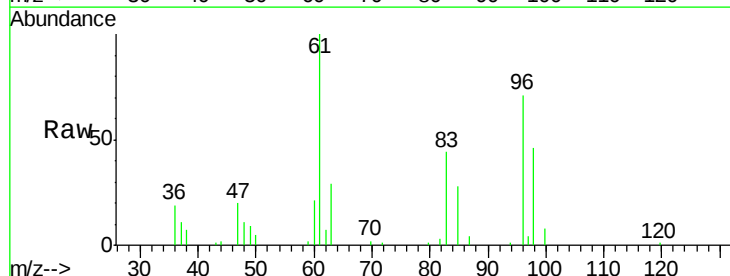
Instrument :
MSVOA_D
ClientSampleId :

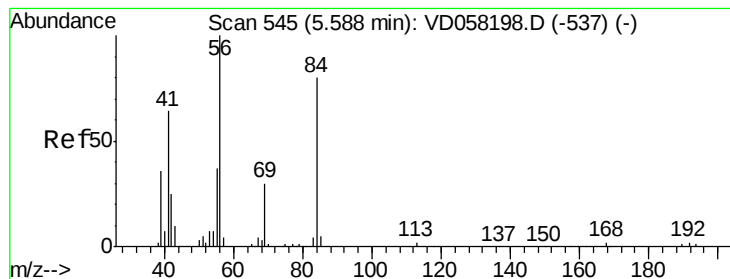
Tot Ion: 42 Resp: 10727
Ion Ratio Lower Upper
42 100
72 0.0 30.2 45.2#
71 29.6 30.1 45.1#



#30
Chloroform
Concen: 3.281 ug/l
RT: 5.33 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD058371.D
Acq: 24 Jun 2018 14:57

Tgt Ion: 83 Resp: 48458
Ion Ratio Lower Upper
83 100
85 62.5 54.8 82.2





#31

Cyclohexane

Concen: Below Cal

RT: 5.61 min Scan# 547

Delta R.T. 0.02 min

Lab File: VD058371.D

Acq: 24 Jun 2018 14:57

Instrument :

MSVOA_D

ClientSampled :

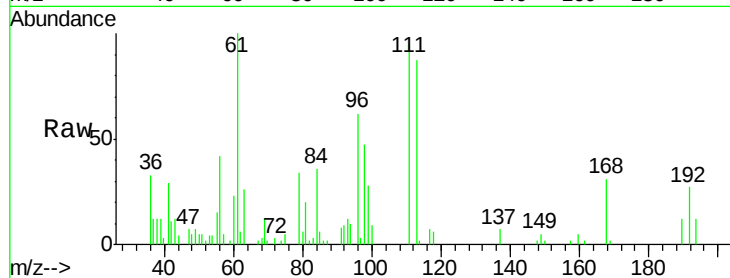
Tot Ion: 56 Resp: 17048

Ion Ratio Lower Upper

56 100

69 29.3 23.6 35.4

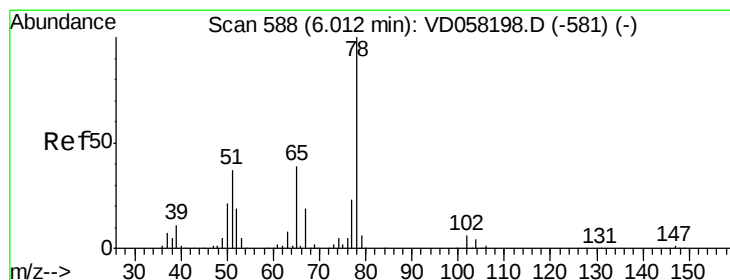
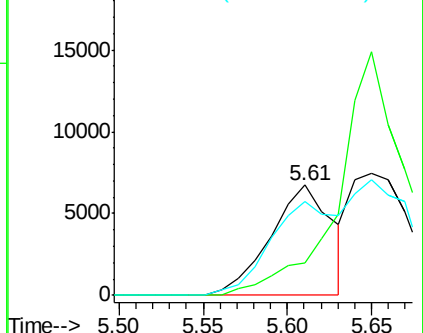
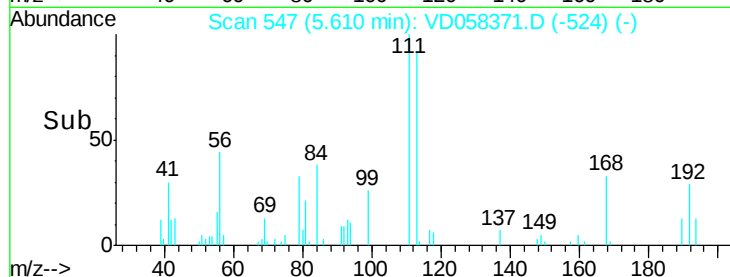
84 85.8 65.2 97.8



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



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 6.03 min Scan# 590

Delta R.T. 0.02 min

Lab File: VD058371.D

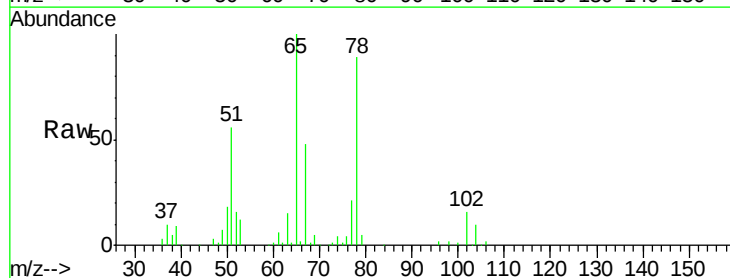
Acq: 24 Jun 2018 14:57

Tgt Ion: 65 Resp: 416629

Ion Ratio Lower Upper

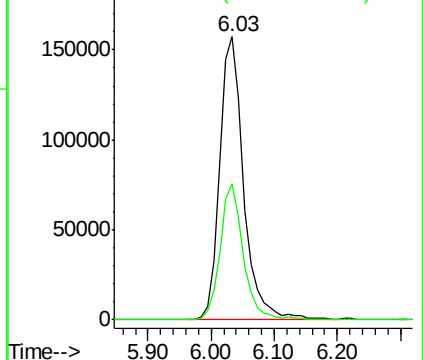
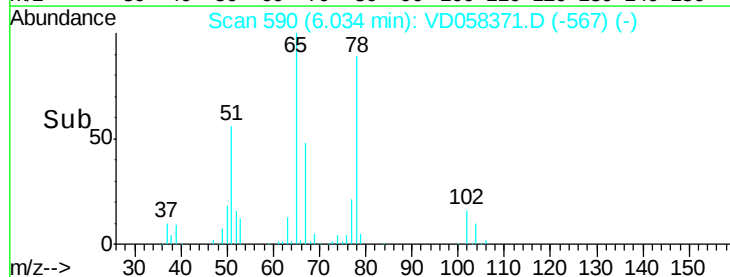
65 100

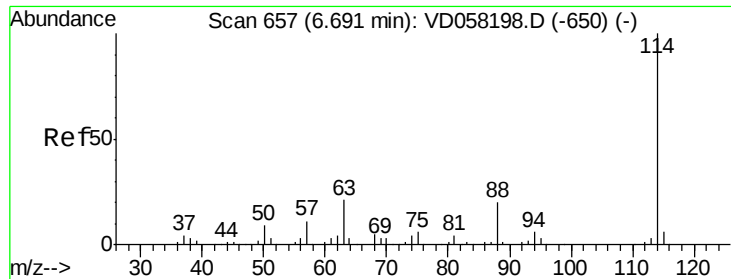
67 48.3 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

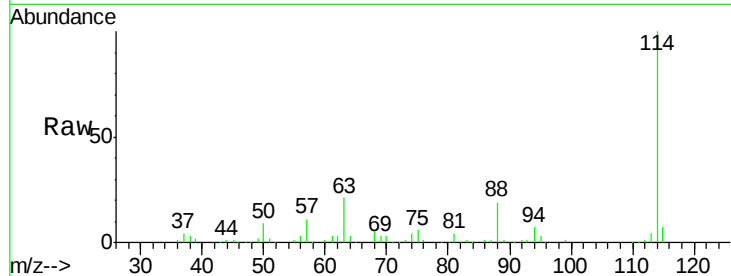




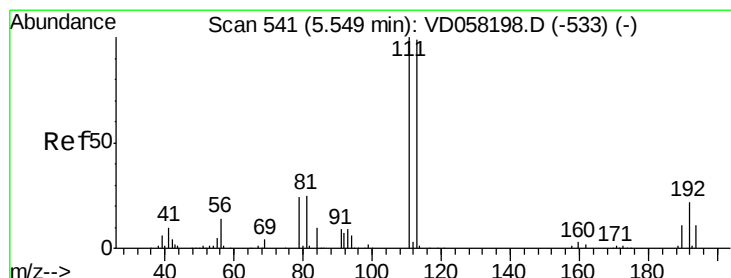
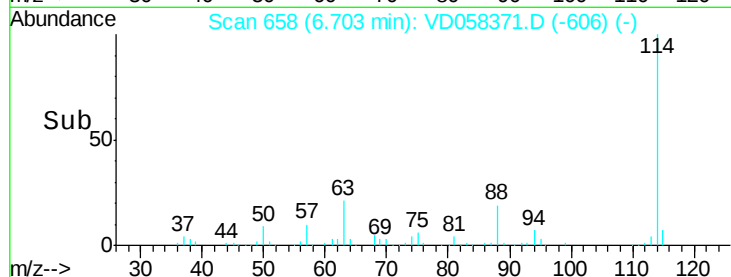
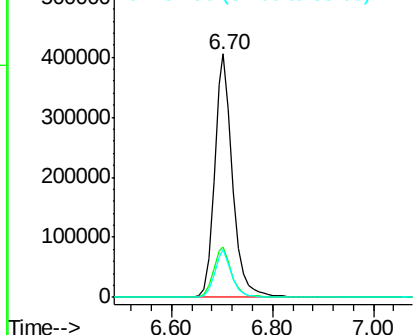
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.70 min Scan# 658
Delta R.T. 0.01 min
Lab File: VD058371.D
Acq: 24 Jun 2018 14:57

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:114 Resp: 1014460
Ion Ratio Lower Upper
114 100
63 20.6 0.0 42.6
88 19.5 0.0 40.6

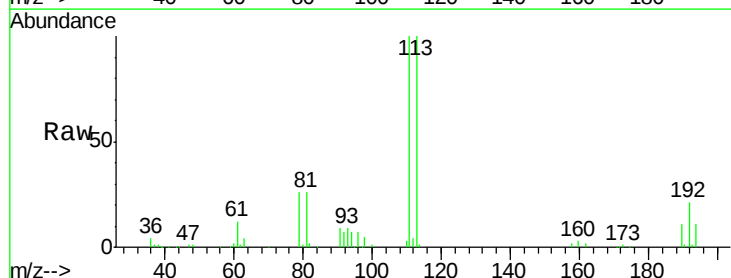


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 62.95 (62.65 to 63.65): VDC
Ion 87.90 (87.60 to 88.60): VDC

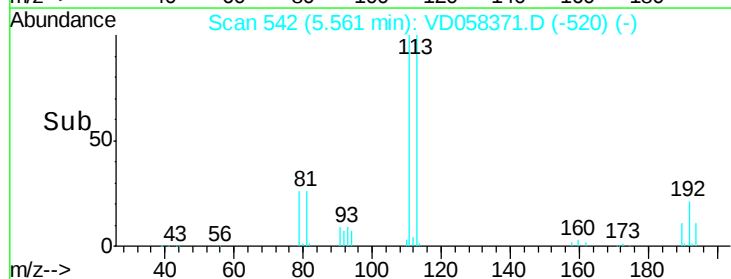
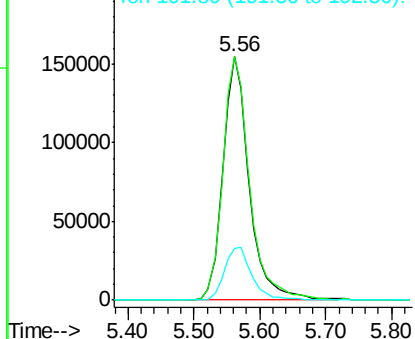


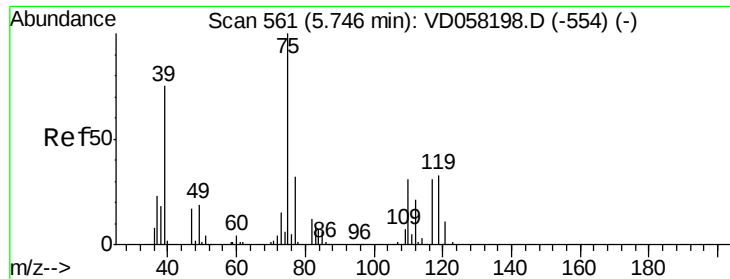
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 5.56 min Scan# 542
Delta R.T. 0.01 min
Lab File: VD058371.D
Acq: 24 Jun 2018 14:57

Tgt Ion:113 Resp: 431189
Ion Ratio Lower Upper
113 100
111 100.0 80.6 121.0
192 21.0 17.8 26.6



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: 6.152 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.10 min

Lab File: VD058371.D

Acq: 24 Jun 2018 14:57

Instrument :
MSVOA_D
ClientSampleId :

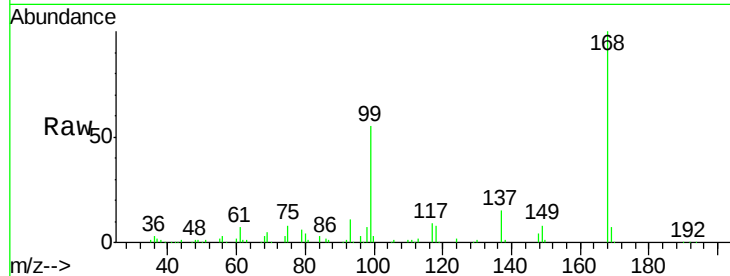
Tot Ion: 75 Resp: 61740

Ion Ratio Lower Upper

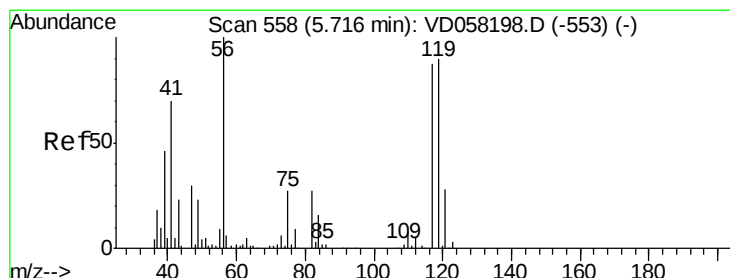
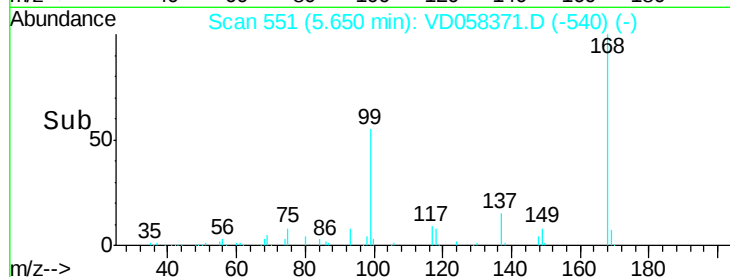
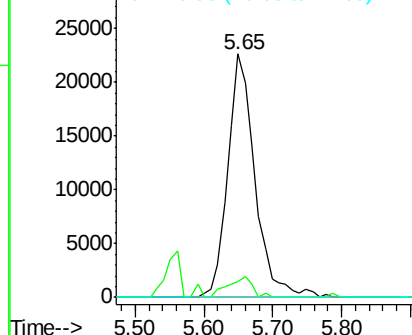
75 100

110 6.3 15.4 46.4#

77 0.0 25.4 38.2#



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



#38

Carbon Tetrachloride

Concen: 6.749 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.07 min

Lab File: VD058371.D

Acq: 24 Jun 2018 14:57

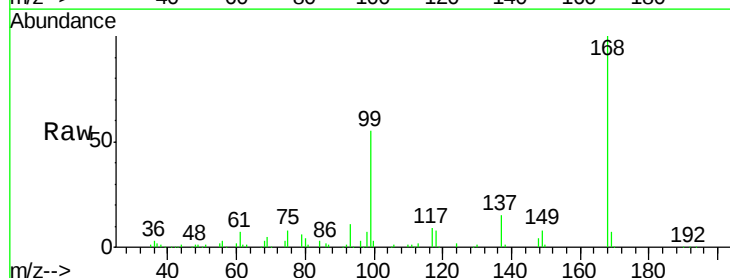
Tgt Ion: 117 Resp: 67295

Ion Ratio Lower Upper

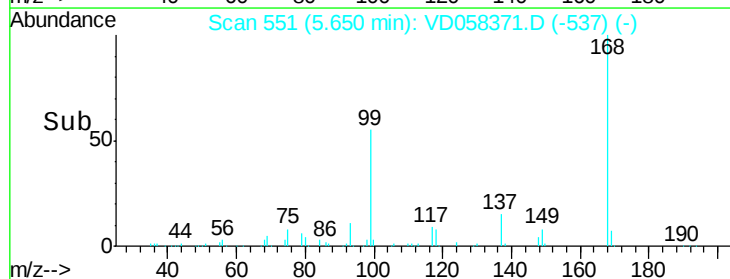
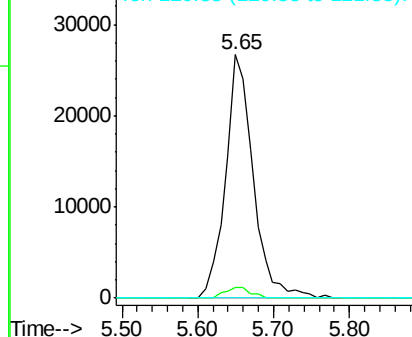
117 100

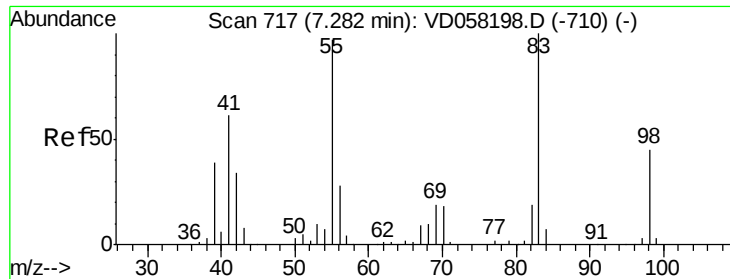
119 4.2 78.8 118.2#

121 0.0 25.0 37.6#



Abundance Ion 116.85 (116.55 to 117.55): VDC
Ion 118.85 (118.55 to 119.55): VDC
Ion 120.85 (120.55 to 121.55): VDC

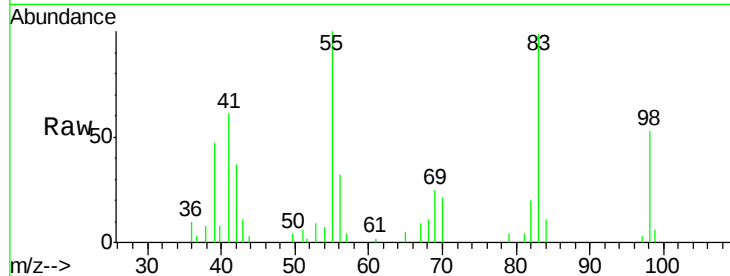




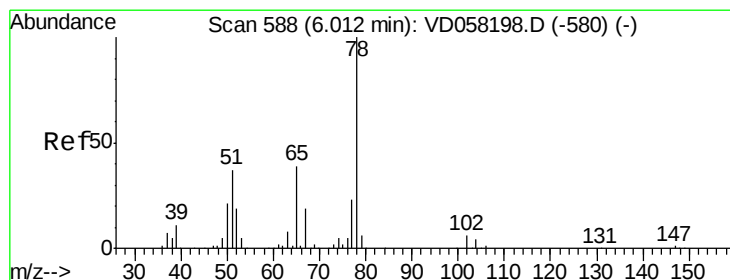
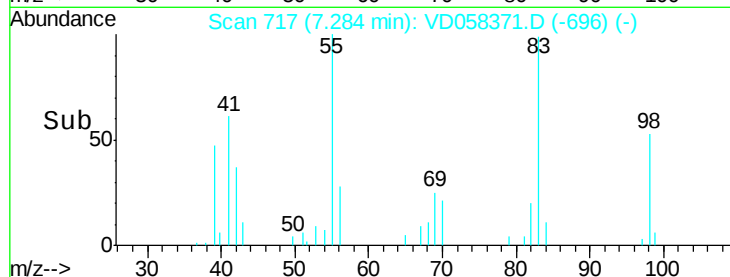
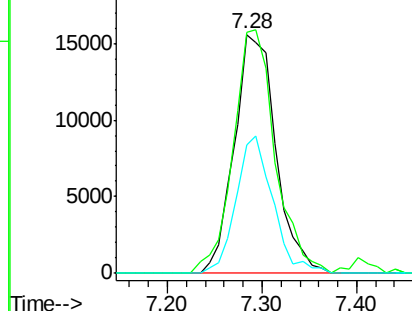
#39
Methvlcvclohexane
Concen: 4.847 ug/l
RT: 7.28 min Scan# 717
Delta R.T. 0.00 min
Lab File: VD058371.D
Acq: 24 Jun 2018 14:57

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 47375
Ion Ratio Lower Upper
83 100
55 101.1 77.4 116.2
98 53.8 35.9 53.9

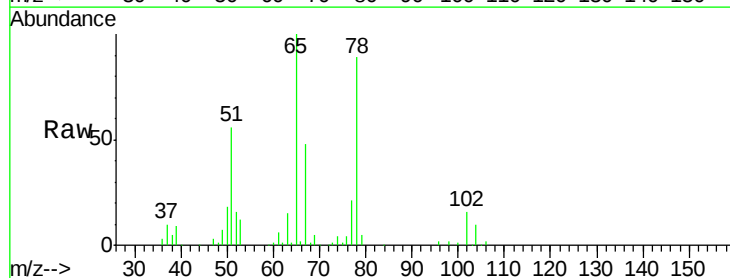


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

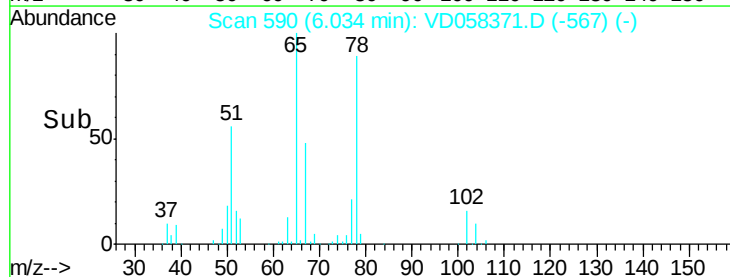
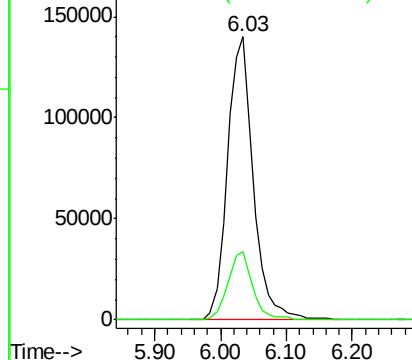


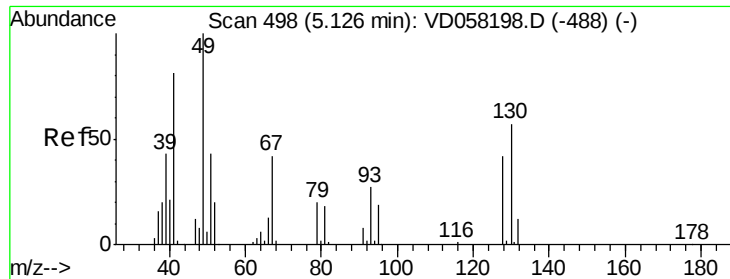
#40
Benzene
Concen: 16.085 ug/l
RT: 6.03 min Scan# 590
Delta R.T. 0.02 min
Lab File: VD058371.D
Acq: 24 Jun 2018 14:57

Tgt Ion: 78 Resp: 384522
Ion Ratio Lower Upper
78 100
77 23.9 18.5 27.7



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

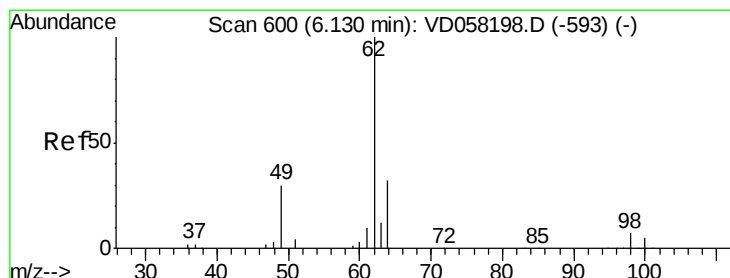
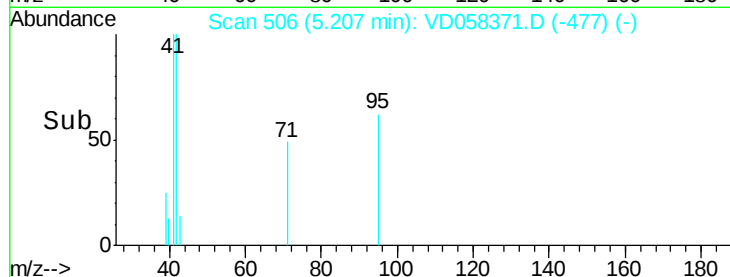
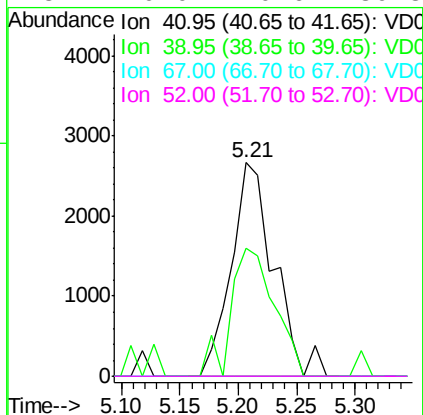
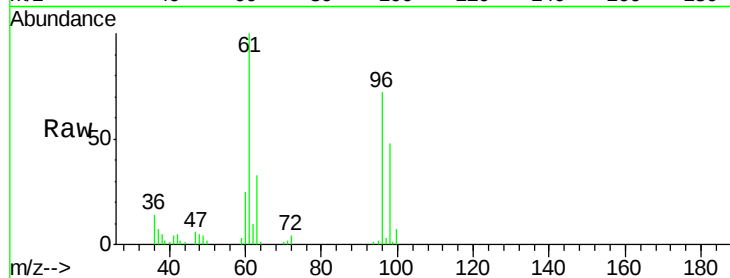




#41
Methacrylonitrile
Concen: 2.448 ug/l
RT: 5.21 min Scan# 506
Delta R.T. 0.08 min
Lab File: VD058371.D
Acq: 24 Jun 2018 14:57

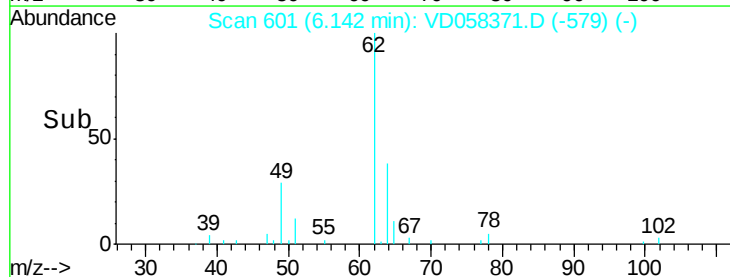
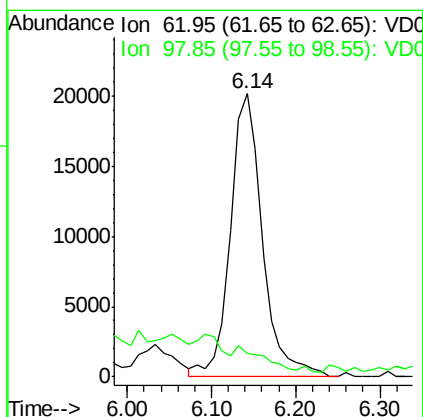
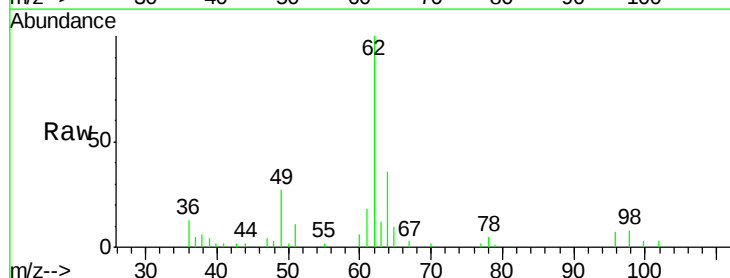
Instrument :
MSVOA_D
ClientSampled :

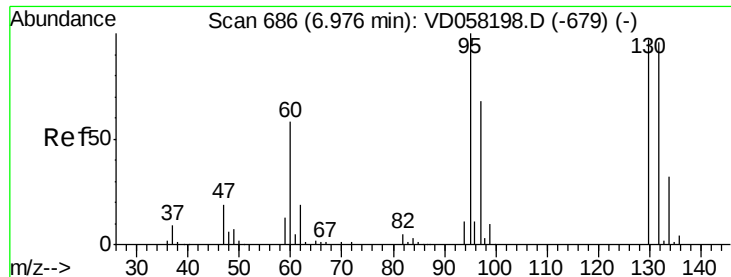
Tot Ion: 41 Resp: 6758
Ion Ratio Lower Upper
41 100
39 60.1 43.4 65.2
67 0.0 41.7 62.5#
52 0.0 20.6 30.8#



#42
1,2-Dichloroethane
Concen: 5.541 ug/l
RT: 6.14 min Scan# 601
Delta R.T. 0.01 min
Lab File: VD058371.D
Acq: 24 Jun 2018 14:57

Tgt Ion: 62 Resp: 53410
Ion Ratio Lower Upper
62 100
98 8.2 0.0 13.2





#44

Trichloroethene

Concen: 21.739 ug/l

RT: 6.99 min Scan# 687

Delta R.T. 0.01 min

Lab File: VD058371.D

Acq: 24 Jun 2018 14:57

Instrument :

MSVOA_D

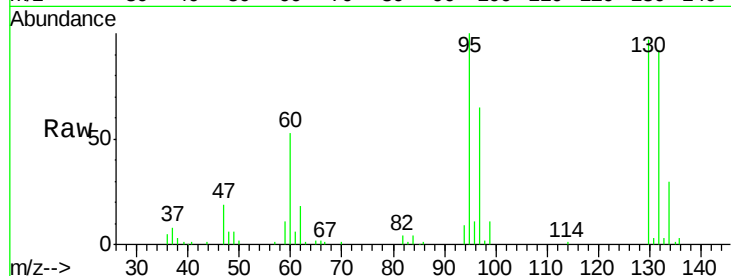
ClientSampleId :

Tot Ion:130 Resp: 156055

Ion Ratio Lower Upper

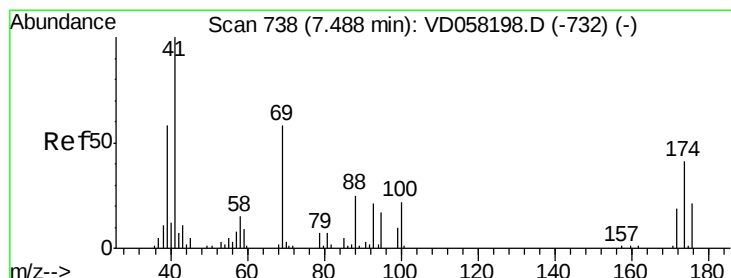
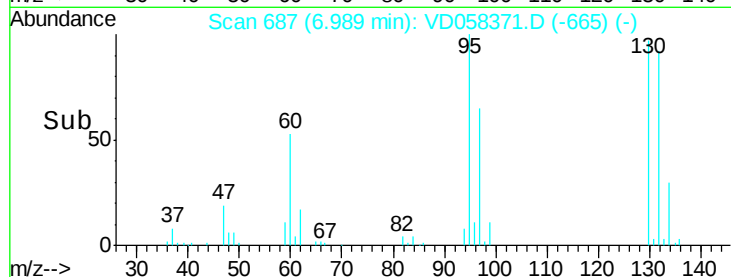
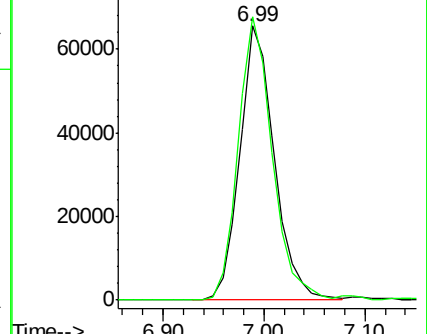
130 100

95 103.2 0.0 205.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC



#49

1,4-Dioxane

Concen: 5.021 ug/l

RT: 7.17 min Scan# 705

Delta R.T. -0.32 min

Lab File: VD058371.D

Acq: 24 Jun 2018 14:57

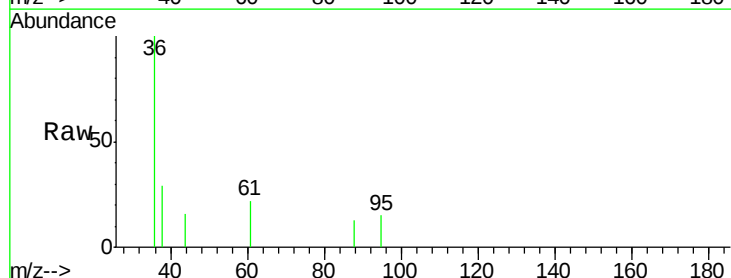
Tgt Ion: 88 Resp: 210

Ion Ratio Lower Upper

88 100

43 0.0 34.2 51.2#

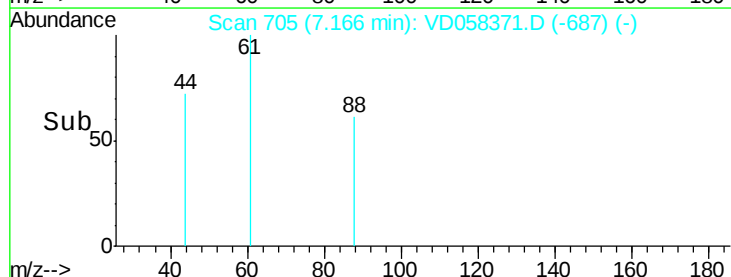
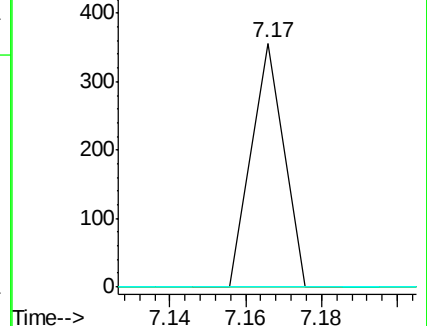
58 0.0 47.9 71.9#

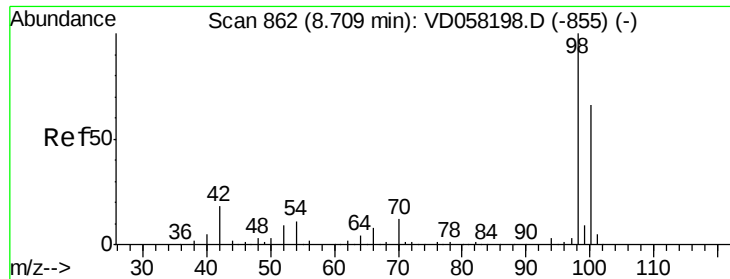


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC

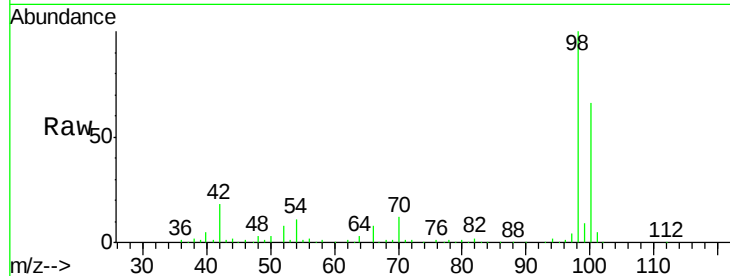




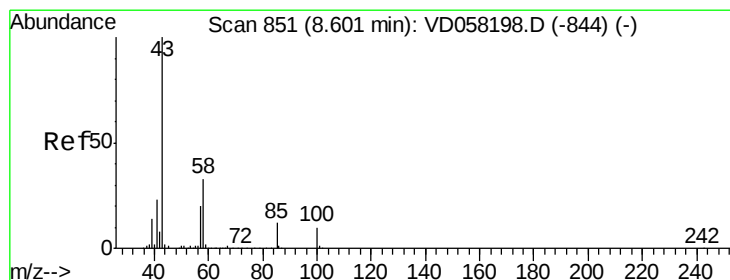
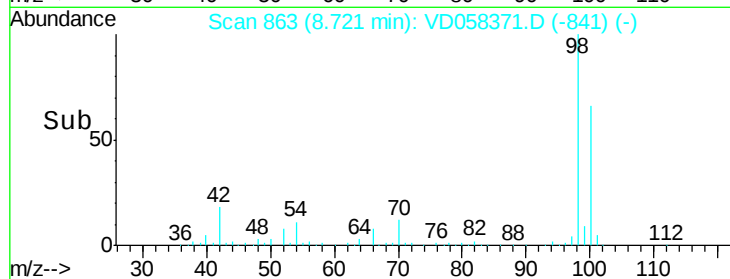
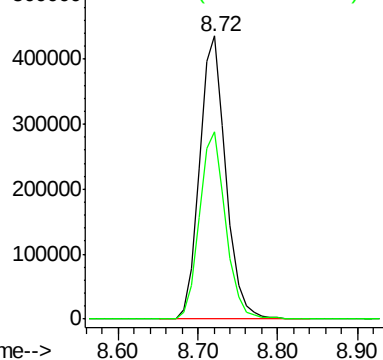
#50
Toluene-d8
Concen: 5.021 ug/l
RT: 8.72 min Scan# 863
Delta R.T. 0.01 min
Lab File: VD058371.D
Acq: 24 Jun 2018 14:57

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 1003191
Ion Ratio Lower Upper
98 100
100 66.3 53.6 80.4

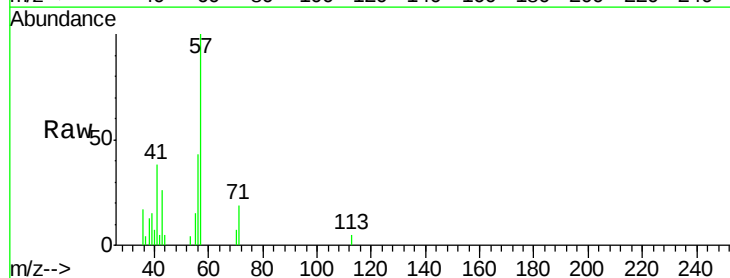


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

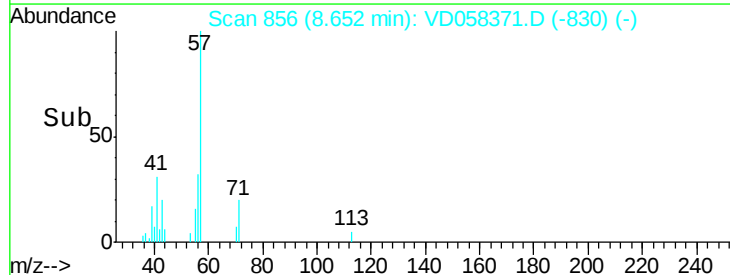
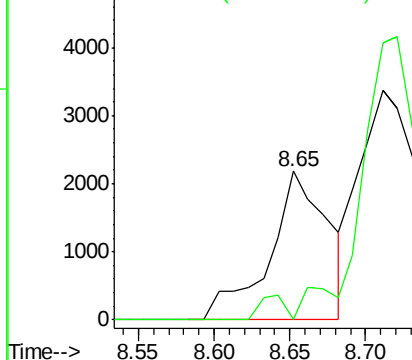


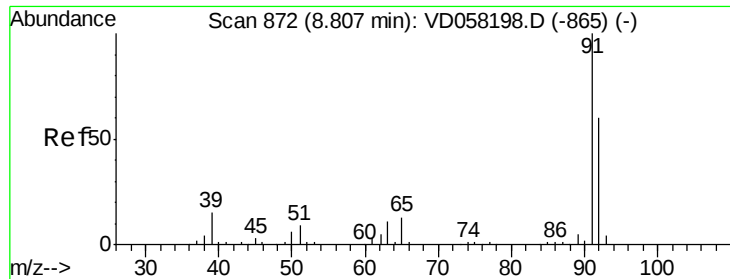
#51
4-Methyl-2-Pentanone
Concen: 1.177 ug/l
RT: 8.65 min Scan# 856
Delta R.T. 0.05 min
Lab File: VD058371.D
Acq: 24 Jun 2018 14:57

Tgt Ion: 43 Resp: 5853
Ion Ratio Lower Upper
43 100
58 0.0 26.7 40.1#



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





#52

Toluene

Concen: 8.852 ug/l

RT: 8.81 min Scan# 872

Delta R.T. 0.00 min

Lab File: VD058371.D

Acq: 24 Jun 2018 14:57

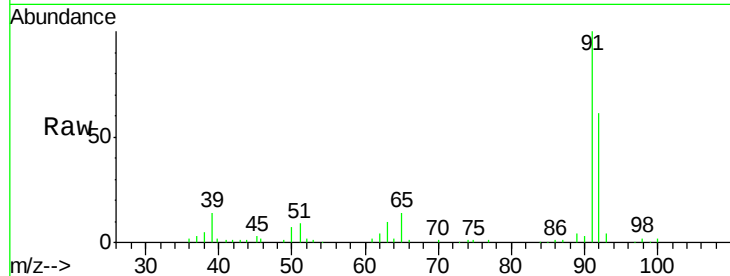
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 92 Resp: 120491

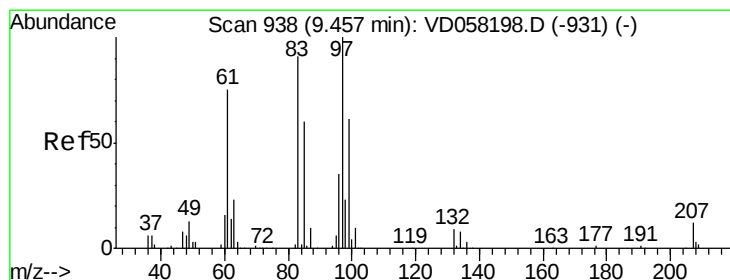
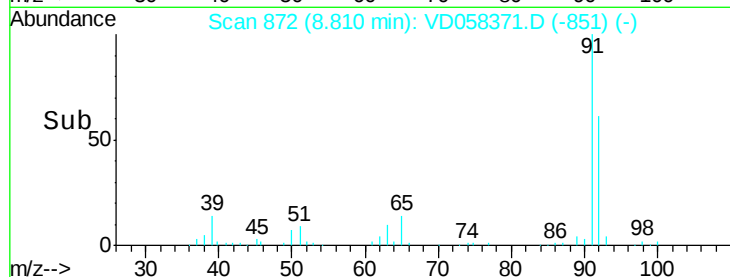
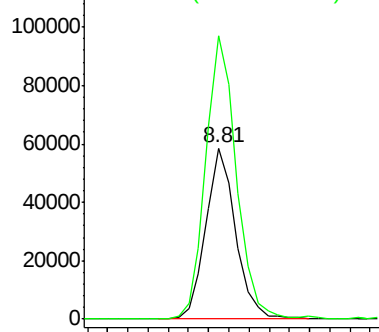
Ion Ratio Lower Upper

92 100

91 165.2 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC



#55

1,1,2-Trichloroethane

Concen: 20.077 ug/l

RT: 9.47 min Scan# 939

Delta R.T. 0.01 min

Lab File: VD058371.D

Acq: 24 Jun 2018 14:57

Tgt Ion: 97 Resp: 96693

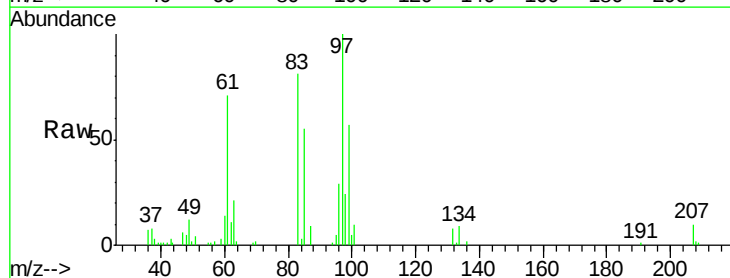
Ion Ratio Lower Upper

97 100

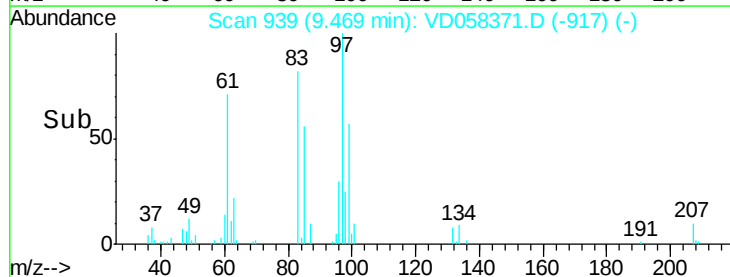
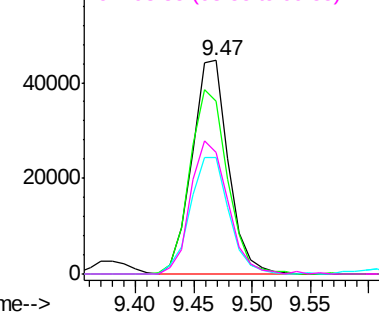
83 80.9 72.9 109.3

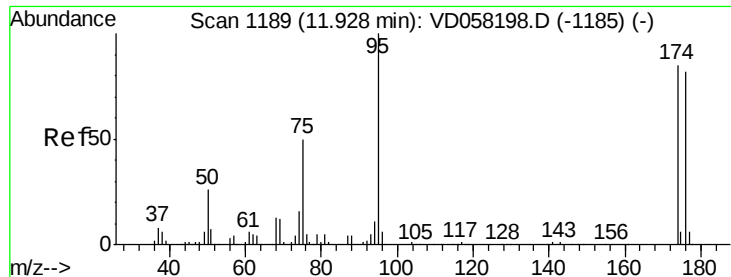
85 54.7 48.2 72.4

99 56.7 48.9 73.3



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





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD058371.D

Acq: 24 Jun 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

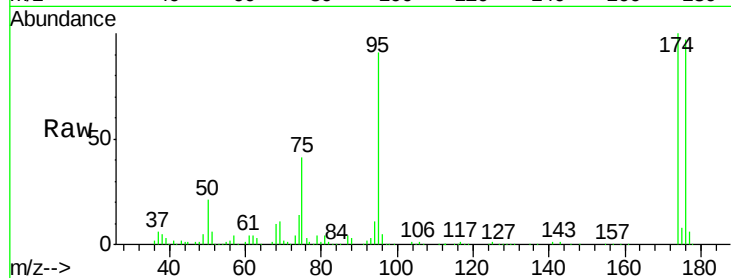
Tot Ion: 95 Resp: 439417

Ion Ratio Lower Upper

95 100

174 109.4 0.0 170.2

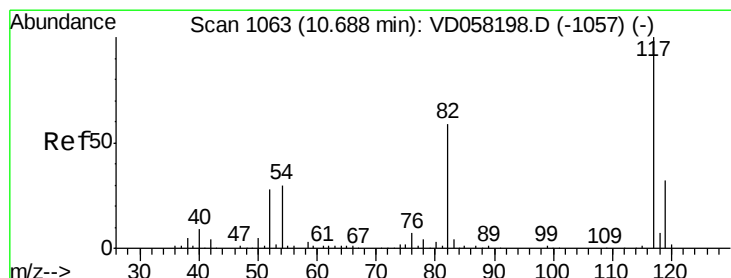
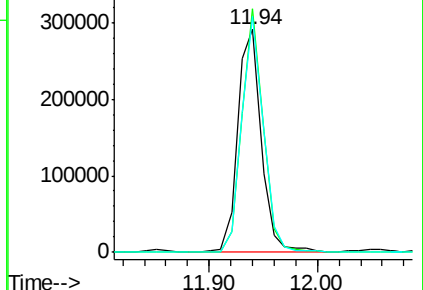
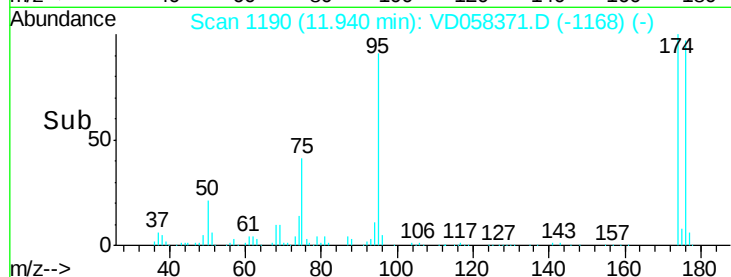
176 106.0 0.0 164.6



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: 10.70 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VD058371.D

Acq: 24 Jun 2018 14:57

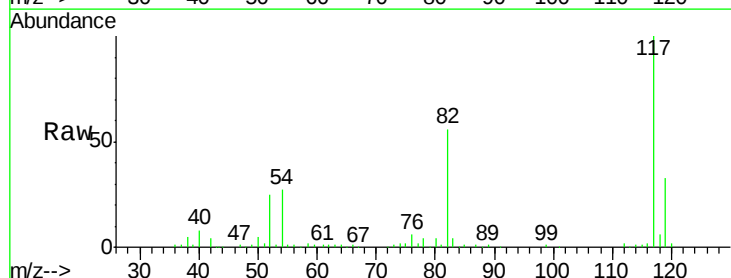
Tgt Ion: 117 Resp: 843145

Ion Ratio Lower Upper

117 100

82 55.5 47.0 70.6

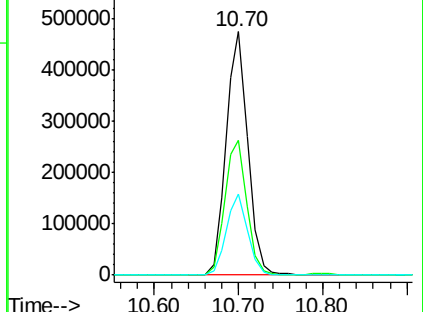
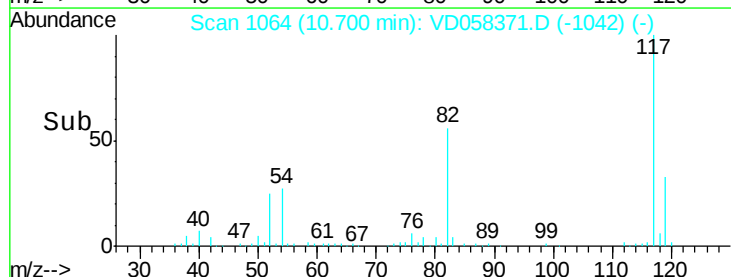
119 33.4 25.3 37.9

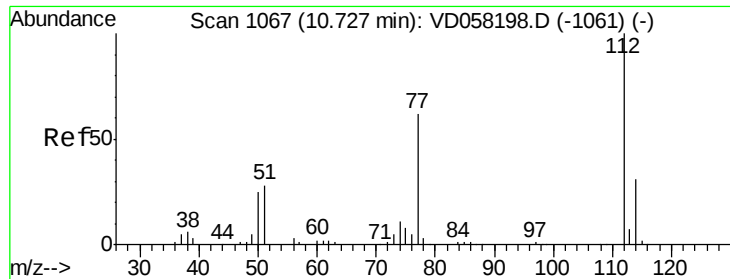


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

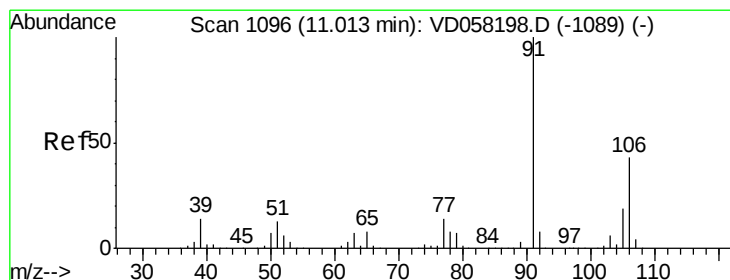
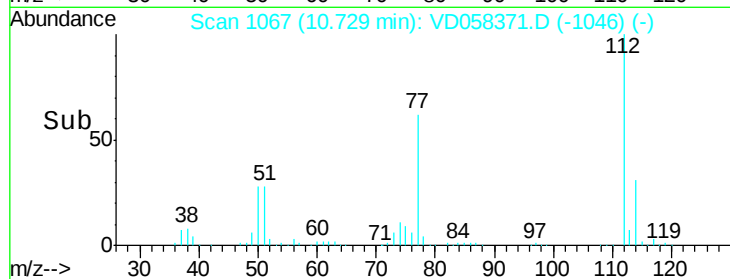
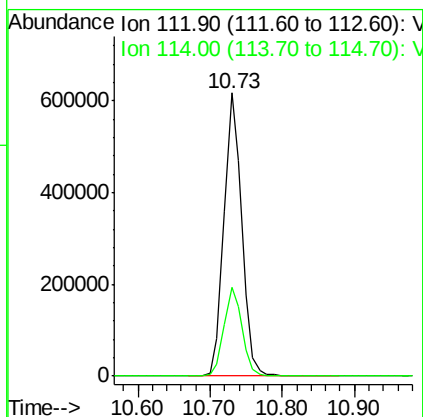
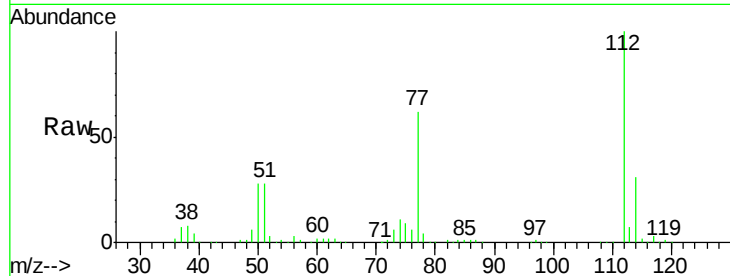




#65
Chlorobenzene
Concen: 66.883 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VD058371.D
Acq: 24 Jun 2018 14:57

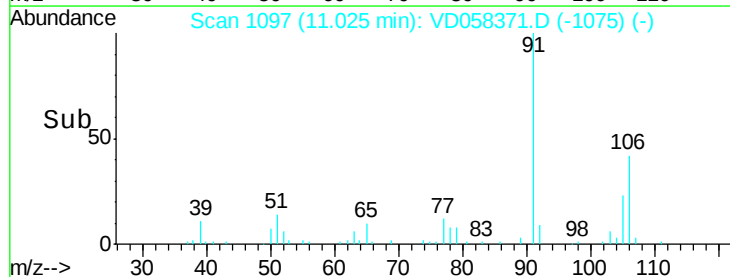
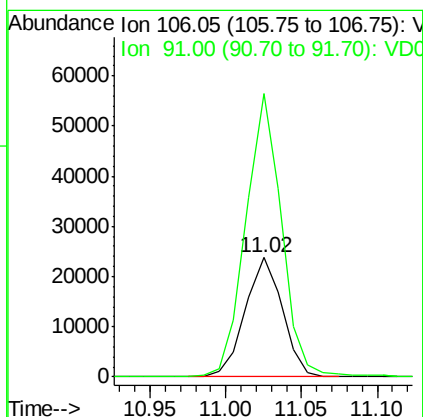
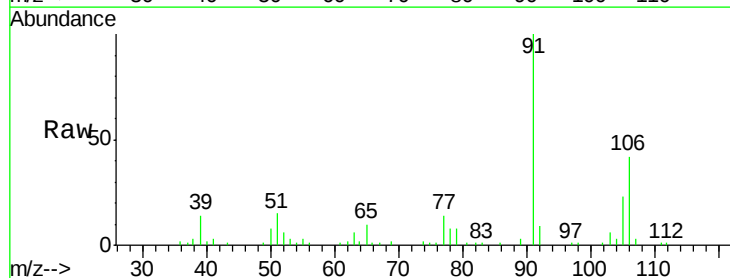
Instrument :
MSVOA_D
ClientSampleId :

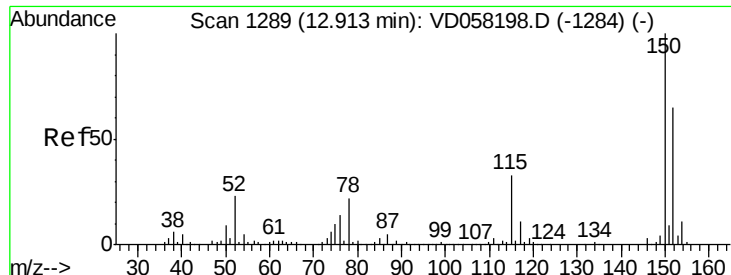
Tot Ion:112 Resp: 1054848
Ion Ratio Lower Upper
112 100
114 31.3 25.0 37.4



#68
m/p-Xylenes
Concen: 4.391 ug/l
RT: 11.02 min Scan# 1097
Delta R.T. 0.01 min
Lab File: VD058371.D
Acq: 24 Jun 2018 14:57

Tgt Ion:106 Resp: 40772
Ion Ratio Lower Upper
106 100
91 237.1 185.0 277.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.91 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VD058371.D

Acq: 24 Jun 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

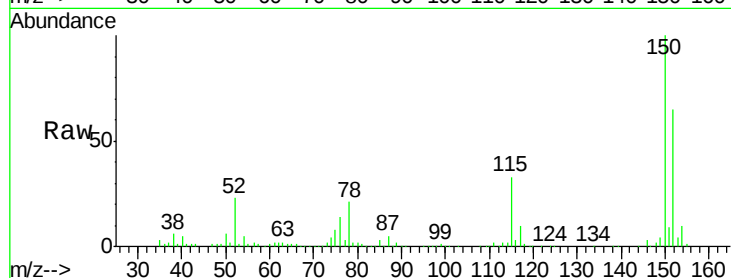
Tot Ion:152 Resp: 444175

Ion Ratio Lower Upper

152 100

115 51.1 25.1 75.3

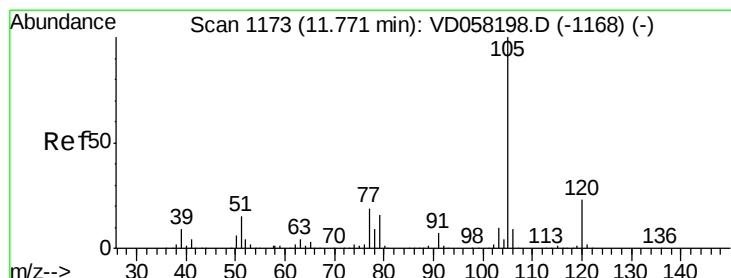
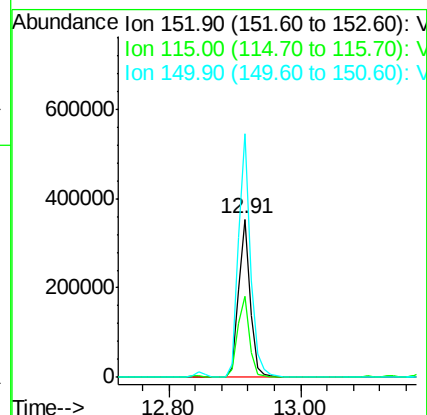
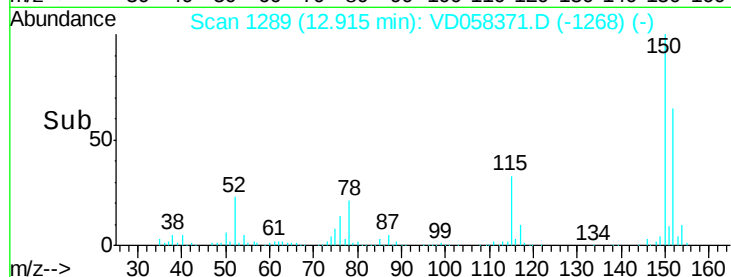
150 153.8 0.0 308.8



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: 1.685 ug/l

RT: 11.78 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VD058371.D

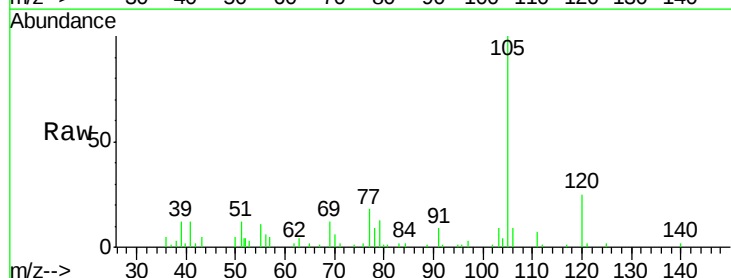
Acq: 24 Jun 2018 14:57

Tgt Ion:105 Resp: 44780

Ion Ratio Lower Upper

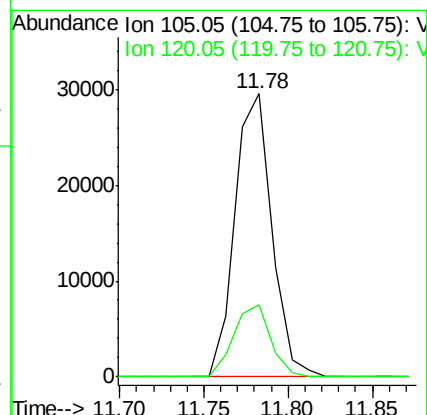
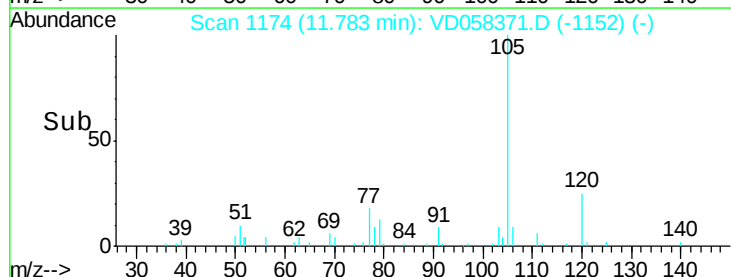
105 100

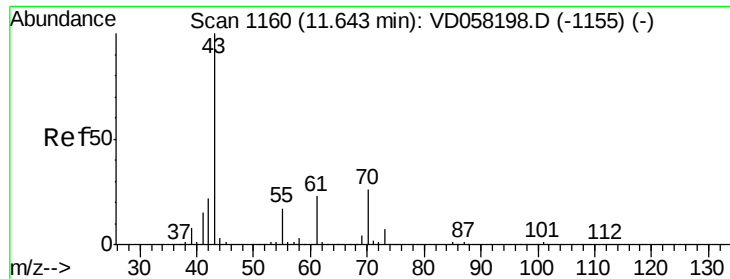
120 25.3 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#74

N-amvl acetate

Concen: 1.590 ug/l

RT: 11.60 min Scan# 1155

Delta R.T. -0.05 min

Lab File: VD058371.D

Acq: 24 Jun 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 43 Resp: 16334

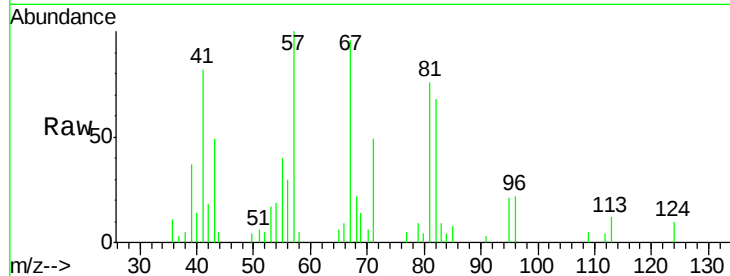
Ion Ratio Lower Upper

43 100

70 12.4 20.9 31.3#

55 81.7 13.5 20.3#

61 0.0 18.2 27.2#

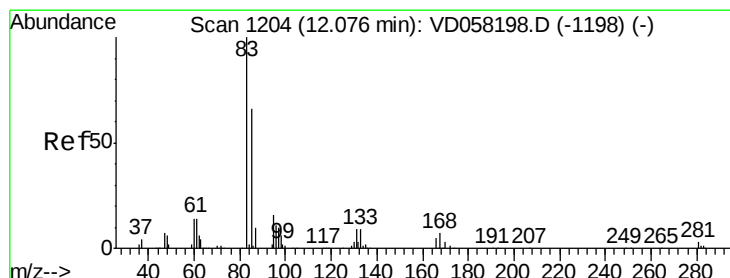
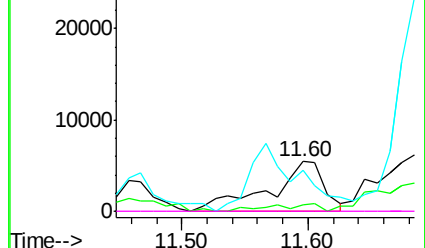
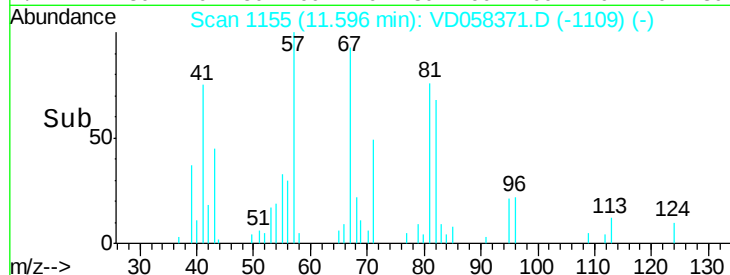


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



#75

1,1,2,2-Tetrachloroethane

Concen: 1.422 ug/l

RT: 12.10 min Scan# 1206

Delta R.T. 0.02 min

Lab File: VD058371.D

Acq: 24 Jun 2018 14:57

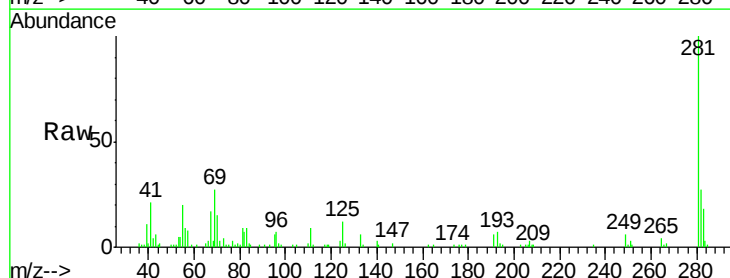
Tgt Ion: 83 Resp: 8791

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.3#

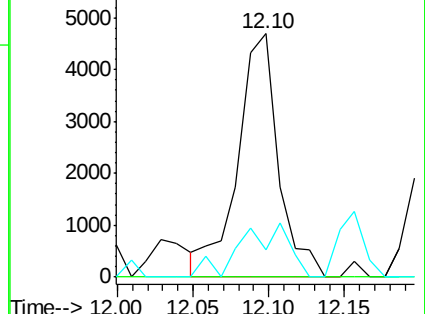
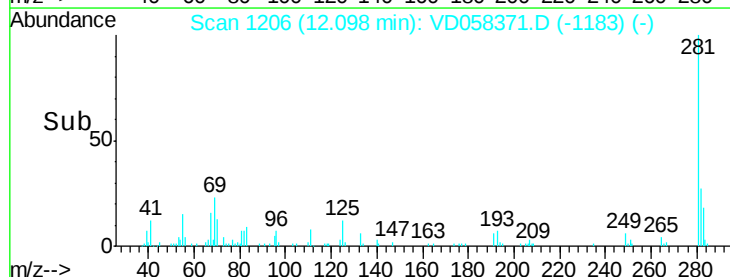
85 11.1 33.1 99.5#

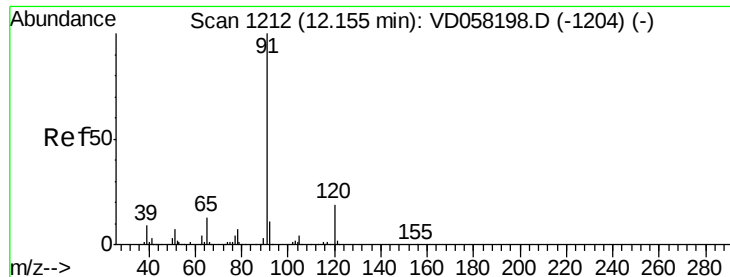


Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC





#78

n-propylbenzene

Concen: 1.809 ug/l

RT: 12.16 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VD058371.D

Acq: 24 Jun 2018 14:57

Instrument :

MSVOA_D

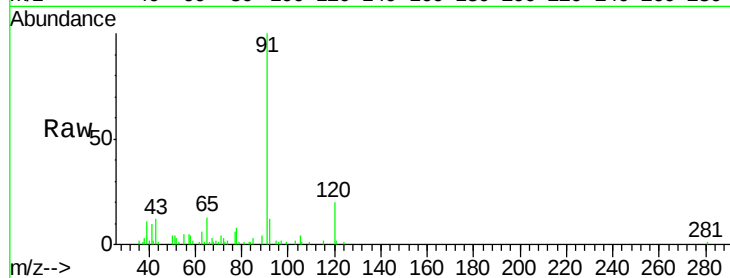
ClientSampled :

Tot Ion: 91 Resp: 62079

Ion Ratio Lower Upper

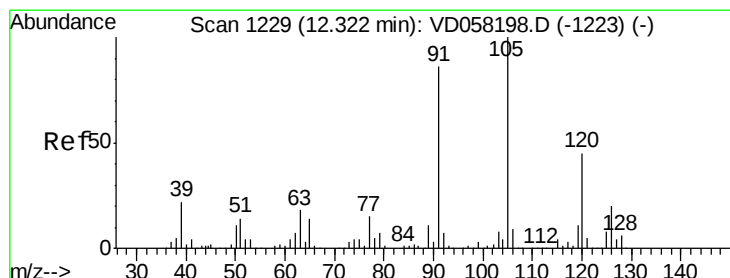
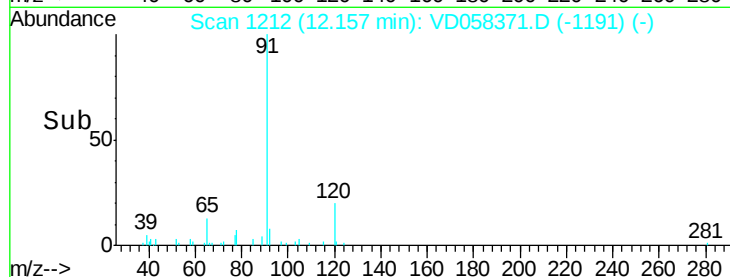
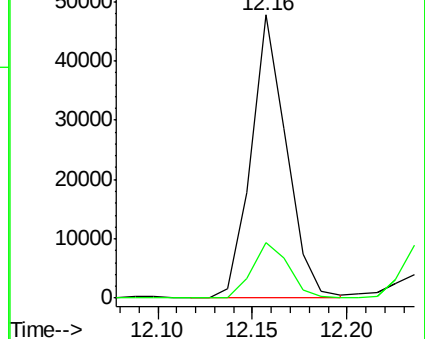
91 100

120 19.7 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V



#80

1,3,5-Trimethylbenzene

Concen: 6.850 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VD058371.D

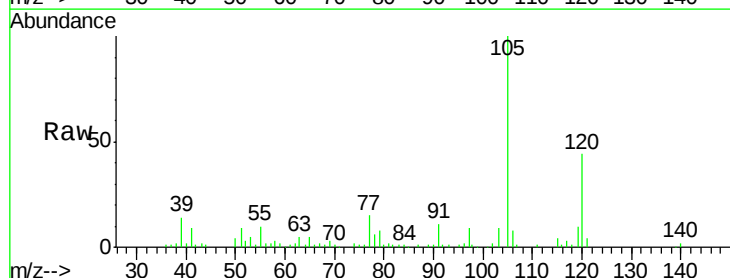
Acq: 24 Jun 2018 14:57

Tgt Ion: 105 Resp: 141955

Ion Ratio Lower Upper

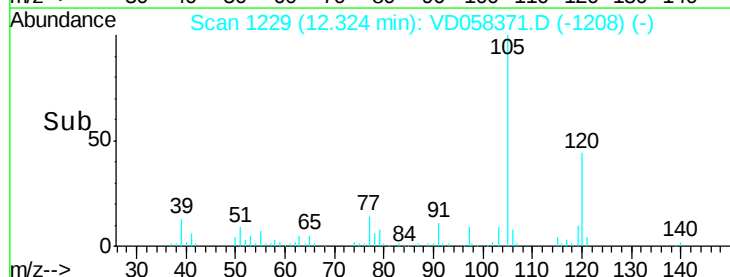
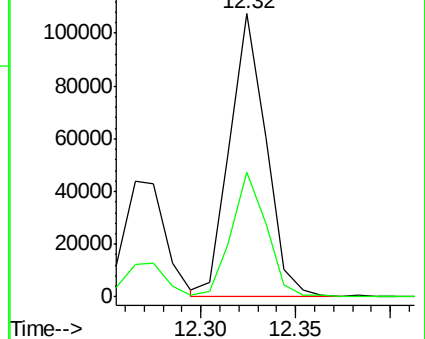
105 100

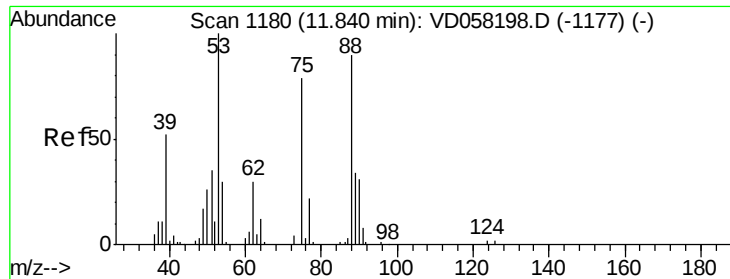
120 44.1 22.5 67.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

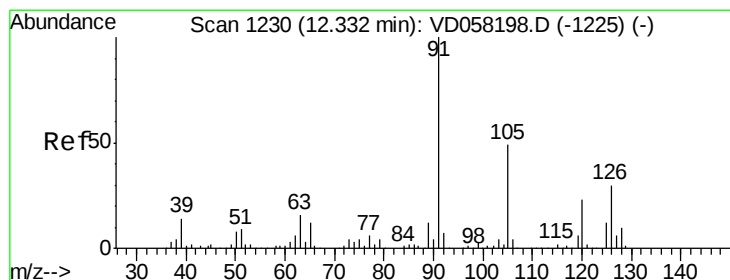
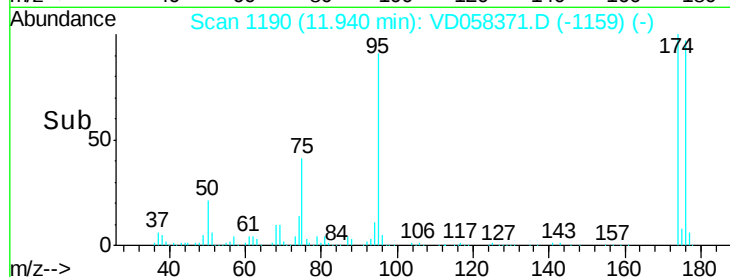
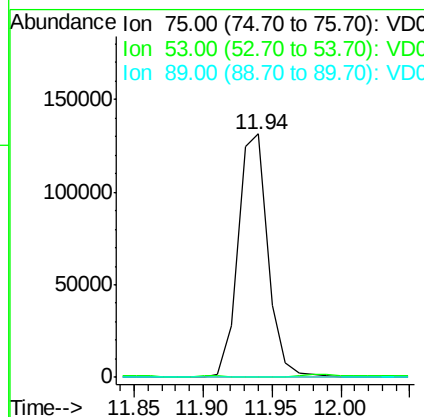
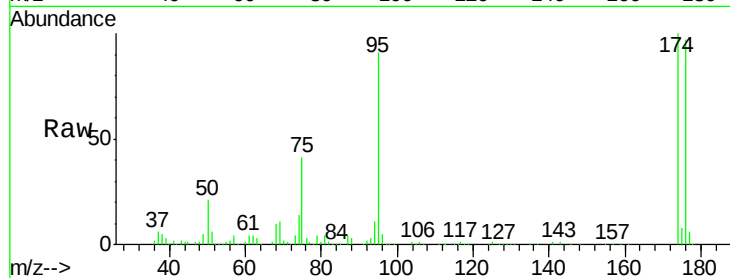




#81
 trans-1,4-Dichloro-2-butene
 Concen: 126.263 ug/l
 RT: 11.94 min Scan# 1190
 Delta R.T. 0.10 min
 Lab File: VD058371.D
 Acq: 24 Jun 2018 14:57

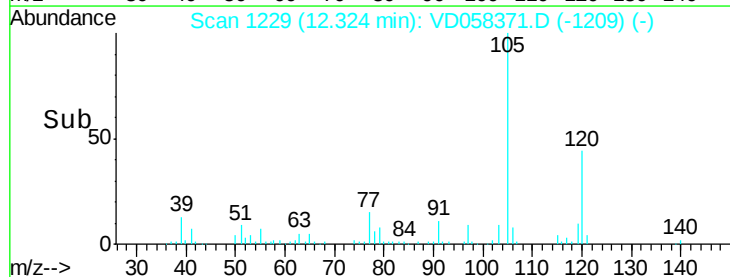
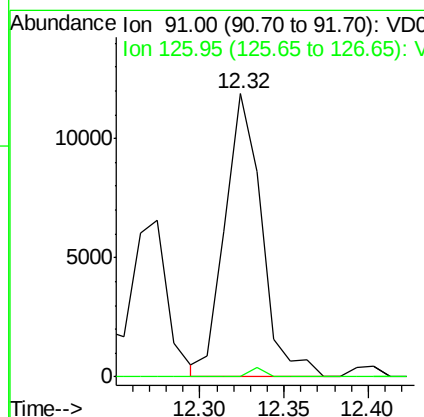
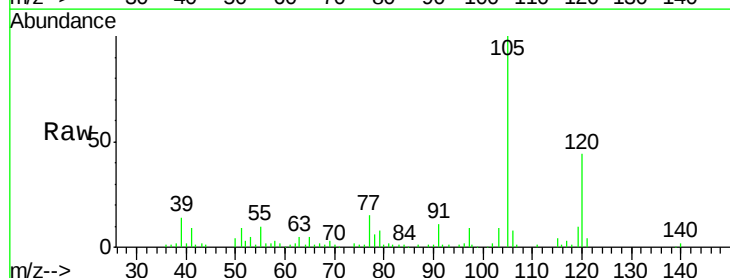
Instrument :
 MSVOA_D
 ClientSampleId :

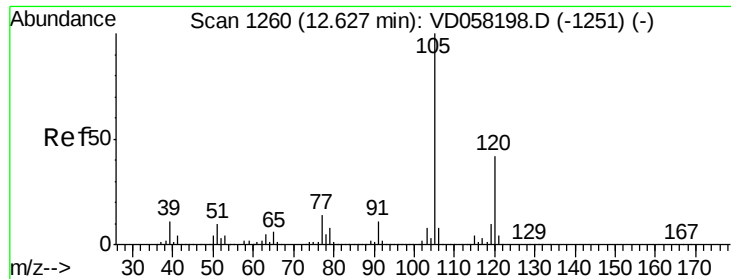
Tot Ion: 75 Resp: 199706
 Ion Ratio Lower Upper
 75 100
 53 0.4 100.8 151.2#
 89 0.0 34.6 52.0#



#82
 4-Chlorotoluene
 Concen: Below Cal
 RT: 12.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VD058371.D
 Acq: 24 Jun 2018 14:57

Tgt Ion: 91 Resp: 17951
 Ion Ratio Lower Upper
 91 100
 126 0.0 14.9 44.9#

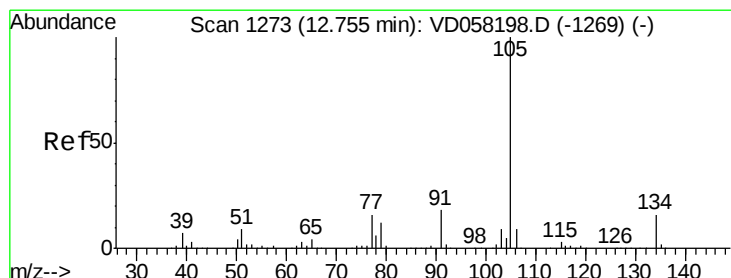
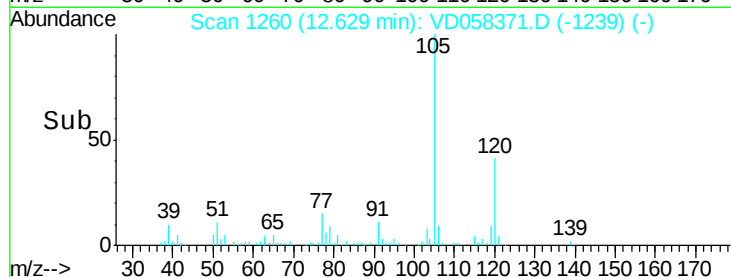
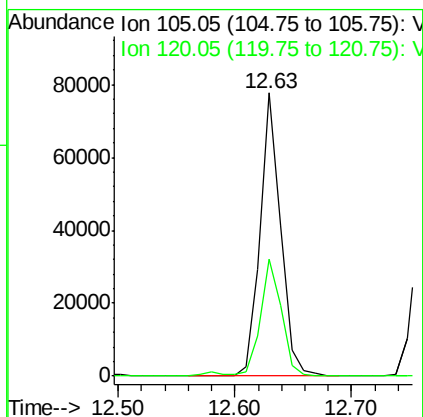
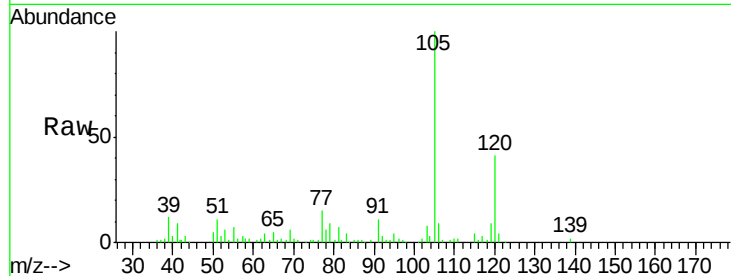




#84
 1,2,4-Trimethylbenzene
 Concen: 4.219 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VD058371.D
 Acq: 24 Jun 2018 14:57

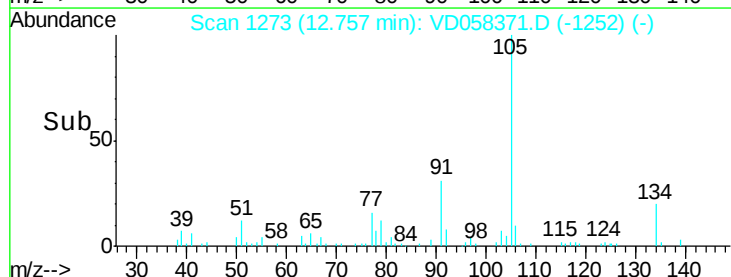
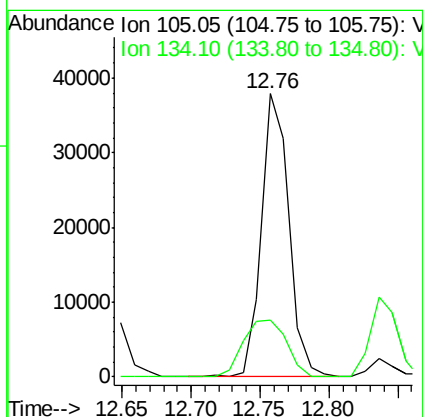
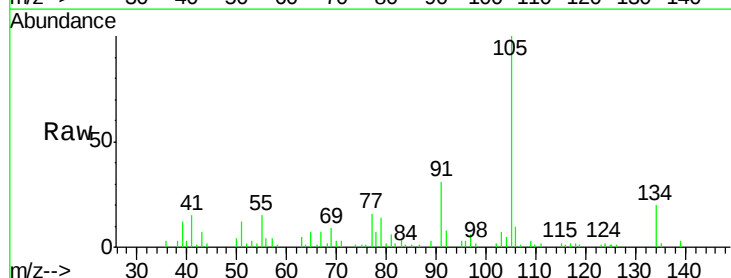
Instrument :
 MSVOA_D
 ClientSampleId :

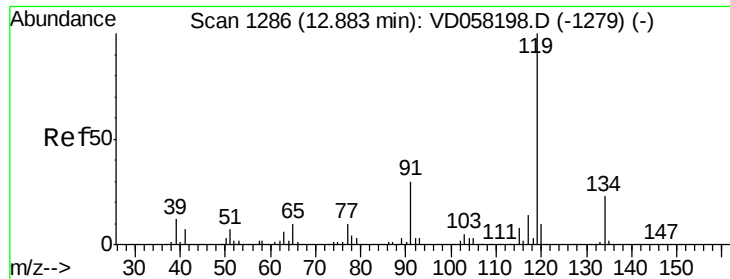
Tot Ion:105 Resp: 95034
 Ion Ratio Lower Upper
 105 100
 120 41.2 20.8 62.4



#85
 sec-Butylbenzene
 Concen: 1.892 ug/l
 RT: 12.76 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VD058371.D
 Acq: 24 Jun 2018 14:57

Tgt Ion:105 Resp: 52824
 Ion Ratio Lower Upper
 105 100
 134 20.2 8.1 24.3

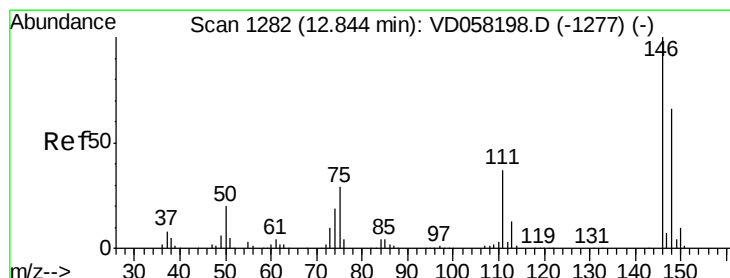
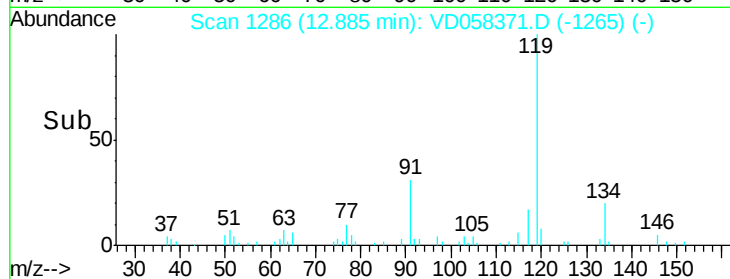
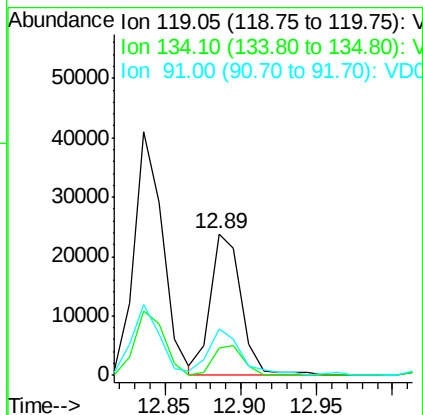
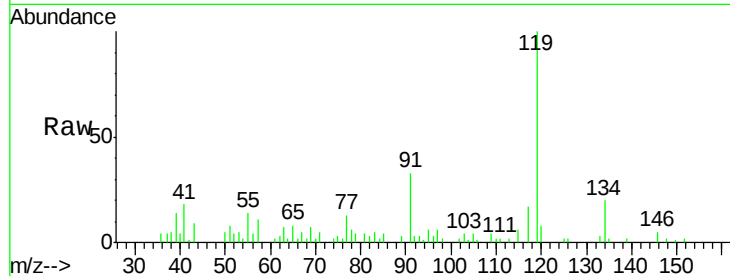




#86
 p-Isopropyltoluene
 Concen: 1.507 ug/l
 RT: 12.89 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VD058371.D
 Acq: 24 Jun 2018 14:57

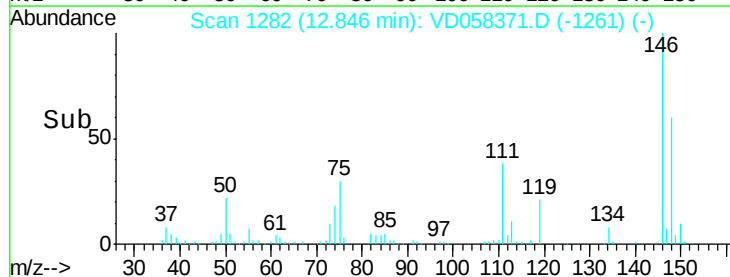
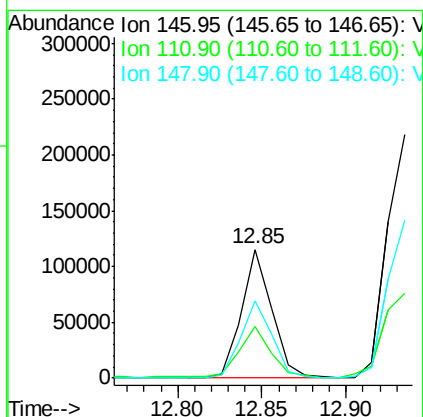
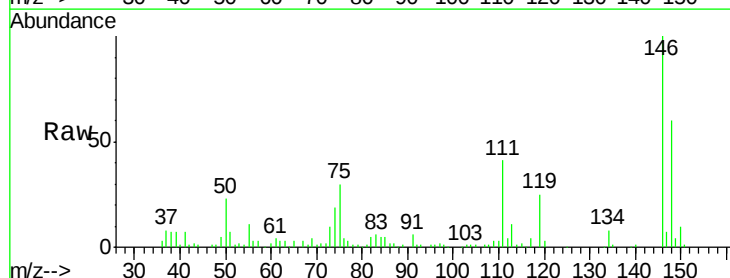
Instrument :
 MSVOA_D
 ClientSampled :

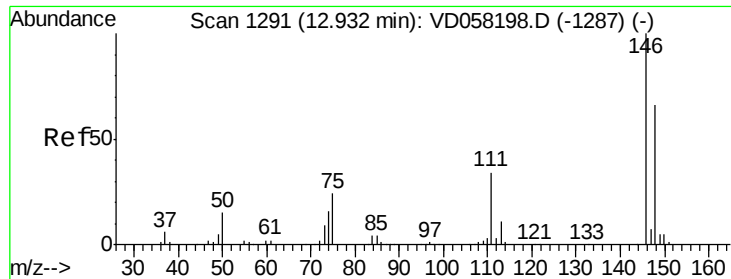
Tot Ion:119 Resp: 34108
 Ion Ratio Lower Upper
 119 100
 134 19.8 11.6 34.8
 91 32.8 15.0 45.1



#87
 1,3-Dichlorobenzene
 Concen: 10.438 ug/l
 RT: 12.85 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD058371.D
 Acq: 24 Jun 2018 14:57

Tgt Ion:146 Resp: 144341
 Ion Ratio Lower Upper
 146 100
 111 40.5 18.4 55.0
 148 60.2 32.8 98.4





#88

1,4-Dichlorobenzene

Concen: 20.280 ug/l

RT: 12.93 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VD058371.D

Acq: 24 Jun 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

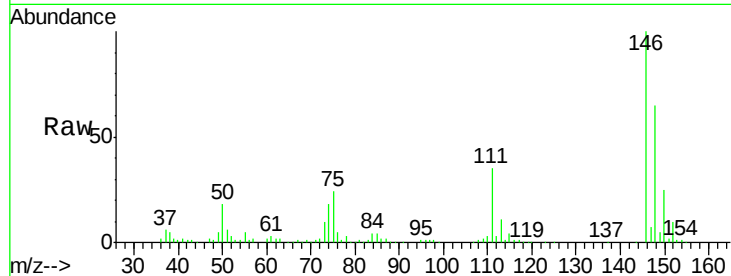
Tot Ion:146 Resp: 273848

Ion Ratio Lower Upper

146 100

111 34.9 17.2 51.5

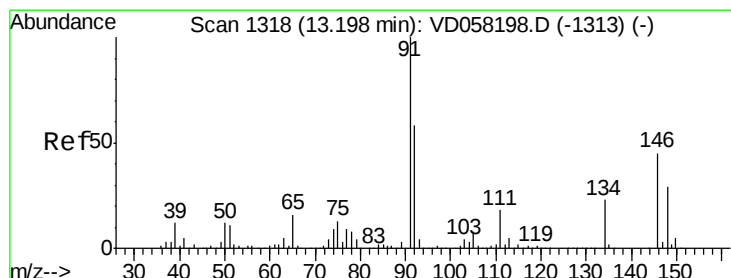
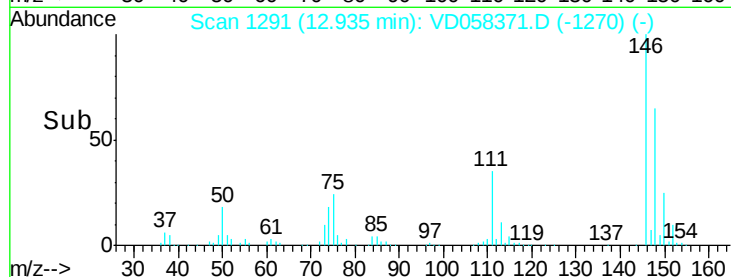
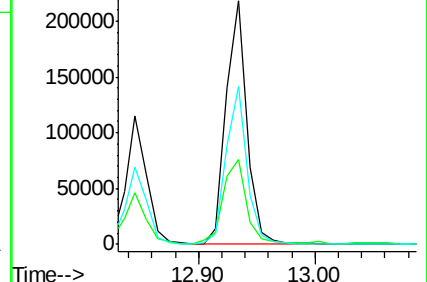
148 64.8 33.1 99.3



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



#89

n-Butylbenzene

Concen: 3.707 ug/l

RT: 13.20 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VD058371.D

Acq: 24 Jun 2018 14:57

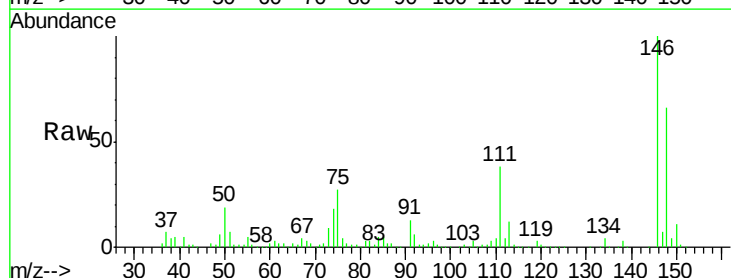
Tgt Ion: 91 Resp: 88177

Ion Ratio Lower Upper

91 100

92 50.7 29.2 87.6

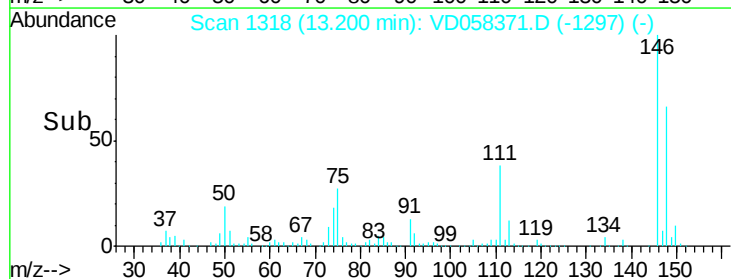
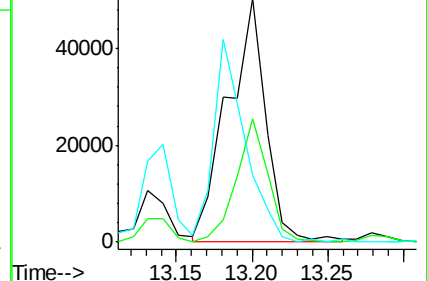
134 27.6 11.3 33.8

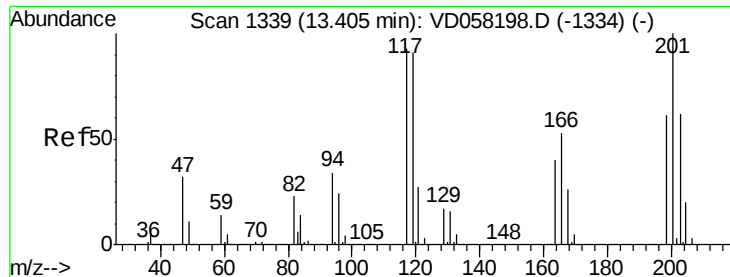


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V





#90

Hexachloroethane

Concen: 2.074 ug/l

RT: 13.41 min Scan# 1339

Delta R.T. 0.00 min

Lab File: VD058371.D

Acq: 24 Jun 2018 14:57

Instrument :

MSVOA_D

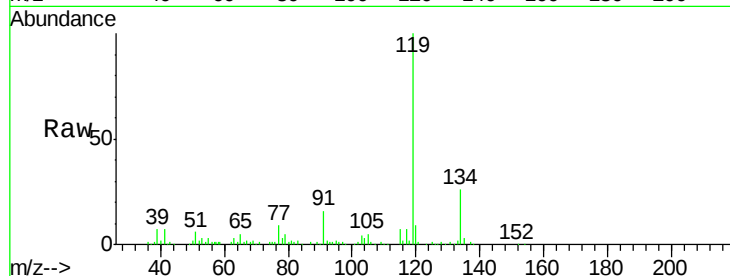
ClientSampleId :

Tot Ion:117 Resp: 12182

Ion Ratio Lower Upper

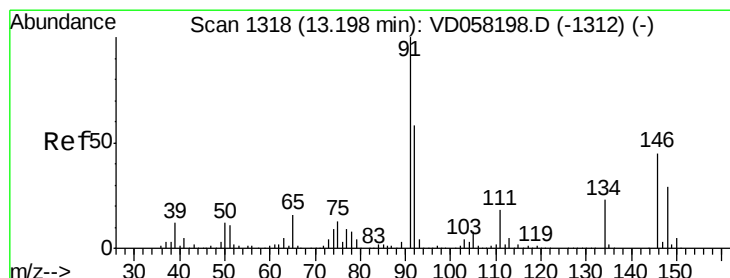
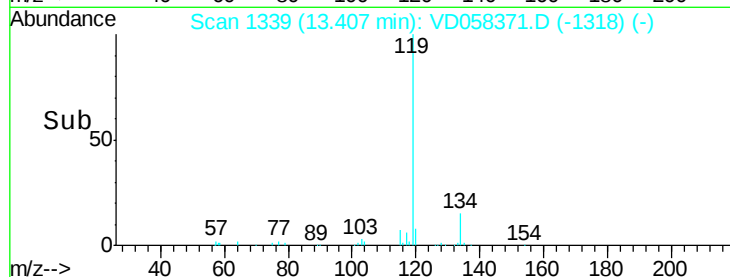
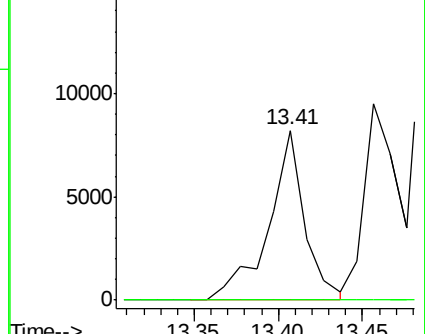
117 100

201 0.0 53.8 161.4#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V



#91

1,2-Dichlorobenzene

Concen: 43.129 ug/l

RT: 13.20 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VD058371.D

Acq: 24 Jun 2018 14:57

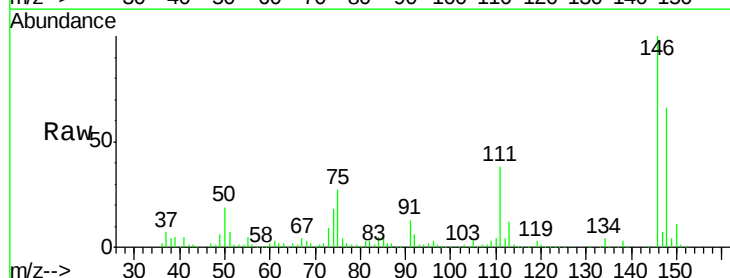
Tgt Ion:146 Resp: 507521

Ion Ratio Lower Upper

146 100

111 38.5 19.6 58.7

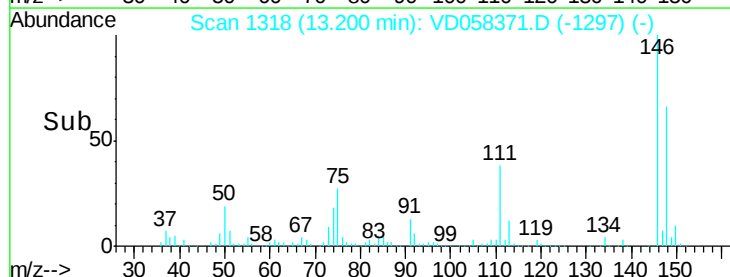
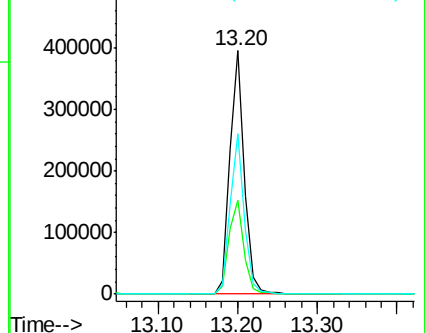
148 65.6 32.0 96.2

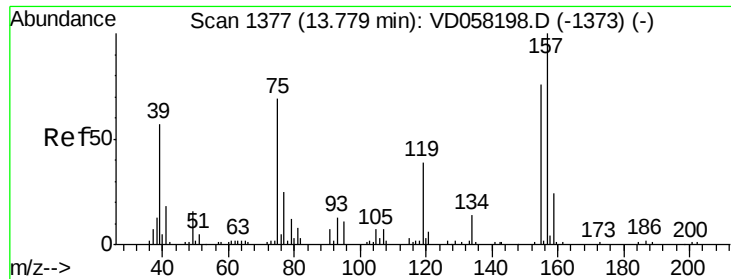


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.275 ug/l

RT: 13.78 min Scan# 1377

Delta R.T. 0.00 min

Lab File: VD058371.D

Acq: 24 Jun 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

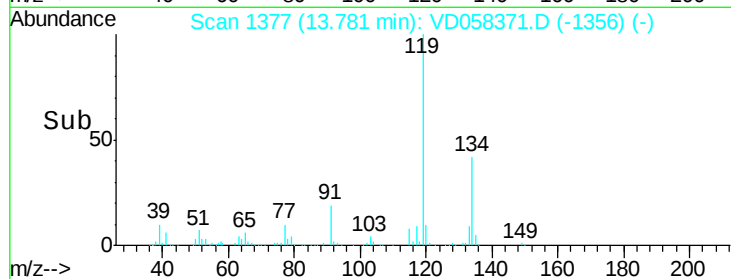
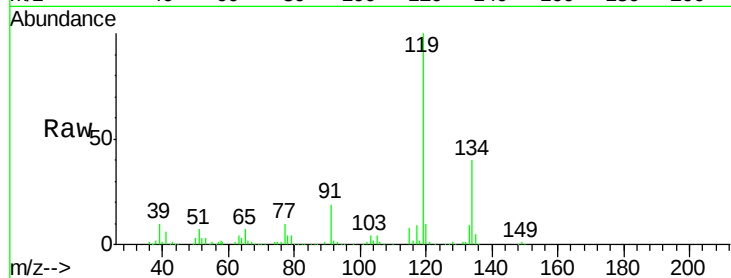
Tot Ion: 75 Resp: 2239

Ion Ratio Lower Upper

75 100

155 0.0 54.5 163.5#

157 0.0 72.0 215.9#



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

