

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062418\
 Data File : VD058375.D
 Acq On : 24 Jun 2018 16:50
 Operator : VA/AP
 Sample : J3671-17
 Misc : 6.54g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 25 04:03:37 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	5.65	168	696140	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.71	114	926521	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.70	117	673199	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.92	152	341085	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	432756	61.55	ug/l	0.02
Spiked Amount	50.000		Recovery	=	123.10%	
35) Dibromofluoromethane	5.56	113	455152	60.36	ug/l	0.02
Spiked Amount	50.000		Recovery	=	120.72%	
50) Toluene-d8	8.71	98	1065495	58.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.80%	
62) 4-Bromofluorobenzene	11.93	95	420409	56.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.82%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.36	85	1147	Below Cal	# 43
3) Chloromethane	1.48	50	614	Below Cal	# 43
4) Vinyl Chloride	1.56	62	220755	60.535	ug/l 96
6) Chloroethane	1.89	64	51772	37.244	ug/l 95
11) Tert butyl alcohol	3.25	59	15055	64.917	ug/l # 78
13) Acrolein	2.37	56	184	1.390	ug/l # 11
16) Acetone	2.62	43	50289	52.296	ug/l 96
18) Methyl Acetate	2.93	43	2258	1.101	ug/l # 65
20) Methylene Chloride	3.07	84	19338	3.247	ug/l # 76
21) trans-1,2-Dichloroethene	3.41	96	9046	3.461	ug/l 87
24) 1,1-Dichloroethane	3.99	63	75129	6.308	ug/l 96
25) 2-Butanone	4.86	43	12566	5.996	ug/l # 54
27) cis-1,2-Dichloroethene	4.82	96	1860827	284.889	ug/l 90
29) Tetrahydrofuran	5.20	42	3246	2.910	ug/l # 78
31) Cyclohexane	5.60	56	13641	Below Cal	# 84
36) 1,1-Dichloropropene	5.65	75	54642	5.962	ug/l # 50
37) Ethyl Acetate	4.86	43	12566	2.406	ug/l # 1
38) Carbon Tetrachloride	5.65	117	57702	6.336	ug/l # 14
39) Methylcyclohexane	7.30	83	72083	8.074	ug/l 97
40) Benzene	6.03	78	451500	20.679	ug/l 99
44) Trichloroethene	6.99	130	43734	6.671	ug/l 88
52) Toluene	8.81	92	62817	5.053	ug/l 98
59) 2-Hexanone	9.74	43	29216	8.903	ug/l # 32
65) Chlorobenzene	10.74	112	9023229	716.555	ug/l 97
67) Ethyl Benzene	10.87	91	223625	10.059	ug/l 99
68) m/p-Xylenes	11.01	106	8765	1.182	ug/l 82
69) o-Xylene	11.41	106	36106	5.099	ug/l 98
73) Isopropylbenzene	11.78	105	192997	9.460	ug/l 96
74) N-amyl acetate	11.68	43	79200	10.040	ug/l # 1
75) 1,1,2,2-Tetrachloroethane	12.09	83	26008	5.478	ug/l # 49
78) n-propylbenzene	12.16	91	425563	16.152	ug/l 99
79) 2-Chlorotoluene	12.16	91	425563	28.227	ug/l # 45
80) 1,3,5-Trimethylbenzene	12.33	105	69571	4.372	ug/l 100
81) trans-1,4-Dichloro-2-buten	11.93	75	198062	163.071	ug/l # 5

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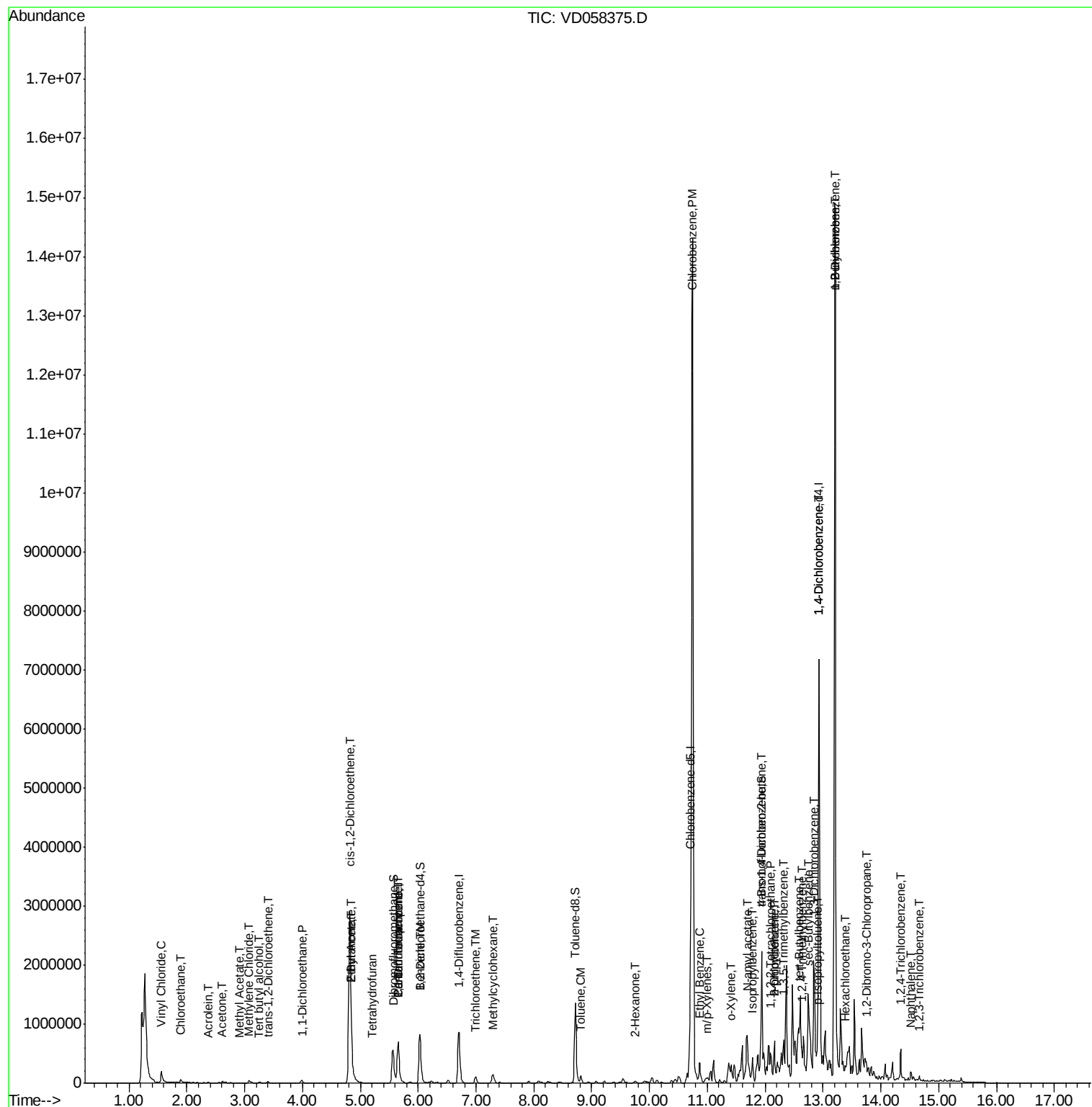
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	12.33	91	10032	Below Cal	#	45
83) tert-Butylbenzene	12.58	119	175935	9.617	ug/l	94
84) 1,2,4-Trimethylbenzene	12.63	105	145205	8.395	ug/l	100
85) sec-Butylbenzene	12.76	105	402787	18.783	ug/l	92
86) p-Isopropyltoluene	12.89	119	43590	2.508	ug/l	97
87) 1,3-Dichlorobenzene	12.85	146	412657	38.862	ug/l	97
88) 1,4-Dichlorobenzene	12.94	146	2420221	233.404	ug/l	97
89) n-Butylbenzene	13.19	91	172851	9.464	ug/l #	84
90) Hexachloroethane	13.38	117	6311	1.399	ug/l #	1
91) 1,2-Dichlorobenzene	13.21	146	6287083	695.754	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.76	75	4377	5.793	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.35	180	143522	16.606	ug/l	100
95) Naphthalene	14.52	128	88563	7.779	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	19893	2.629	ug/l #	91

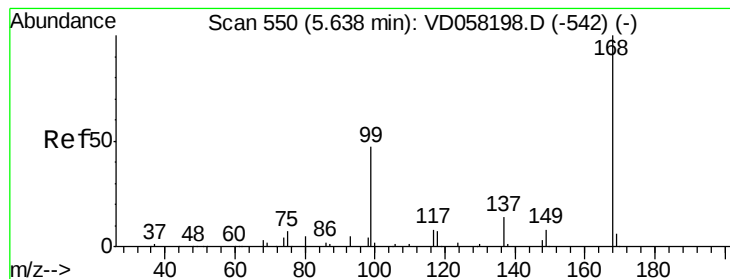
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062418\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.02 min

Lab File: VD058375.D

Acq: 24 Jun 2018 16:50

Instrument :

MSVOA_D

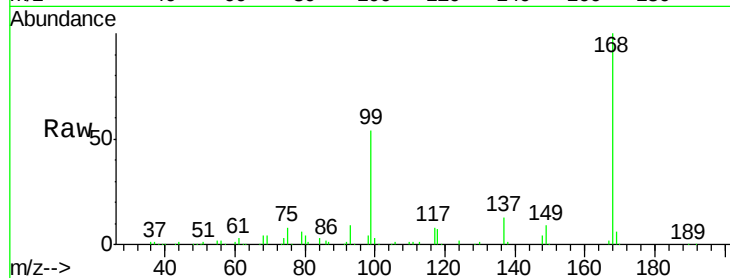
ClientSampleId :

Tot Ion:168 Resp: 696140

Ion Ratio Lower Upper

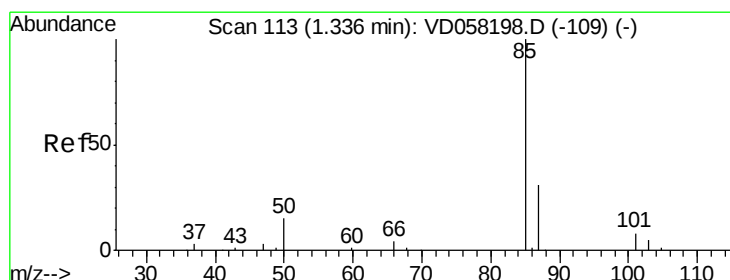
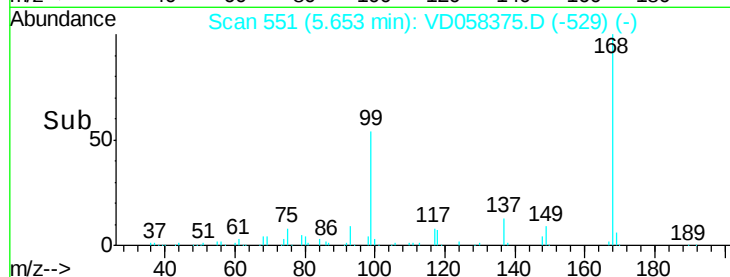
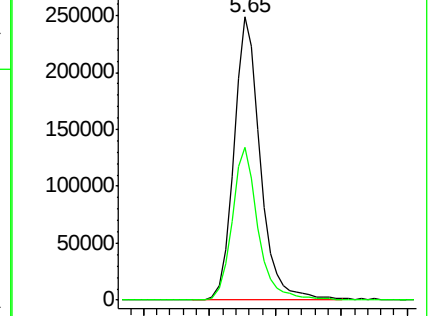
168 100

99 53.9 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.36 min Scan# 115

Delta R.T. 0.03 min

Lab File: VD058375.D

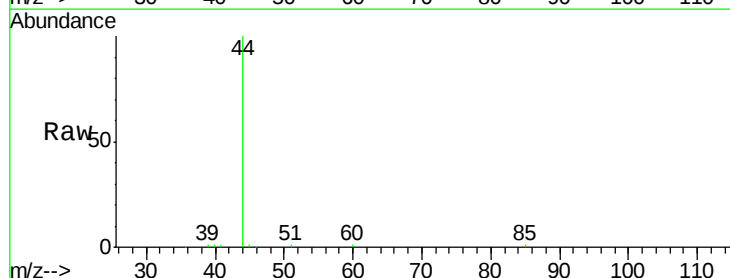
Acq: 24 Jun 2018 16:50

Tgt Ion: 85 Resp: 1147

Ion Ratio Lower Upper

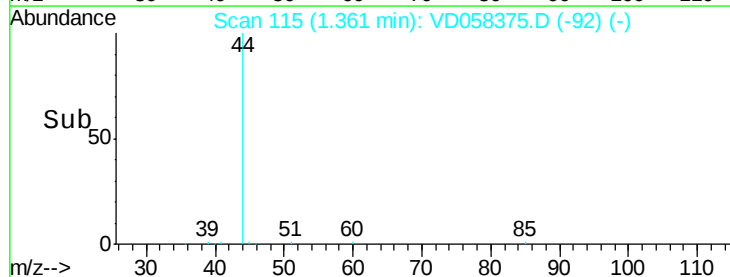
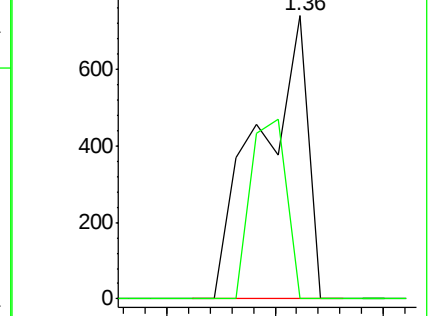
85 100

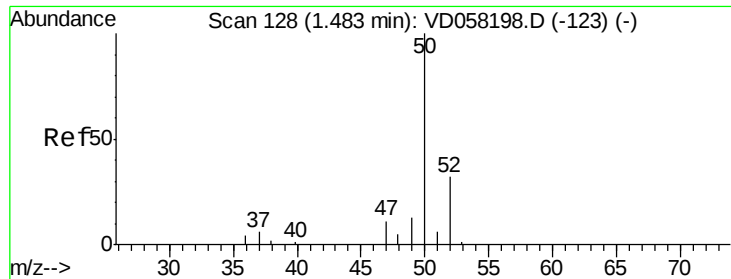
87 0.0 15.7 47.0#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: Below Cal

RT: 1.48 min Scan# 127

Delta R.T. -0.00 min

Lab File: VD058375.D

Acq: 24 Jun 2018 16:50

Instrument :

MSVOA_D

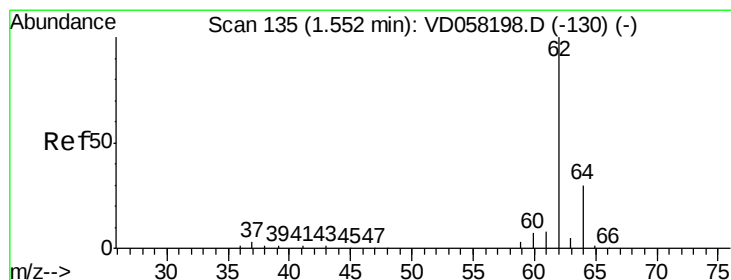
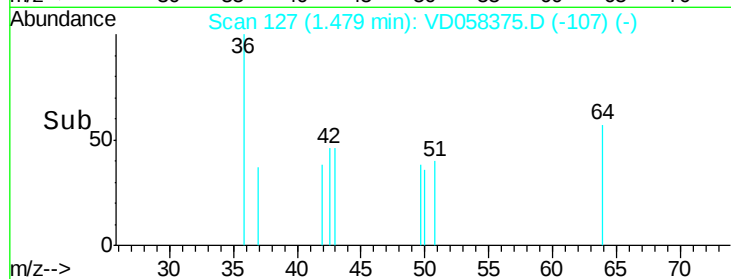
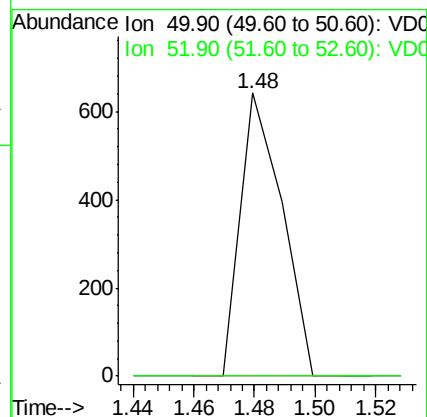
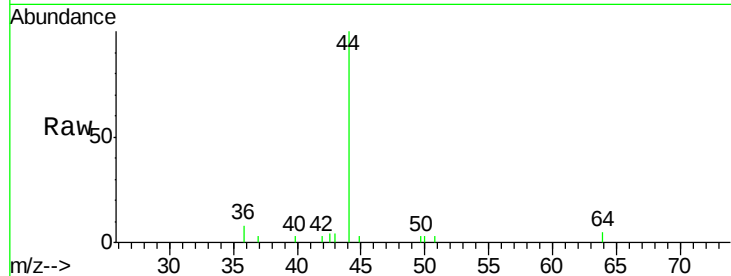
ClientSampleId :

Tot Ion: 50 Resp: 614

Ion Ratio Lower Upper

50 100

52 0.0 25.0 37.4#



#4

Vinyl Chloride

Concen: 60.535 ug/l

RT: 1.56 min Scan# 135

Delta R.T. 0.01 min

Lab File: VD058375.D

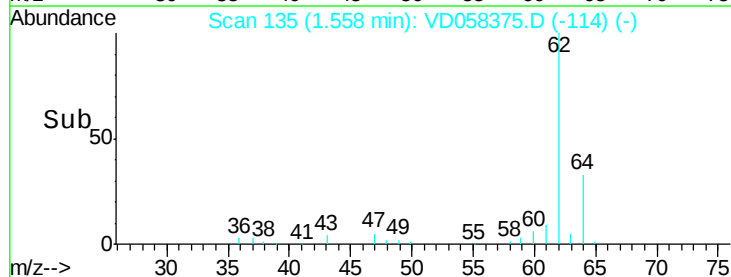
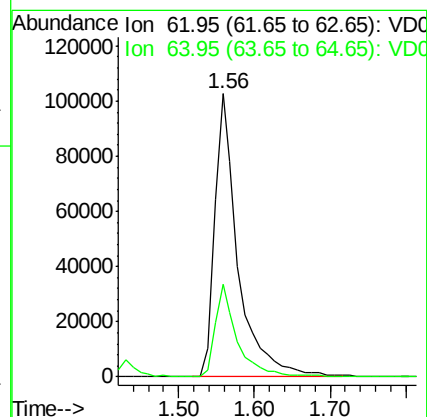
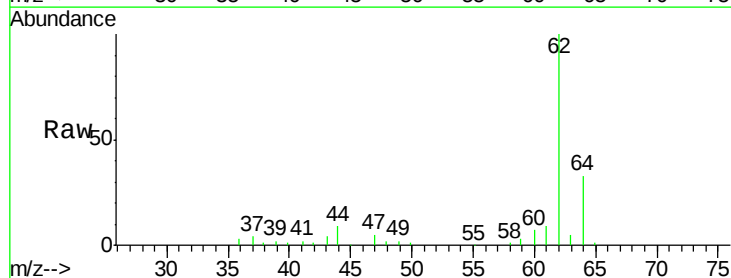
Acq: 24 Jun 2018 16:50

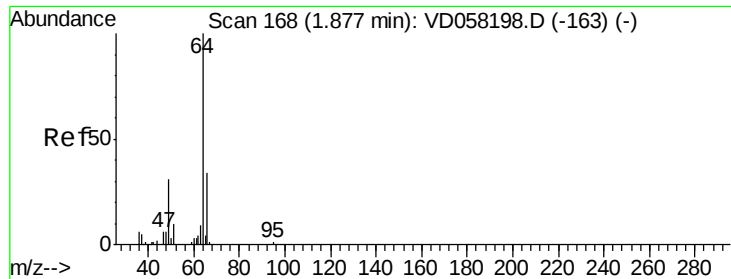
Tgt Ion: 62 Resp: 220755

Ion Ratio Lower Upper

62 100

64 32.6 24.4 36.6





#6

Chloroethane

Concen: 37.244 ug/l

RT: 1.89 min Scan# 169

Delta R.T. 0.02 min

Lab File: VD058375.D

Acq: 24 Jun 2018 16:50

Instrument :

MSVOA_D

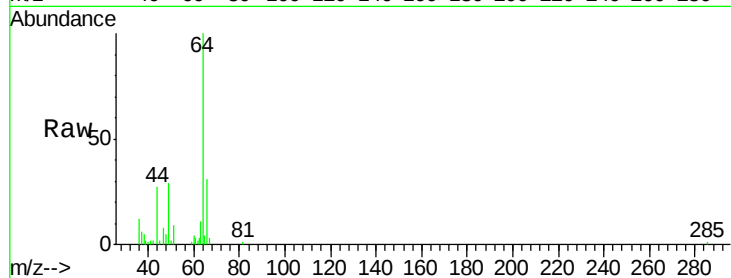
ClientSampleId :

Tot Ion: 64 Resp: 51772

Ion Ratio Lower Upper

64 100

66 31.2 27.3 40.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

1.89

25000

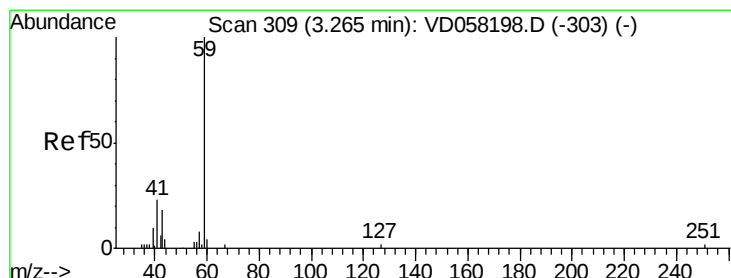
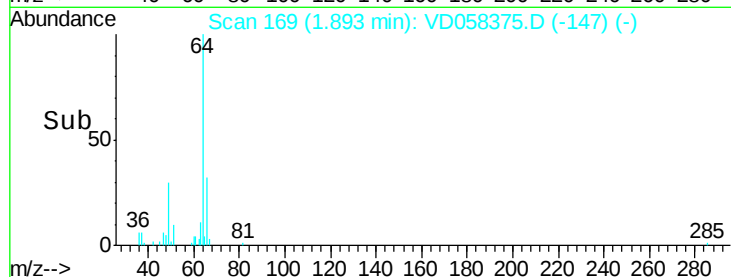
20000

15000

10000

5000

Time-->



#11

Tert butyl alcohol

Concen: 64.917 ug/l

RT: 3.25 min Scan# 307

Delta R.T. -0.01 min

Lab File: VD058375.D

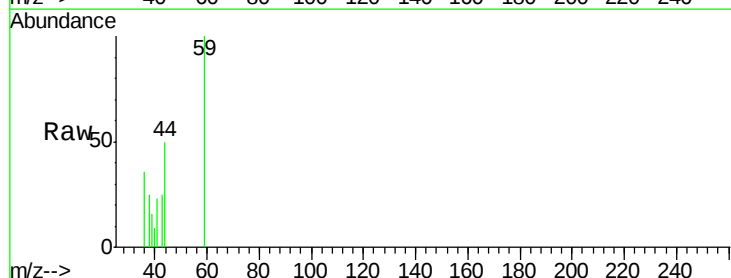
Acq: 24 Jun 2018 16:50

Tgt Ion: 59 Resp: 15055

Ion Ratio Lower Upper

59 100

57 0.0 6.2 9.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

3.25

4000

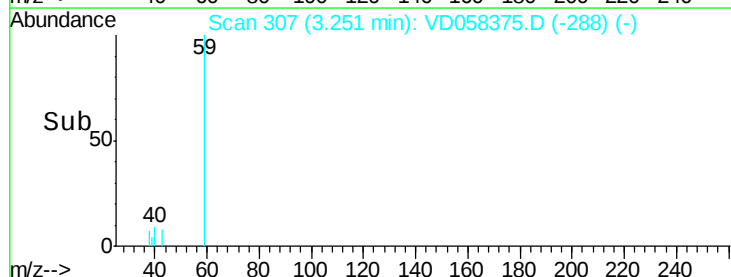
3000

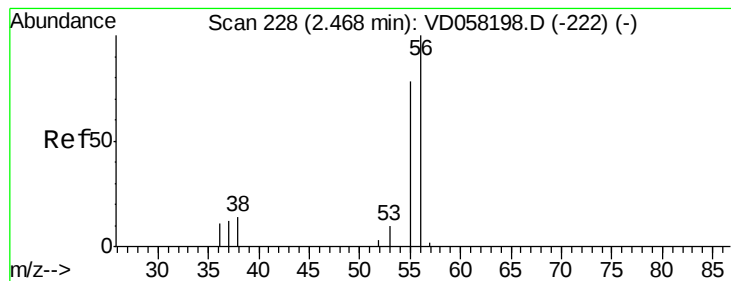
2000

1000

0

Time-->





#13

Acrolein

Concen: 1.390 ug/l

RT: 2.37 min Scan# 217

Delta R.T. -0.10 min

Lab File: VD058375.D

Acq: 24 Jun 2018 16:50

Instrument :

MSVOA_D

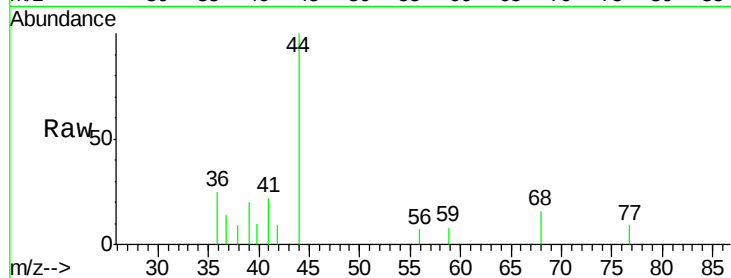
ClientSampleId :

Tot Ion: 56 Resp: 184

Ion Ratio Lower Upper

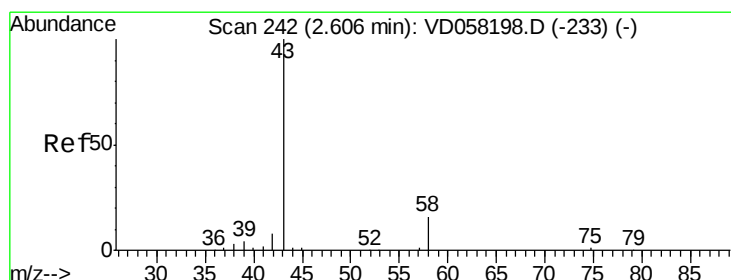
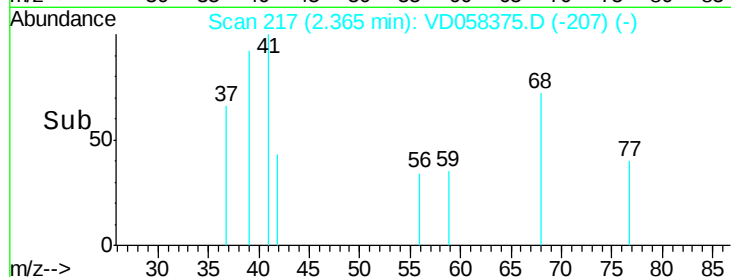
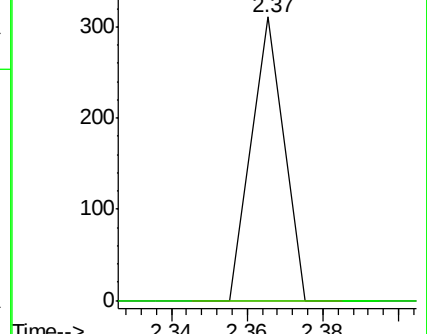
56 100

55 0.0 62.1 93.1#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 52.296 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.02 min

Lab File: VD058375.D

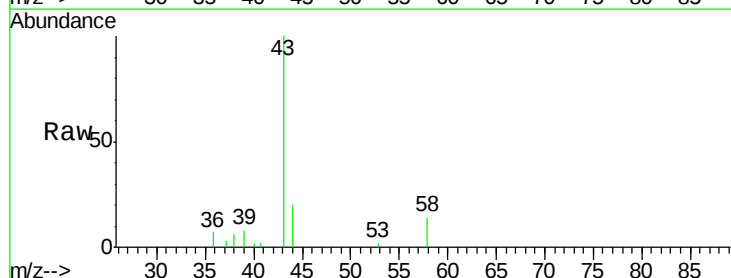
Acq: 24 Jun 2018 16:50

Tgt Ion: 43 Resp: 50289

Ion Ratio Lower Upper

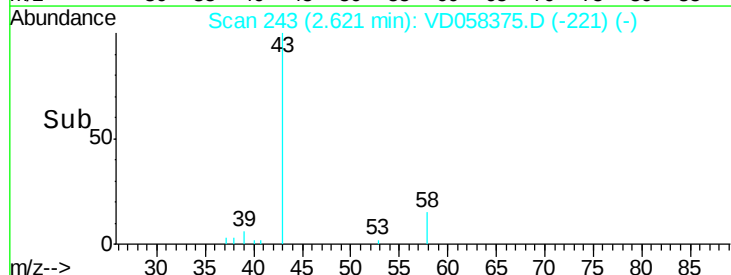
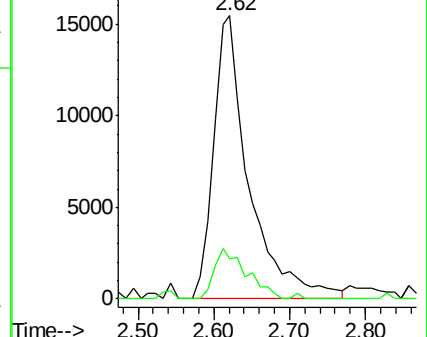
43 100

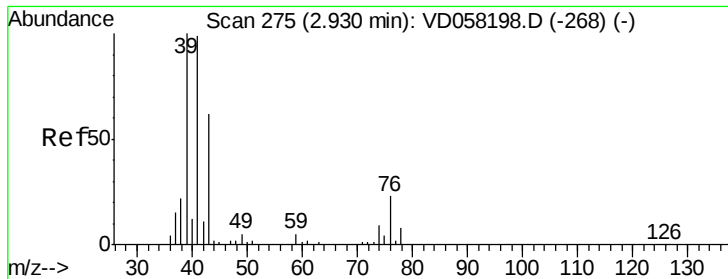
58 14.2 12.7 19.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

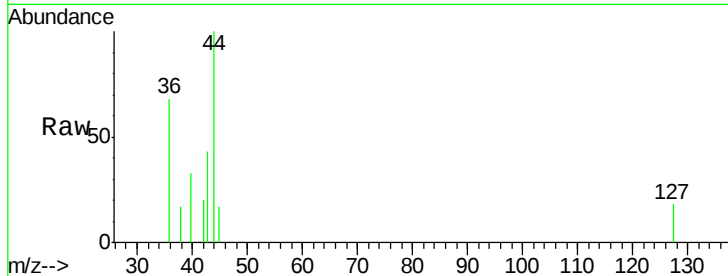




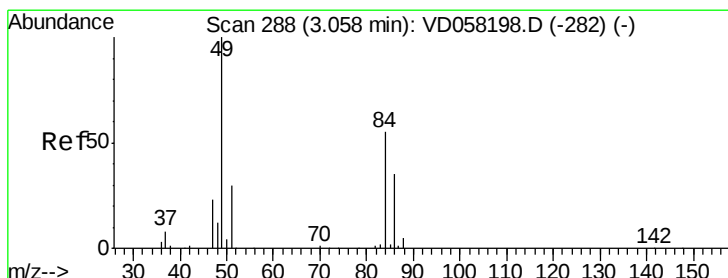
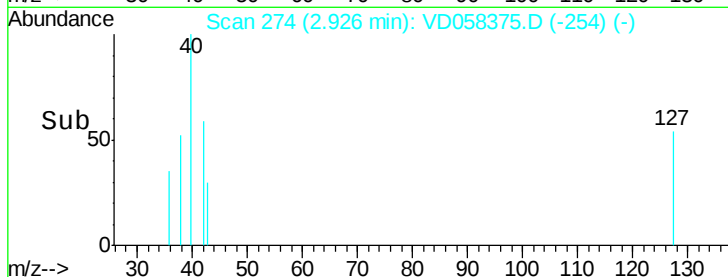
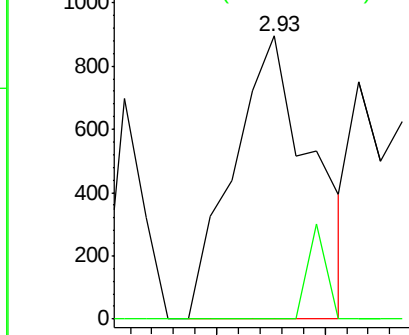
#18
Methyl Acetate
Concen: 1.101 ug/l
RT: 2.93 min Scan# 274
Delta R.T. -0.00 min
Lab File: VD058375.D
Acq: 24 Jun 2018 16:50

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 2258
Ion Ratio Lower Upper
43 100
74 0.0 11.7 17.5#

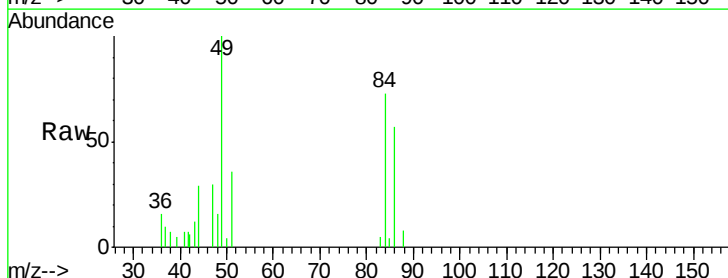


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

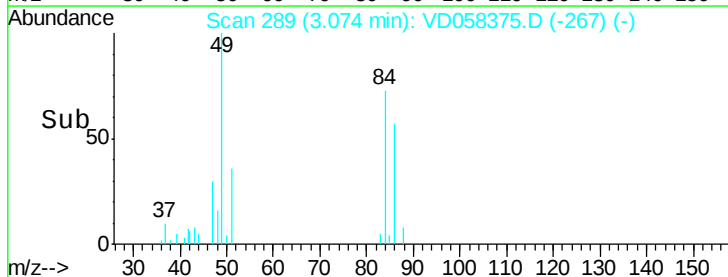
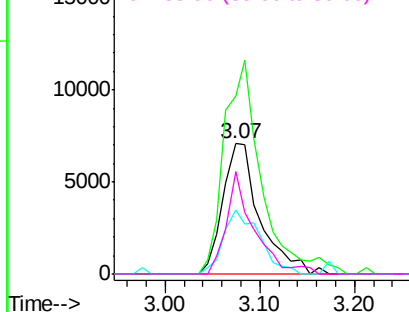


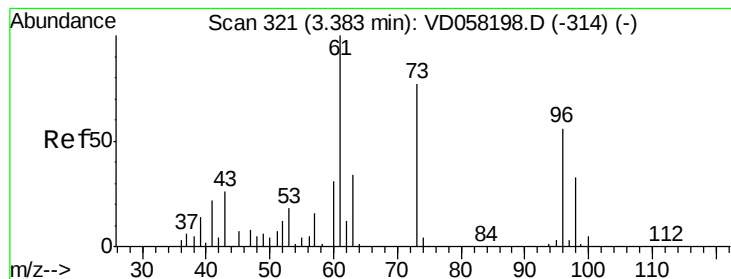
#20
Methylene Chloride
Concen: 3.247 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.02 min
Lab File: VD058375.D
Acq: 24 Jun 2018 16:50

Tgt Ion: 84 Resp: 19338
Ion Ratio Lower Upper
84 100
49 137.2 145.0 217.6#
51 48.9 42.9 64.3
86 78.7 50.1 75.1#



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





#21

trans-1,2-Dichloroethene

Concen: 3.461 ug/l

RT: 3.41 min Scan# 323

Delta R.T. 0.03 min

Lab File: VD058375.D

Acq: 24 Jun 2018 16:50

Instrument :

MSVOA_D

ClientSampleId :

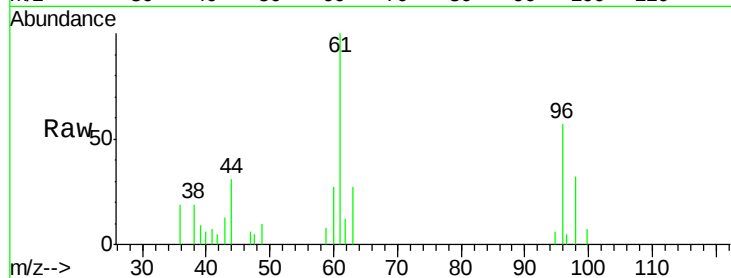
Tot Ion: 96 Resp: 9046

Ion Ratio Lower Upper

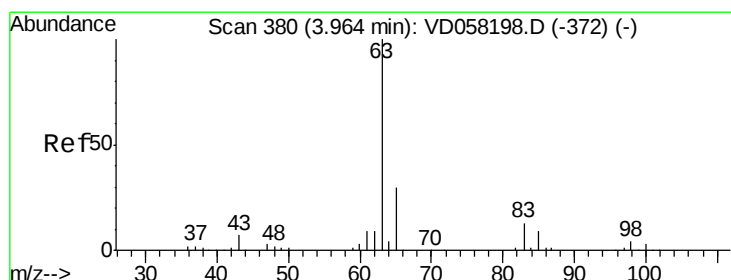
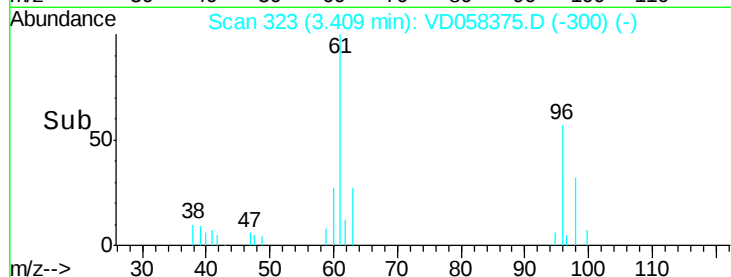
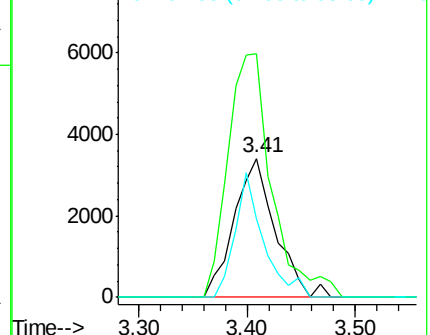
96 100

61 160.2 143.8 215.6

98 51.3 48.0 72.0



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



#24

1,1-Dichloroethane

Concen: 6.308 ug/l

RT: 3.99 min Scan# 382

Delta R.T. 0.03 min

Lab File: VD058375.D

Acq: 24 Jun 2018 16:50

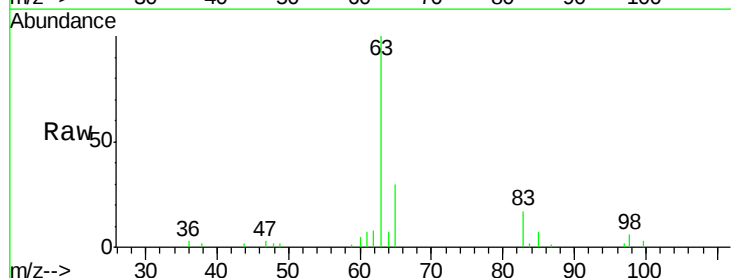
Tgt Ion: 63 Resp: 75129

Ion Ratio Lower Upper

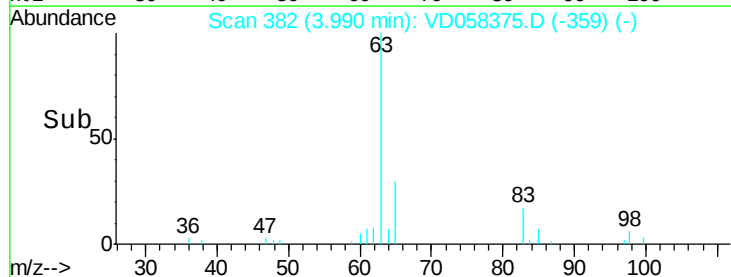
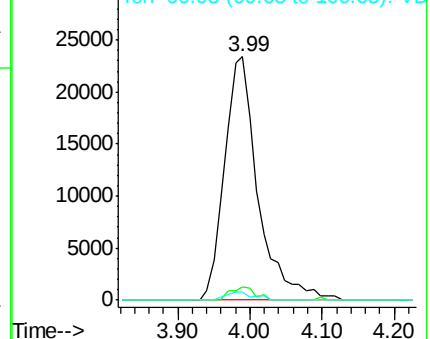
63 100

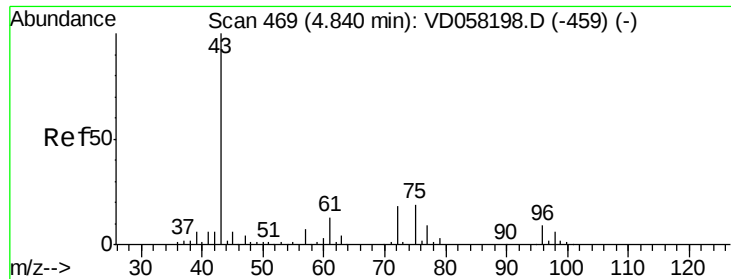
98 5.5 1.9 5.7

100 3.5 1.3 3.9



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: 5.996 ug/l

RT: 4.86 min Scan# 470

Delta R.T. 0.02 min

Lab File: VD058375.D

Acq: 24 Jun 2018 16:50

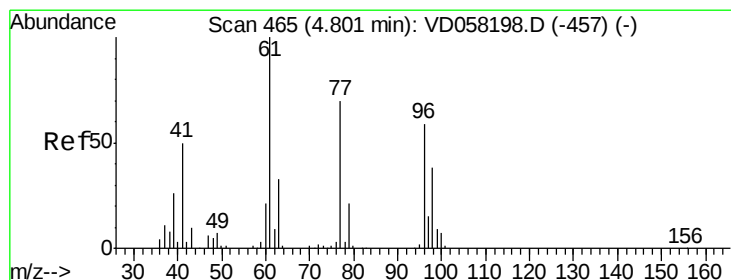
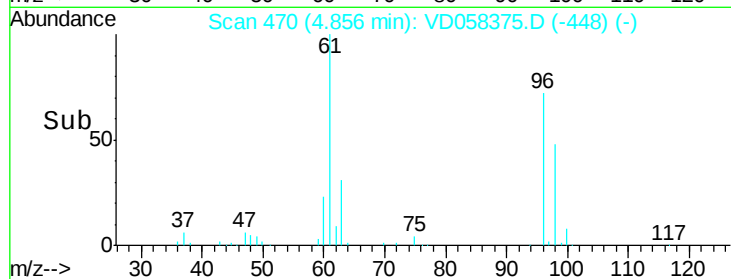
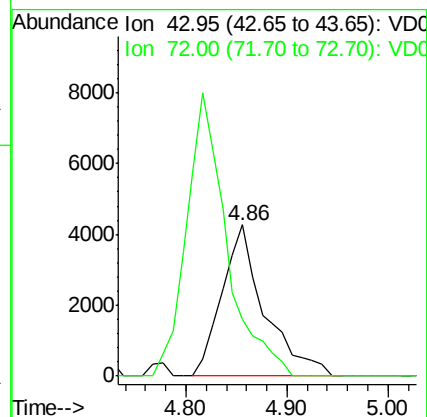
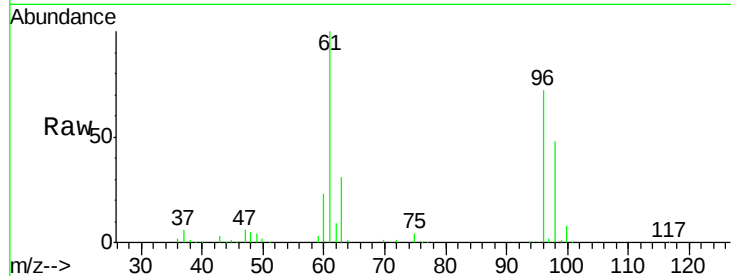
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 12566

Ion Ratio Lower Upper

43 100

72 37.6 14.1 21.1#



#27

cis-1,2-Dichloroethene

Concen: 284.889 ug/l

RT: 4.82 min Scan# 466

Delta R.T. 0.02 min

Lab File: VD058375.D

Acq: 24 Jun 2018 16:50

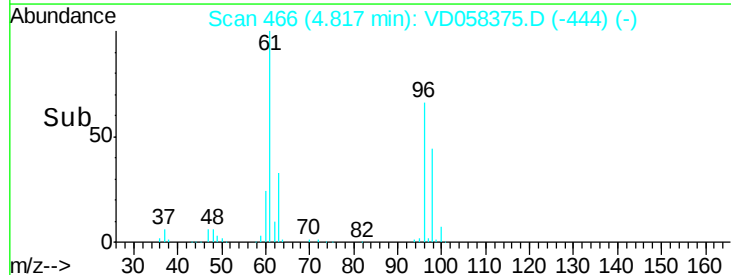
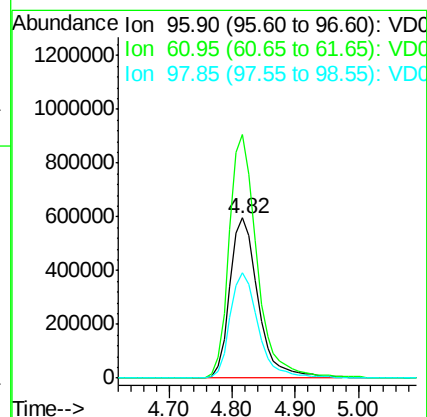
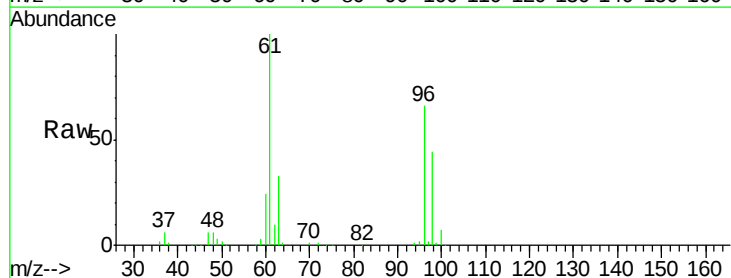
Tgt Ion: 96 Resp: 1860827

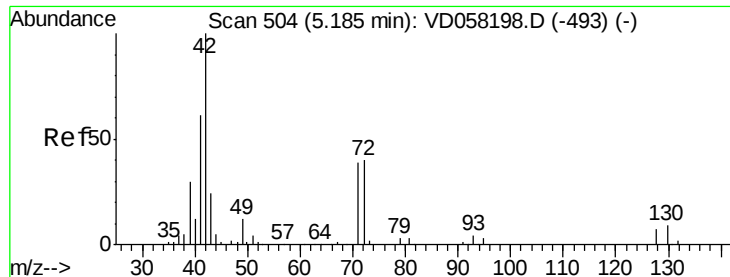
Ion Ratio Lower Upper

96 100

61 151.8 0.0 338.6

98 66.1 0.0 130.2

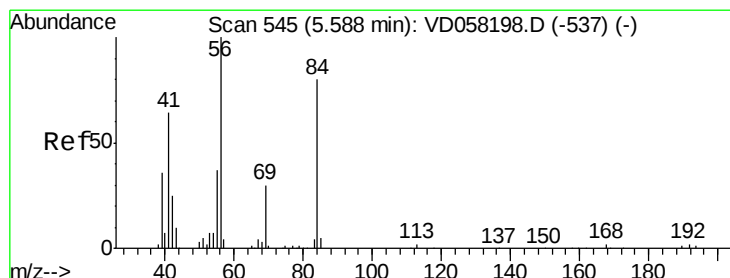
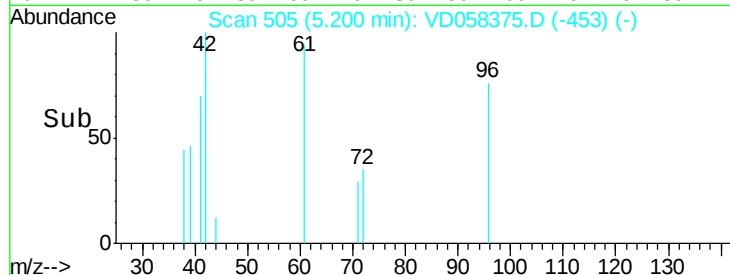
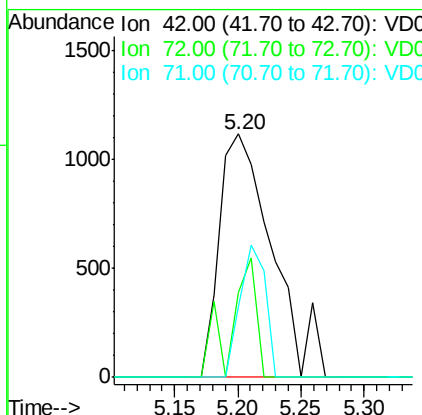
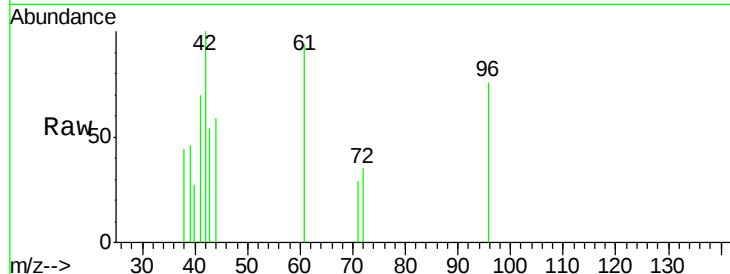




#29
Tetrahydrofuran
Concen: 2.910 ug/l
RT: 5.20 min Scan# 505
Delta R.T. 0.02 min
Lab File: VD058375.D
Acq: 24 Jun 2018 16:50

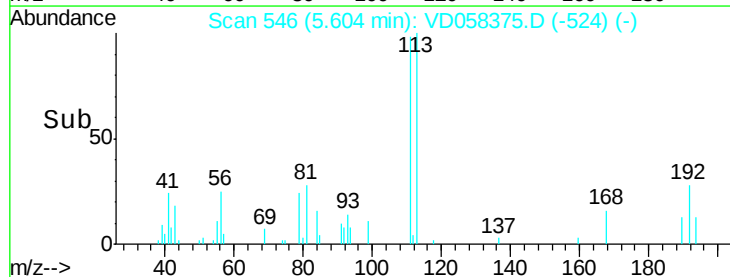
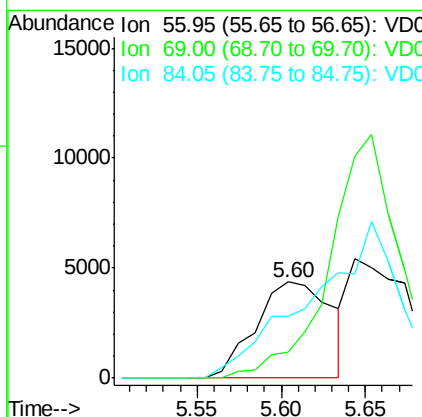
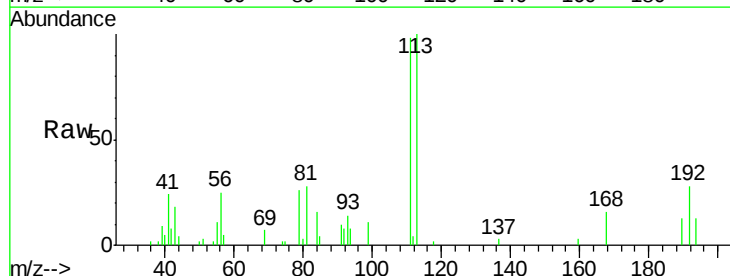
Instrument :
MSVOA_D
ClientSampled :

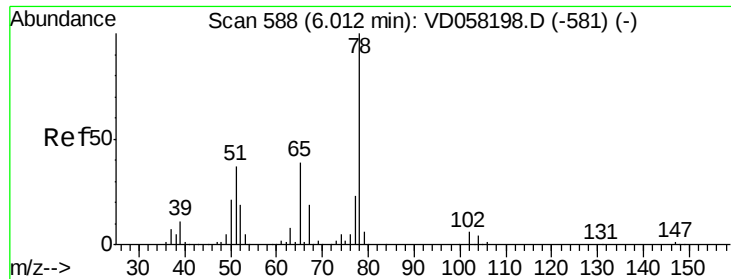
Tot Ion: 42 Resp: 3246
Ion Ratio Lower Upper
42 100
72 23.4 30.2 45.2#
71 25.9 30.1 45.1#



#31
Cyclohexane
Concen: Below Cal
RT: 5.60 min Scan# 546
Delta R.T. 0.02 min
Lab File: VD058375.D
Acq: 24 Jun 2018 16:50

Tgt Ion: 56 Resp: 13641
Ion Ratio Lower Upper
56 100
69 26.5 23.6 35.4
84 63.9 65.2 97.8#





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 6.03 min Scan# 589

Delta R.T. 0.02 min

Lab File: VD058375.D

Acq: 24 Jun 2018 16:50

Instrument :

MSVOA_D

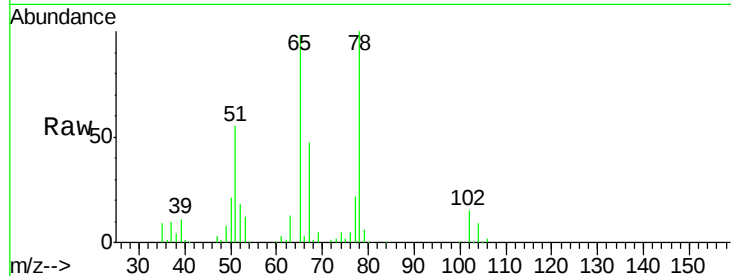
ClientSampleId :

Tot Ion: 65 Resp: 432756

Ion Ratio Lower Upper

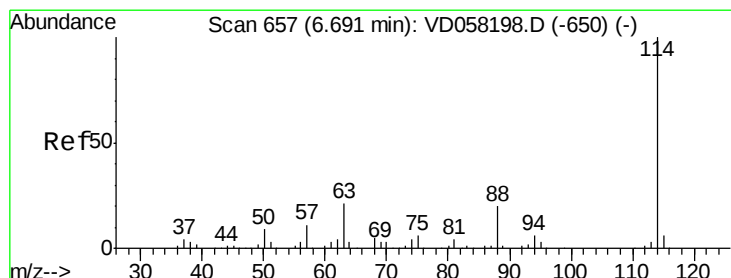
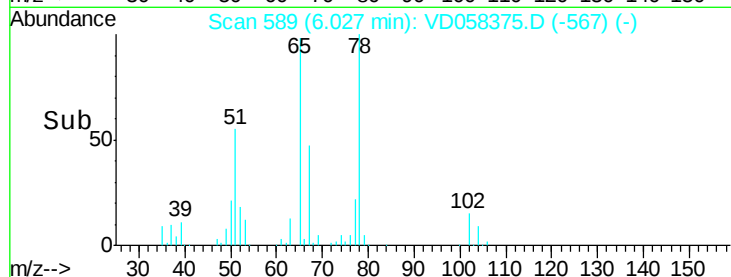
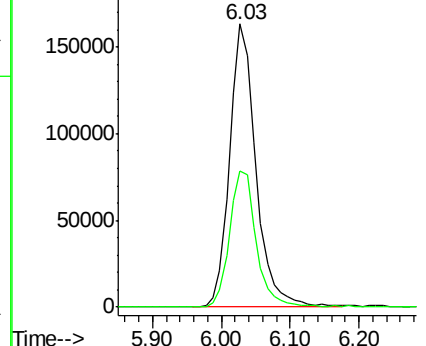
65 100

67 48.2 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: 6.71 min Scan# 658

Delta R.T. 0.02 min

Lab File: VD058375.D

Acq: 24 Jun 2018 16:50

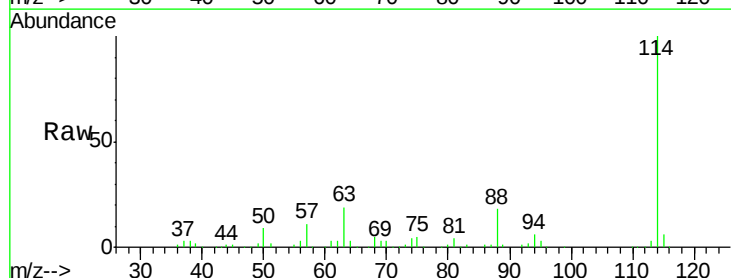
Tgt Ion: 114 Resp: 926521

Ion Ratio Lower Upper

114 100

63 18.8 0.0 42.6

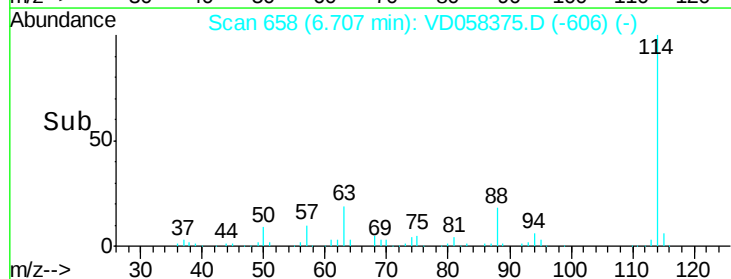
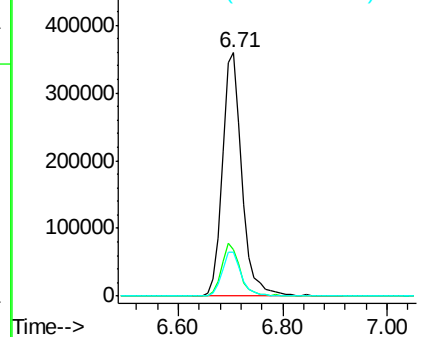
88 18.1 0.0 40.6

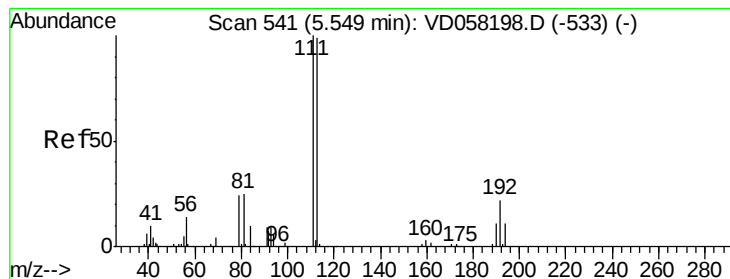


Abundance Ion 114.00 (113.70 to 114.70): V

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

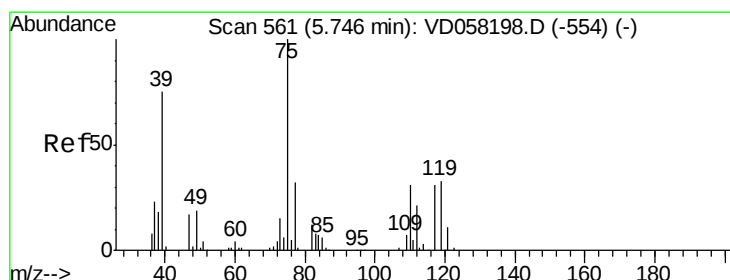
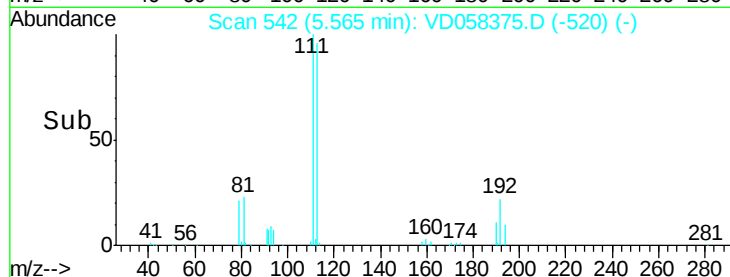
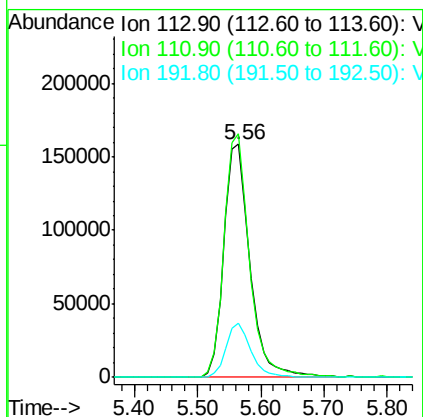
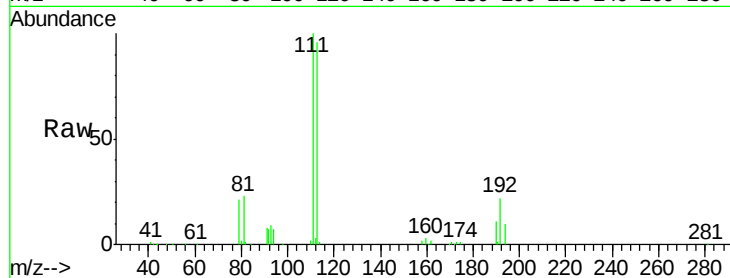
Delta R.T. 0.02 min

Lab File: VD058375.D

Acq: 24 Jun 2018 16:50

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	113	Resp:	455152
Ion	Ratio	Lower	Upper
113	100		
111	104.6	80.6	121.0
192	23.5	17.8	26.6



#36

1,1-Dichloropropene

Concen: 5.962 ug/l

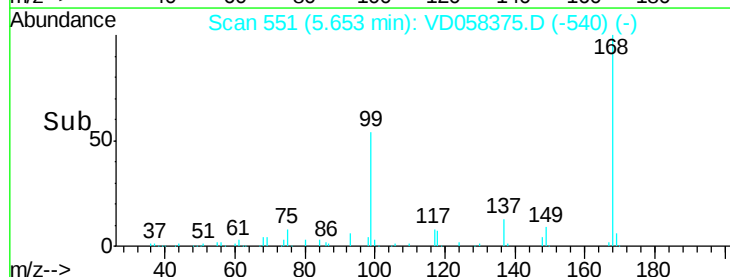
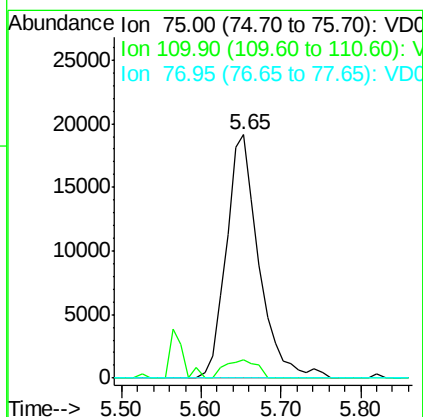
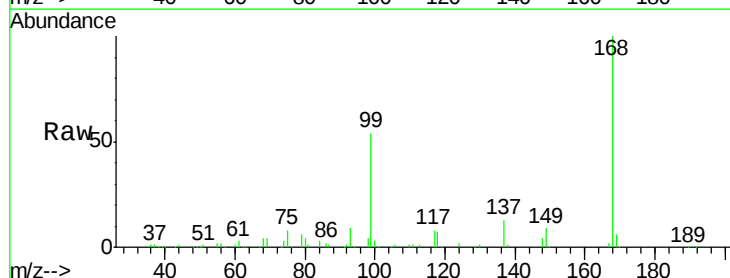
RT: 5.65 min Scan# 551

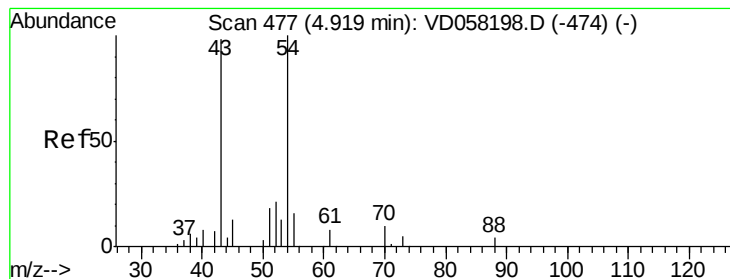
Delta R.T. -0.09 min

Lab File: VD058375.D

Acq: 24 Jun 2018 16:50

Tgt Ion:	75	Resp:	54642
Ion	Ratio	Lower	Upper
75	100		
110	7.4	15.4	46.4#
77	0.0	25.4	38.2#





#37

Ethyl Acetate

Concen: 2.406 ug/l

RT: 4.86 min Scan# 470

Delta R.T. -0.06 min

Lab File: VD058375.D

Acq: 24 Jun 2018 16:50

Instrument :

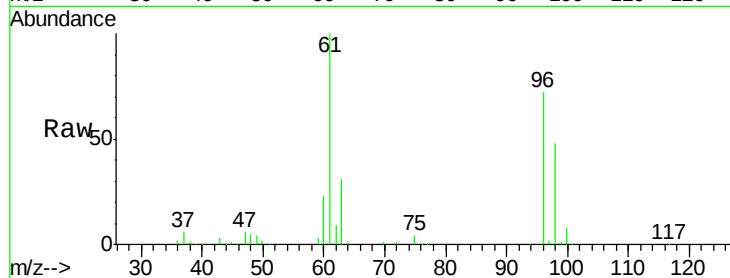
MSVOA_D

ClientSampled :

Tot Ion: 43 Resp: 12566

Ion Ratio Lower Upper

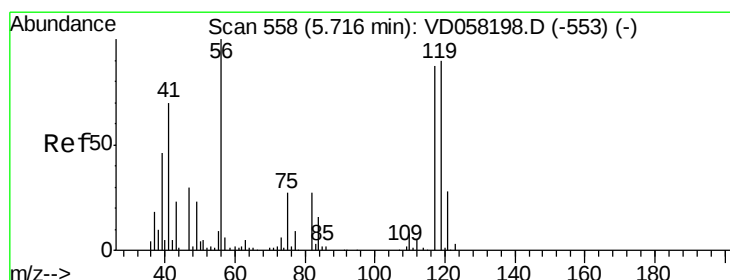
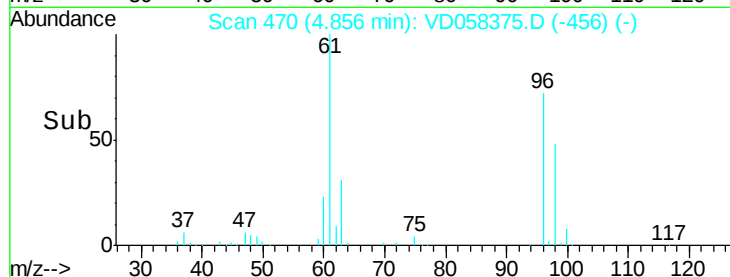
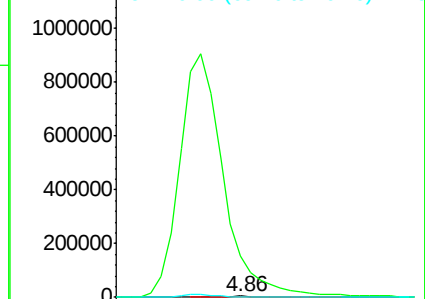
43	100		
61	3632.9	10.3	15.5#
70	32.1	5.7	8.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 6.336 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.06 min

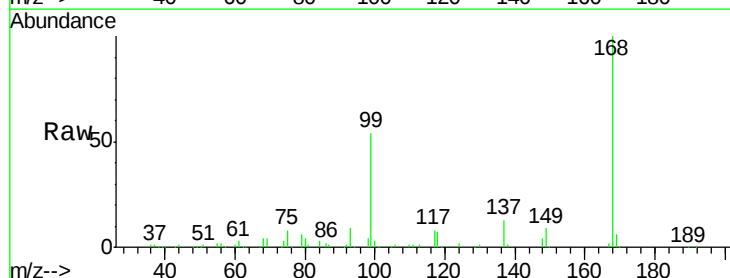
Lab File: VD058375.D

Acq: 24 Jun 2018 16:50

Tgt Ion: 117 Resp: 57702

Ion Ratio Lower Upper

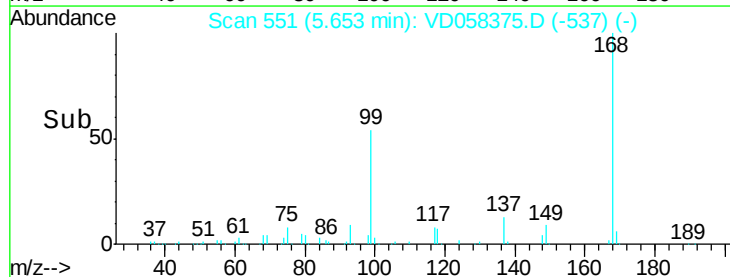
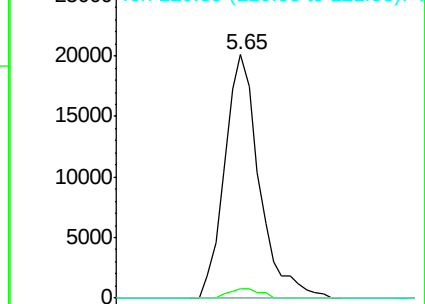
117	100		
119	3.8	78.8	118.2#
121	0.0	25.0	37.6#

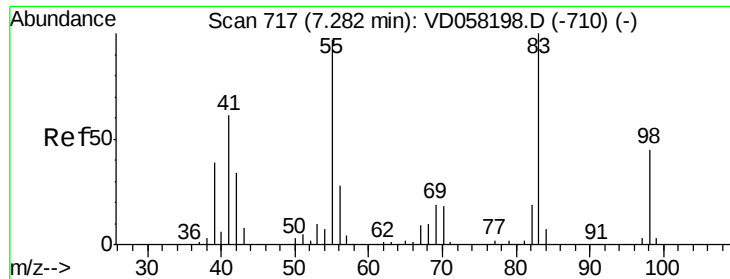


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

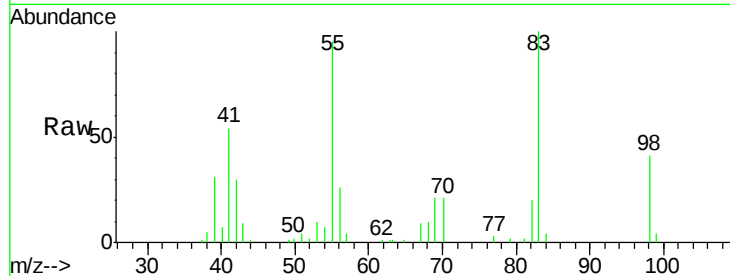




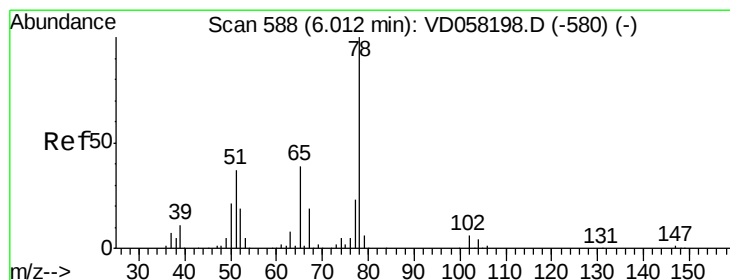
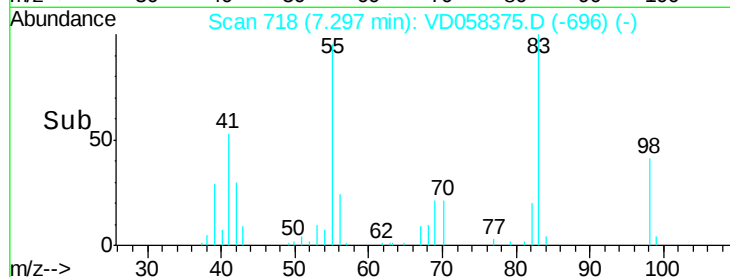
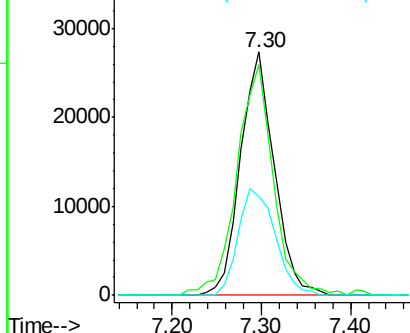
#39
Methvlcvclohexane
Concen: 8.074 ug/l
RT: 7.30 min Scan# 718
Delta R.T. 0.02 min
Lab File: VD058375.D
Acq: 24 Jun 2018 16:50

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 83 Resp: 72083
Ion Ratio Lower Upper
83 100
55 94.9 77.4 116.2
98 40.6 35.9 53.9

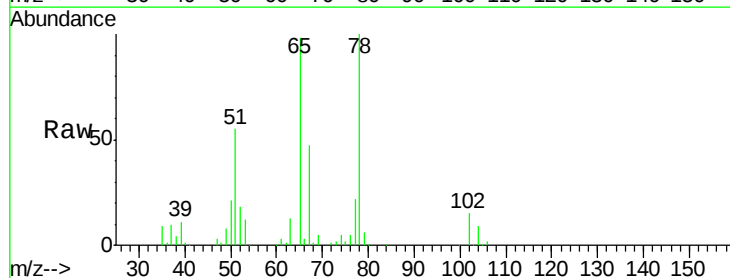


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

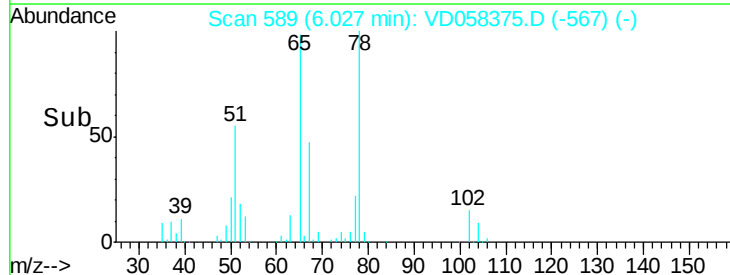
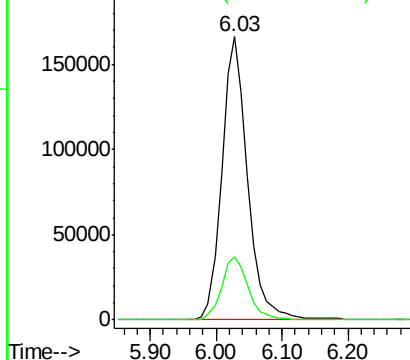


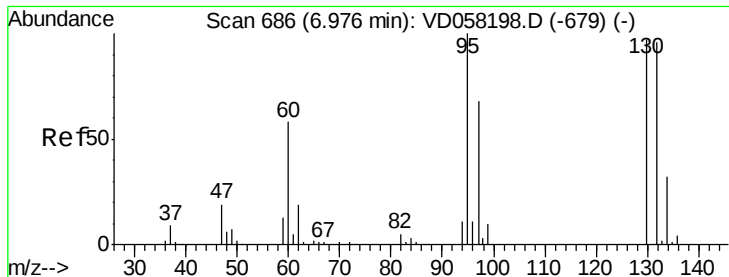
#40
Benzene
Concen: 20.679 ug/l
RT: 6.03 min Scan# 589
Delta R.T. 0.02 min
Lab File: VD058375.D
Acq: 24 Jun 2018 16:50

Tgt Ion: 78 Resp: 451500
Ion Ratio Lower Upper
78 100
77 22.4 18.5 27.7



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

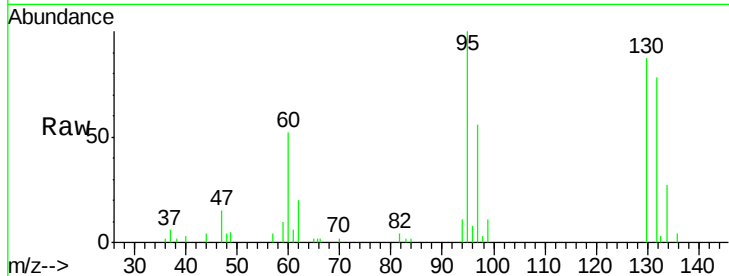




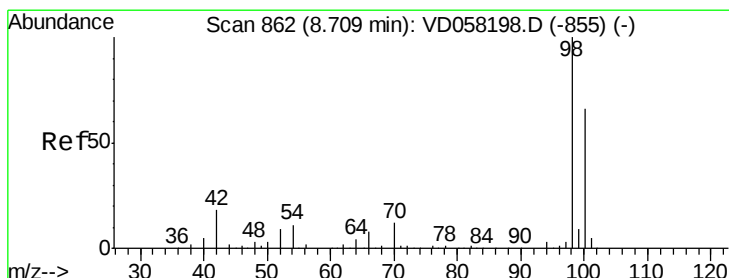
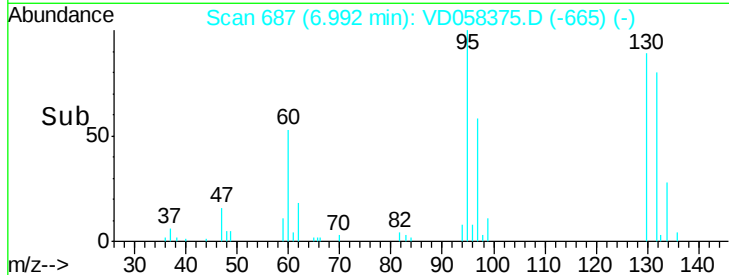
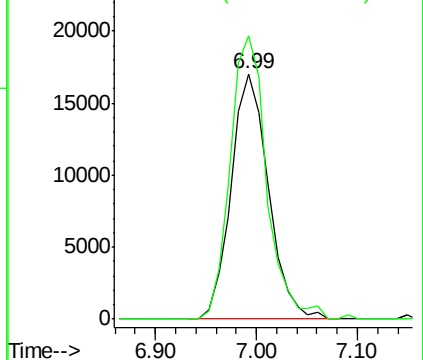
#44
 Trichloroethene
 Concen: 6.671 ug/l
 RT: 6.99 min Scan# 687
 Delta R.T. 0.02 min
 Lab File: VD058375.D
 Acq: 24 Jun 2018 16:50

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:130 Resp: 43734
 Ion Ratio Lower Upper
 130 100
 95 115.4 0.0 205.6

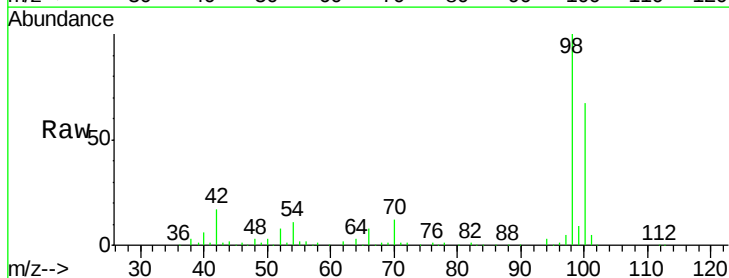


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VDC

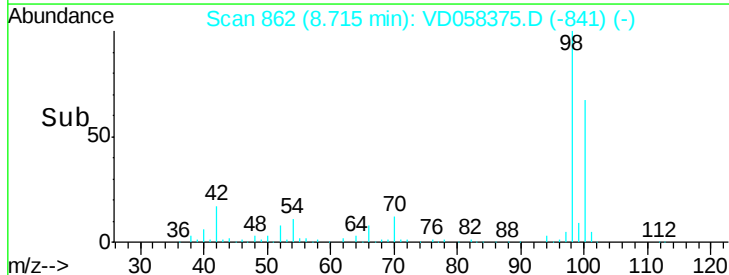
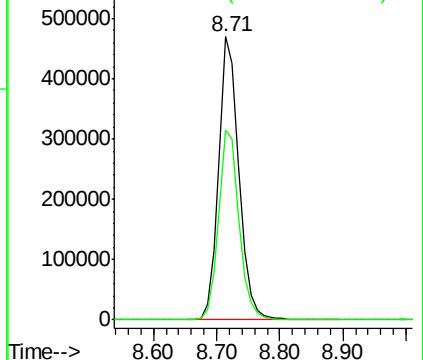


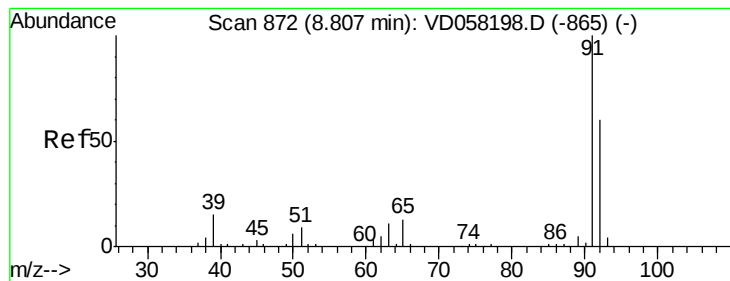
#50
 Toluene-d8
 Concen: N.D. ug/l
 RT: 8.71 min Scan# 862
 Delta R.T. 0.01 min
 Lab File: VD058375.D
 Acq: 24 Jun 2018 16:50

Tgt Ion: 98 Resp: 1065495
 Ion Ratio Lower Upper
 98 100
 100 67.2 53.6 80.4



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





#52

Toluene

Concen: 5.053 ug/l

RT: 8.81 min Scan# 872

Delta R.T. 0.01 min

Lab File: VD058375.D

Acq: 24 Jun 2018 16:50

Instrument :

MSVOA_D

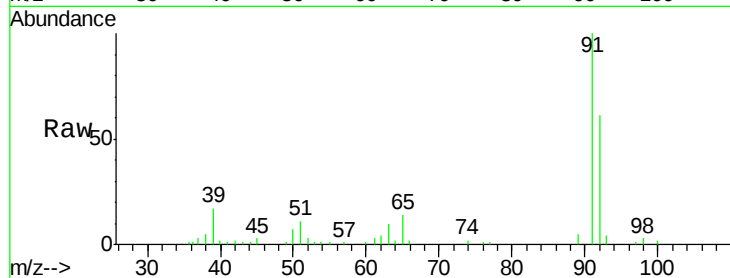
ClientSampleId :

Tot Ion: 92 Resp: 62817

Ion Ratio Lower Upper

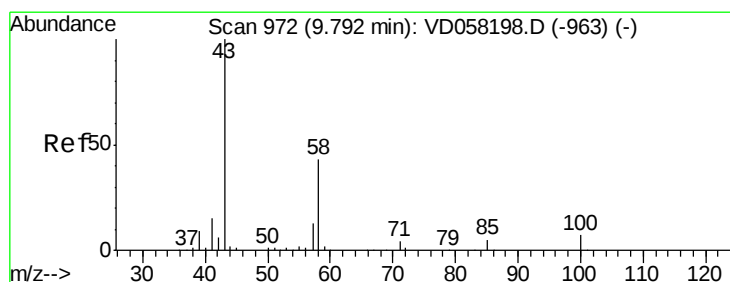
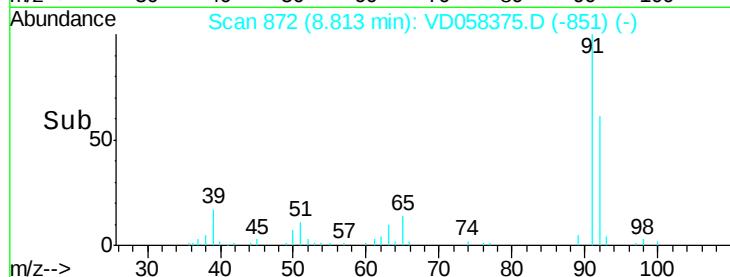
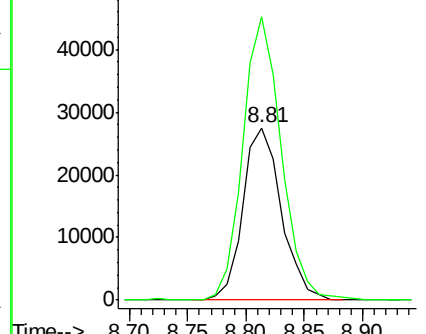
92 100

91 164.3 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#59

2-Hexanone

Concen: 8.903 ug/l

RT: 9.74 min Scan# 966

Delta R.T. -0.05 min

Lab File: VD058375.D

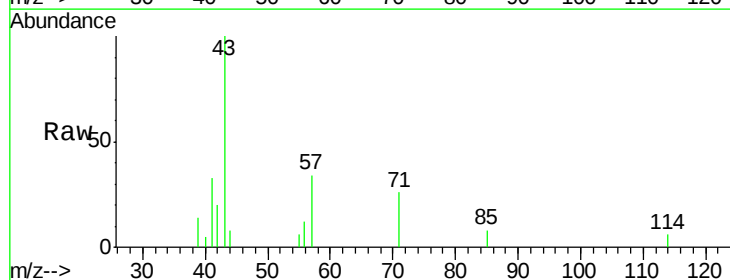
Acq: 24 Jun 2018 16:50

Tgt Ion: 43 Resp: 29216

Ion Ratio Lower Upper

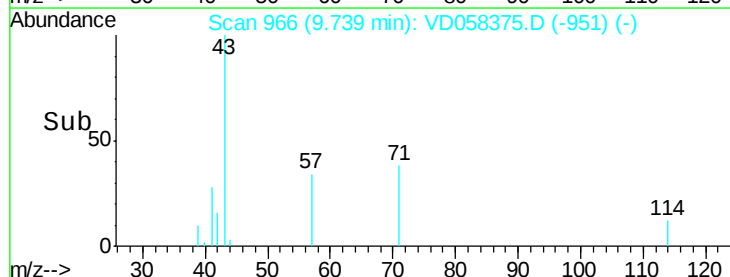
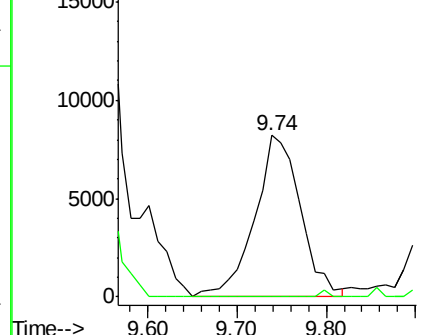
43 100

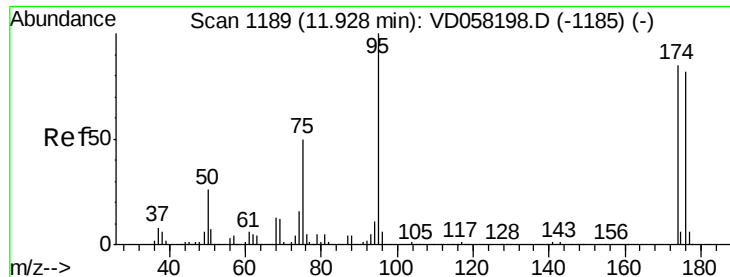
58 0.0 21.7 65.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD058375.D

Acq: 24 Jun 2018 16:50

Instrument :

MSVOA_D

ClientSampleId :

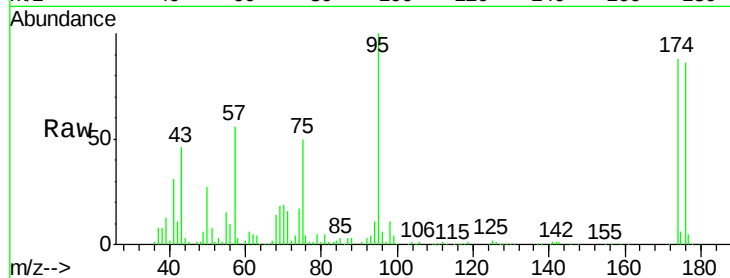
Tot Ion: 95 Resp: 420409

Ion Ratio Lower Upper

95 100

174 87.7 0.0 170.2

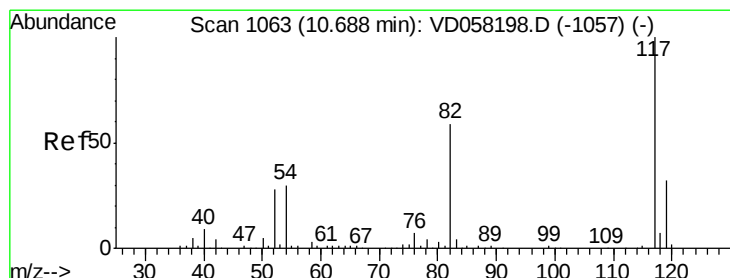
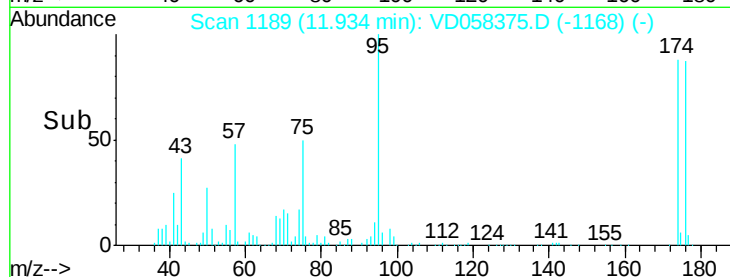
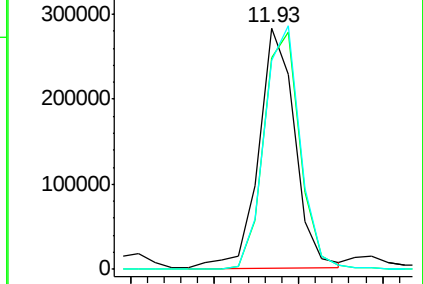
176 86.4 0.0 164.6



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. 0.02 min

Lab File: VD058375.D

Acq: 24 Jun 2018 16:50

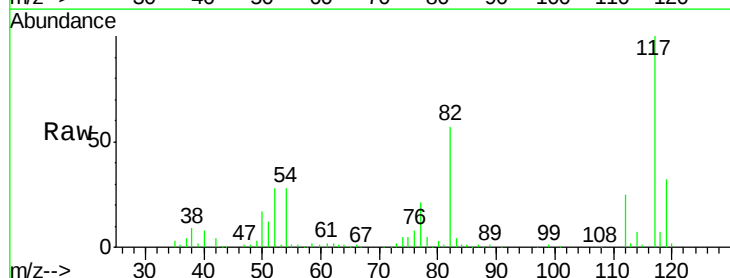
Tgt Ion: 117 Resp: 673199

Ion Ratio Lower Upper

117 100

82 56.5 47.0 70.6

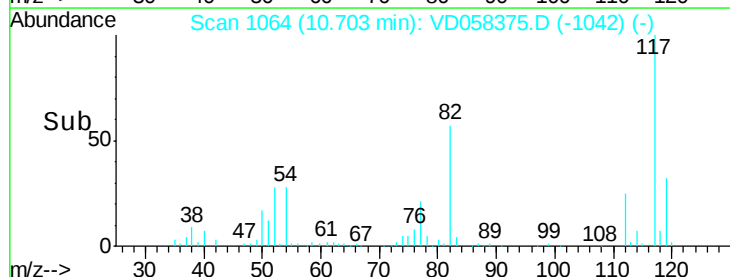
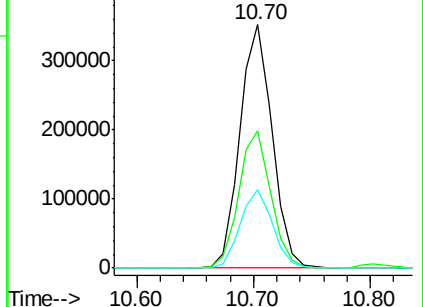
119 32.0 25.3 37.9

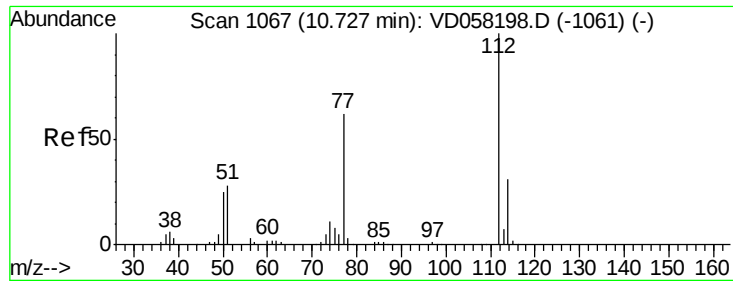


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

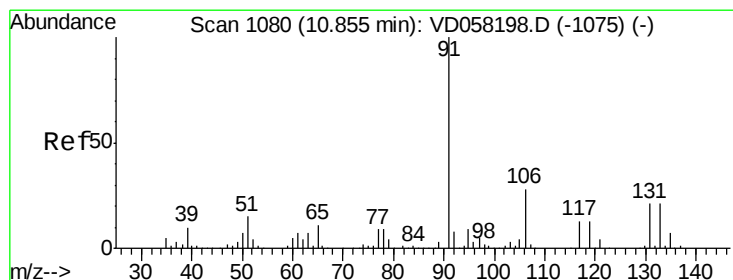
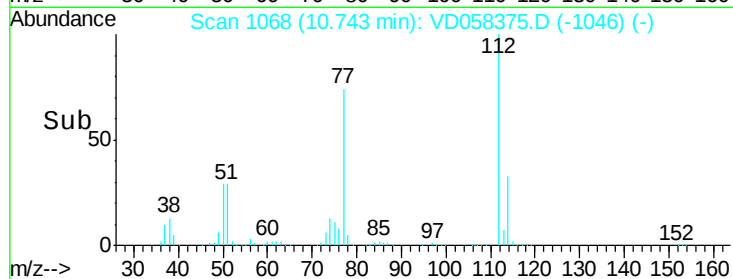
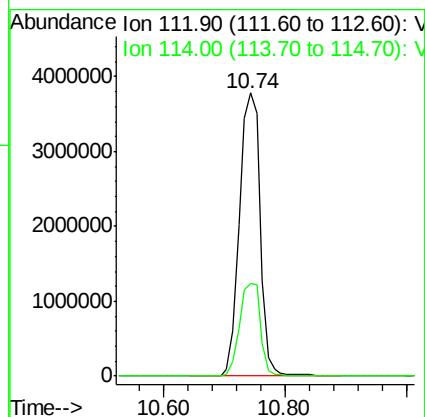
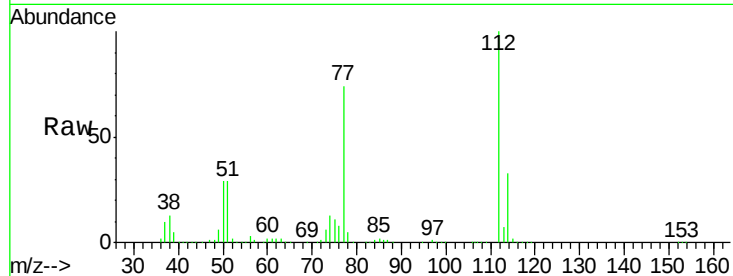




#65
Chlorobenzene
Concen: 716.555 ug/l
RT: 10.74 min Scan# 1068
Delta R.T. 0.02 min
Lab File: VD058375.D
Acq: 24 Jun 2018 16:50

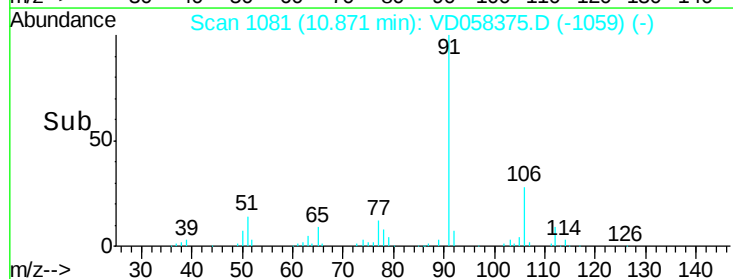
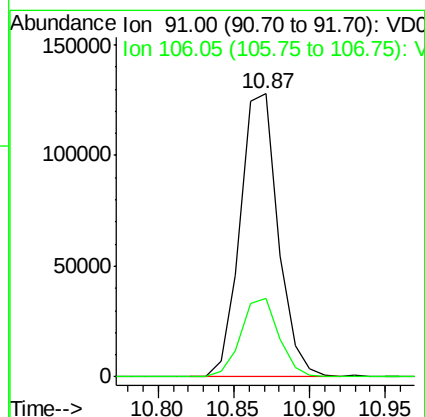
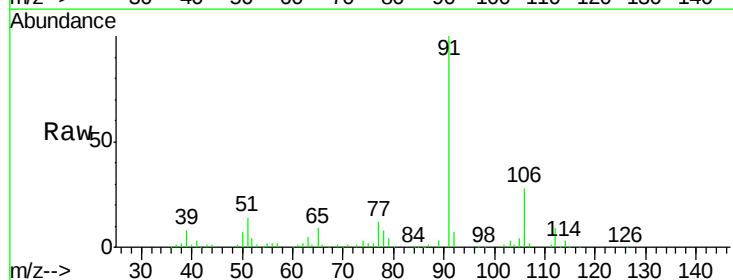
Instrument :
MSVOA_D
ClientSampleId :

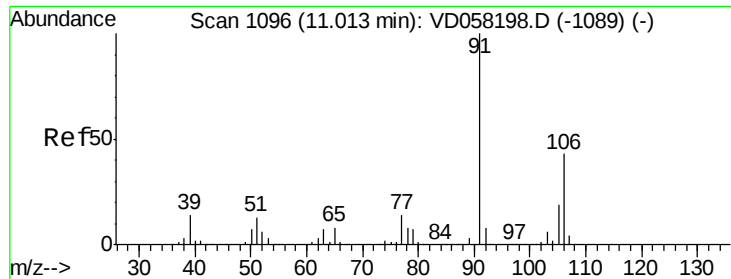
Tot Ion:112 Resp: 9023229
Ion Ratio Lower Upper
112 100
114 32.8 25.0 37.4



#67
Ethyl Benzene
Concen: 10.059 ug/l
RT: 10.87 min Scan# 1081
Delta R.T. 0.02 min
Lab File: VD058375.D
Acq: 24 Jun 2018 16:50

Tgt Ion: 91 Resp: 223625
Ion Ratio Lower Upper
91 100
106 27.8 22.0 33.0

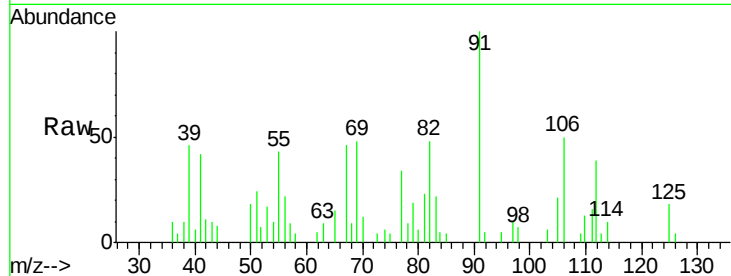




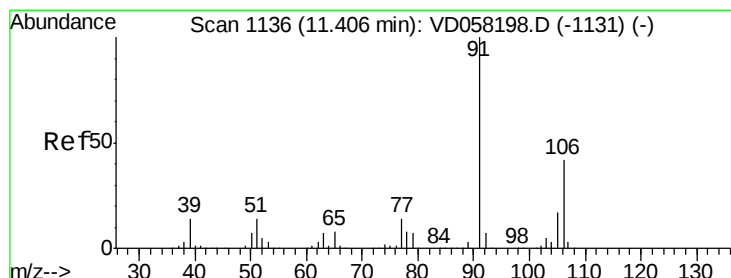
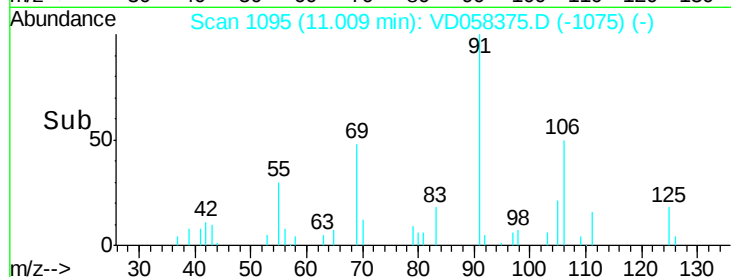
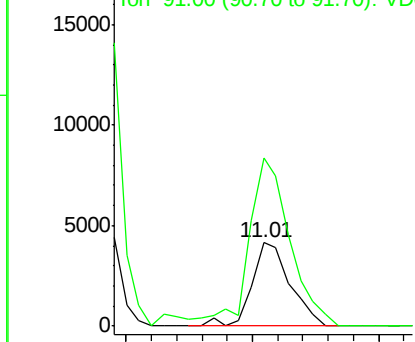
#68
m/p-Xylenes
Concen: 1.182 ug/l
RT: 11.01 min Scan# 1095
Delta R.T. -0.00 min
Lab File: VD058375.D
Acq: 24 Jun 2018 16:50

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 8765
Ion Ratio Lower Upper
106 100
91 202.0 185.0 277.6

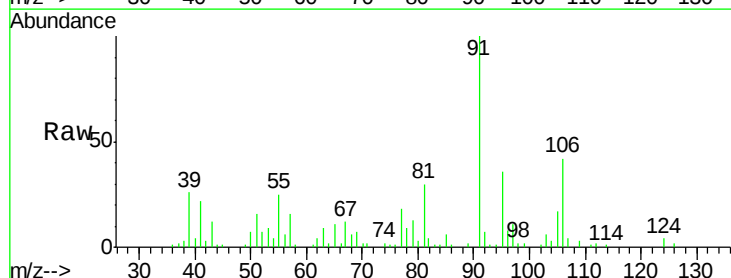


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

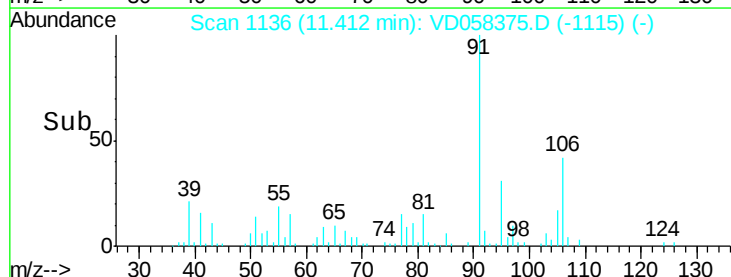
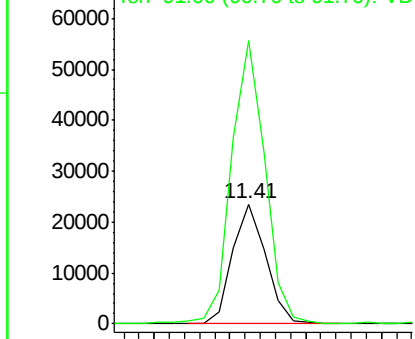


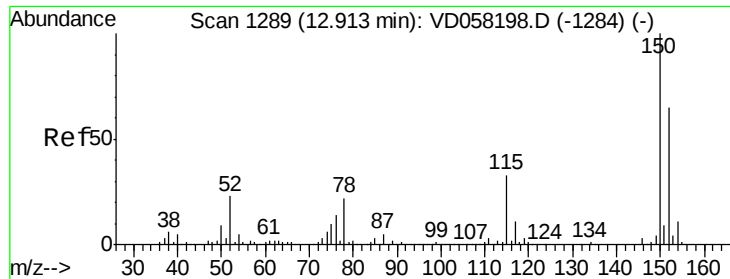
#69
o-Xylene
Concen: 5.099 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.01 min
Lab File: VD058375.D
Acq: 24 Jun 2018 16:50

Tgt Ion:106 Resp: 36106
Ion Ratio Lower Upper
106 100
91 236.4 120.2 360.6



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



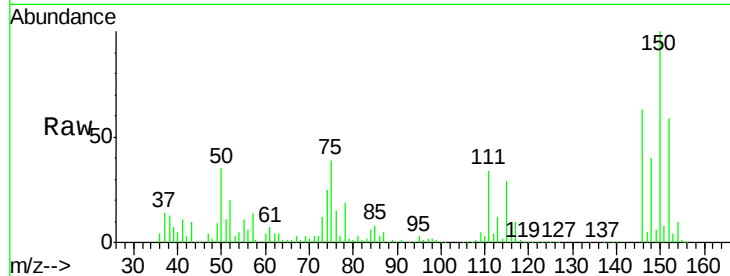


#72

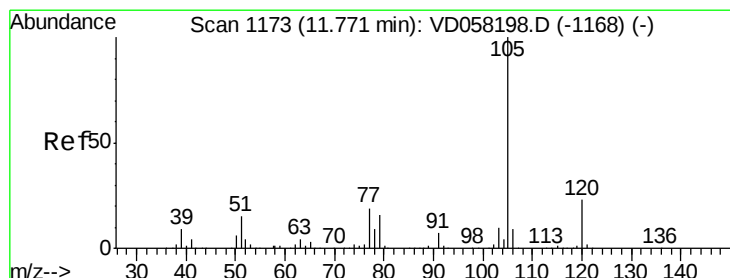
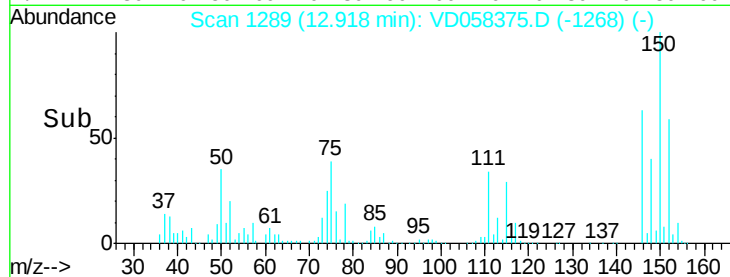
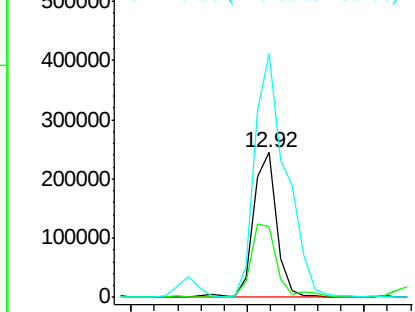
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.92 min Scan# 1289
Delta R.T. 0.01 min
Lab File: VD058375.D
Acq: 24 Jun 2018 16:50

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	49.3	25.1	75.3
150	168.3	0.0	308.8



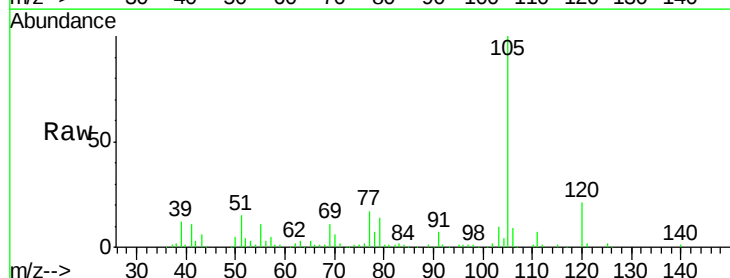
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



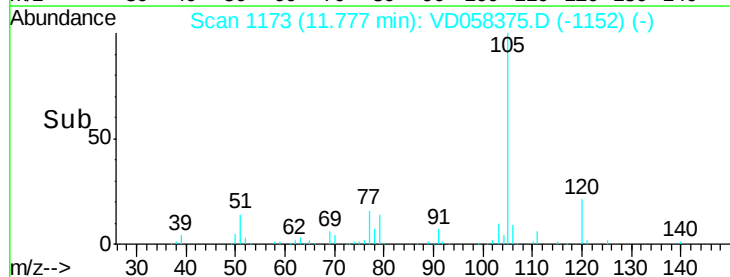
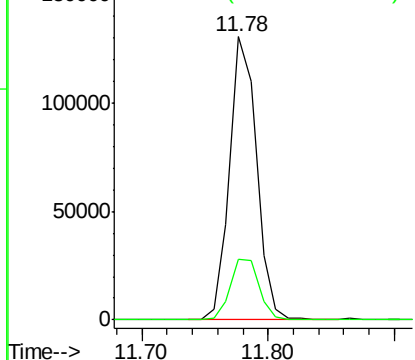
#73

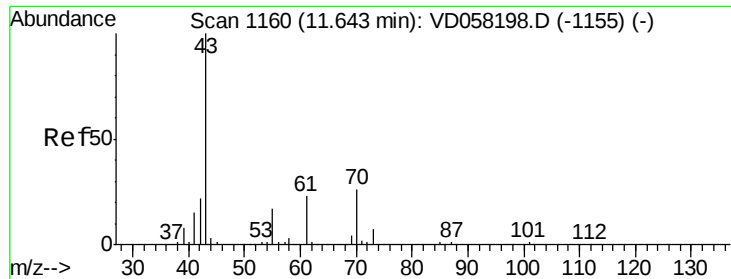
Isopropylbenzene
Concen: 9.460 ug/l
RT: 11.78 min Scan# 1173
Delta R.T. 0.01 min
Lab File: VD058375.D
Acq: 24 Jun 2018 16:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	21.3	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: 10.040 ug/l

RT: 11.68 min Scan# 1163

Delta R.T. 0.04 min

Lab File: VD058375.D

Acq: 24 Jun 2018 16:50

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 43 Resp: 79200

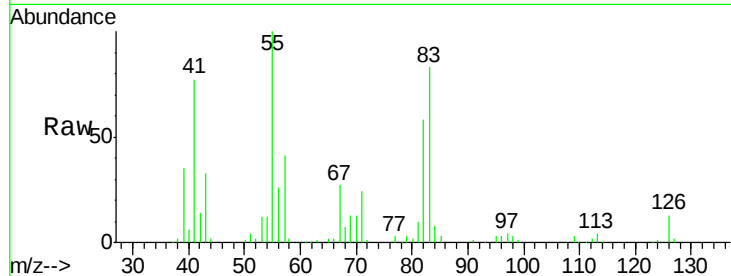
Ion Ratio Lower Upper

43 100

70 38.9 20.9 31.3#

55 306.4 13.5 20.3#

61 0.9 18.2 27.2#

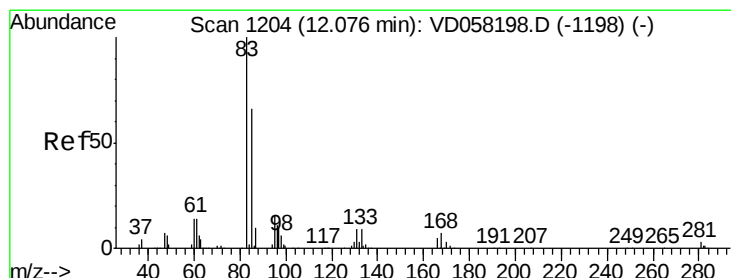
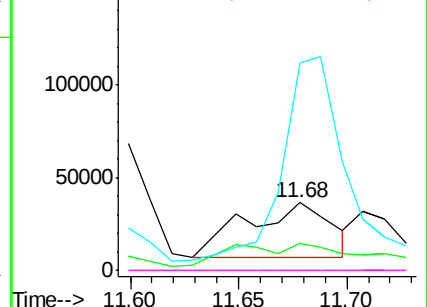
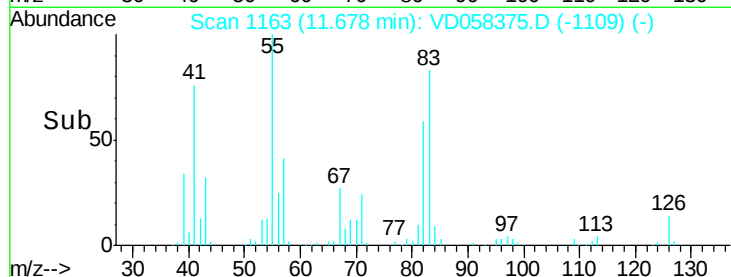


Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 5.478 ug/l

RT: 12.09 min Scan# 1205

Delta R.T. 0.02 min

Lab File: VD058375.D

Acq: 24 Jun 2018 16:50

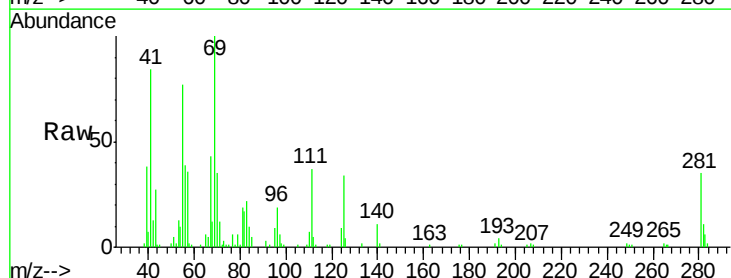
Tgt Ion: 83 Resp: 26008

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.3#

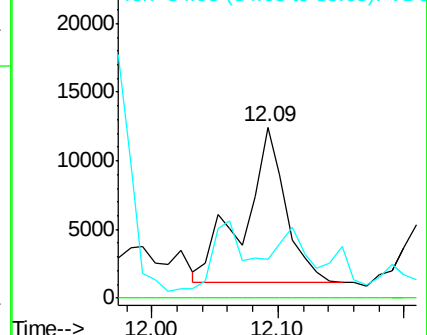
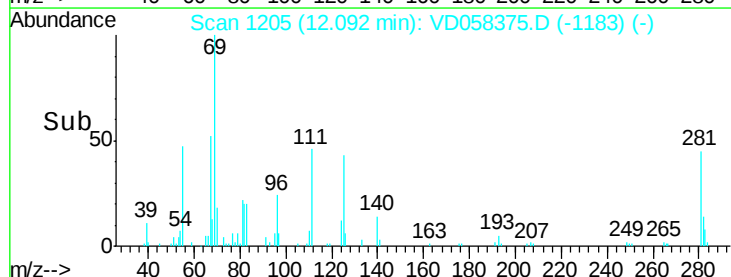
85 22.6 33.1 99.5#

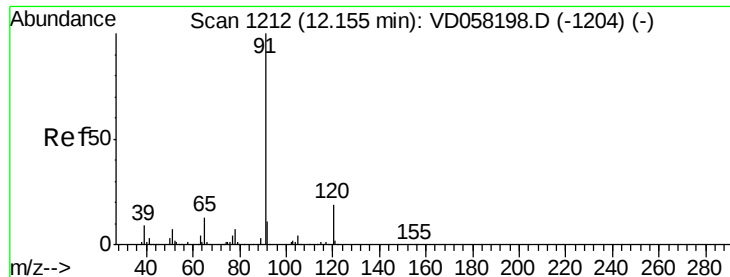


Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC





#78

n-propylbenzene

Concen: 16.152 ug/l

RT: 12.16 min Scan# 1212

Delta R.T. 0.01 min

Lab File: VD058375.D

Acq: 24 Jun 2018 16:50

Instrument :

MSVOA_D

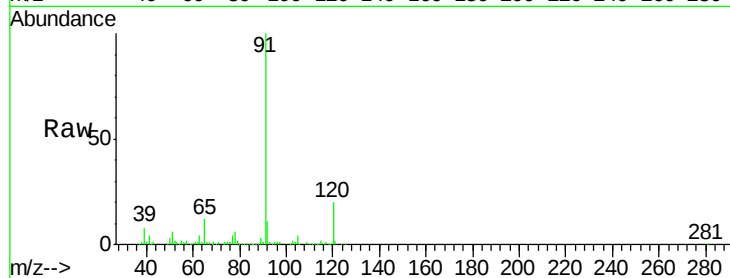
ClientSampleId :

Tot Ion: 91 Resp: 425563

Ion Ratio Lower Upper

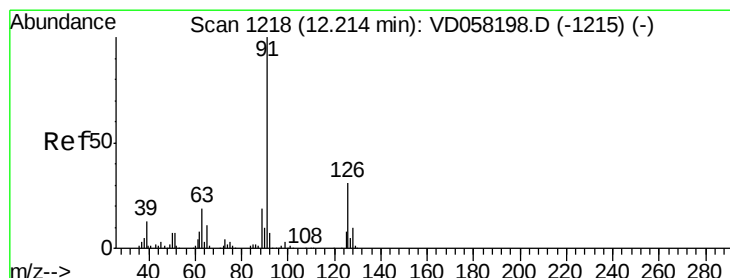
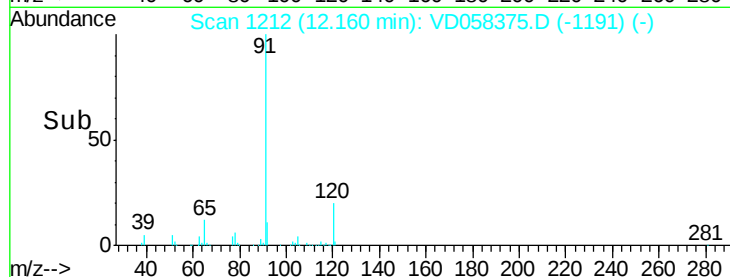
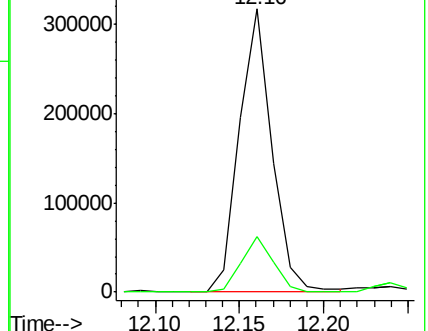
91 100

120 19.8 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V



#79

2-Chlorotoluene

Concen: 28.227 ug/l

RT: 12.16 min Scan# 1212

Delta R.T. -0.05 min

Lab File: VD058375.D

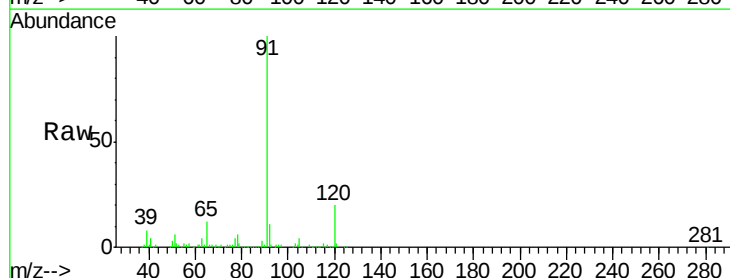
Acq: 24 Jun 2018 16:50

Tgt Ion: 91 Resp: 425563

Ion Ratio Lower Upper

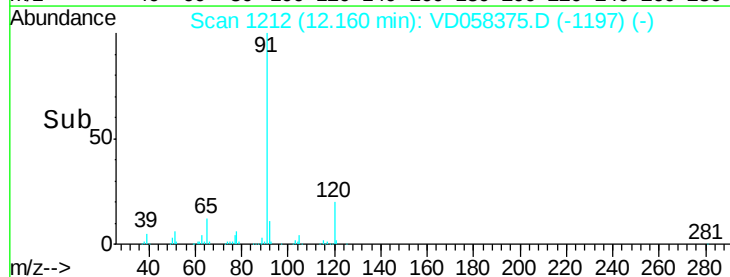
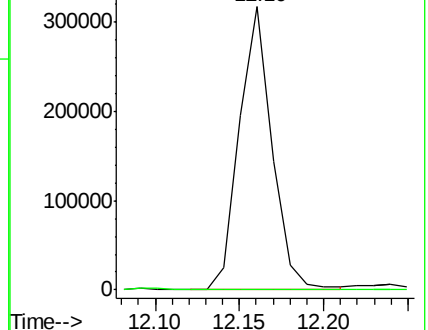
91 100

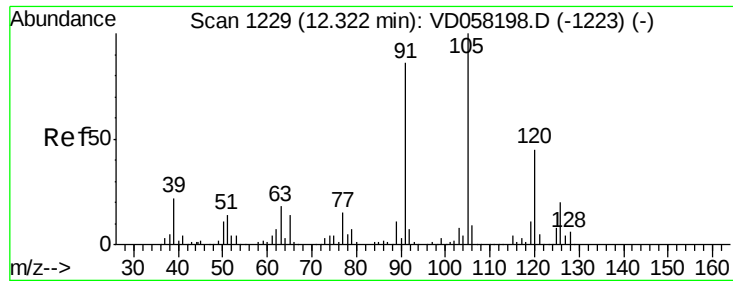
126 0.0 14.9 44.5#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

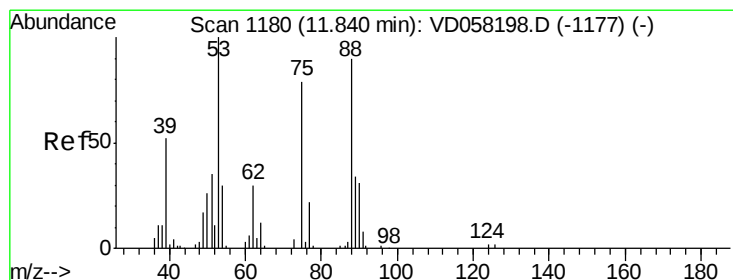
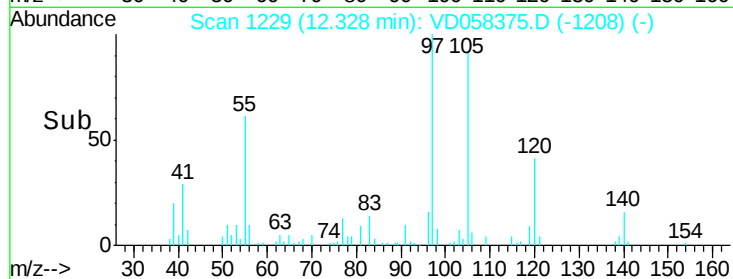
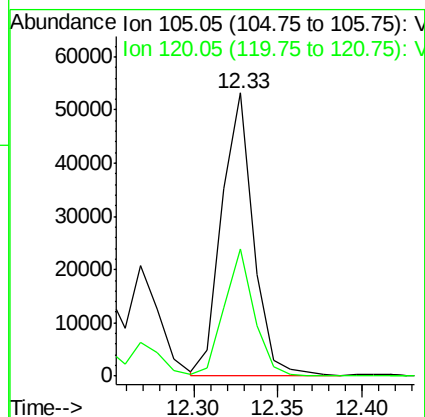
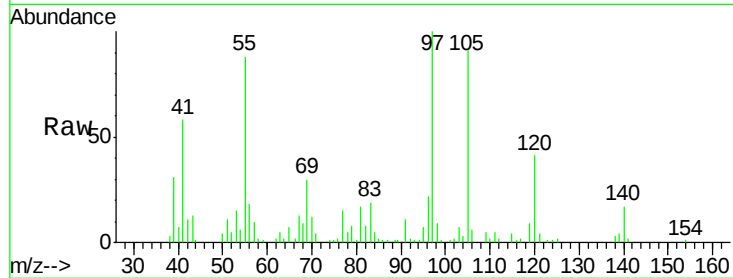




#80
 1,3,5-Trimethylbenzene
 Concen: 4.372 ug/l
 RT: 12.33 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VD058375.D
 Acq: 24 Jun 2018 16:50

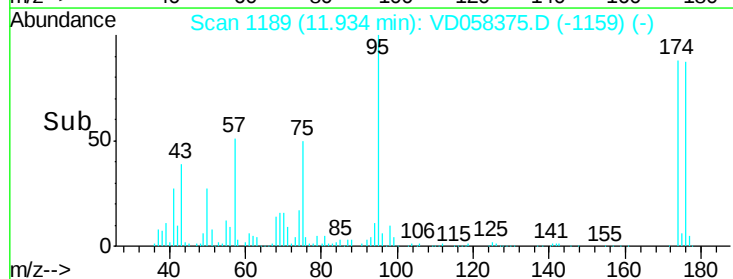
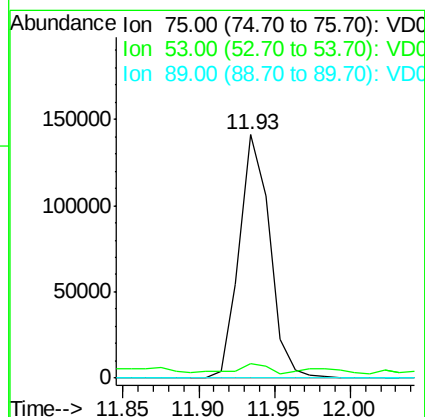
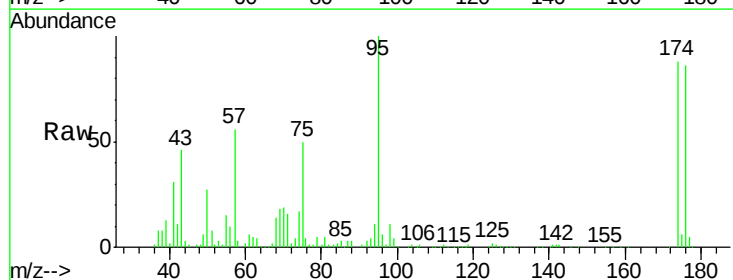
Instrument :
 MSVOA_D
 ClientSampled :

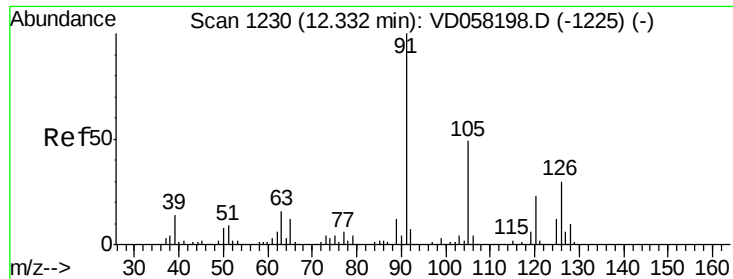
Tot Ion:105 Resp: 69571
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.5 67.5



#81
 trans-1,4-Dichloro-2-butene
 Concen: 163.071 ug/l
 RT: 11.93 min Scan# 1189
 Delta R.T. 0.09 min
 Lab File: VD058375.D
 Acq: 24 Jun 2018 16:50

Tgt Ion: 75 Resp: 198062
 Ion Ratio Lower Upper
 75 100
 53 5.9 100.8 151.2#
 89 0.0 34.6 52.0#





#82

4-Chlorotoluene

Concen: Below Cal

RT: 12.33 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VD058375.D

Acq: 24 Jun 2018 16:50

Instrument :

MSVOA_D

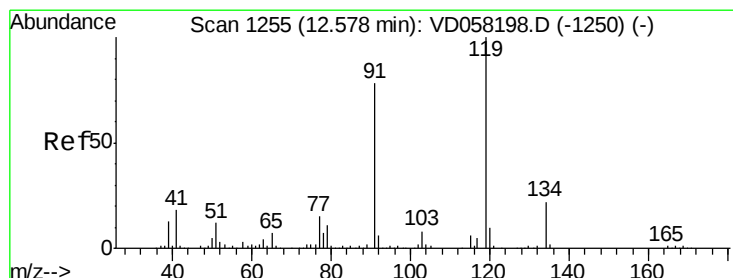
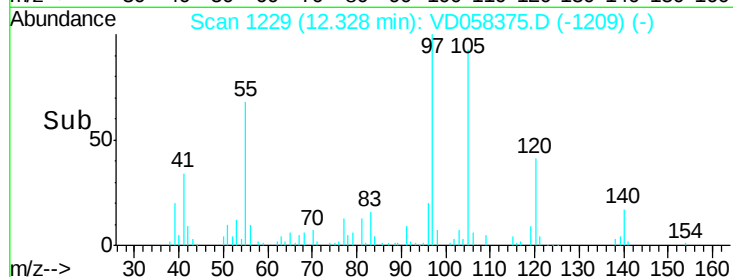
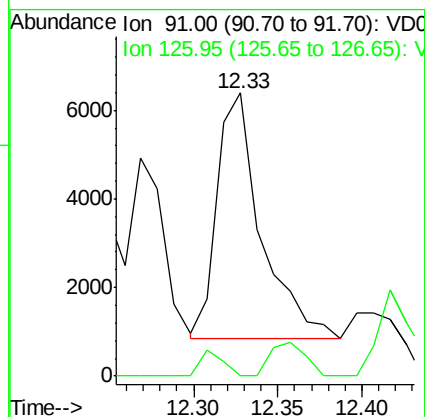
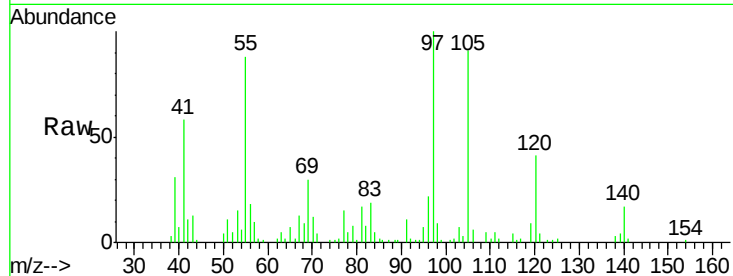
ClientSampleId :

Tot Ion: 91 Resp: 10032

Ion Ratio Lower Upper

91 100

126 0.0 14.9 44.9#



#83

tert-Butylbenzene

Concen: 9.617 ug/l

RT: 12.58 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD058375.D

Acq: 24 Jun 2018 16:50

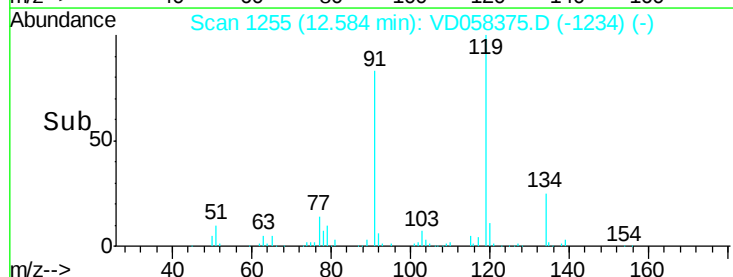
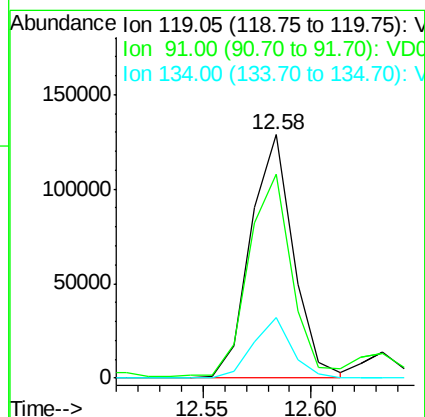
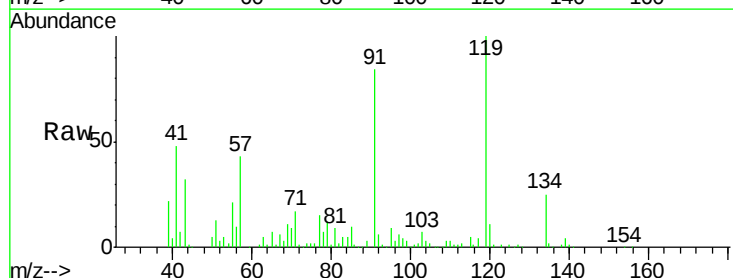
Tgt Ion: 119 Resp: 175935

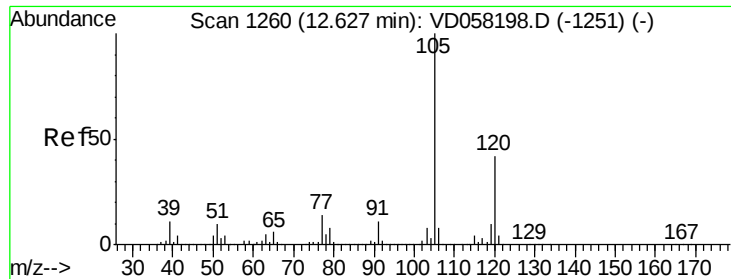
Ion Ratio Lower Upper

119 100

91 83.6 38.9 116.6

134 24.7 11.2 33.5

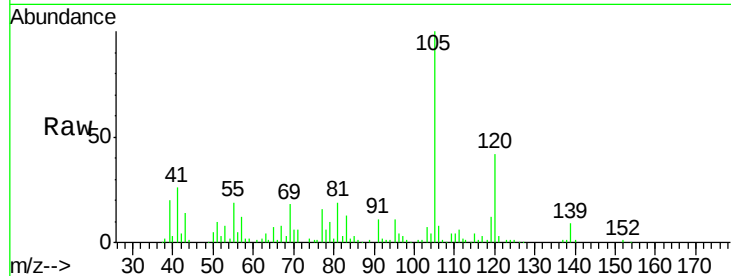




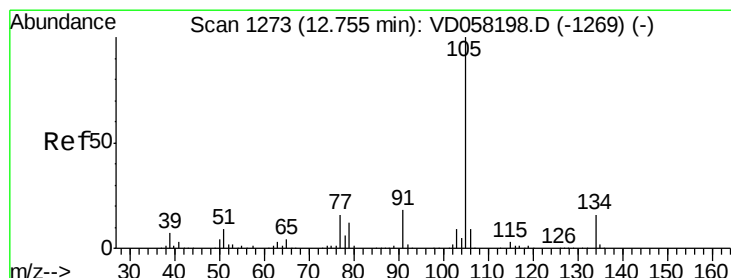
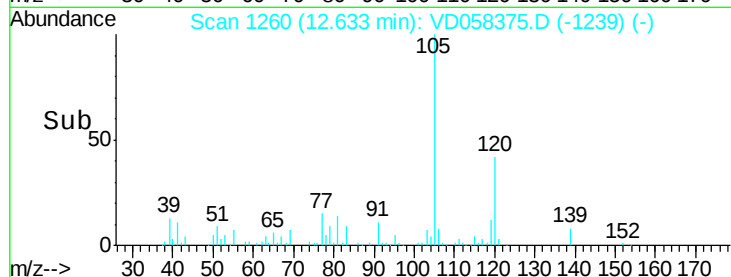
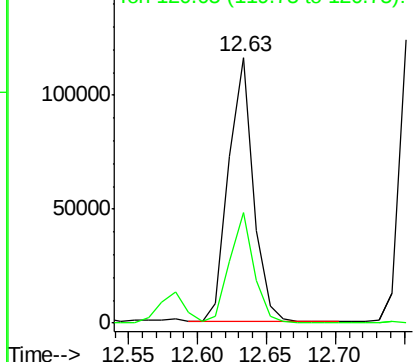
#84
 1,2,4-Trimethylbenzene
 Concen: 8.395 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. 0.01 min
 Lab File: VD058375.D
 Acq: 24 Jun 2018 16:50

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:105 Resp: 145205
 Ion Ratio Lower Upper
 105 100
 120 41.7 20.8 62.4

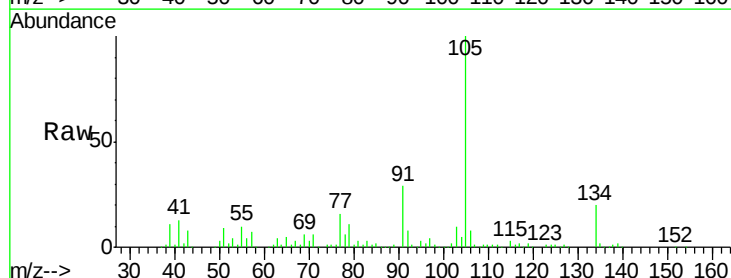


Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V

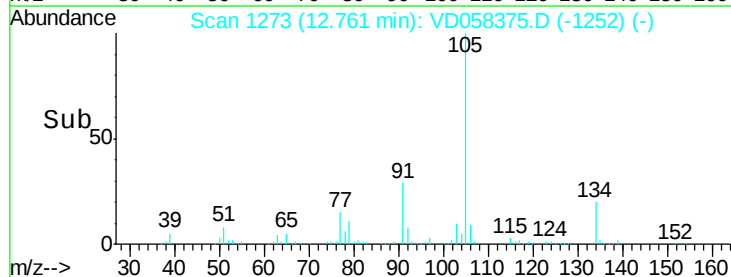
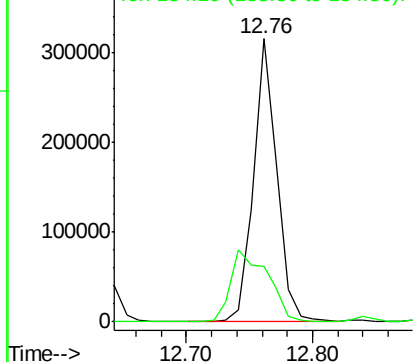


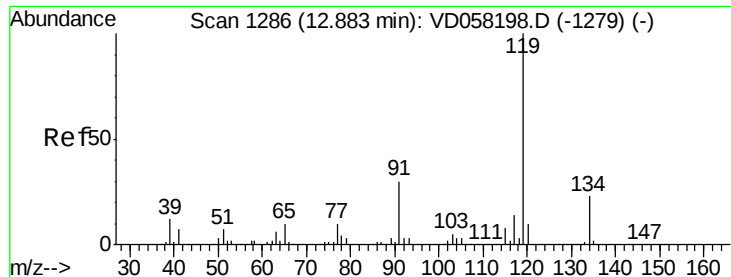
#85
 sec-Butylbenzene
 Concen: 18.783 ug/l
 RT: 12.76 min Scan# 1273
 Delta R.T. 0.01 min
 Lab File: VD058375.D
 Acq: 24 Jun 2018 16:50

Tgt Ion:105 Resp: 402787
 Ion Ratio Lower Upper
 105 100
 134 19.6 8.1 24.3



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 134.10 (133.80 to 134.80): V

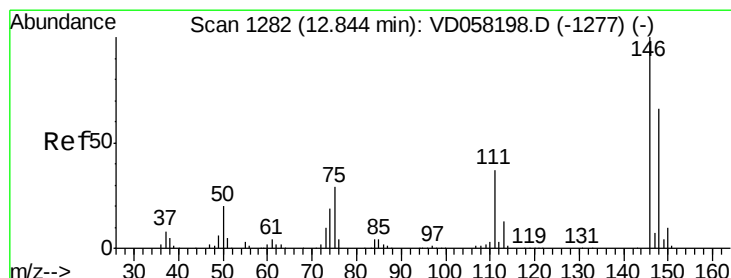
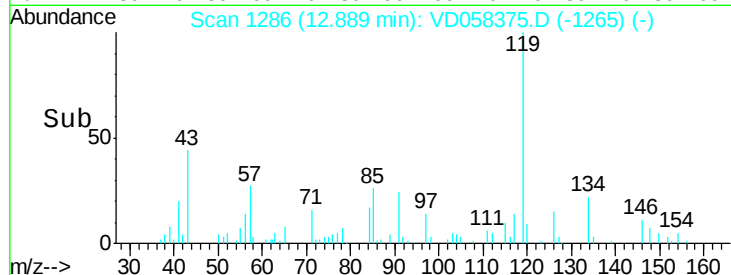
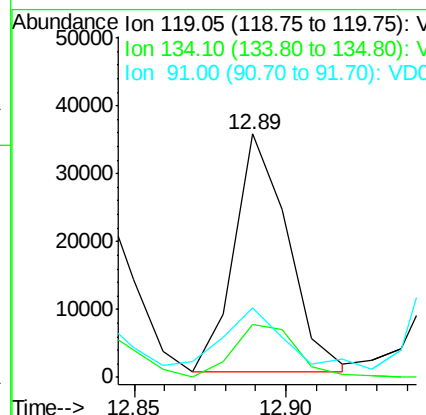
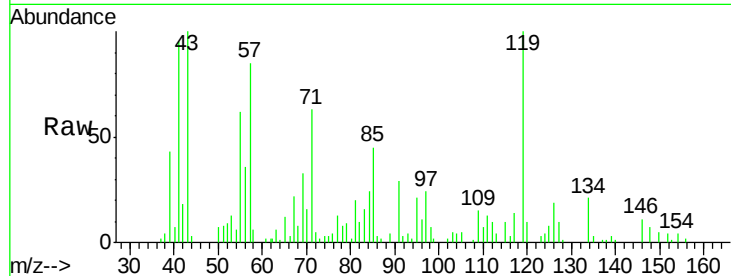




#86
 p-Isopropyltoluene
 Concen: 2.508 ug/l
 RT: 12.89 min Scan# 1286
 Delta R.T. 0.01 min
 Lab File: VD058375.D
 Acq: 24 Jun 2018 16:50

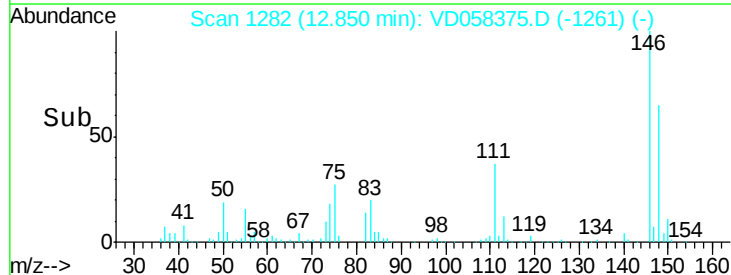
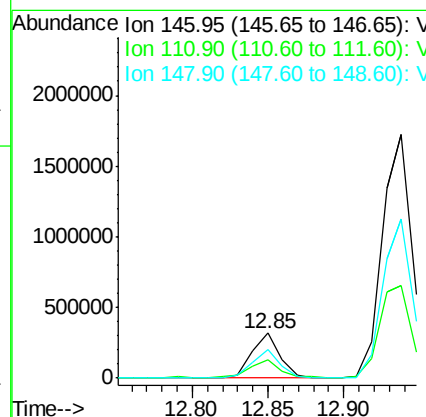
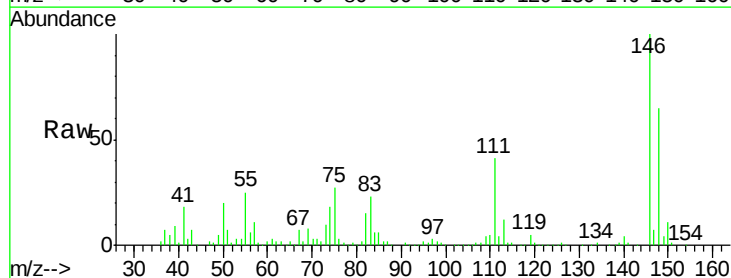
Instrument :
 MSVOA_D
 ClientSampleID :

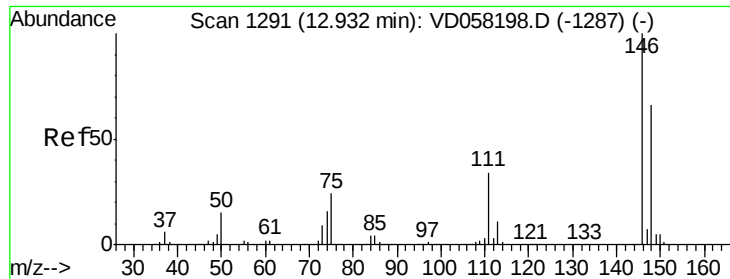
Tot Ion:119 Resp: 43590
 Ion Ratio Lower Upper
 119 100
 134 21.5 11.6 34.8
 91 28.6 15.0 45.1



#87
 1,3-Dichlorobenzene
 Concen: 38.862 ug/l
 RT: 12.85 min Scan# 1282
 Delta R.T. 0.01 min
 Lab File: VD058375.D
 Acq: 24 Jun 2018 16:50

Tgt Ion:146 Resp: 412657
 Ion Ratio Lower Upper
 146 100
 111 41.4 18.4 55.0
 148 65.0 32.8 98.4





#88

1,4-Dichlorobenzene

Concen: 233.404 ug/l

RT: 12.94 min Scan# 1291

Delta R.T. 0.01 min

Lab File: VD058375.D

Acq: 24 Jun 2018 16:50

Instrument :

MSVOA_D

ClientSampleId :

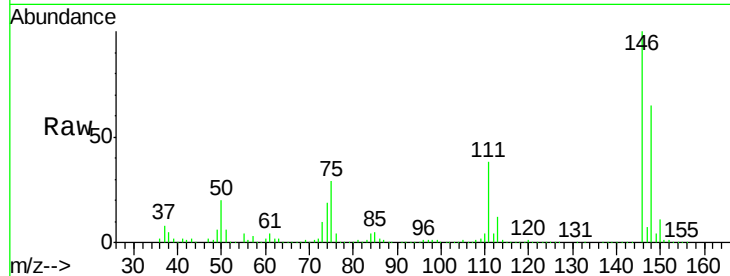
Tot Ion:146 Resp: 2420221

Ion Ratio Lower Upper

146 100

111 38.0 17.2 51.5

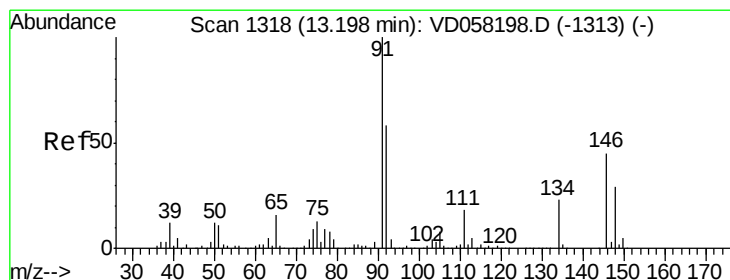
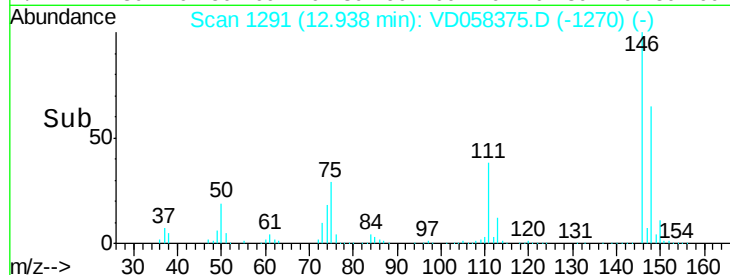
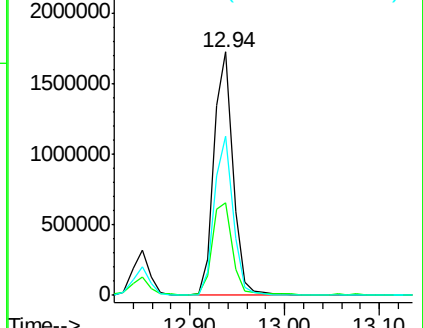
148 65.2 33.1 99.3



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: 9.464 ug/l

RT: 13.19 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD058375.D

Acq: 24 Jun 2018 16:50

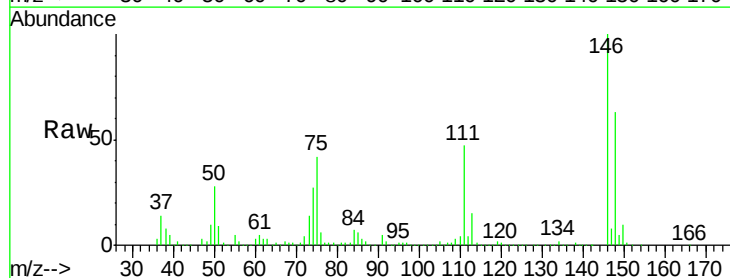
Tgt Ion: 91 Resp: 172851

Ion Ratio Lower Upper

91 100

92 49.0 29.2 87.6

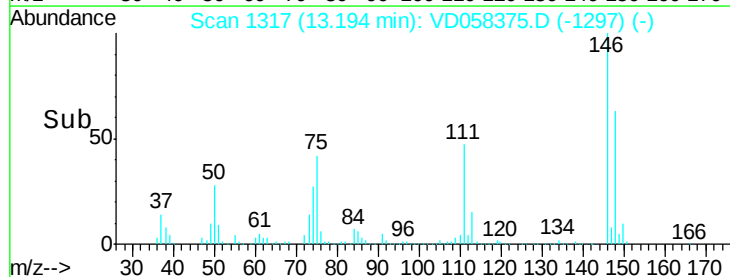
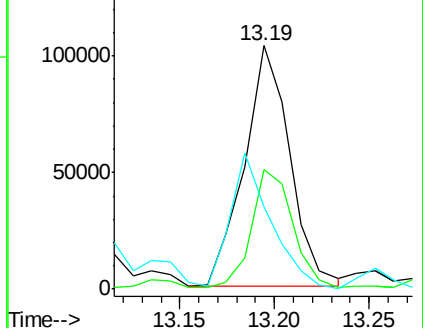
134 34.1 11.3 33.8#

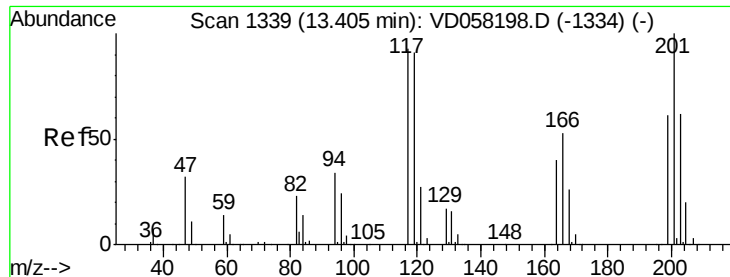


Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): V





#90

Hexachloroethane

Concen: 1.399 ug/l

RT: 13.38 min Scan# 1336

Delta R.T. -0.02 min

Lab File: VD058375.D

Acq: 24 Jun 2018 16:50

Instrument :

MSVOA_D

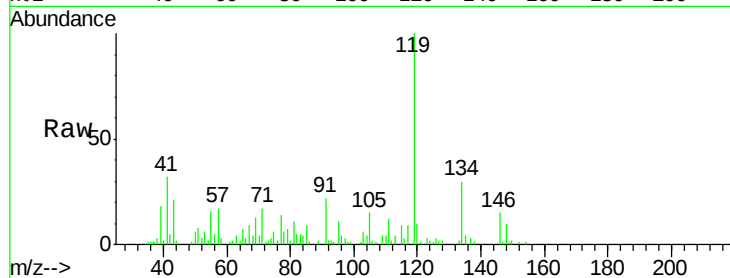
ClientSampleId :

Tot Ion:117 Resp: 6311

Ion Ratio Lower Upper

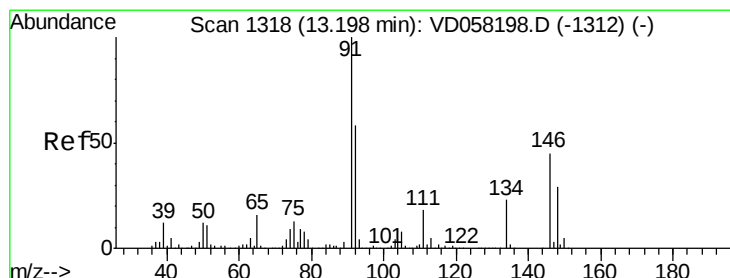
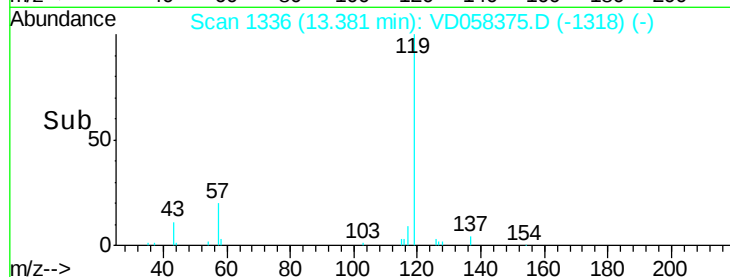
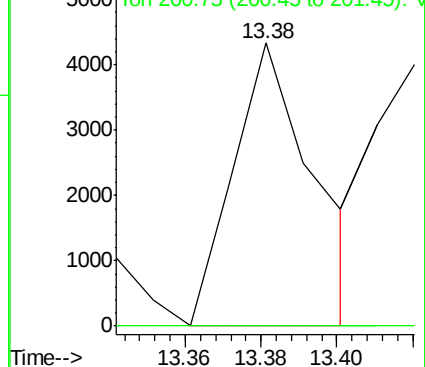
117 100

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: 695.754 ug/l

RT: 13.21 min Scan# 1319

Delta R.T. 0.02 min

Lab File: VD058375.D

Acq: 24 Jun 2018 16:50

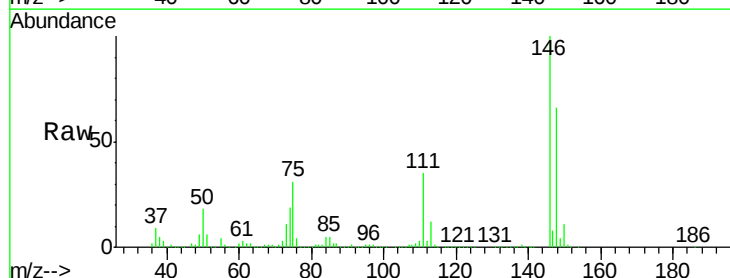
Tgt Ion:146 Resp: 6287083

Ion Ratio Lower Upper

146 100

111 35.3 19.6 58.7

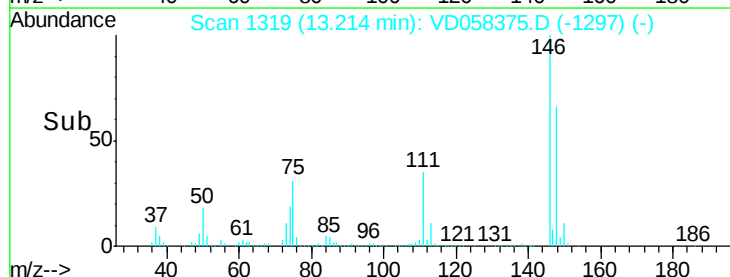
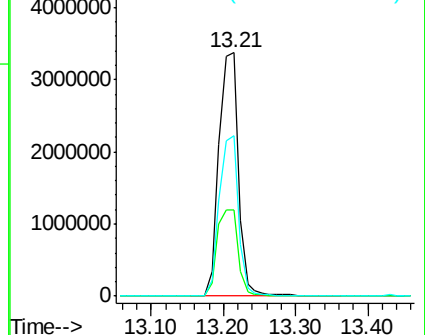
148 66.0 32.0 96.2

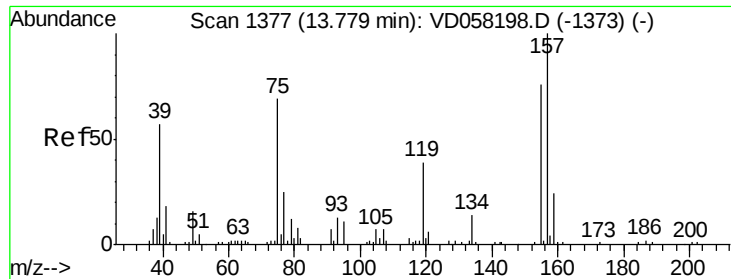


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

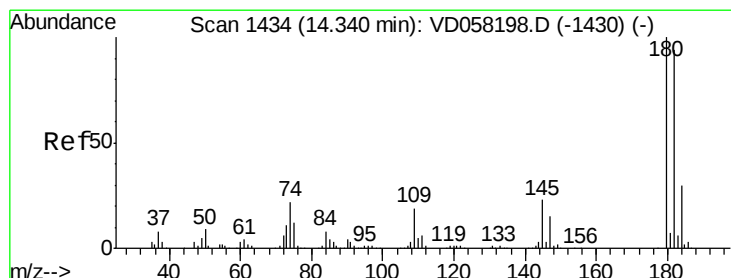
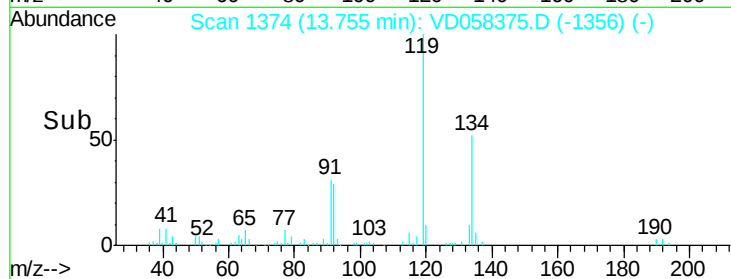
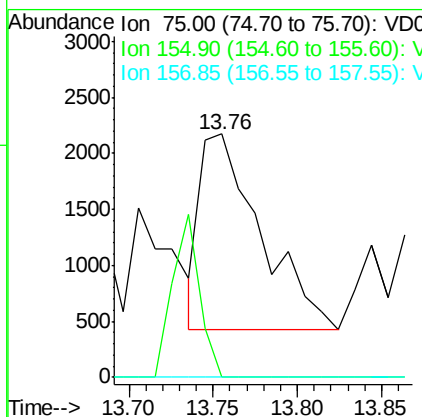
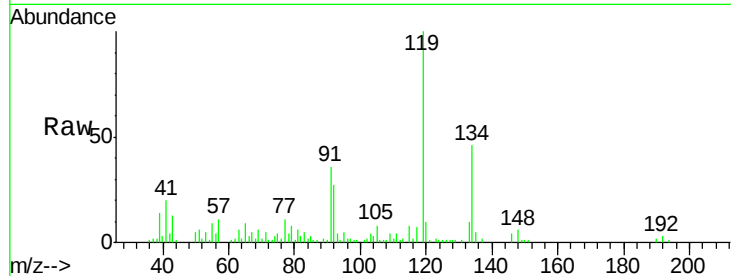




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.793 ug/l
 RT: 13.76 min Scan# 1374
 Delta R.T. -0.02 min
 Lab File: VD058375.D
 Acq: 24 Jun 2018 16:50

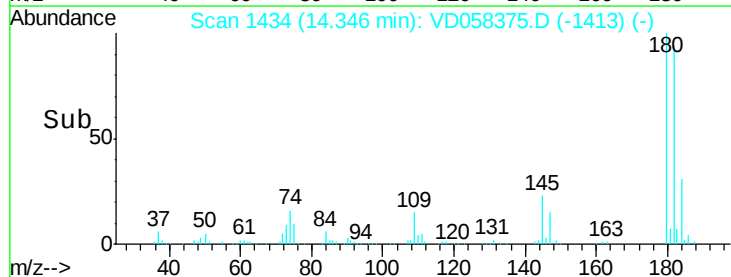
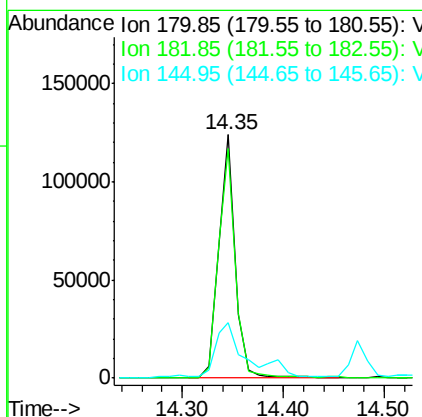
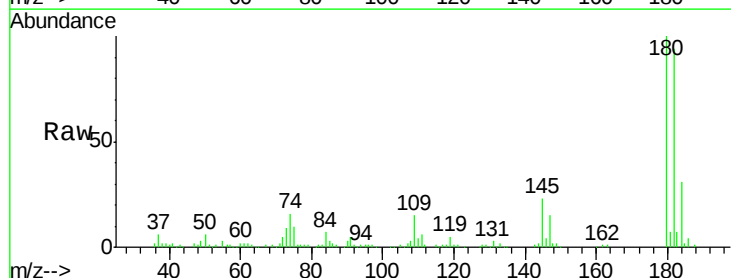
Instrument :
 MSVOA_D
 ClientSampled :

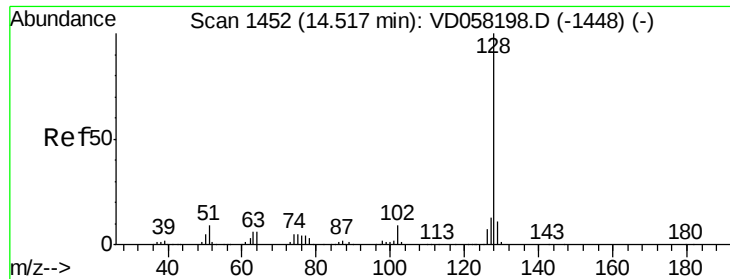
Tot Ion: 75 Resp: 4377
 Ion Ratio Lower Upper
 75 100
 155 0.0 54.5 163.5#
 157 0.0 72.0 215.9#



#93
 1,2,4-Trichlorobenzene
 Concen: 16.606 ug/l
 RT: 14.35 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VD058375.D
 Acq: 24 Jun 2018 16:50

Tgt Ion:180 Resp: 143522
 Ion Ratio Lower Upper
 180 100
 182 94.2 47.1 141.3
 145 22.9 11.7 35.0





#95

Naphthalene

Concen: 7.779 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. 0.01 min

Lab File: VD058375.D

Acq: 24 Jun 2018 16:50

Instrument :

MSVOA_D

ClientSampleId :

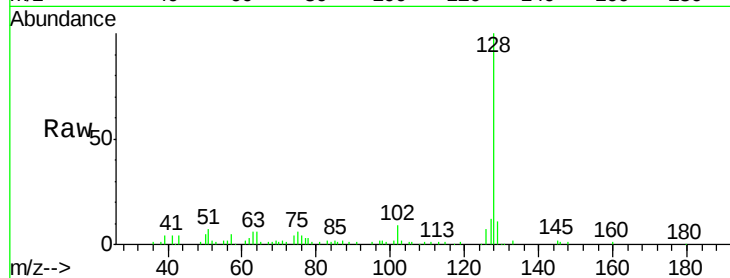
Tot Ion:128 Resp: 88563

Ion Ratio Lower Upper

128 100

127 11.9 10.0 15.0

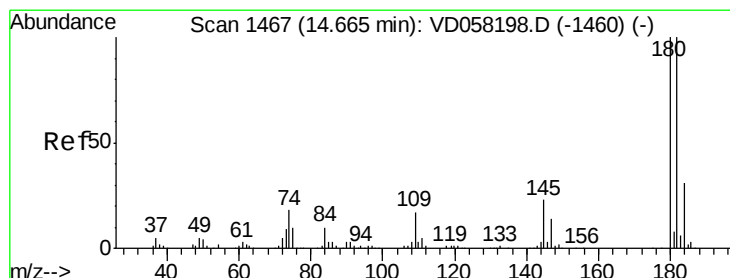
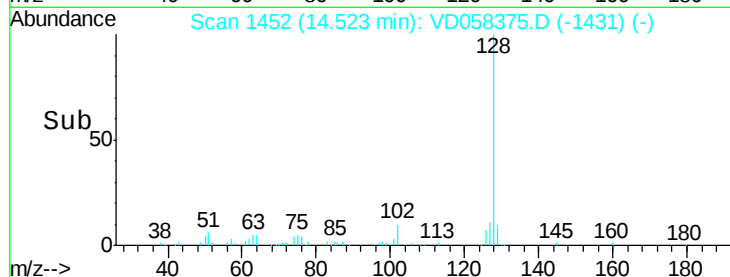
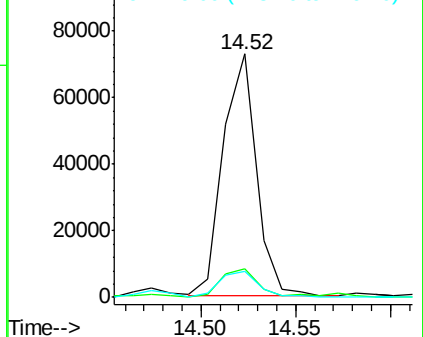
129 10.6 8.7 13.1



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: 2.629 ug/l

RT: 14.66 min Scan# 1466

Delta R.T. -0.00 min

Lab File: VD058375.D

Acq: 24 Jun 2018 16:50

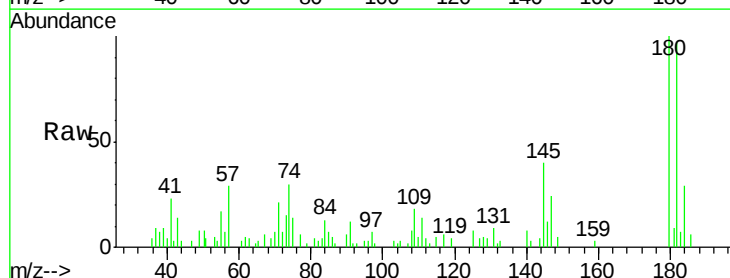
Tgt Ion:180 Resp: 19893

Ion Ratio Lower Upper

180 100

182 96.5 49.9 149.6

145 39.9 11.7 35.1#



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

