

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
 Data File : VD058210.D
 Acq On : 20 Jun 2018 15:20
 Operator : VA/AP
 Sample : J3249-07RE
 Misc : 6.98g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PL-01-061818-DRE

Quant Time: Jun 21 01:45:41 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	6282	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.69	114	10206	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	8956	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	5121	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	6112	96.32	ug/l	0.00
Spiked Amount			Recovery	=	192.64%	
35) Dibromofluoromethane	5.55	113	3602	43.36	ug/l	0.00
Spiked Amount			Recovery	=	86.72%	
50) Toluene-d8	8.71	98	9339	46.47	ug/l	0.00
Spiked Amount			Recovery	=	92.94%	
62) 4-Bromofluorobenzene	11.94	95	4951	60.31	ug/l	0.00
Spiked Amount			Recovery	=	120.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.48	50	506	15.446	ug/l #	43
5) Bromomethane	1.83	94	1387	Below Cal		91
10) Methyl Iodide	2.72	142	737	22.588	ug/l #	28
14) Allyl chloride	2.87	41	1045	20.803	ug/l #	10
16) Acetone	2.60	43	7245	834.901	ug/l	95
18) Methyl Acetate	2.92	43	1089	58.844	ug/l #	65
20) Methylene Chloride	3.08	84	235	6.199	ug/l #	1
25) 2-Butanone	4.87	43	254	13.430	ug/l #	60
29) Tetrahydrofuran	4.74	42	182	18.079	ug/l #	37
37) Ethyl Acetate	4.87	43	254	4.415	ug/l #	72
38) Carbon Tetrachloride	5.65	117	267	2.662	ug/l #	11
43) Isopropyl Acetate	7.78	43	504	6.572	ug/l #	48
48) Methyl methacrylate	7.35	41	190	4.076	ug/l #	18
51) 4-Methyl-2-Pentanone	8.61	43	727	14.533	ug/l #	41
59) 2-Hexanone	9.90	43	208	5.754	ug/l #	32
67) Ethyl Benzene	10.85	91	499	1.687	ug/l #	47
68) m/p-Xylenes	11.01	106	367	3.721	ug/l #	54
70) Styrene	11.44	104	184	1.145	ug/l #	28
74) N-amyl acetate	11.74	43	243	2.052	ug/l #	53
78) n-propylbenzene	12.15	91	1214	3.069	ug/l #	57
79) 2-Chlorotoluene	12.23	91	304	1.343	ug/l #	45
80) 1,3,5-Trimethylbenzene	12.32	105	1924	8.053	ug/l	71
81) trans-1,4-Dichloro-2-buten	11.93	75	1775	97.338	ug/l #	1
82) 4-Chlorotoluene	12.33	91	764	Below Cal	#	45
83) tert-Butylbenzene	12.63	119	1042	3.794	ug/l #	89
84) 1,2,4-Trimethylbenzene	12.63	105	9594	36.942	ug/l	94
85) sec-Butylbenzene	12.75	105	1323	4.109	ug/l #	62
86) p-Isopropyltoluene	12.88	119	863	3.308	ug/l #	50
87) 1,3-Dichlorobenzene	12.84	146	194	1.217	ug/l #	6
88) 1,4-Dichlorobenzene	12.93	146	584	3.751	ug/l #	83
89) n-Butylbenzene	13.20	91	3986	14.536	ug/l	96
90) Hexachloroethane	13.49	117	2294	33.875	ug/l #	1
91) 1,2-Dichlorobenzene	13.20	146	670	4.938	ug/l #	76
93) 1,2,4-Trichlorobenzene	14.34	180	863	6.651	ug/l #	69

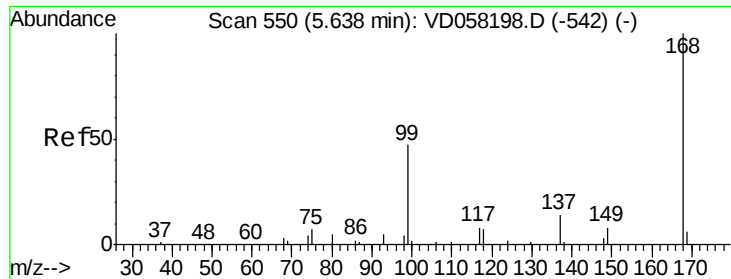
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
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Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	14.52	128	3641	21.302	ug/l #	77
96) 1,2,3-Trichlorobenzene	14.66	180	698	6.145	ug/l #	70

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 552

Delta R.T. 0.02 min

Lab File: VD058210.D

Acq: 20 Jun 2018 15:20

Instrument :

MSVOA_D

ClientSampleId :

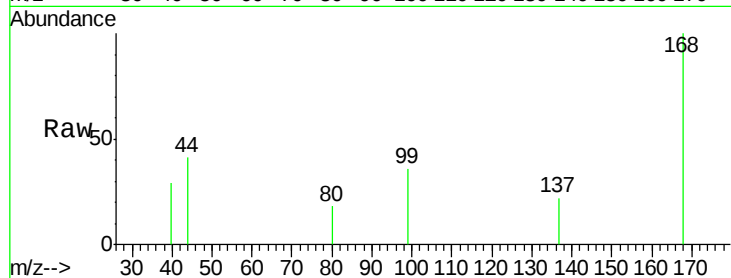
PL-01-061818-DRE

Tot Ion:168 Resp: 6282

Ion Ratio Lower Upper

168 100

99 36.0 41.1 61.7#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.66

2500

2000

1500

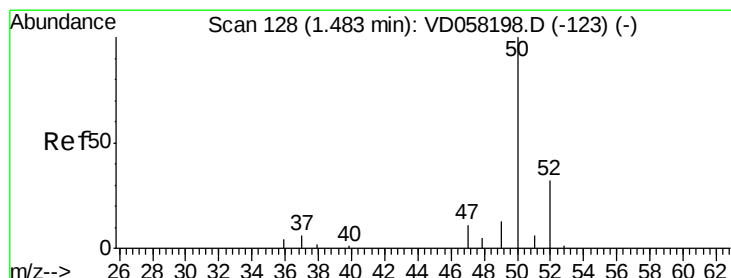
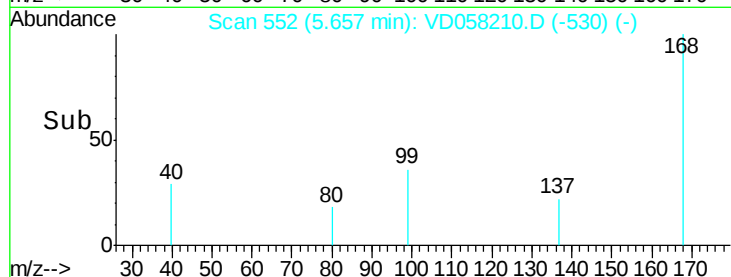
1000

500

0

Time-->

5.55 5.60 5.65 5.70 5.75



#3

Chloromethane

Concen: 15.446 ug/l

RT: 1.48 min Scan# 128

Delta R.T. -0.00 min

Lab File: VD058210.D

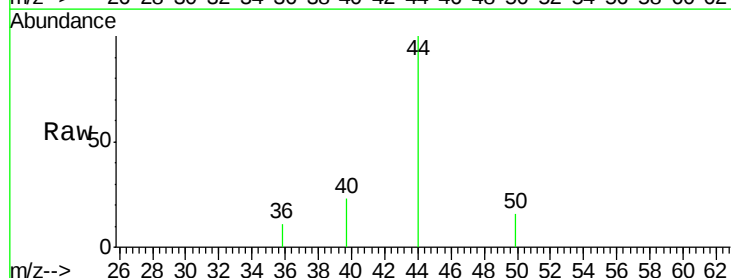
Acq: 20 Jun 2018 15:20

Tgt Ion: 50 Resp: 506

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

1.48

500

400

300

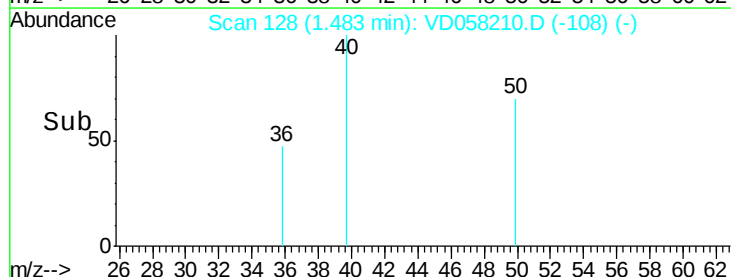
200

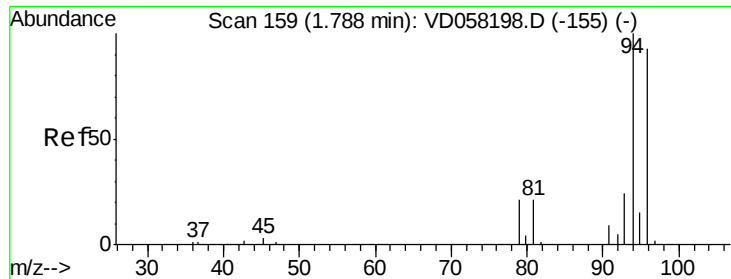
100

0

Time-->

1.45 1.50





#5

Bromomethane

Concen: Below Cal

RT: 1.83 min Scan# 163

Delta R.T. 0.04 min

Lab File: VD058210.D

Acq: 20 Jun 2018 15:20

Instrument :

MSVOA_D

ClientSampleId :

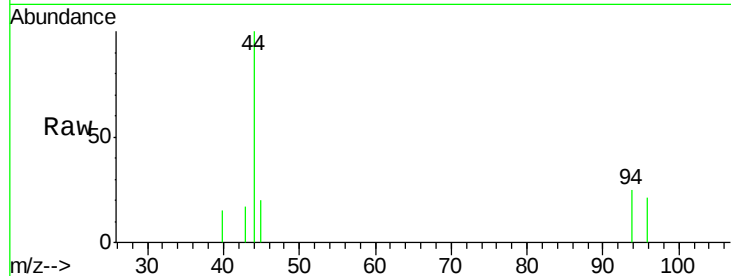
PL-01-061818-DRE

Tot Ion: 94 Resp: 1387

Ion Ratio Lower Upper

94 100

96 83.8 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

1.83

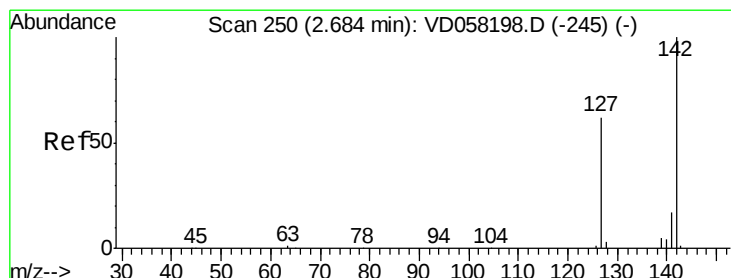
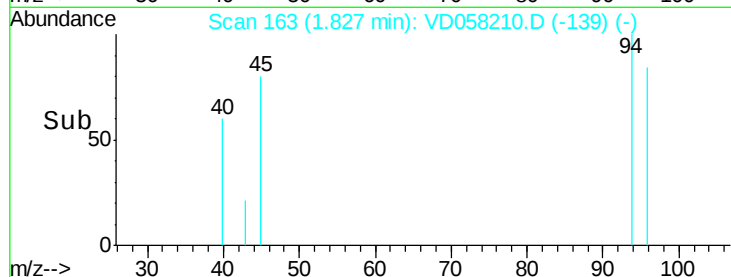
600

400

200

0

Time-->



#10

Methyl Iodide

Concen: 22.588 ug/l

RT: 2.72 min Scan# 254

Delta R.T. 0.04 min

Lab File: VD058210.D

Acq: 20 Jun 2018 15:20

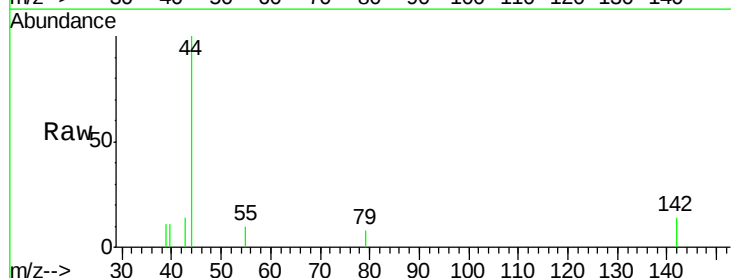
Tgt Ion: 142 Resp: 737

Ion Ratio Lower Upper

142 100

127 0.0 49.4 74.0#

141 0.0 13.5 20.3#



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

2.72

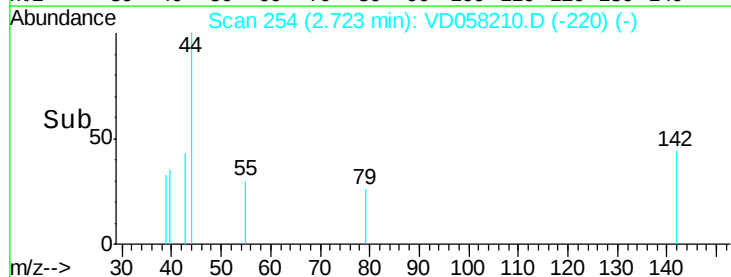
600

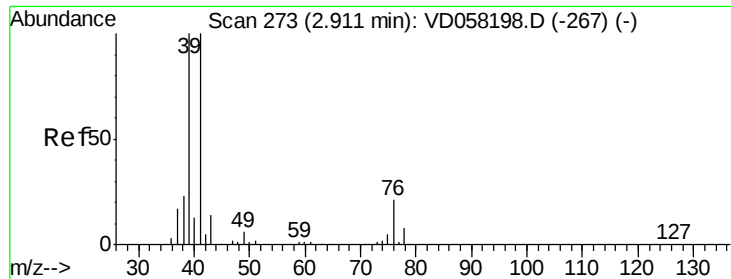
400

200

0

Time-->

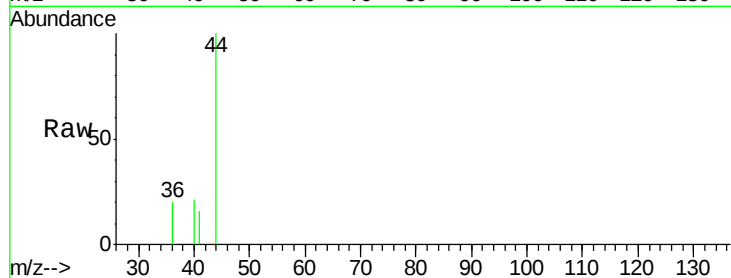




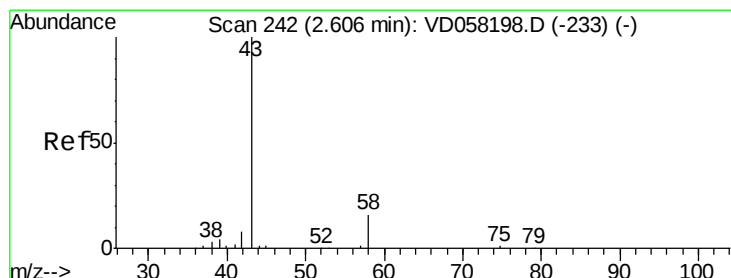
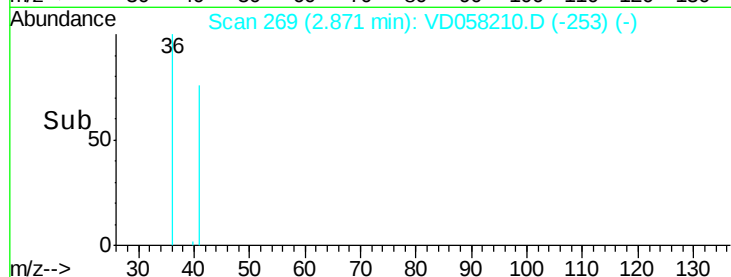
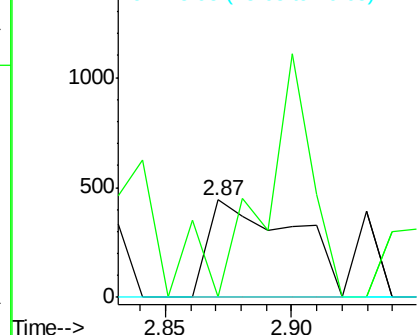
#14
Allvl chloride
Concen: 20.803 ug/l
RT: 2.87 min Scan# 269
Delta R.T. -0.04 min
Lab File: VD058210.D
Acq: 20 Jun 2018 15:20

Instrument :
MSVOA_D
ClientSampleId :
PL-01-061818-DRE

Tot Ion: 41 Resp: 1045
Ion Ratio Lower Upper
41 100
39 0.0 80.1 120.1#
76 0.0 19.4 29.2#

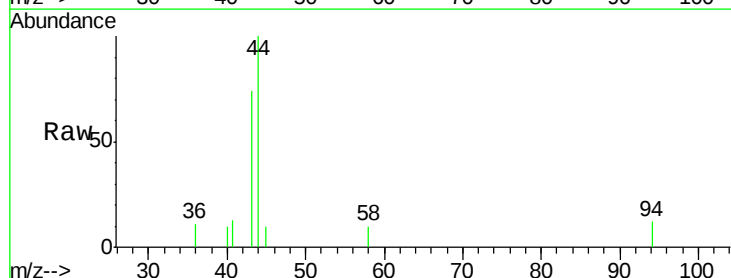


Abundance Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 75.95 (75.65 to 76.65): VDC

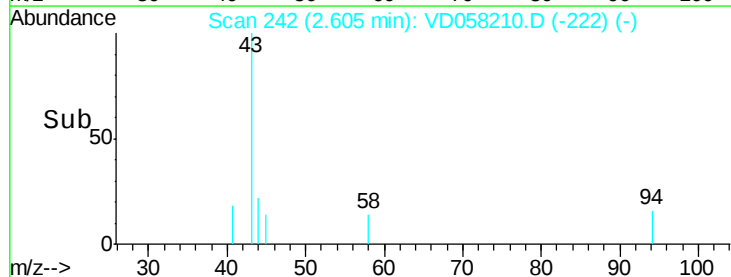
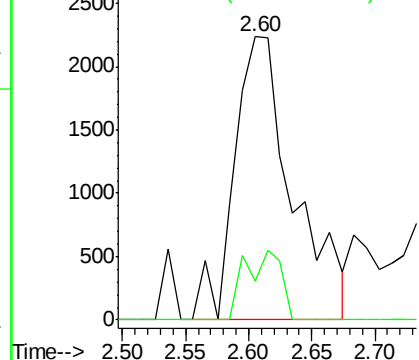


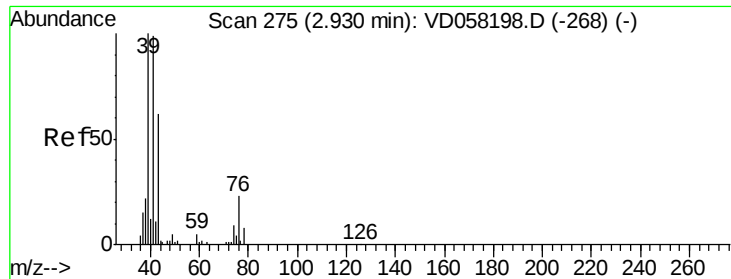
#16
Acetone
Concen: 834.901 ug/l
RT: 2.60 min Scan# 242
Delta R.T. -0.00 min
Lab File: VD058210.D
Acq: 20 Jun 2018 15:20

Tgt Ion: 43 Resp: 7245
Ion Ratio Lower Upper
43 100
58 13.7 12.7 19.1



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

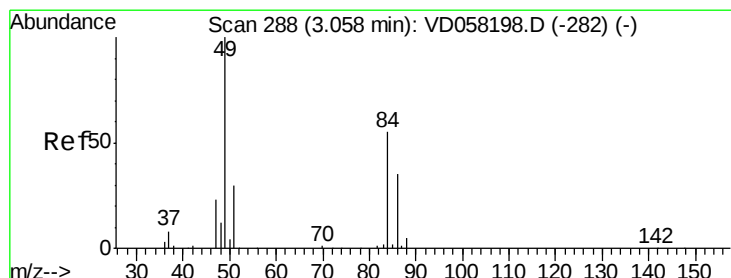
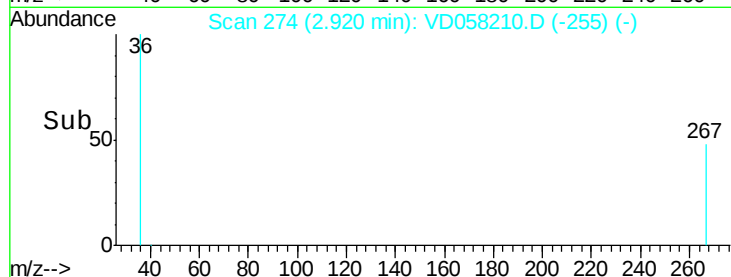
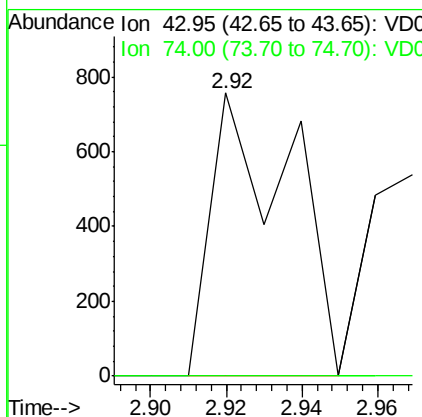
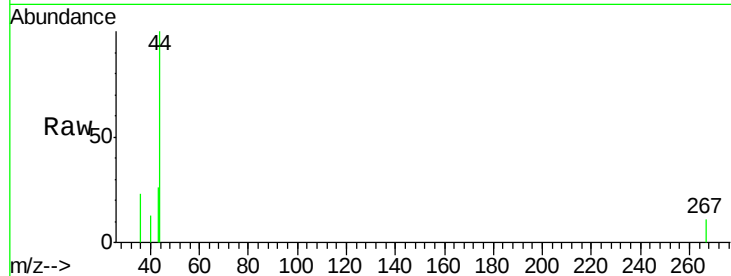




#18
Methvl Acetate
Concen: 58.844 ug/l
RT: 2.92 min Scan# 274
Delta R.T. -0.01 min
Lab File: VD058210.D
Acq: 20 Jun 2018 15:20

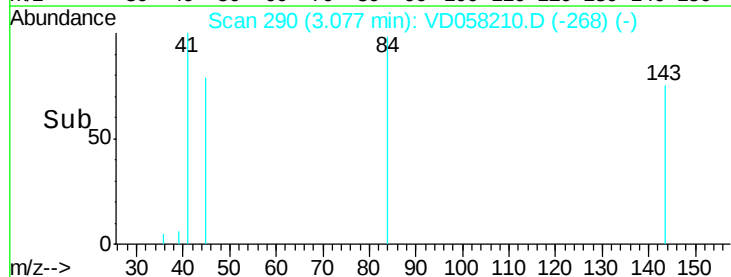
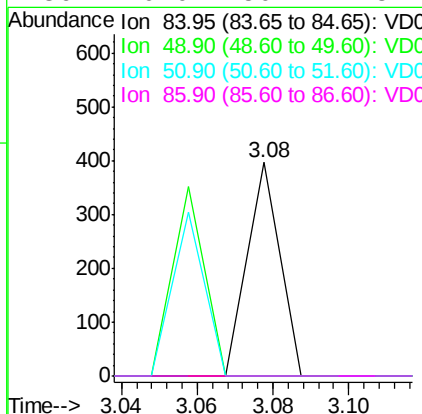
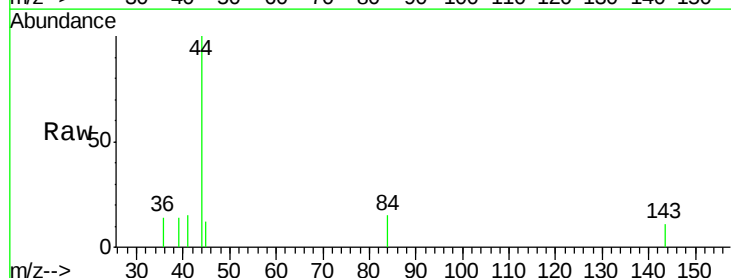
Instrument :
MSVOA_D
ClientSampleId :
PL-01-061818-DRE

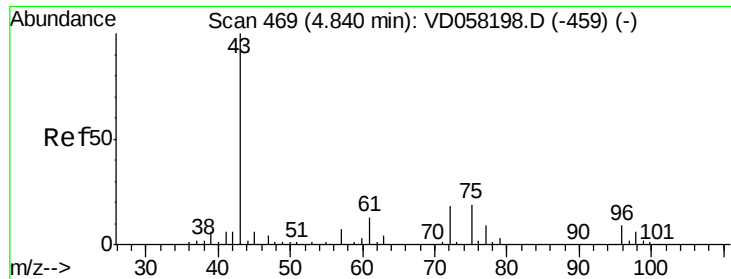
Tot Ion: 43 Resp: 1089
Ion Ratio Lower Upper
43 100
74 0.0 11.7 17.5#



#20
Methylene Chloride
Concen: 6.199 ug/l
RT: 3.08 min Scan# 290
Delta R.T. 0.02 min
Lab File: VD058210.D
Acq: 20 Jun 2018 15:20

Tgt Ion: 84 Resp: 235
Ion Ratio Lower Upper
84 100
49 0.0 145.0 217.6#
51 0.0 42.9 64.3#
86 0.0 50.1 75.1#





#25

2-Butanone

Concen: 13.430 ug/l

RT: 4.87 min Scan# 472

Delta R.T. 0.03 min

Lab File: VD058210.D

Acq: 20 Jun 2018 15:20

Instrument :

MSVOA_D

ClientSampleId :

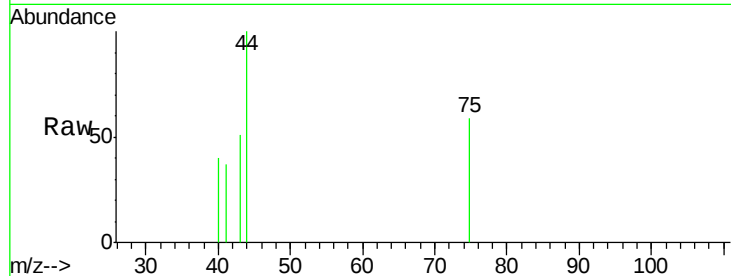
PL-01-061818-DRE

Tot Ion: 43 Resp: 254

Ion Ratio Lower Upper

43 100

72 0.0 14.1 21.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

4.87

400

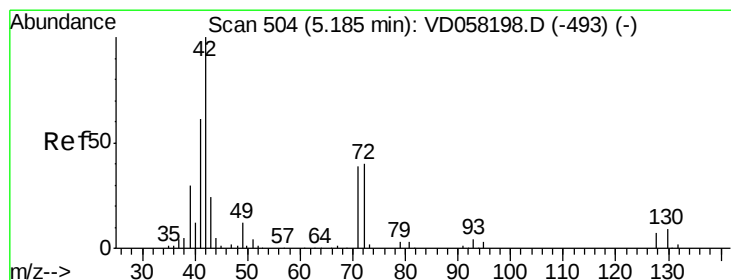
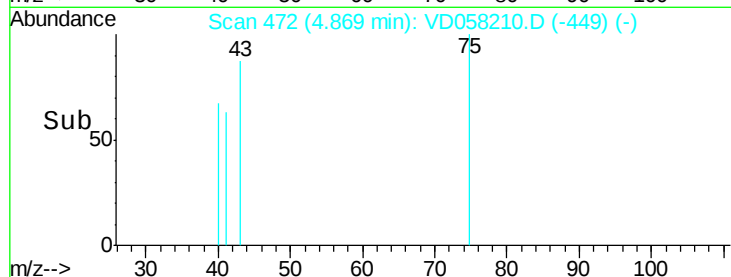
300

200

100

0

Time-->



#29

Tetrahydrofuran

Concen: 18.079 ug/l

RT: 4.74 min Scan# 459

Delta R.T. -0.44 min

Lab File: VD058210.D

Acq: 20 Jun 2018 15:20

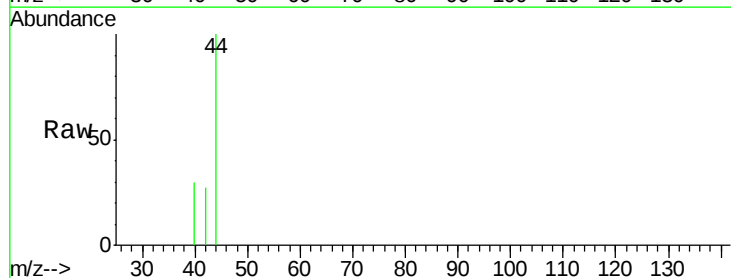
Tgt Ion: 42 Resp: 182

Ion Ratio Lower Upper

42 100

72 0.0 30.2 45.2#

71 0.0 30.1 45.1#



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

4.74

400

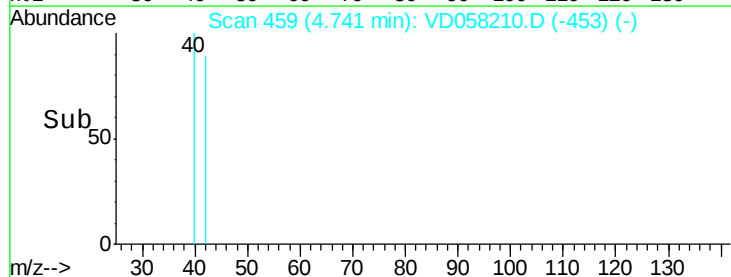
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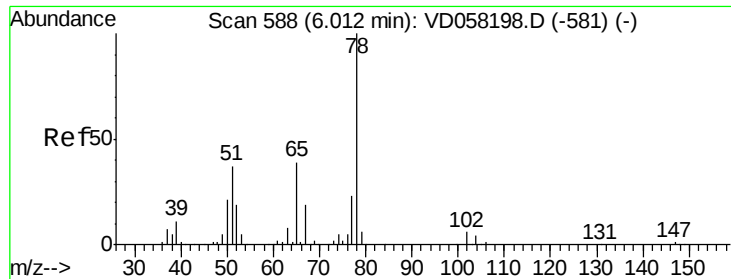
200

100

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.01 min Scan# 588

Delta R.T. -0.00 min

Lab File: VD058210.D

Acq: 20 Jun 2018 15:20

Instrument :

MSVOA_D

ClientSampleId :

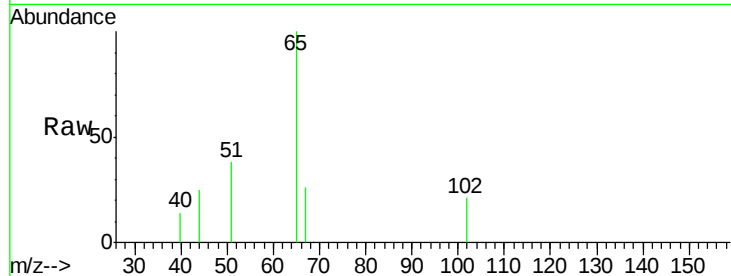
PL-01-061818-DRE

Tot Ion: 65 Resp: 6112

Ion Ratio Lower Upper

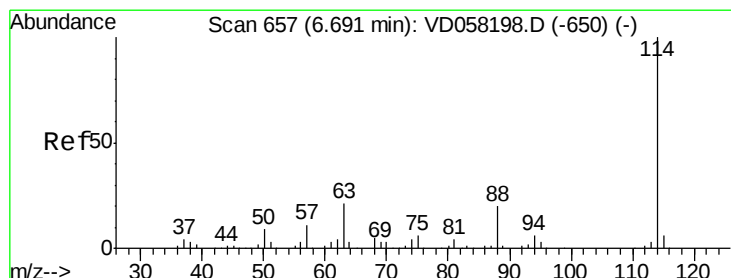
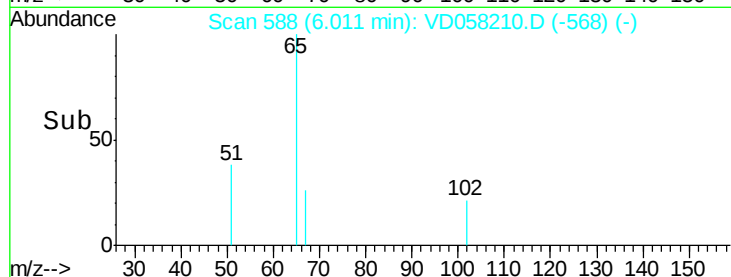
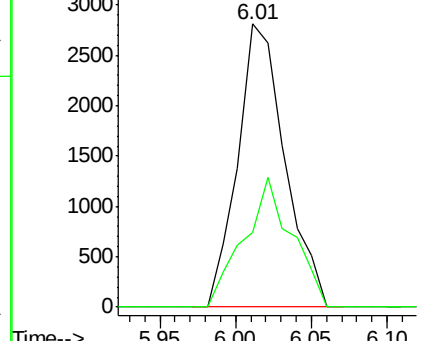
65 100

67 26.2 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: 6.69 min Scan# 657

Delta R.T. -0.00 min

Lab File: VD058210.D

Acq: 20 Jun 2018 15:20

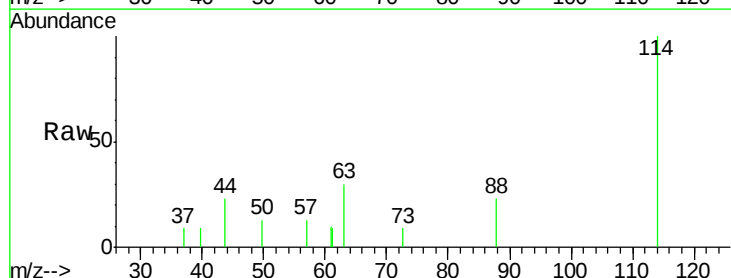
Tgt Ion: 114 Resp: 10206

Ion Ratio Lower Upper

114 100

63 29.7 0.0 42.6

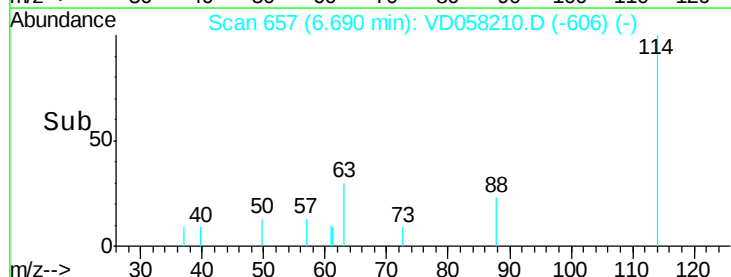
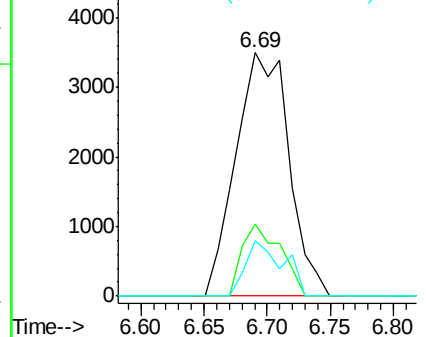
88 22.7 0.0 40.6

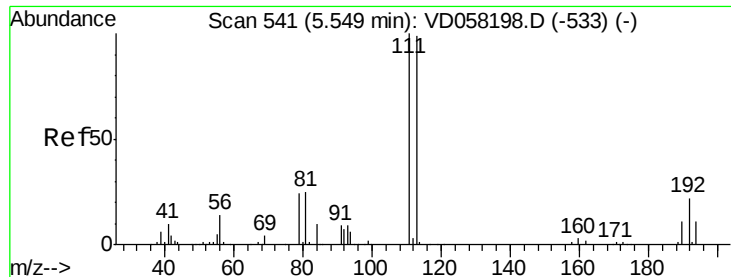


Abundance Ion 114.00 (113.70 to 114.70): V

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: 5.55 min Scan# 541

Delta R.T. -0.00 min

Lab File: VD058210.D

Acq: 20 Jun 2018 15:20

Instrument :

MSVOA_D

ClientSampleId :

PL-01-061818-DRE

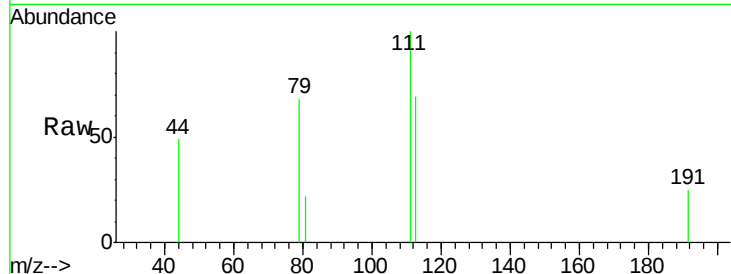
Tot Ion:113 Resp: 3602

Ion Ratio Lower Upper

113 100

111 145.9 80.6 121.0#

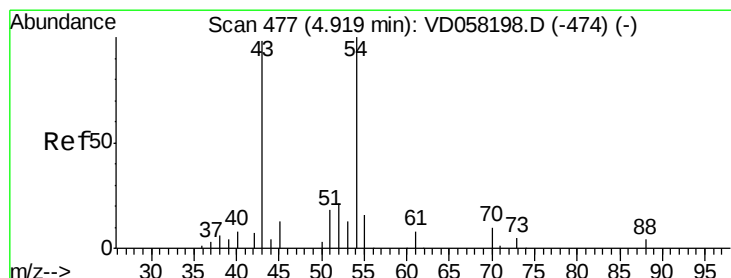
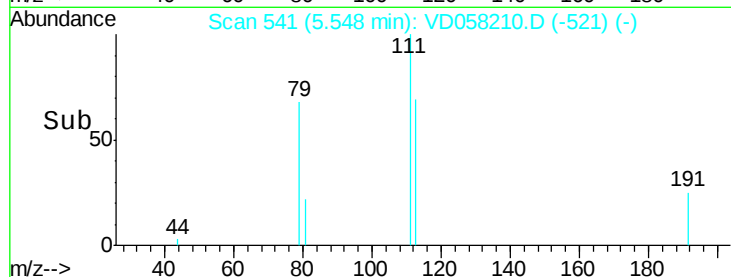
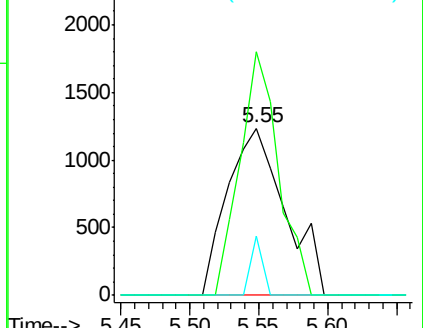
192 35.9 17.8 26.6#



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



#37

Ethyl Acetate

Concen: 4.415 ug/l

RT: 4.87 min Scan# 472

Delta R.T. -0.05 min

Lab File: VD058210.D

Acq: 20 Jun 2018 15:20

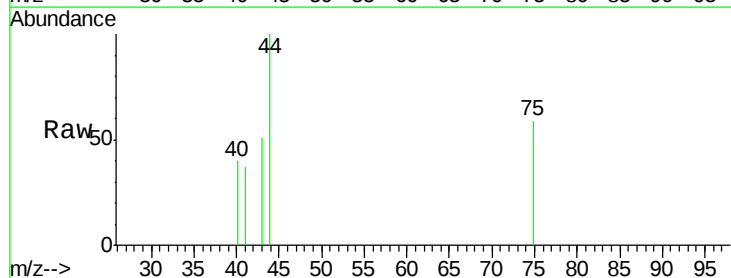
Tgt Ion: 43 Resp: 254

Ion Ratio Lower Upper

43 100

61 0.0 10.3 15.5#

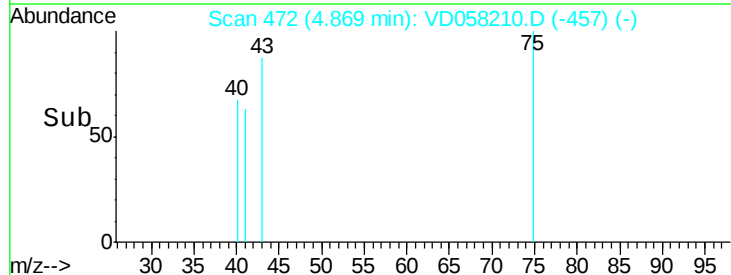
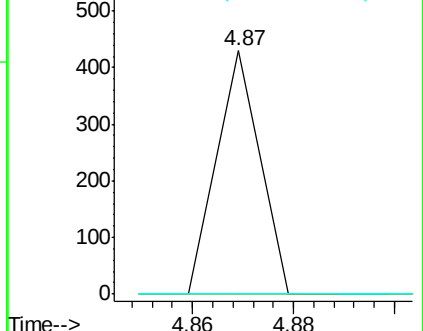
70 0.0 5.7 8.5#

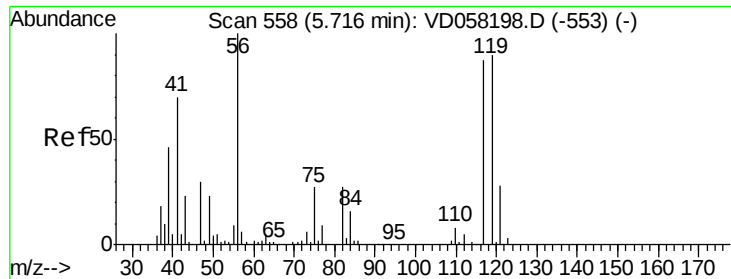


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 2.662 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.07 min

Lab File: VD058210.D

Acq: 20 Jun 2018 15:20

Instrument :

MSVOA_D

ClientSampleId :

PL-01-061818-DRE

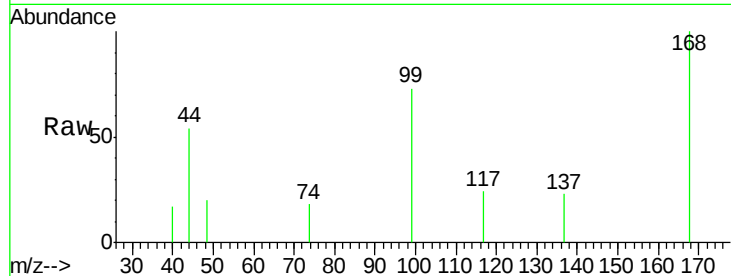
Tot Ion:117 Resp: 267

Ion Ratio Lower Upper

117 100

119 0.0 78.8 118.2#

121 0.0 25.0 37.6#



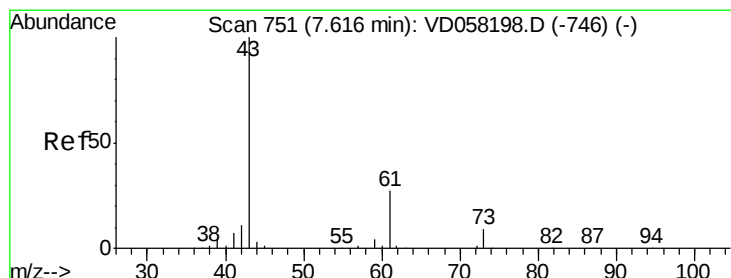
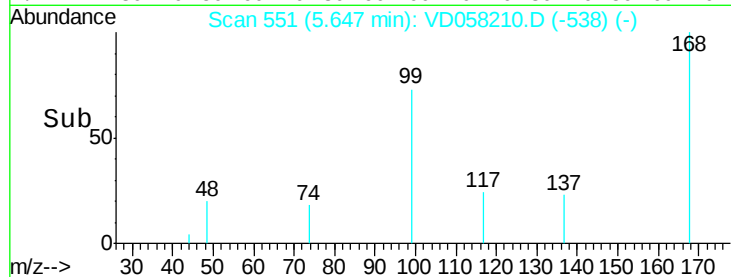
Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

5.65

Time-->



#43

Isopropyl Acetate

Concen: 6.572 ug/l

RT: 7.78 min Scan# 768

Delta R.T. 0.17 min

Lab File: VD058210.D

Acq: 20 Jun 2018 15:20

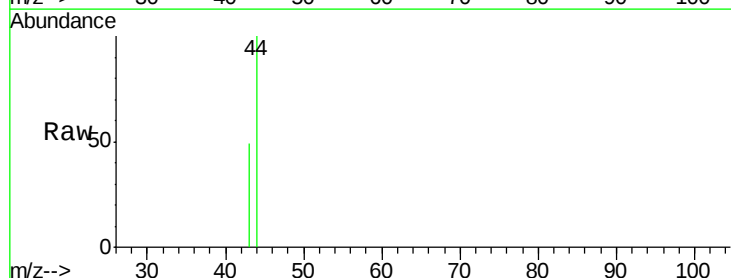
Tgt Ion: 43 Resp: 504

Ion Ratio Lower Upper

43 100

61 0.0 21.8 32.6#

87 0.0 0.3 0.5#



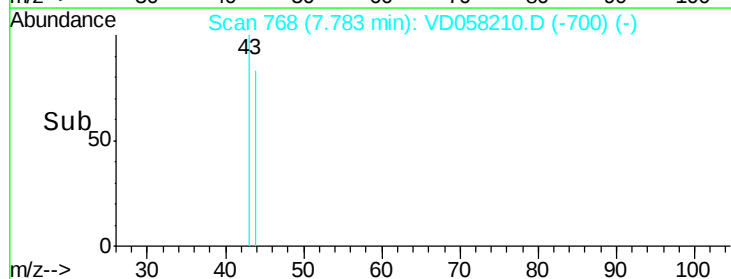
Abundance Ion 42.95 (42.65 to 43.65): VDC

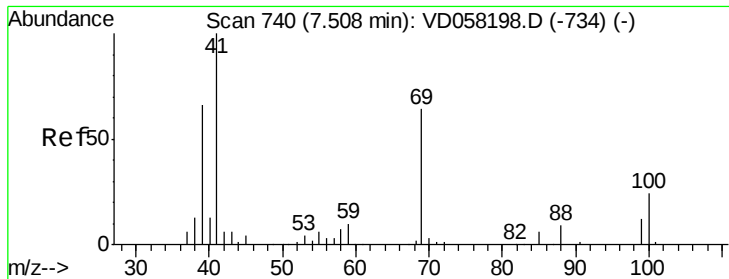
Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC

7.78

Time-->





#48

Methvl methacrylate

Concen: 4.076 ug/l

RT: 7.35 min Scan# 724

Delta R.T. -0.16 min

Lab File: VD058210.D

Acq: 20 Jun 2018 15:20

Instrument :

MSVOA_D

ClientSampleId :

PL-01-061818-DRE

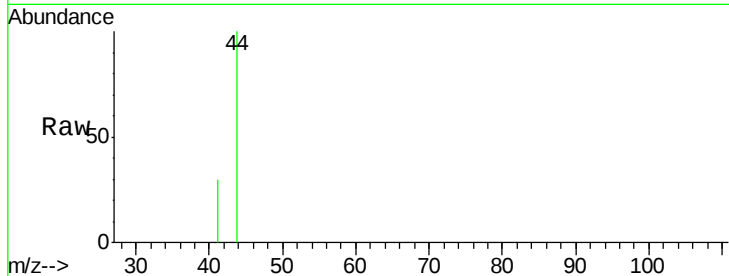
Tot Ion: 41 Resp: 190

Ion Ratio Lower Upper

41 100

69 0.0 50.7 76.1#

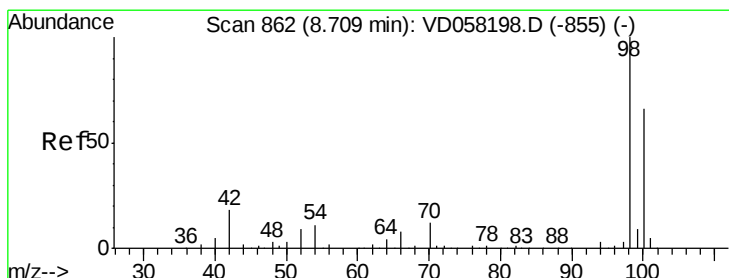
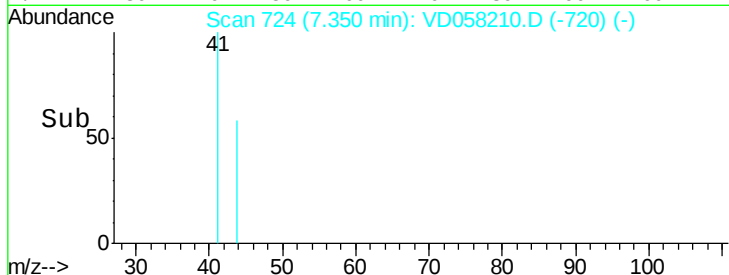
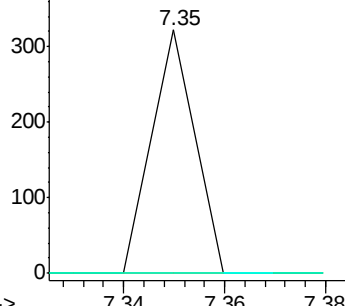
39 0.0 52.6 78.8#



Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC



#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.71 min Scan# 862

Delta R.T. -0.00 min

Lab File: VD058210.D

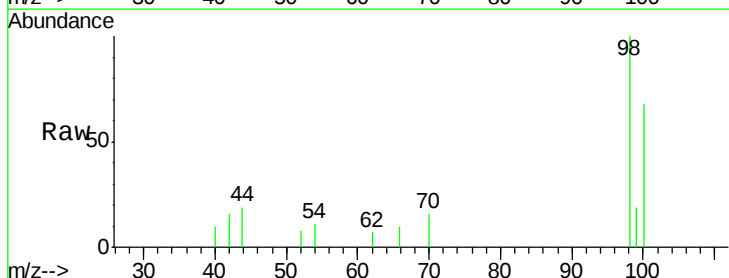
Acq: 20 Jun 2018 15:20

Tgt Ion: 98 Resp: 9339

Ion Ratio Lower Upper

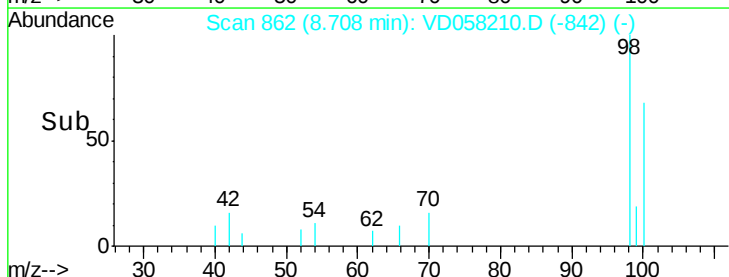
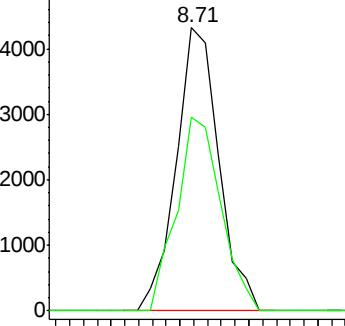
98 100

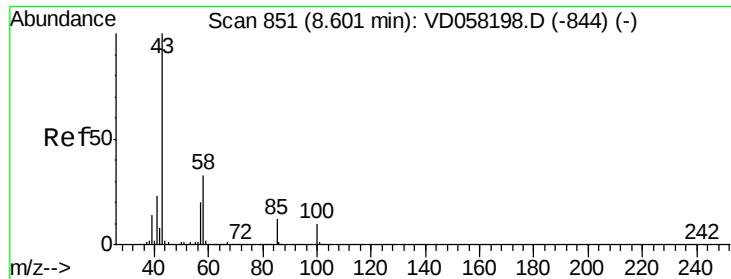
100 68.2 53.6 80.4



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: 14.533 ug/l

RT: 8.61 min Scan# 852

Delta R.T. 0.01 min

Lab File: VD058210.D

Acq: 20 Jun 2018 15:20

Instrument :

MSVOA_D

ClientSampleId :

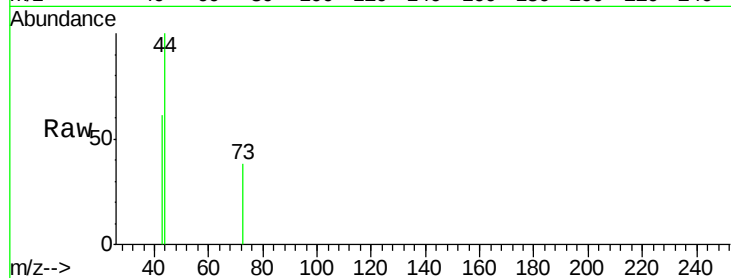
PL-01-061818-DRE

Tot Ion: 43 Resp: 727

Ion Ratio Lower Upper

43 100

58 0.0 26.7 40.1#

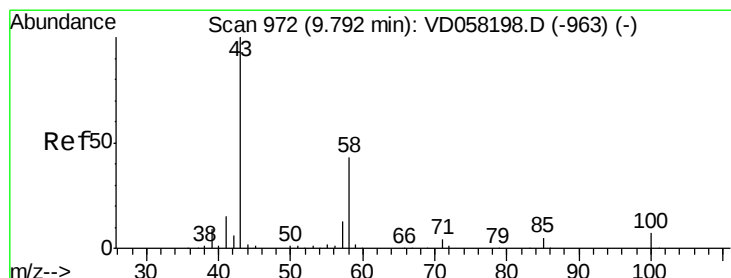
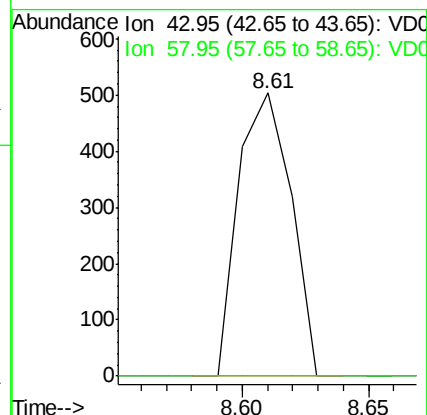
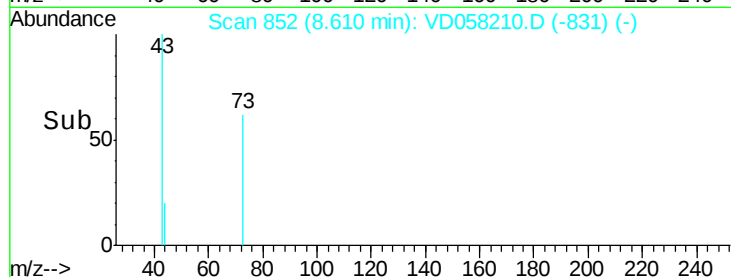


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.61

8.60 8.65



#59

2-Hexanone

Concen: 5.754 ug/l

RT: 9.90 min Scan# 983

Delta R.T. 0.11 min

Lab File: VD058210.D

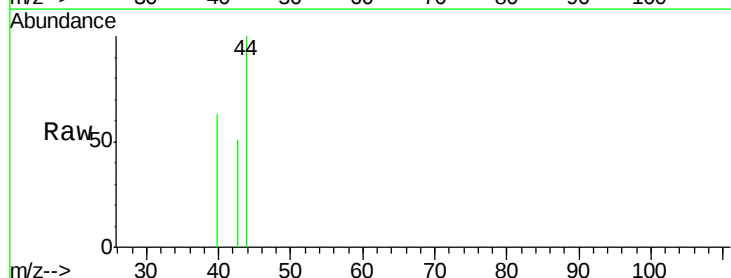
Acq: 20 Jun 2018 15:20

Tgt Ion: 43 Resp: 208

Ion Ratio Lower Upper

43 100

58 0.0 21.7 65.1#

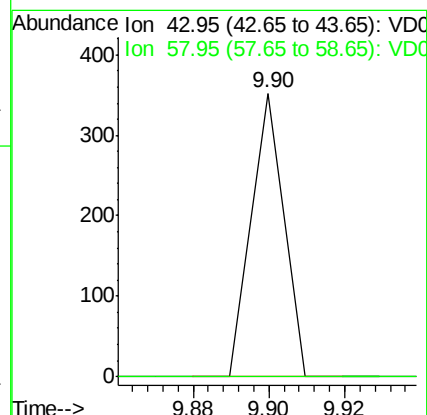
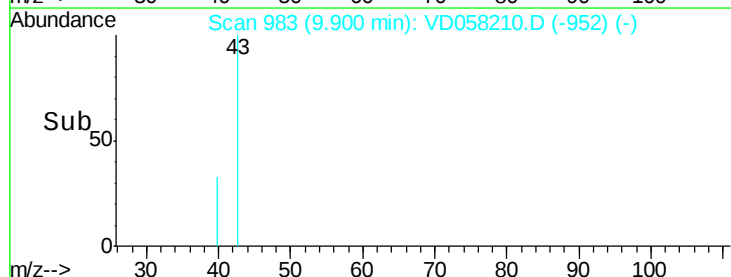


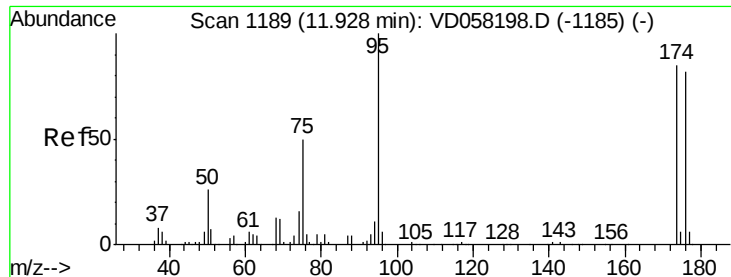
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.90

9.88 9.92





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD058210.D

Acq: 20 Jun 2018 15:20

Instrument :

MSVOA_D

ClientSampleId :

PL-01-061818-DRE

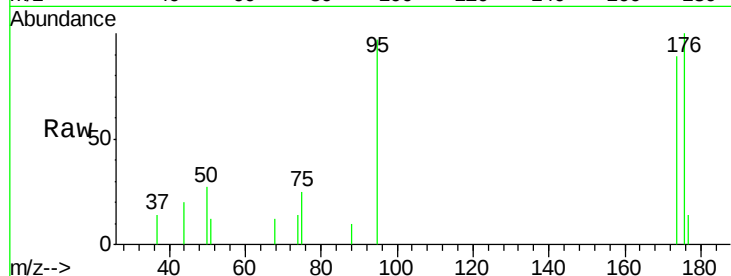
Tot Ion: 95 Resp: 4951

Ion Ratio Lower Upper

95 100

174 91.4 0.0 170.2

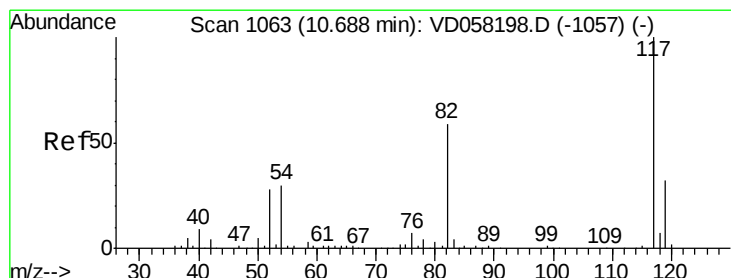
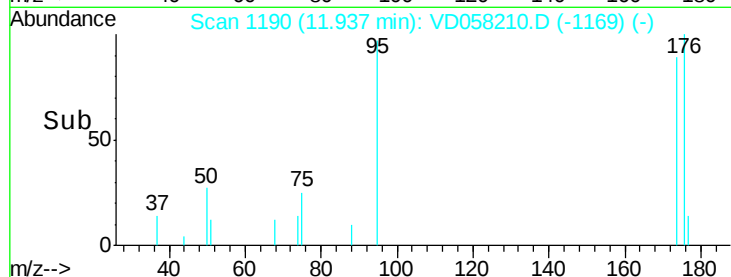
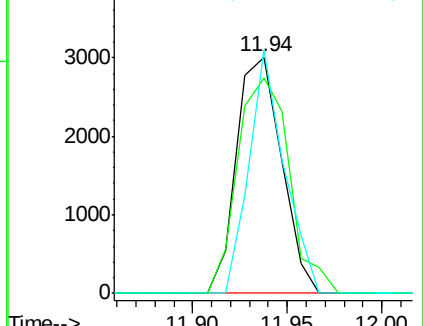
176 103.2 0.0 164.6



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: VD058210.D

Acq: 20 Jun 2018 15:20

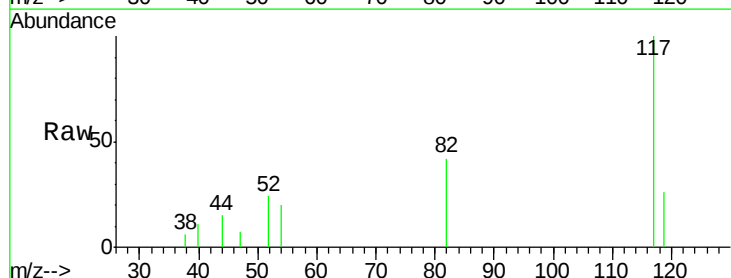
Tgt Ion: 117 Resp: 8956

Ion Ratio Lower Upper

117 100

82 42.4 47.0 70.6#

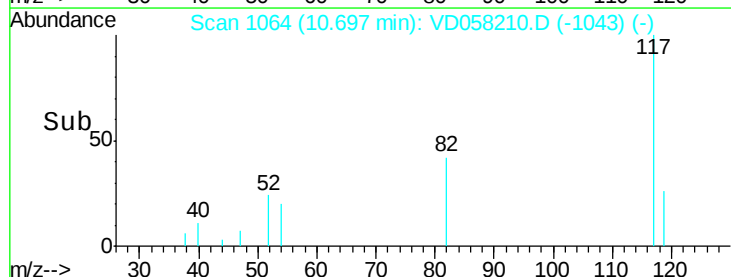
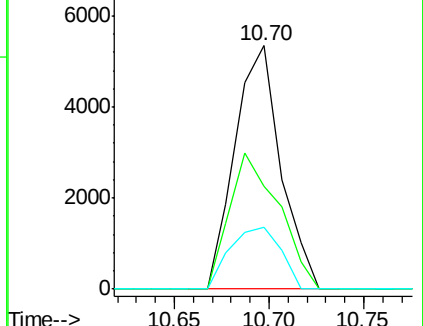
119 25.5 25.3 37.9

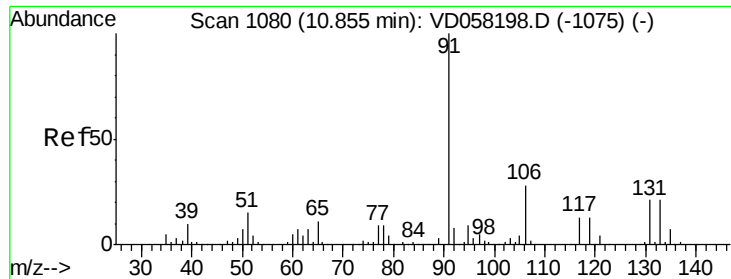


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

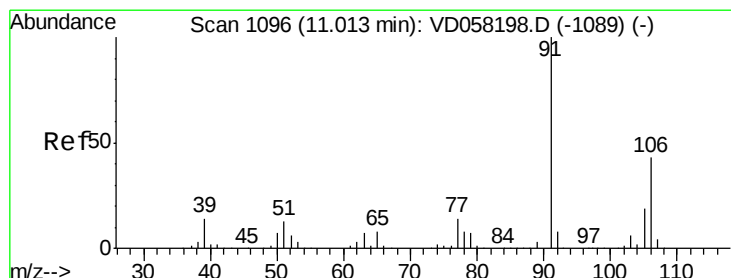
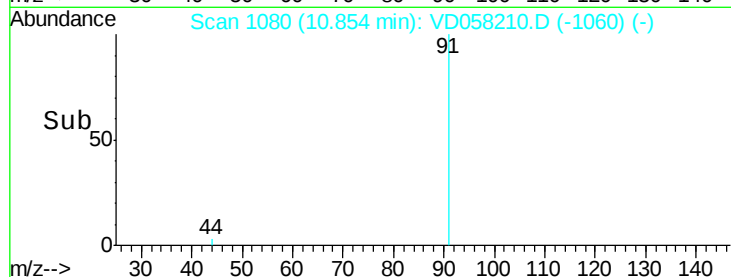
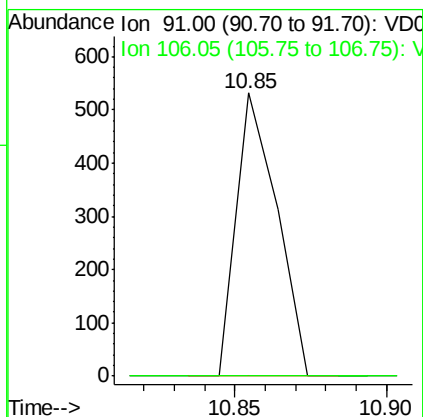
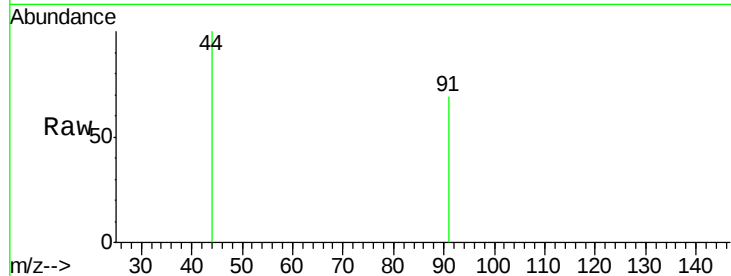




#67
Ethyl Benzene
Concen: 1.687 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VD058210.D
Acq: 20 Jun 2018 15:20

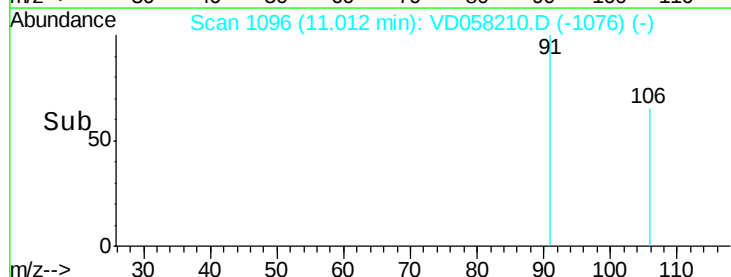
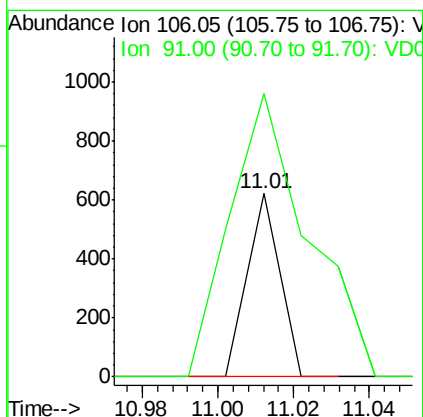
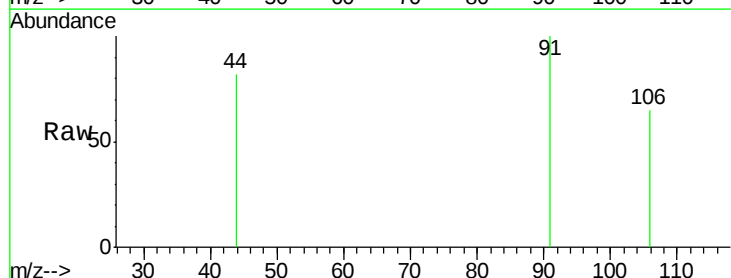
Instrument :
MSVOA_D
ClientSampleId :
PL-01-061818-DRE

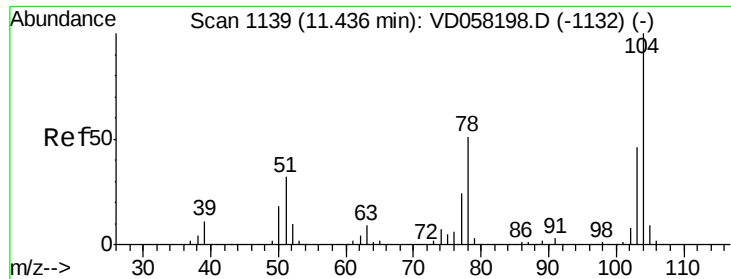
Tot Ion: 91 Resp: 499
Ion Ratio Lower Upper
91 100
106 0.0 22.0 33.0#



#68
m/p-Xylenes
Concen: 3.721 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VD058210.D
Acq: 20 Jun 2018 15:20

Tgt Ion: 106 Resp: 367
Ion Ratio Lower Upper
106 100
91 154.6 185.0 277.6#





#70

Stvrene

Concen: 1.145 ug/l

RT: 11.44 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VD058210.D

Acq: 20 Jun 2018 15:20

Instrument :

MSVOA_D

ClientSampleId :

PL-01-061818-DRE

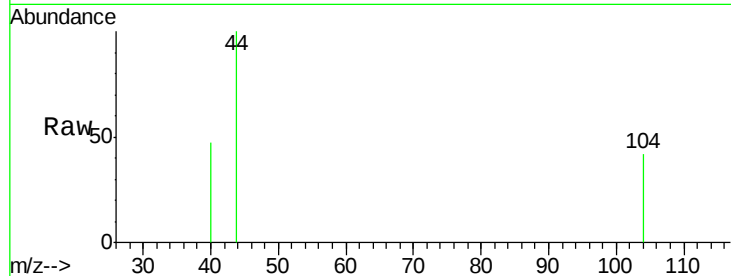
Tot Ion:104 Resp: 184

Ion Ratio Lower Upper

104 100

78 0.0 40.8 61.2#

103 0.0 37.0 55.6#



Abundance Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): V

Ion 103.05 (102.75 to 103.75): V

11.44

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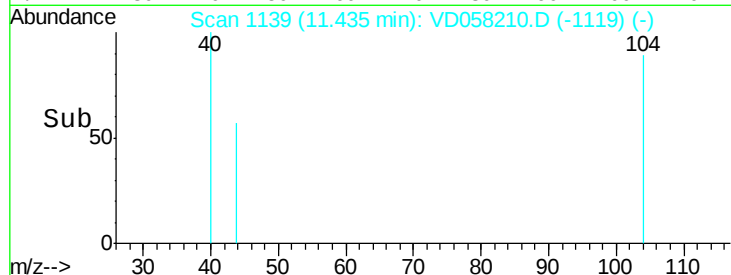
11.44

11.44

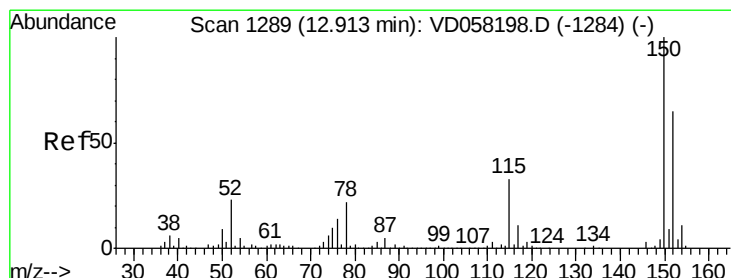
11.44

11.44

11.44



Time--> 11.40 11.42 11.44 11.46



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.91 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VD058210.D

Acq: 20 Jun 2018 15:20

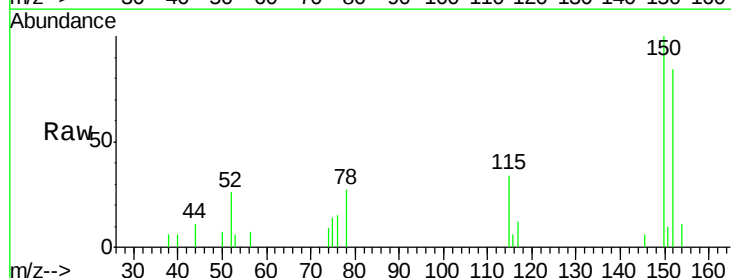
Tgt Ion:152 Resp: 5121

Ion Ratio Lower Upper

152 100

115 40.4 25.1 75.3

150 118.8 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

12.91

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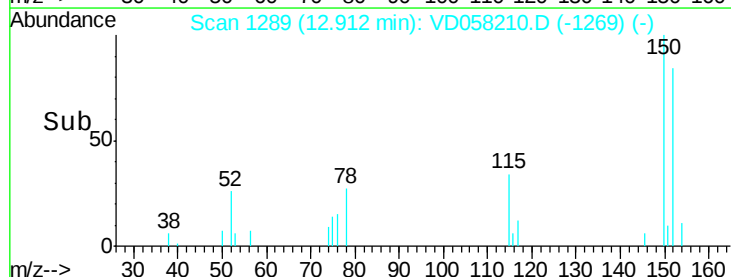
12.91

12.91

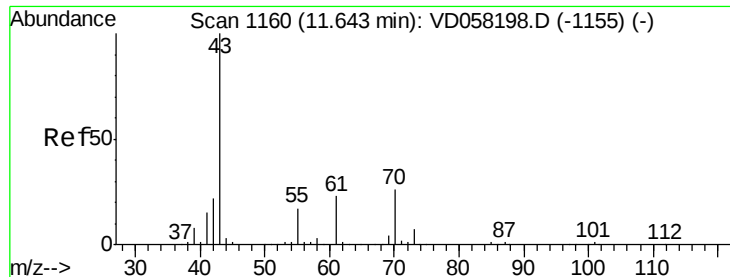
12.91

12.91

12.91



Time--> 12.85 12.90 12.95



#74

N-amvl acetate

Concen: 2.052 ug/l

RT: 11.74 min Scan# 1170

Delta R.T. 0.10 min

Lab File: VD058210.D

Acq: 20 Jun 2018 15:20

Instrument :

MSVOA_D

ClientSampleId :

PL-01-061818-DRE

Tot Ion: 43 Resp: 243

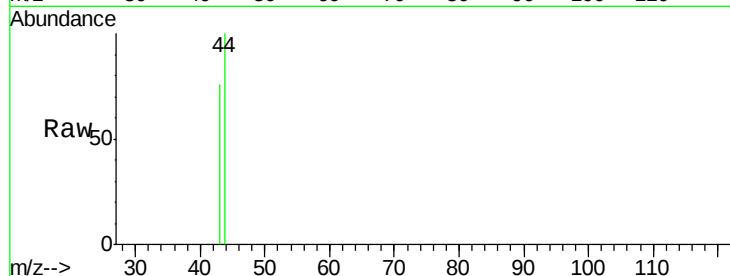
Ion Ratio Lower Upper

43 100

70 0.0 20.9 31.3#

55 0.0 13.5 20.3#

61 0.0 18.2 27.2#

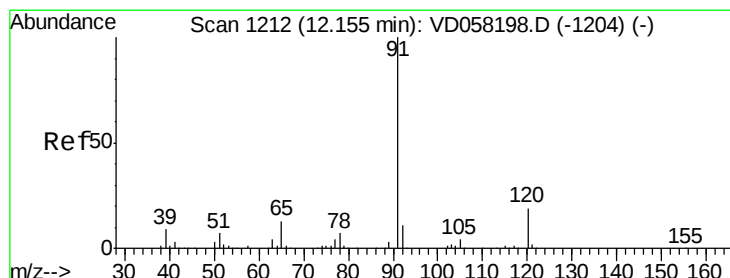
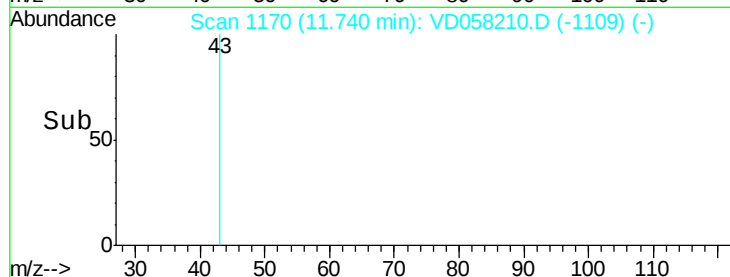
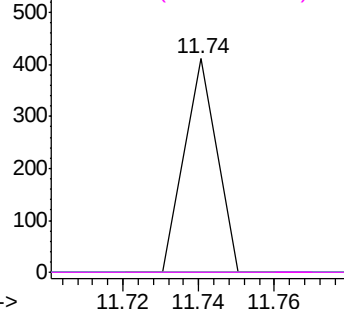


Abundance Ion 42.95 (42.65 to 43.65): VDC

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



#78

n-propylbenzene

Concen: 3.069 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VD058210.D

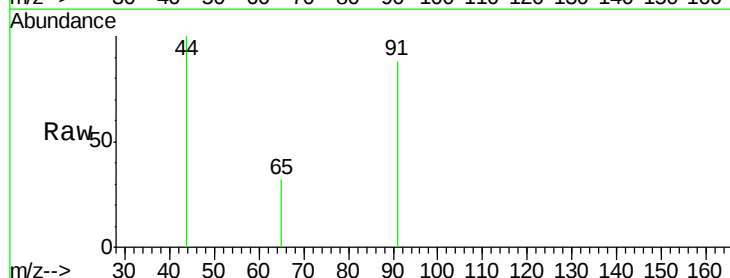
Acq: 20 Jun 2018 15:20

Tgt Ion: 91 Resp: 1214

Ion Ratio Lower Upper

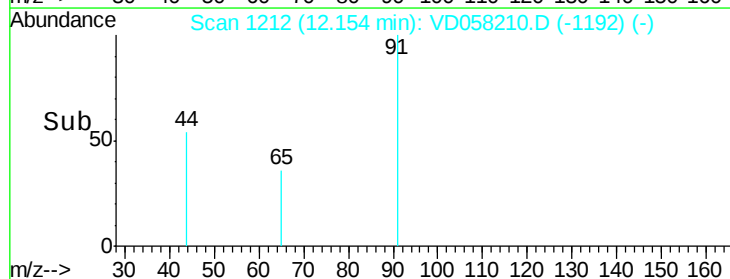
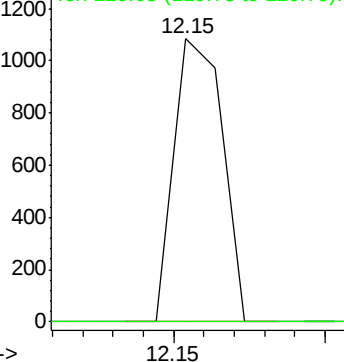
91 100

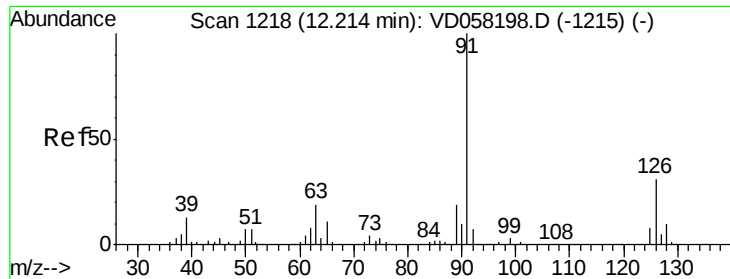
120 0.0 9.7 29.1#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): VDC





#79

2-Chlorotoluene

Concen: 1.343 ug/l

RT: 12.23 min Scan# 1220

Delta R.T. 0.02 min

Lab File: VD058210.D

Acq: 20 Jun 2018 15:20

Instrument :

MSVOA_D

ClientSampleId :

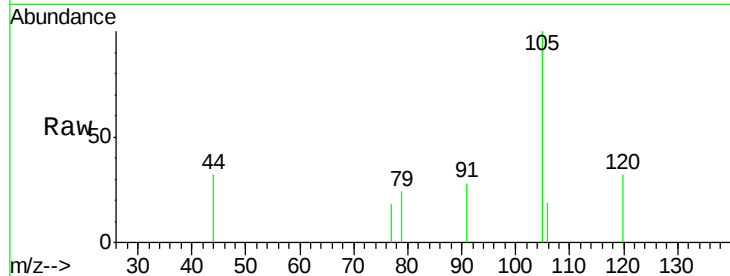
PL-01-061818-DRE

Tot Ion: 91 Resp: 304

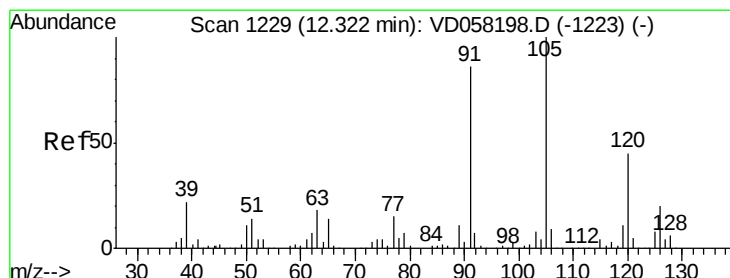
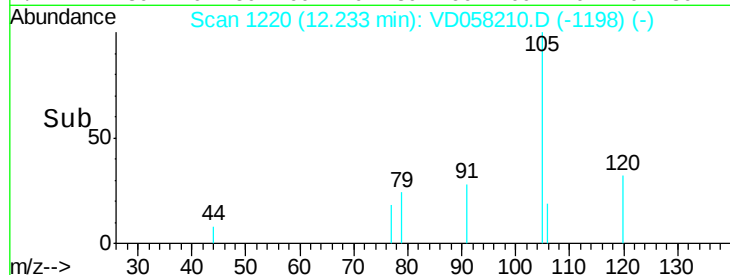
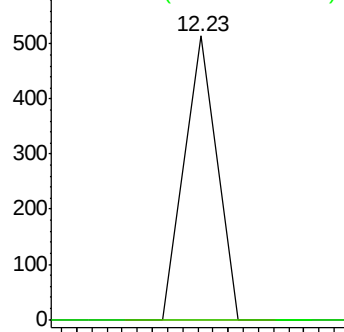
Ion Ratio Lower Upper

91 100

126 0.0 14.9 44.5#



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 8.053 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VD058210.D

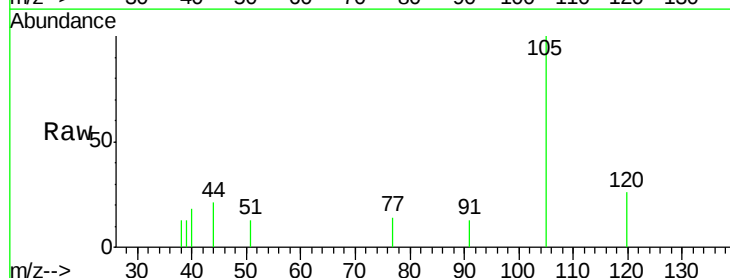
Acq: 20 Jun 2018 15:20

Tgt Ion: 105 Resp: 1924

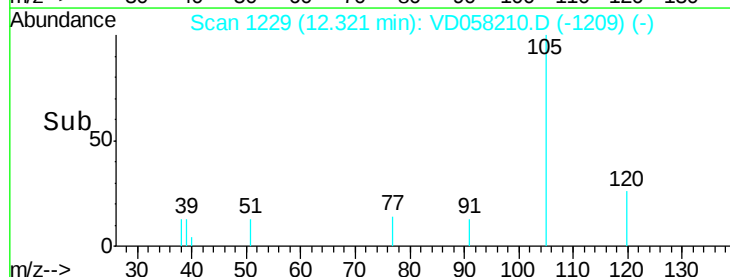
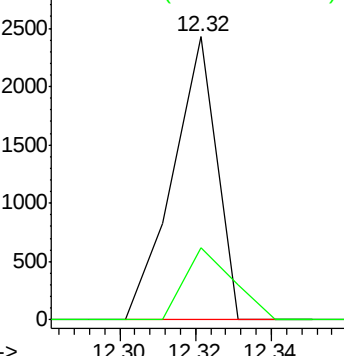
Ion Ratio Lower Upper

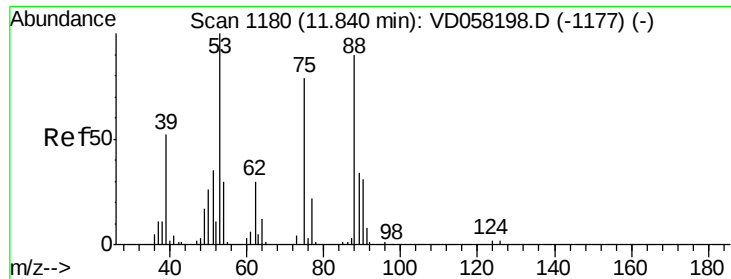
105 100

120 25.7 22.5 67.5



Abundance Ion 105.05 (104.75 to 105.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 97.338 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058210.D

Acq: 20 Jun 2018 15:20

Instrument :

MSVOA_D

ClientSampleId :

PL-01-061818-DRE

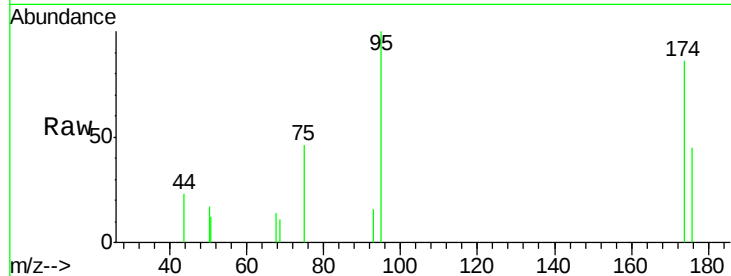
Tot Ion: 75 Resp: 1775

Ion Ratio Lower Upper

75 100

53 0.0 100.8 151.2#

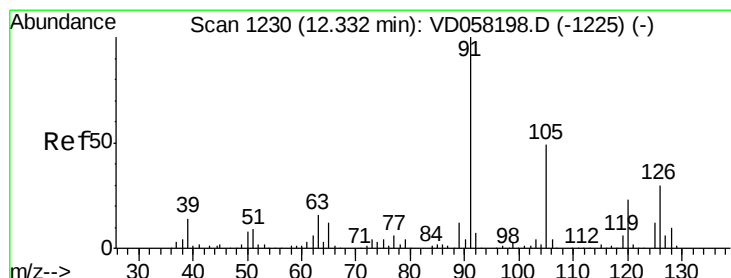
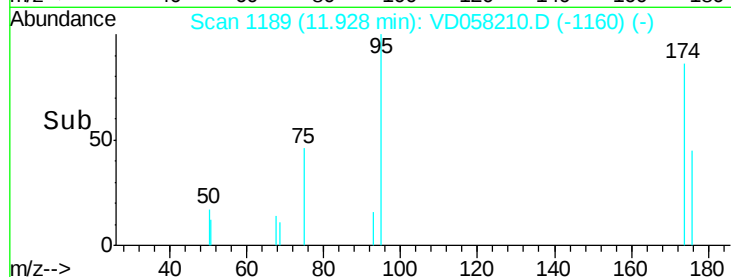
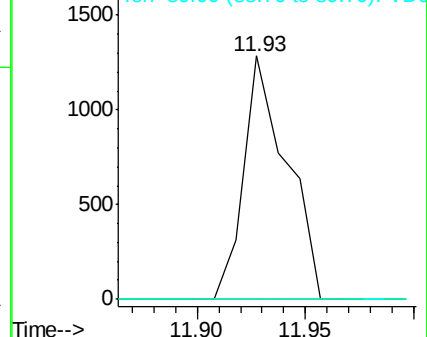
89 0.0 34.6 52.0#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: Below Cal

RT: 12.33 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VD058210.D

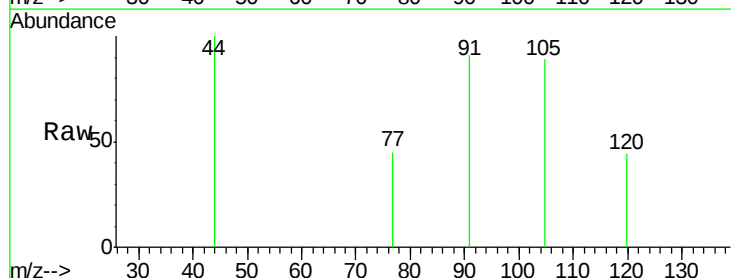
Acq: 20 Jun 2018 15:20

Tgt Ion: 91 Resp: 764

Ion Ratio Lower Upper

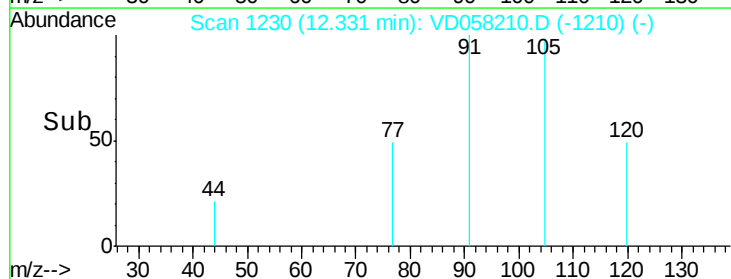
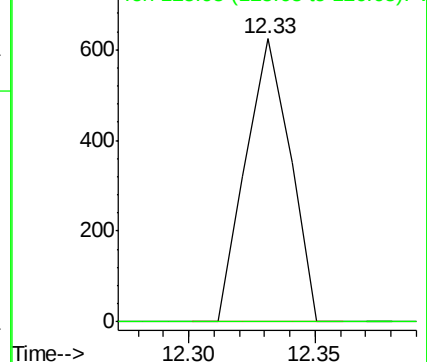
91 100

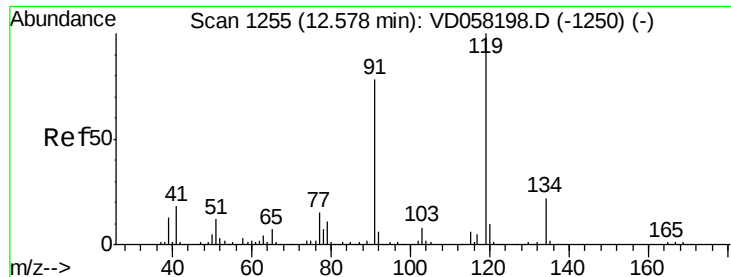
126 0.0 14.9 44.9#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

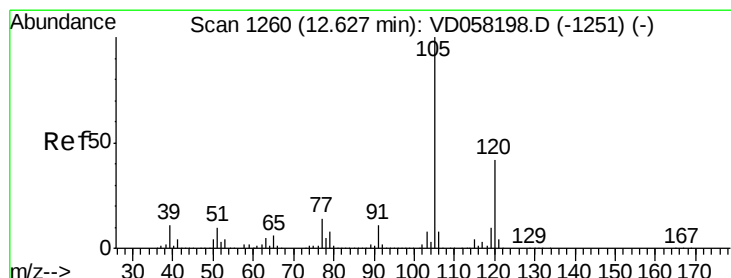
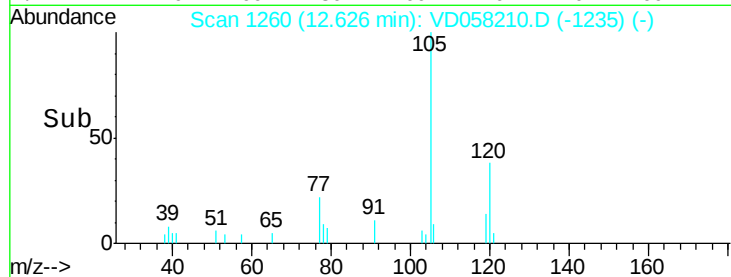
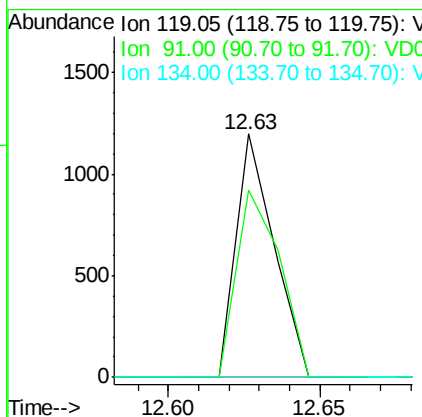
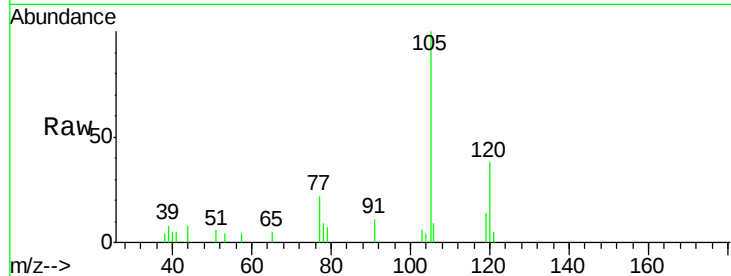




#83
 tert-Butylbenzene
 Concen: 3.794 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. 0.05 min
 Lab File: VD058210.D
 Acq: 20 Jun 2018 15:20

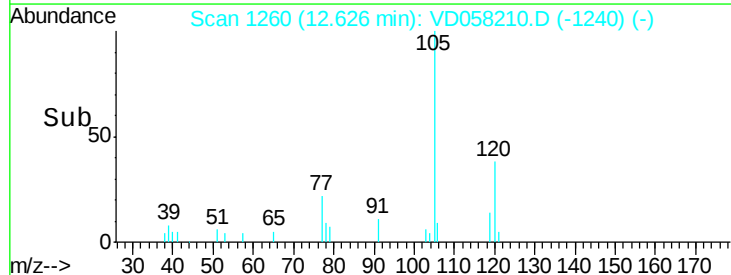
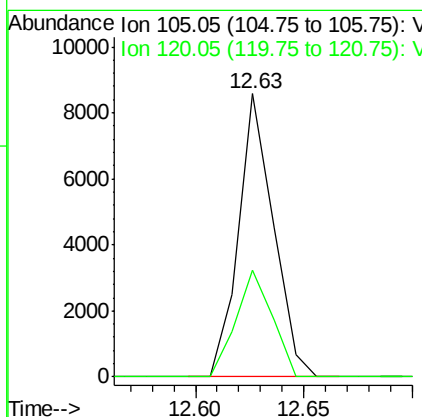
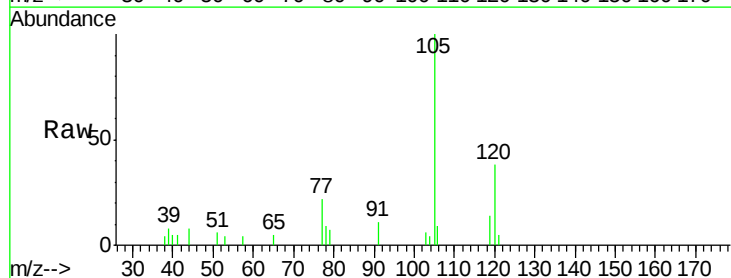
Instrument :
 MSVOA_D
 ClientSampleId :
 PL-01-061818-DRE

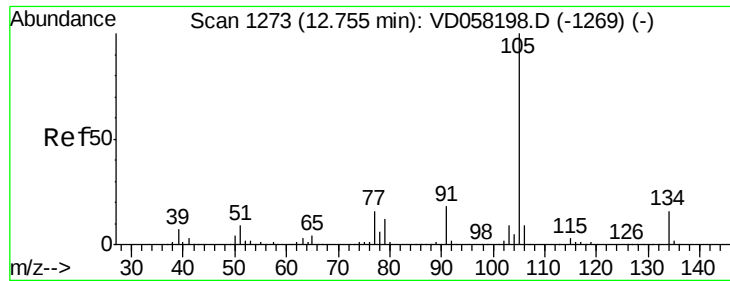
Tot Ion:119 Resp: 1042
 Ion Ratio Lower Upper
 119 100
 91 77.0 38.9 116.6
 134 0.0 11.2 33.5#



#84
 1,2,4-Trimethylbenzene
 Concen: 36.942 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VD058210.D
 Acq: 20 Jun 2018 15:20

Tgt Ion:105 Resp: 9594
 Ion Ratio Lower Upper
 105 100
 120 37.9 20.8 62.4

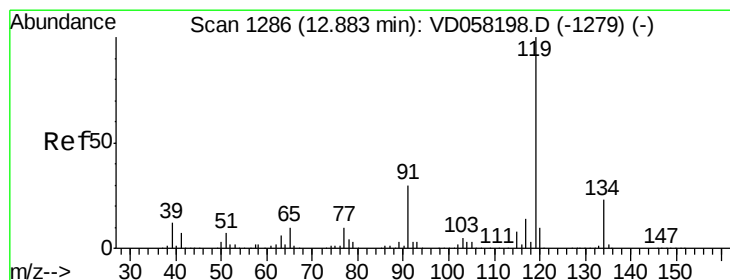
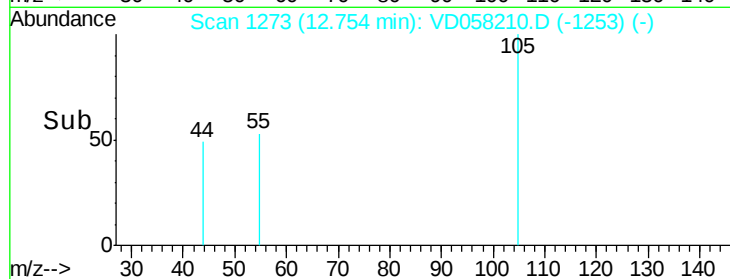
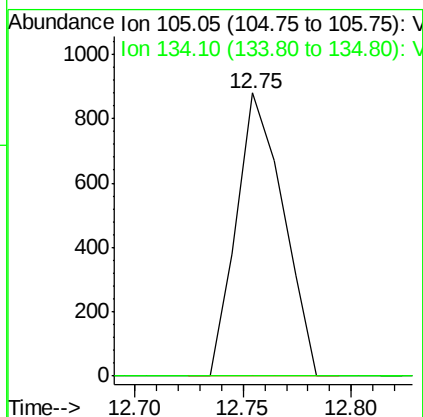
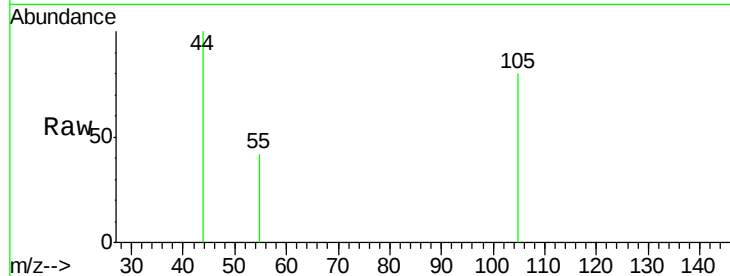




#85
 sec-Butylbenzene
 Concen: 4.109 ug/l
 RT: 12.75 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VD058210.D
 Acq: 20 Jun 2018 15:20

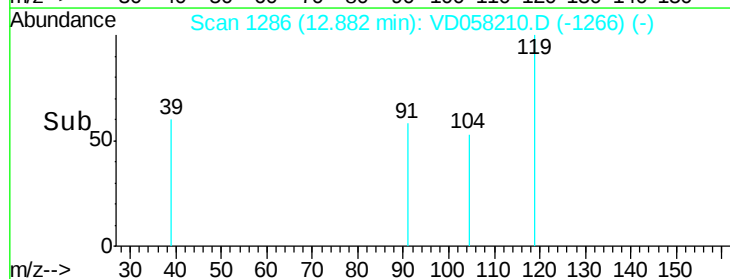
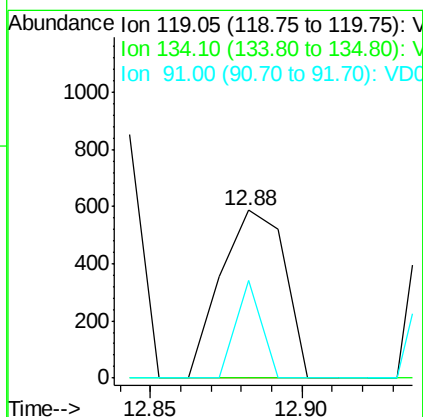
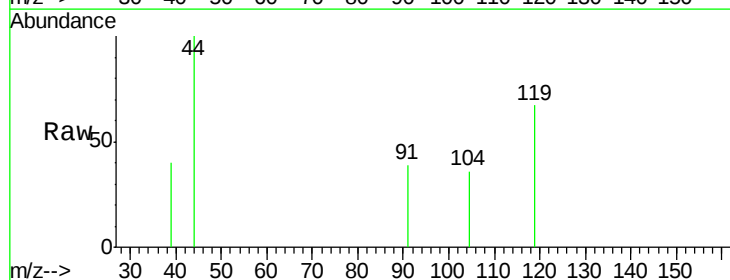
Instrument :
 MSVOA_D
 ClientSampleId :
 PL-01-061818-DRE

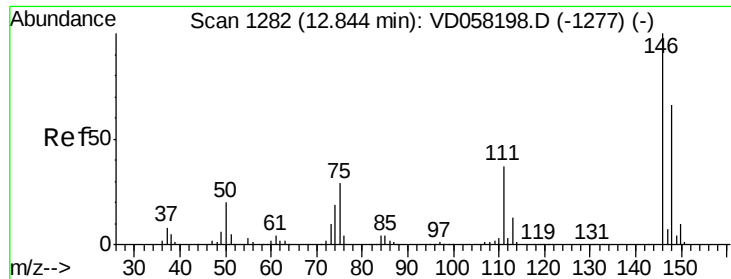
Tot Ion:105 Resp: 1323
 Ion Ratio Lower Upper
 105 100
 134 0.0 8.1 24.3#



#86
 p-Isopropyltoluene
 Concen: 3.308 ug/l
 RT: 12.88 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VD058210.D
 Acq: 20 Jun 2018 15:20

Tgt Ion:119 Resp: 863
 Ion Ratio Lower Upper
 119 100
 134 0.0 11.6 34.8#
 91 58.0 15.0 45.1#

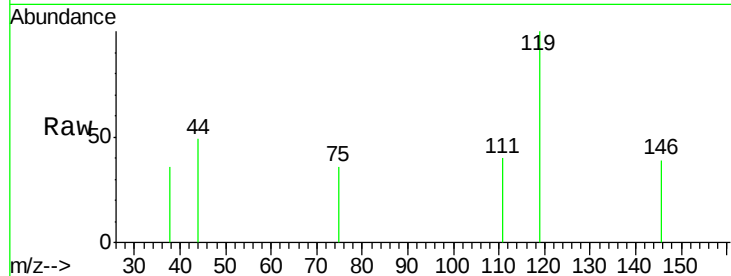




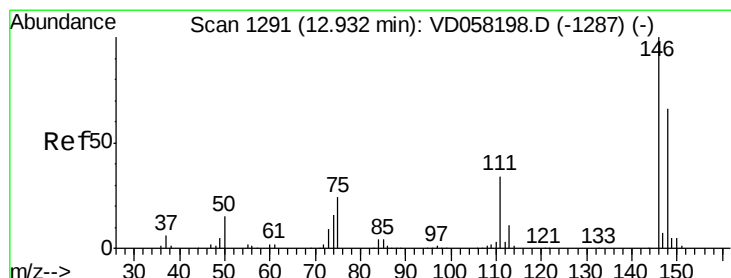
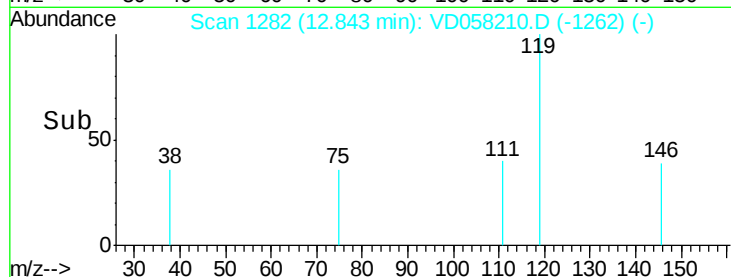
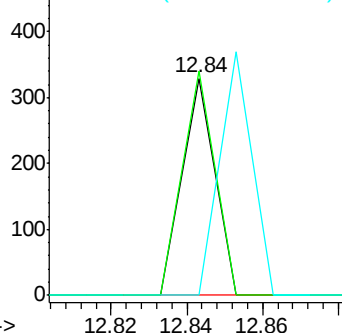
#87
 1,3-Dichlorobenzene
 Concen: 1.217 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD058210.D
 Acq: 20 Jun 2018 15:20

Instrument :
 MSVOA_D
 ClientSampleId :
 PL-01-061818-DRE

Tot Ion:146 Resp: 194
 Ion Ratio Lower Upper
 146 100
 111 103.6 18.4 55.0#
 148 0.0 32.8 98.4#

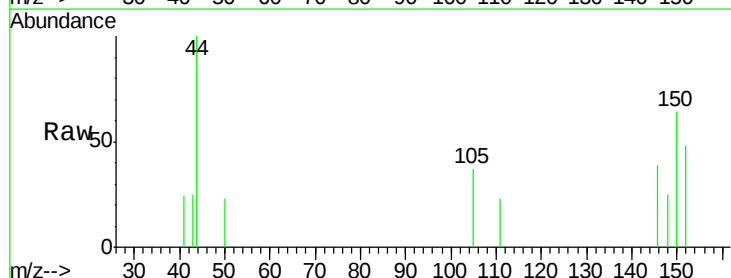


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

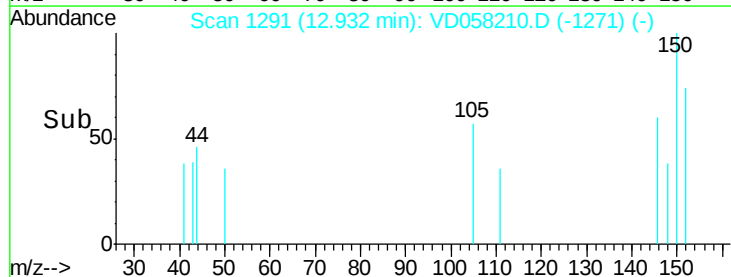
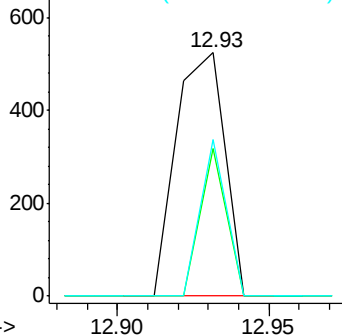


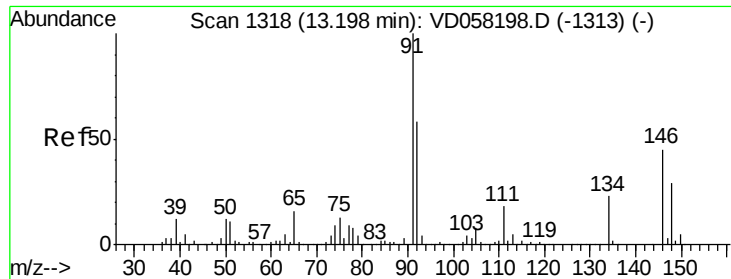
#88
 1,4-Dichlorobenzene
 Concen: 3.751 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD058210.D
 Acq: 20 Jun 2018 15:20

Tgt Ion:146 Resp: 584
 Ion Ratio Lower Upper
 146 100
 111 60.7 17.2 51.5#
 148 64.1 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: 14.536 ug/l

RT: 13.20 min Scan# 1318

Delta R.T. -0.00 min

Lab File: VD058210.D

Acq: 20 Jun 2018 15:20

Instrument :

MSVOA_D

ClientSampleId :

PL-01-061818-DRE

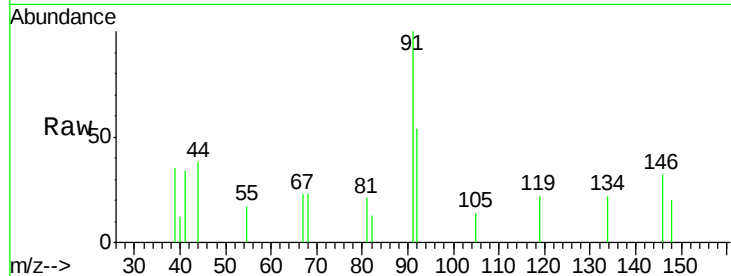
Tot Ion: 91 Resp: 3986

Ion Ratio Lower Upper

91 100

92 54.0 29.2 87.6

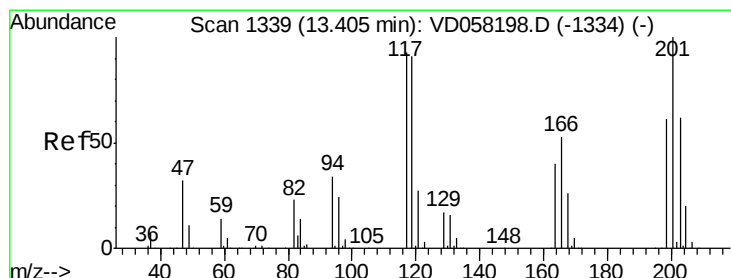
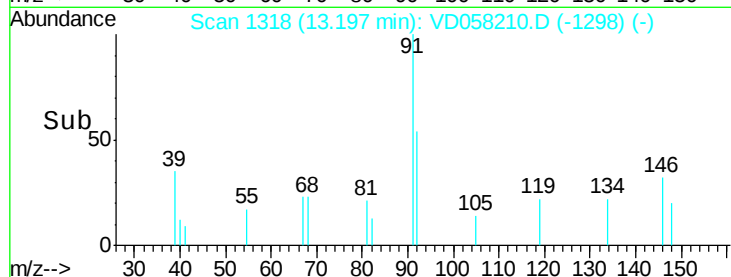
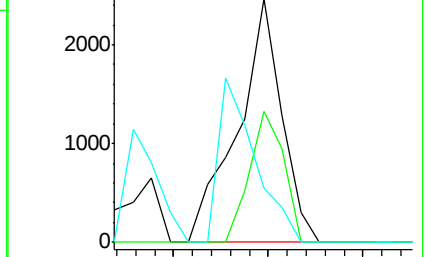
134 22.4 11.3 33.8



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: 33.875 ug/l

RT: 13.49 min Scan# 1348

Delta R.T. 0.09 min

Lab File: VD058210.D

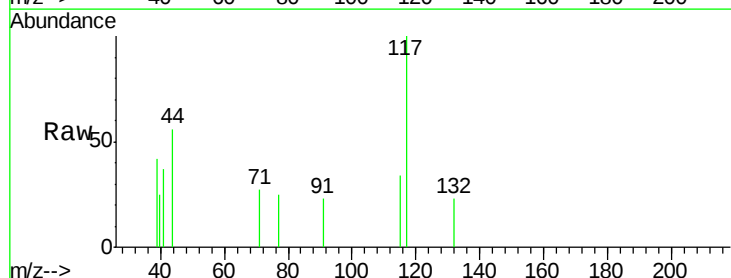
Acq: 20 Jun 2018 15:20

Tgt Ion: 117 Resp: 2294

Ion Ratio Lower Upper

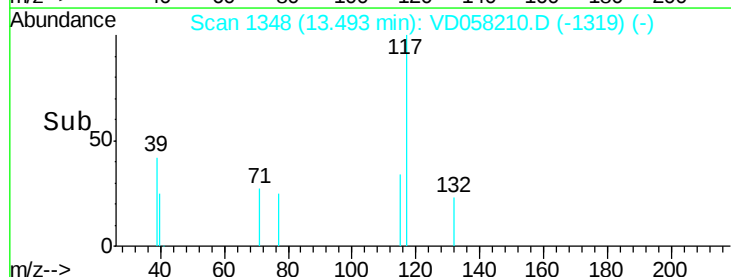
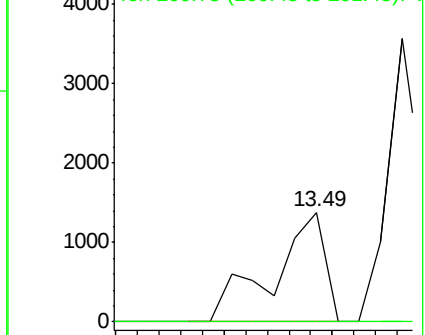
117 100

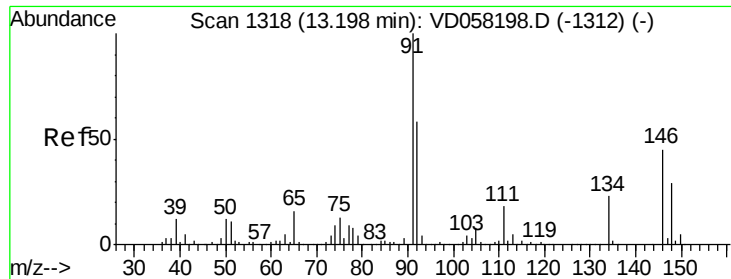
201 0.0 53.8 161.4#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

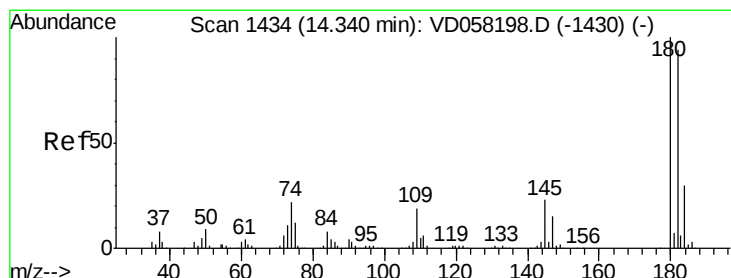
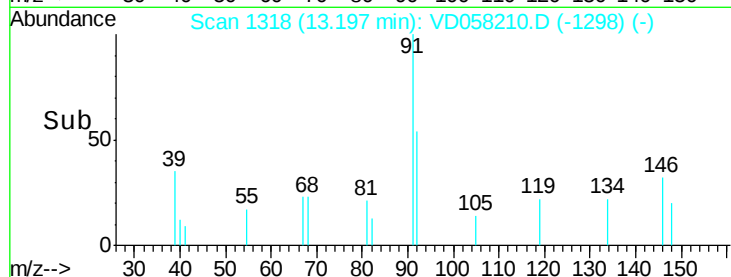
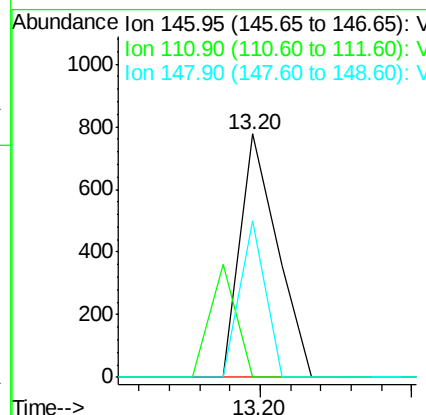
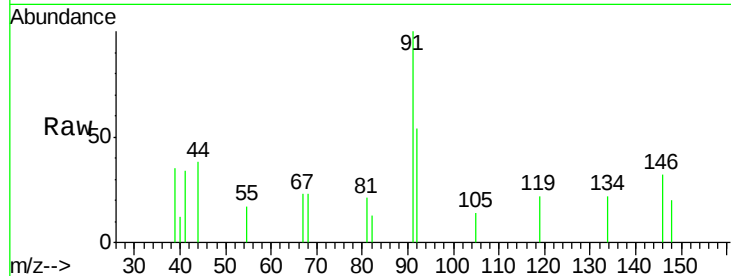




#91
 1,2-Dichlorobenzene
 Concen: 4.938 ug/l
 RT: 13.20 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: VD058210.D
 Acq: 20 Jun 2018 15:20

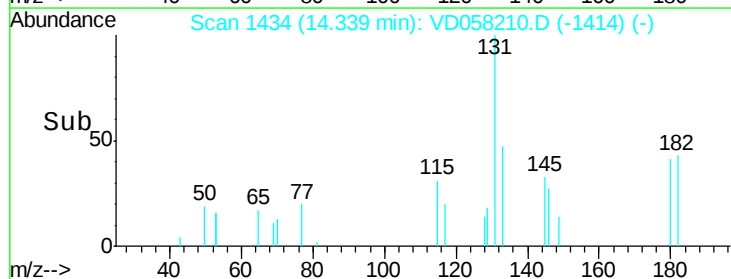
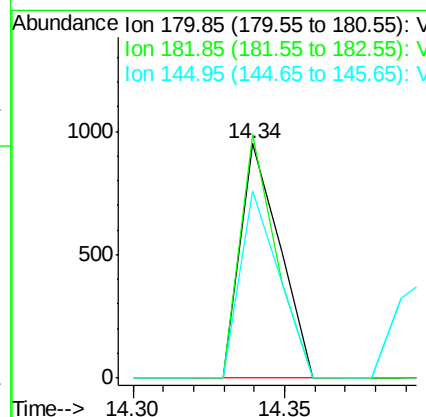
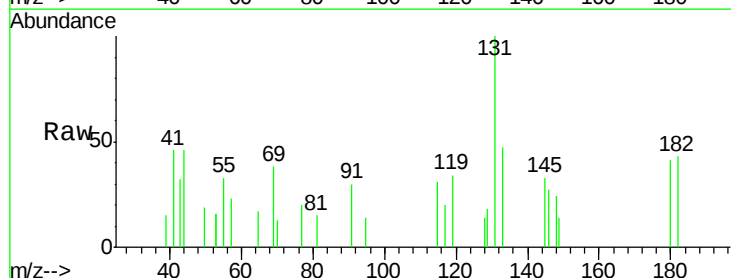
Instrument :
 MSVOA_D
 ClientSampleId :
 PL-01-061818-DRE

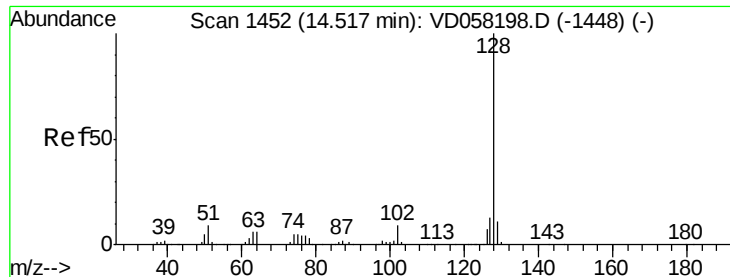
Tot Ion:146 Resp: 670
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.6 58.7#
 148 64.1 32.0 96.2



#93
 1,2,4-Trichlorobenzene
 Concen: 6.651 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VD058210.D
 Acq: 20 Jun 2018 15:20

Tgt Ion:180 Resp: 863
 Ion Ratio Lower Upper
 180 100
 182 103.9 47.1 141.3
 145 79.9 11.7 35.0#





#95

Naphthalene

Concen: 21.302 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VD058210.D

Acq: 20 Jun 2018 15:20

Instrument :

MSVOA_D

ClientSampleId :

PL-01-061818-DRE

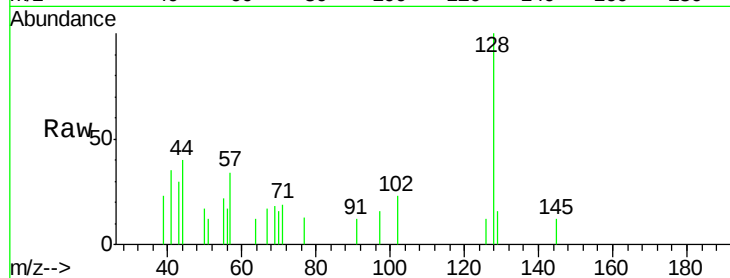
Tot Ion:128 Resp: 3641

Ion Ratio Lower Upper

128 100

127 0.0 10.0 15.0#

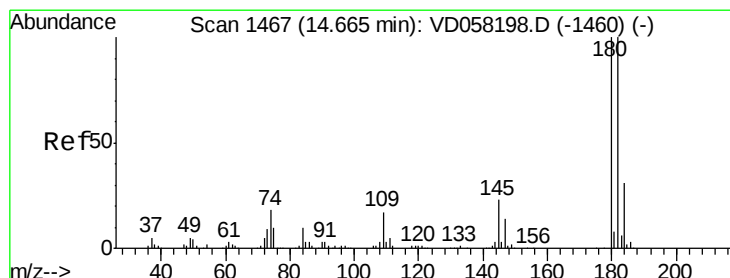
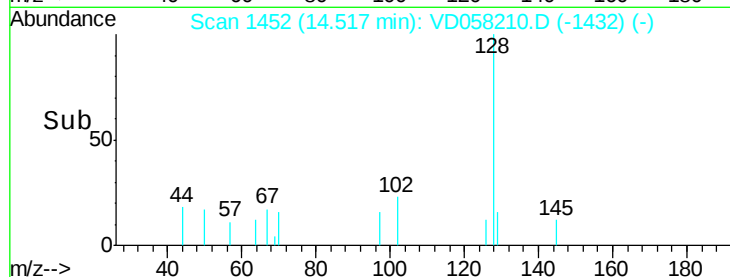
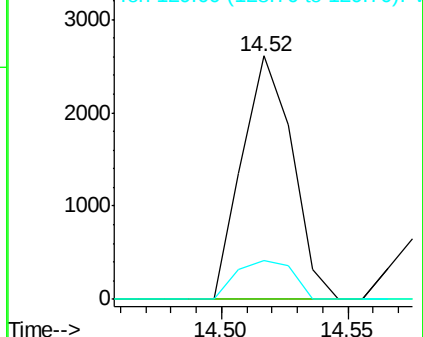
129 15.7 8.7 13.1#



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: 6.145 ug/l

RT: 14.66 min Scan# 1467

Delta R.T. -0.00 min

Lab File: VD058210.D

Acq: 20 Jun 2018 15:20

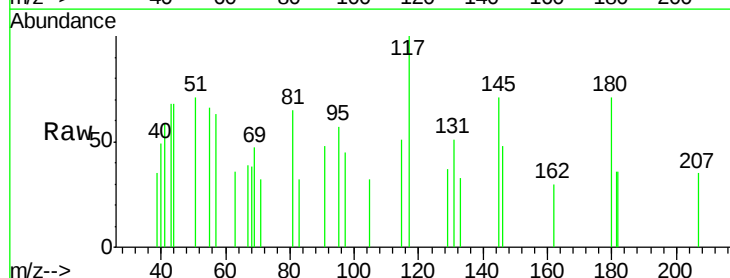
Tgt Ion:180 Resp: 698

Ion Ratio Lower Upper

180 100

182 101.0 49.9 149.6

145 98.9 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

