

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062218\
 Data File : VD058323.D
 Acq On : 23 Jun 2018 5:41
 Operator : VA/AP
 Sample : J3622-16
 Misc : 5.02g/5ml/MSVOA D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-D

Quant Time: Jun 25 00:54:51 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	640672	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.70	114	872381	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.70	117	683913	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.91	152	328469	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	381623	58.97	ug/l	0.02
Spiked Amount			Recovery	=	117.94%	
35) Dibromofluoromethane	5.57	113	396885	55.90	ug/l	0.02
Spiked Amount			Recovery	=	111.80%	
50) Toluene-d8	8.72	98	845429	49.22	ug/l	0.01
Spiked Amount			Recovery	=	98.44%	
62) 4-Bromofluorobenzene	11.94	95	356422	50.79	ug/l	0.01
Spiked Amount			Recovery	=	101.58%	

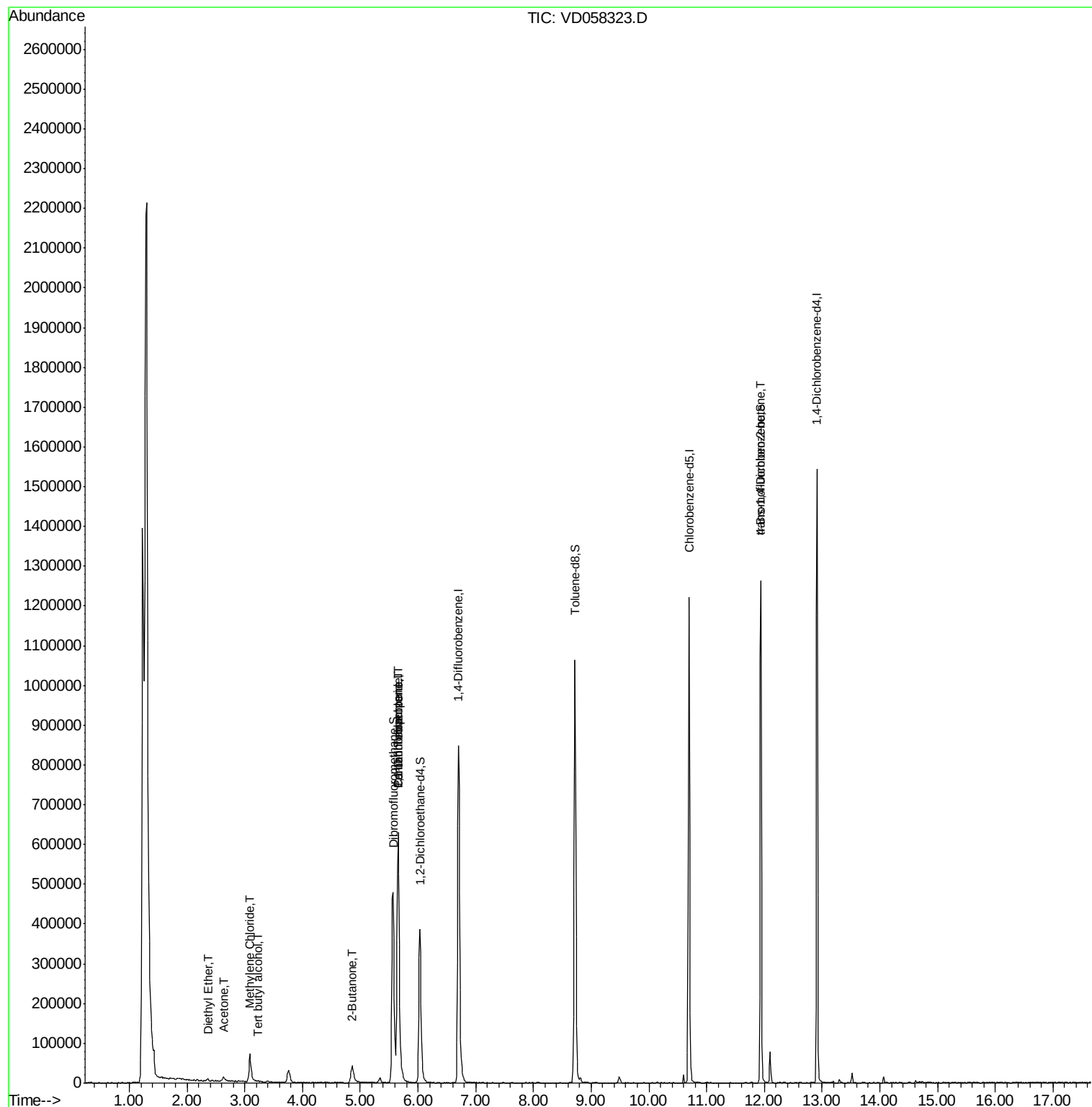
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	1298	Below Cal	#	43
3) Chloromethane	1.50	50	211	Below Cal	#	43
5) Bromomethane	1.82	94	206	Below Cal	#	3
8) Diethyl Ether	2.37	74	1567	1.610	ug/l	62
11) Tert butyl alcohol	3.24	59	1116	5.229	ug/l #	78
16) Acetone	2.63	43	23547	26.607	ug/l #	90
20) Methylene Chloride	3.09	84	36752	12.316	ug/l	91
25) 2-Butanone	4.86	43	4482	2.324	ug/l #	60
31) Cyclohexane	5.66	56	16216	Below Cal	#	1
36) 1,1-Dichloropropene	5.66	75	53852	6.240	ug/l #	51
38) Carbon Tetrachloride	5.66	117	50505	5.890	ug/l #	14
81) trans-1,4-Dichloro-2-buten	11.93	75	172655	147.613	ug/l #	1
82) 4-Chlorotoluene	12.33	91	1060	Below Cal	#	48

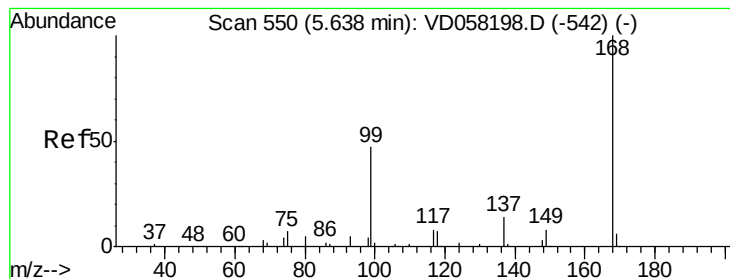
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062218\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 552

Delta R.T. 0.02 min

Lab File: VD058323.D

Acq: 23 Jun 2018 5:41

Instrument :

MSVOA_D

ClientSampleId :

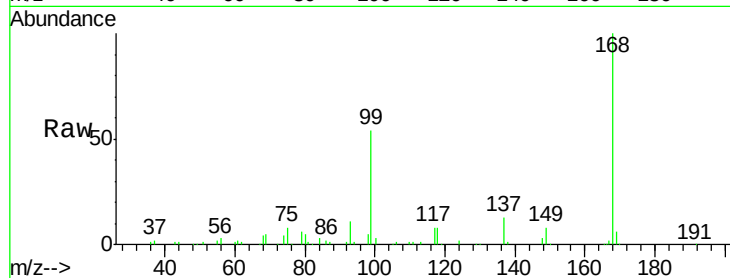
SP-D

Tot Ion:168 Resp: 640672

Ion Ratio Lower Upper

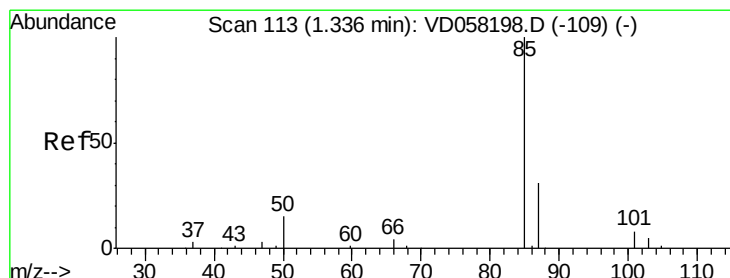
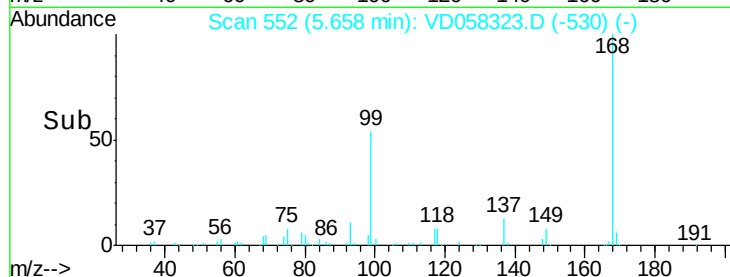
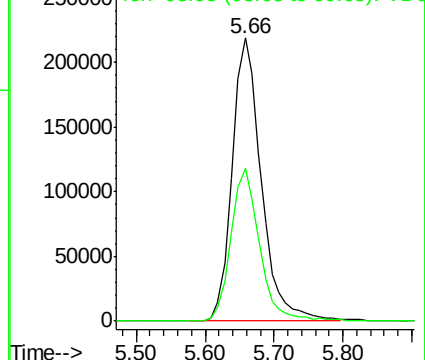
168 100

99 54.0 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: 1.35 min Scan# 114

Delta R.T. 0.01 min

Lab File: VD058323.D

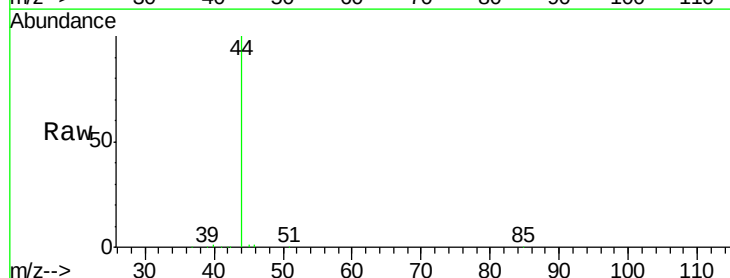
Acq: 23 Jun 2018 5:41

Tgt Ion: 85 Resp: 1298

Ion Ratio Lower Upper

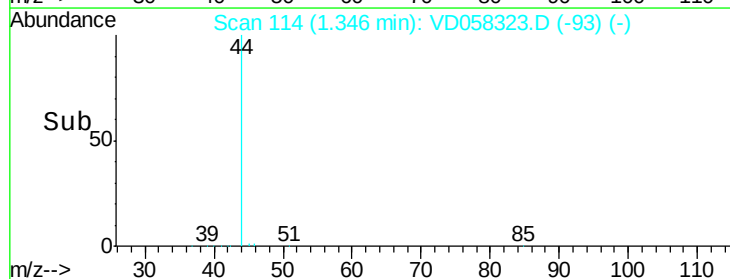
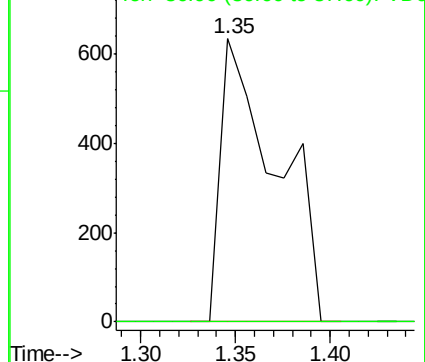
85 100

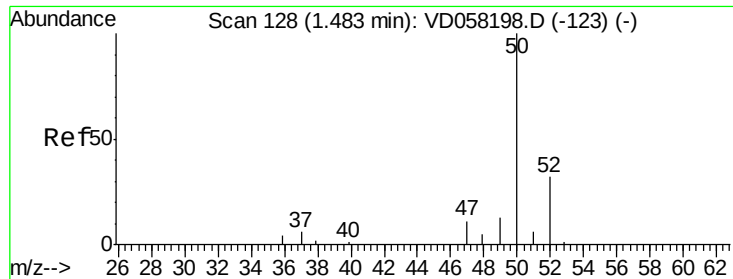
87 0.0 15.7 47.0#



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: 1.50 min Scan# 130

Delta R.T. 0.02 min

Lab File: VD058323.D

Acq: 23 Jun 2018 5:41

Instrument :

MSVOA_D

ClientSampleId :

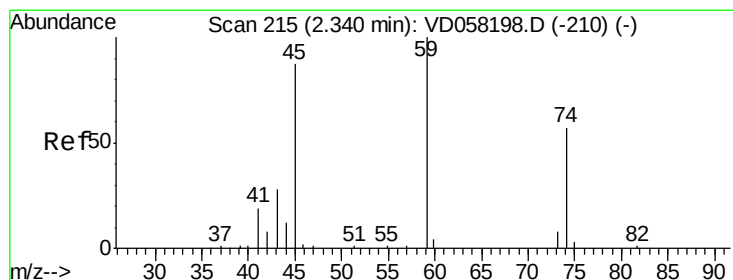
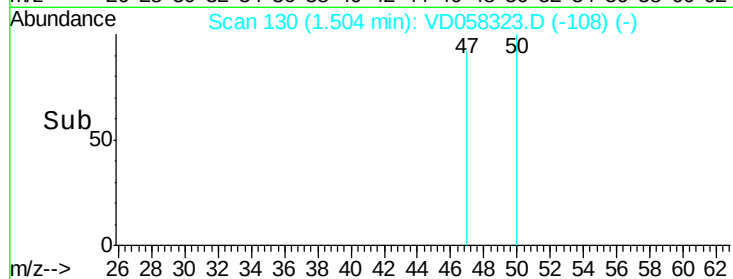
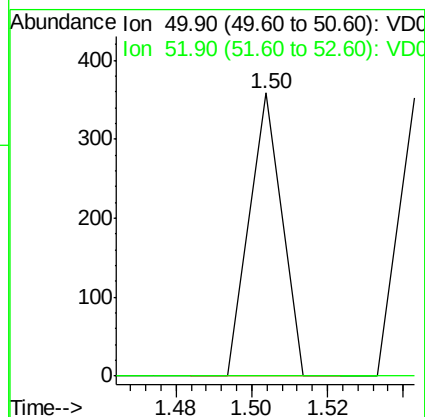
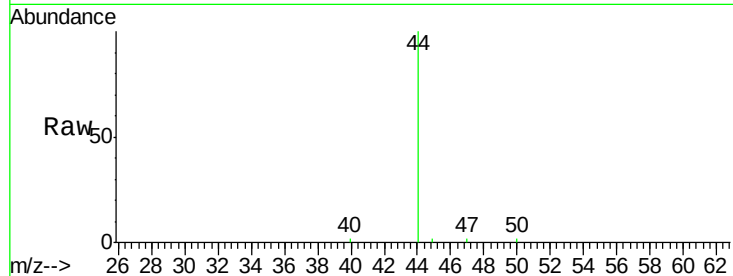
SP-D

Tot Ion: 50 Resp: 211

Ion Ratio Lower Upper

50 100

52 0.0 25.0 37.4#



#8

Diethyl Ether

Concen: 1.610 ug/l

RT: 2.37 min Scan# 218

Delta R.T. 0.03 min

Lab File: VD058323.D

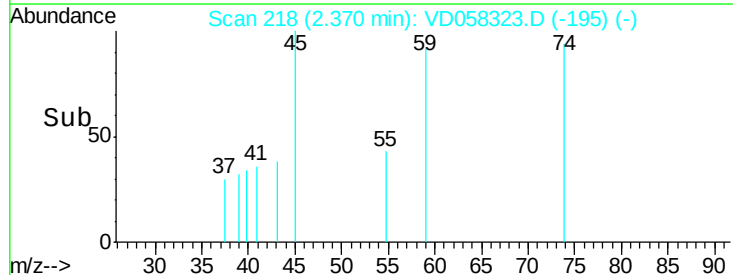
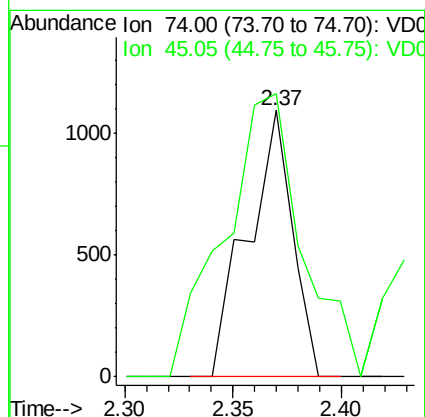
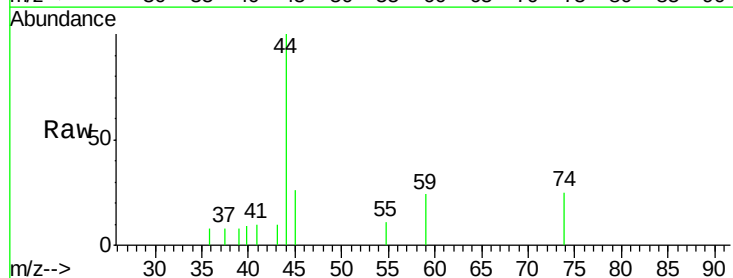
Acq: 23 Jun 2018 5:41

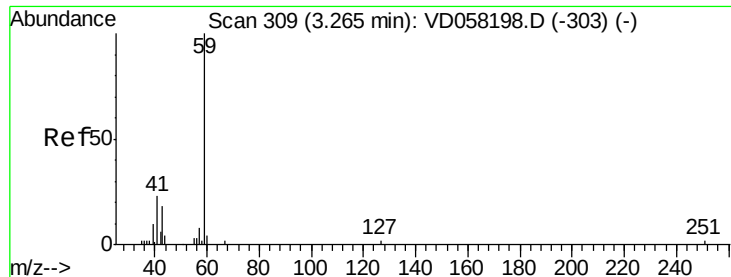
Tgt Ion: 74 Resp: 1567

Ion Ratio Lower Upper

74 100

45 106.3 77.5 232.6





#11

Tert butyl alcohol

Concen: 5.229 ug/l

RT: 3.24 min Scan# 306

Delta R.T. -0.03 min

Lab File: VD058323.D

Acq: 23 Jun 2018 5:41

Instrument :

MSVOA_D

ClientSampled :

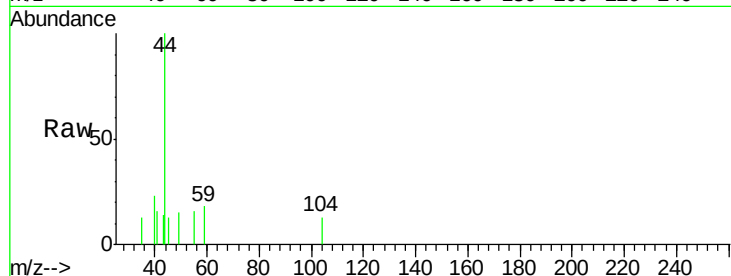
SP-D

Tot Ion: 59 Resp: 1116

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

3.24

400

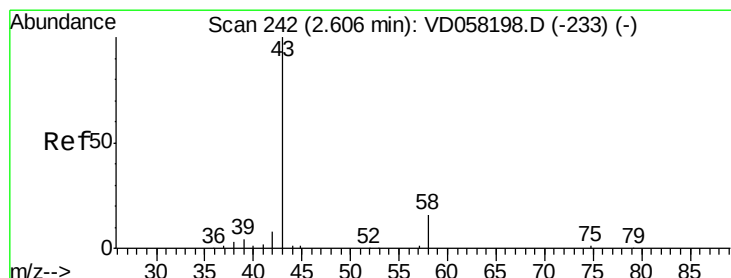
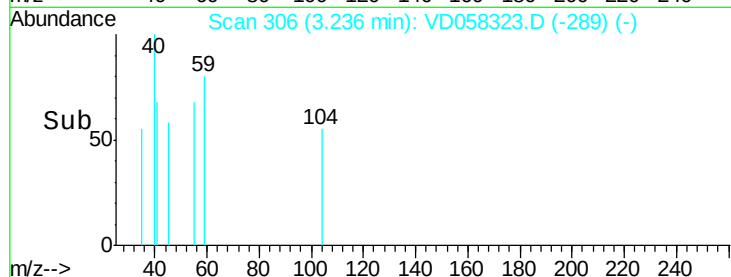
300

200

100

0

Time-->



#16

Acetone

Concen: 26.607 ug/l

RT: 2.63 min Scan# 244

Delta R.T. 0.02 min

Lab File: VD058323.D

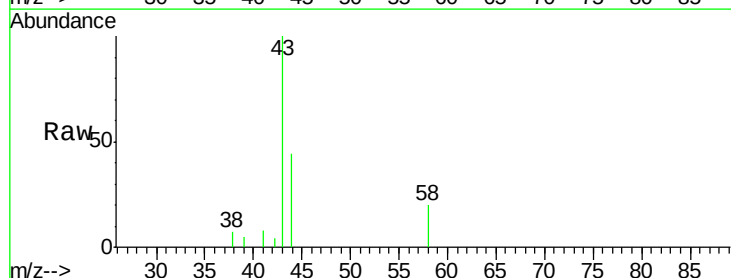
Acq: 23 Jun 2018 5:41

Tgt Ion: 43 Resp: 23547

Ion Ratio Lower Upper

43 100

58 20.0 12.7 19.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

2.63

8000

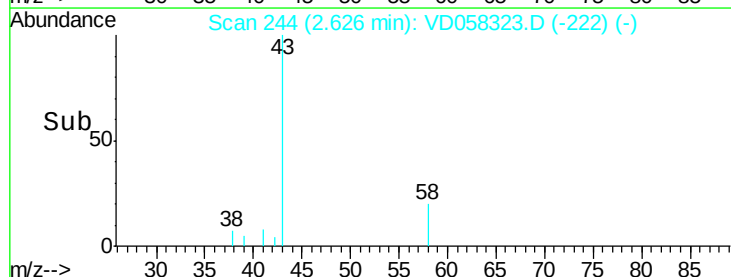
6000

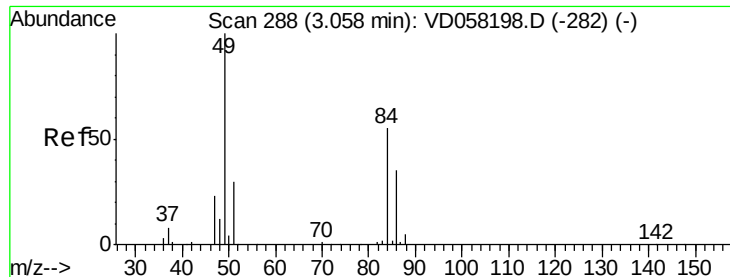
4000

2000

0

Time-->





#20

Methylene Chloride

Concen: 12.316 ug/l

RT: 3.09 min Scan# 291

Delta R.T. 0.03 min

Lab File: VD058323.D

Acq: 23 Jun 2018 5:41

Instrument :

MSVOA_D

ClientSampleId :

SP-D

Tot Ion: 84 Resp: 36752

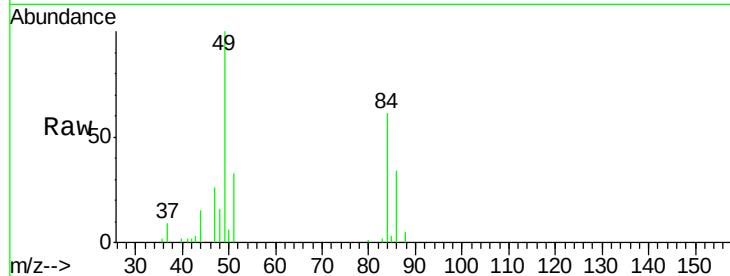
Ion Ratio Lower Upper

84 100

49 164.0 145.0 217.6

51 53.8 42.9 64.3

86 55.1 50.1 75.1

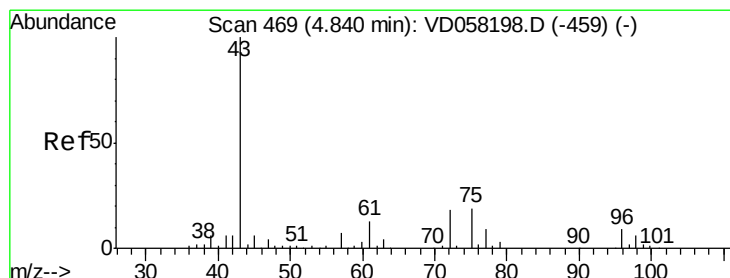
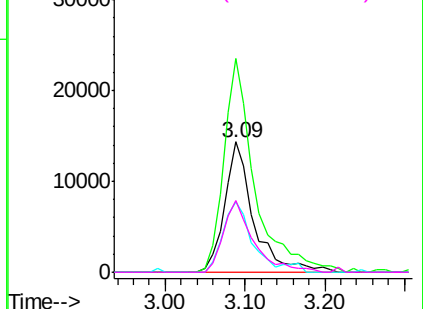
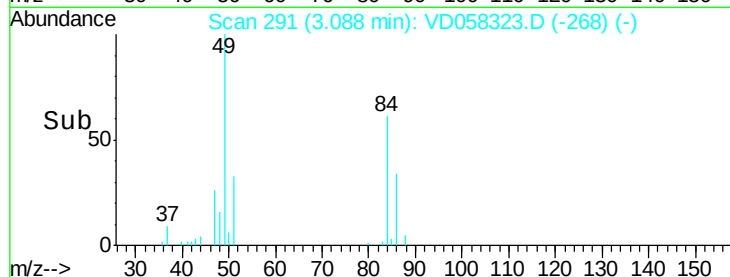


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#25

2-Butanone

Concen: 2.324 ug/l

RT: 4.86 min Scan# 471

Delta R.T. 0.02 min

Lab File: VD058323.D

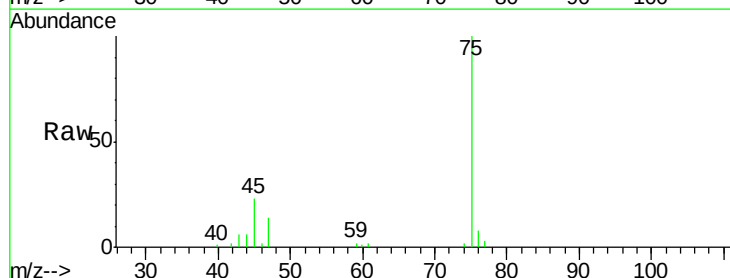
Acq: 23 Jun 2018 5:41

Tgt Ion: 43 Resp: 4482

Ion Ratio Lower Upper

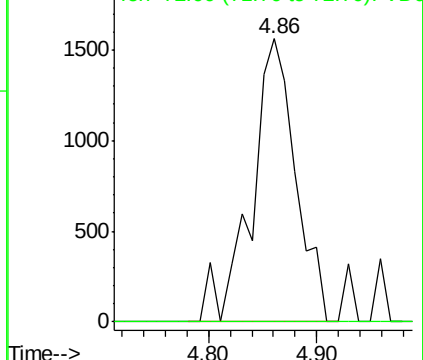
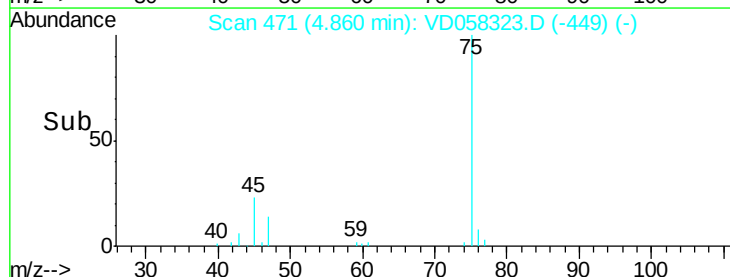
43 100

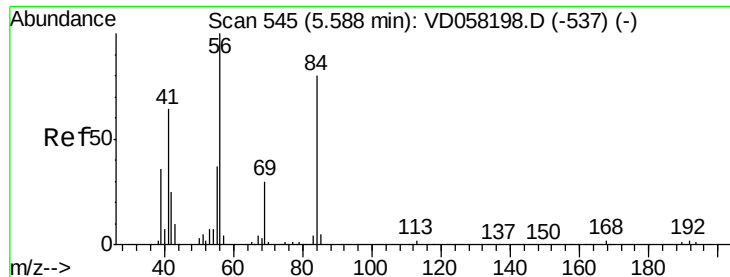
72 0.0 14.1 21.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

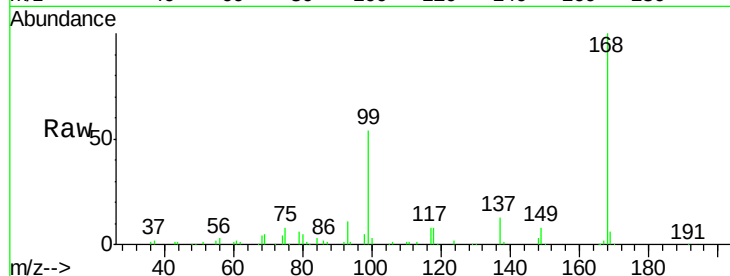




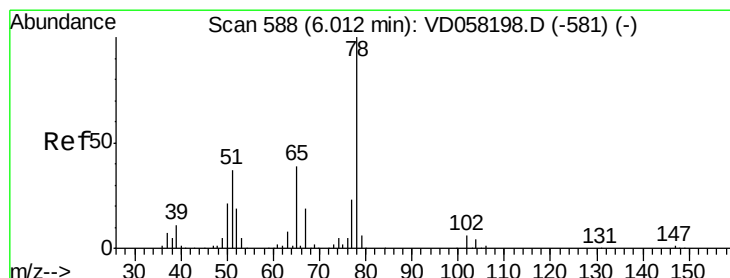
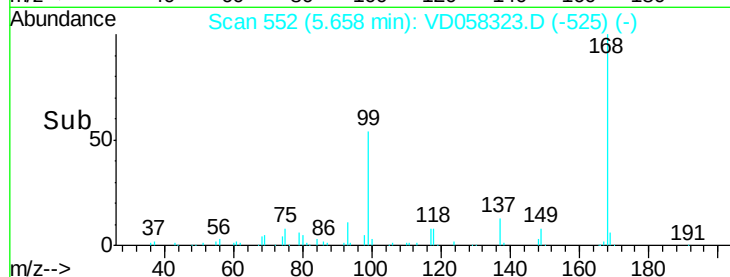
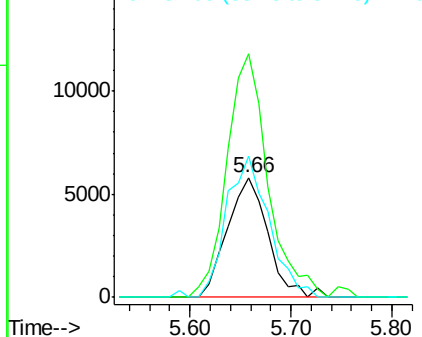
#31
Cyclohexane
Concen: Below Cal
RT: 5.66 min Scan# 552
Delta R.T. 0.07 min
Lab File: VD058323.D
Acq: 23 Jun 2018 5:41

Instrument :
MSVOA_D
ClientSampleId :
SP-D

Tot Ion: 56 Resp: 16216
Ion Ratio Lower Upper
56 100
69 203.2 23.6 35.4#
84 117.5 65.2 97.8#

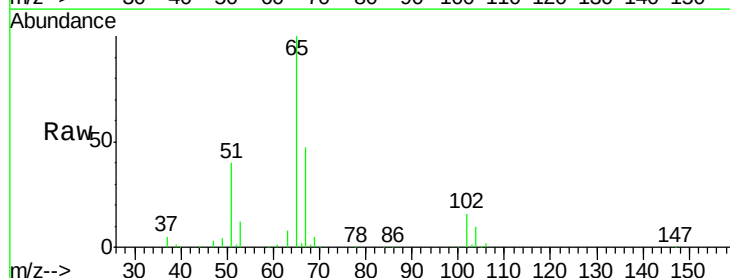


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

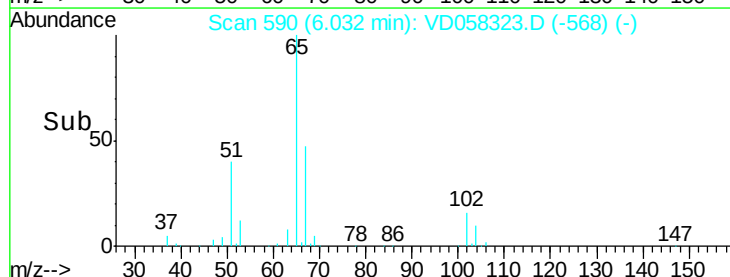
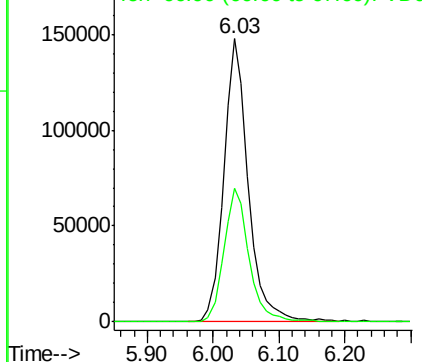


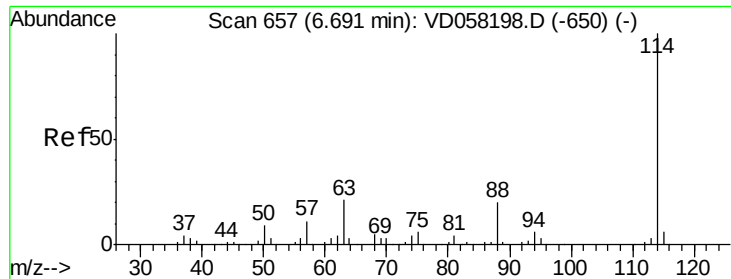
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.03 min Scan# 590
Delta R.T. 0.02 min
Lab File: VD058323.D
Acq: 23 Jun 2018 5:41

Tgt Ion: 65 Resp: 381623
Ion Ratio Lower Upper
65 100
67 47.3 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

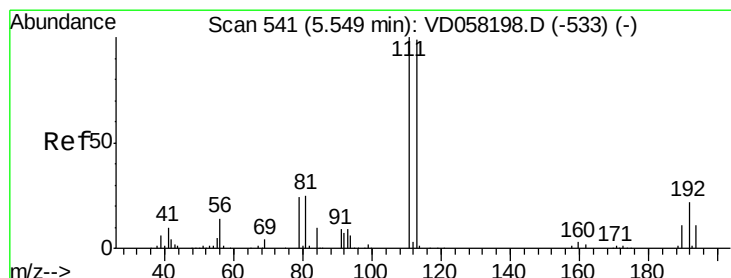
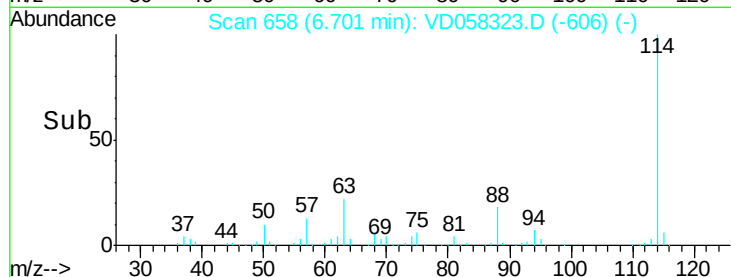
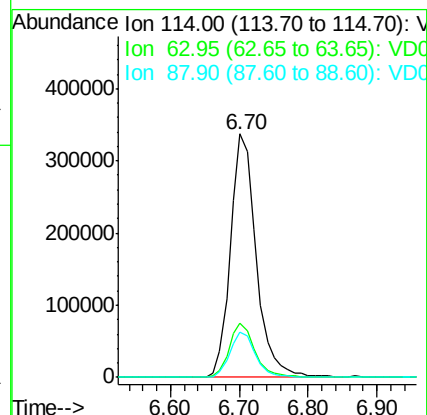
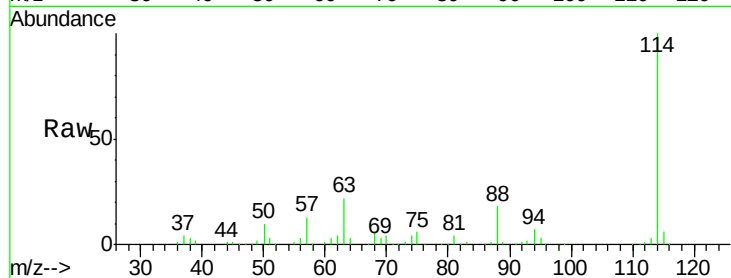




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.70 min Scan# 658
 Delta R.T. 0.01 min
 Lab File: VD058323.D
 Acq: 23 Jun 2018 5:41

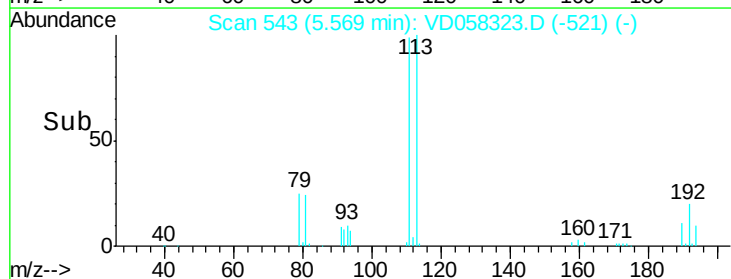
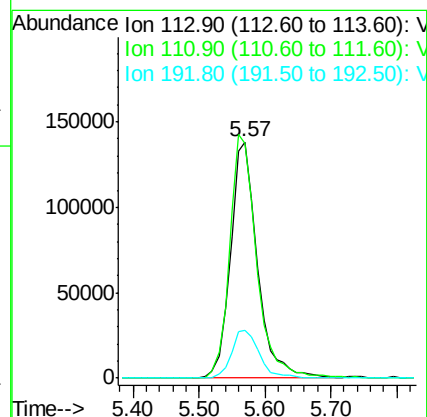
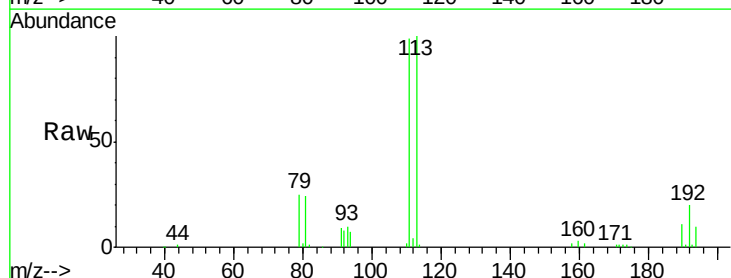
Instrument :
 MSVOA_D
 ClientSampleId :
 SP-D

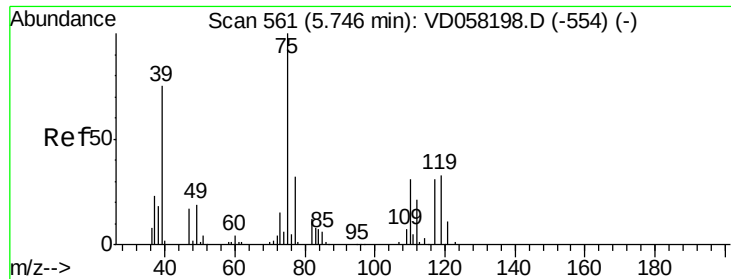
Tot Ion:114 Resp: 872381
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 42.6
 88 18.4 0.0 40.6



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.57 min Scan# 543
 Delta R.T. 0.02 min
 Lab File: VD058323.D
 Acq: 23 Jun 2018 5:41

Tgt Ion:113 Resp: 396885
 Ion Ratio Lower Upper
 113 100
 111 99.3 80.6 121.0
 192 20.4 17.8 26.6





#36

1,1-Dichloropropene

Concen: 6.240 ug/l

RT: 5.66 min Scan# 552

Delta R.T. -0.09 min

Lab File: VD058323.D

Acq: 23 Jun 2018 5:41

Instrument :

MSVOA_D

ClientSampleId :

SP-D

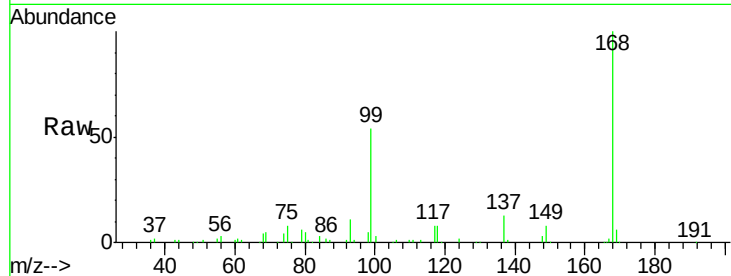
Tot Ion: 75 Resp: 53852

Ion Ratio Lower Upper

75 100

110 8.2 15.4 46.4#

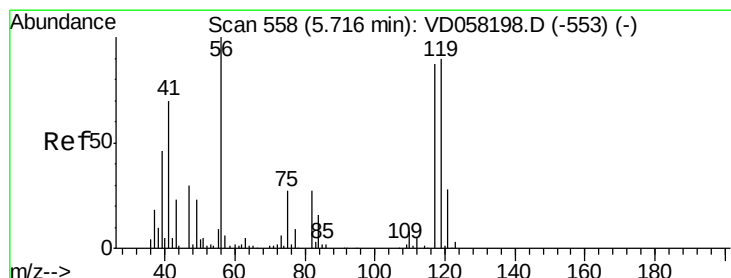
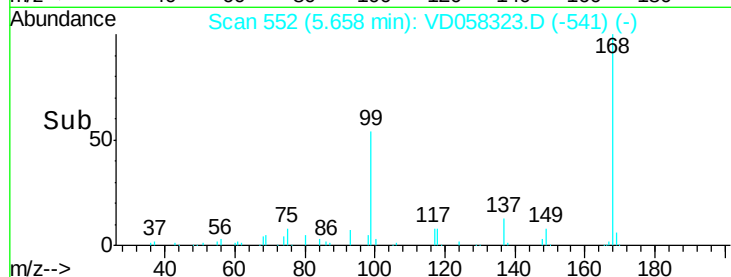
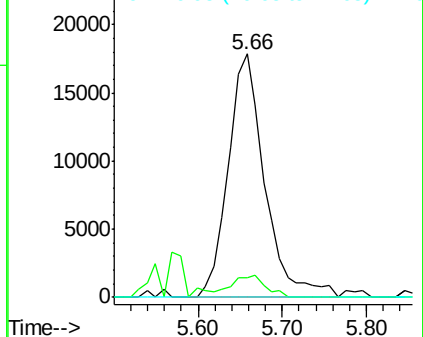
77 0.0 25.4 38.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#38

Carbon Tetrachloride

Concen: 5.890 ug/l

RT: 5.66 min Scan# 552

Delta R.T. -0.06 min

Lab File: VD058323.D

Acq: 23 Jun 2018 5:41

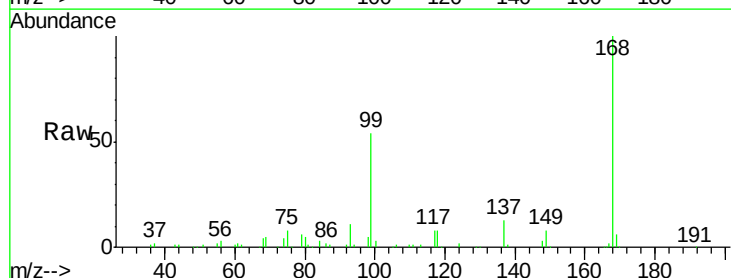
Tgt Ion: 117 Resp: 50505

Ion Ratio Lower Upper

117 100

119 4.1 78.8 118.2#

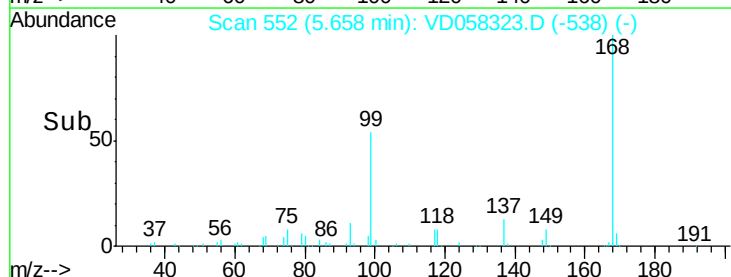
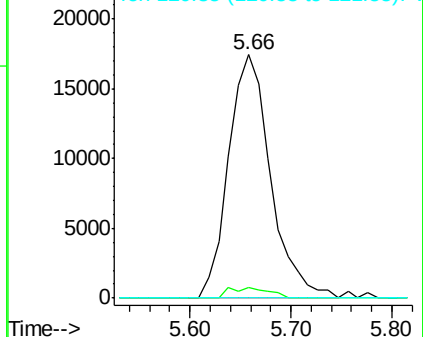
121 0.0 25.0 37.6#

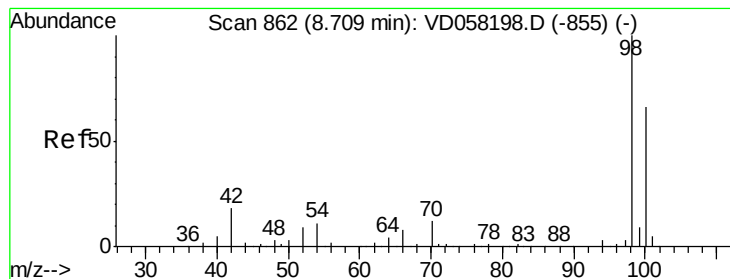


Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 118.85 (118.55 to 119.55): VDC

Ion 120.85 (120.55 to 121.55): VDC





#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.72 min Scan# 863

Delta R.T. 0.01 min

Lab File: VD058323.D

Acq: 23 Jun 2018 5:41

Instrument :

MSVOA_D

ClientSampleId :

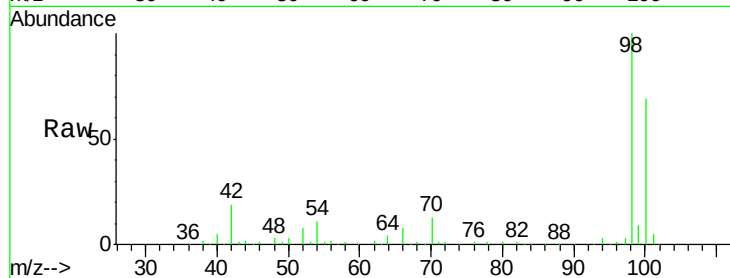
SP-D

Tot Ion: 98 Resp: 845429

Ion Ratio Lower Upper

98 100

100 69.5 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): VD0

Ion 100.05 (99.75 to 100.75): VD

8.72

400000

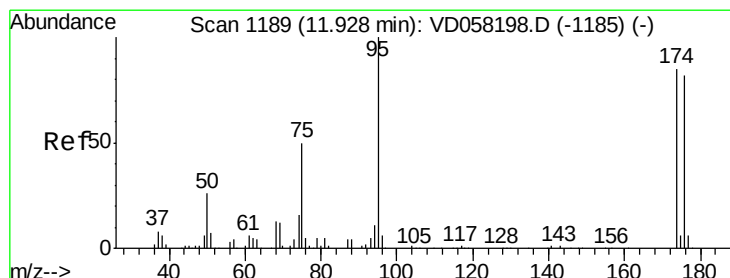
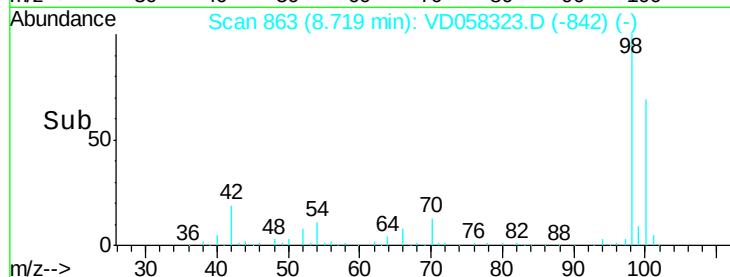
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD058323.D

Acq: 23 Jun 2018 5:41

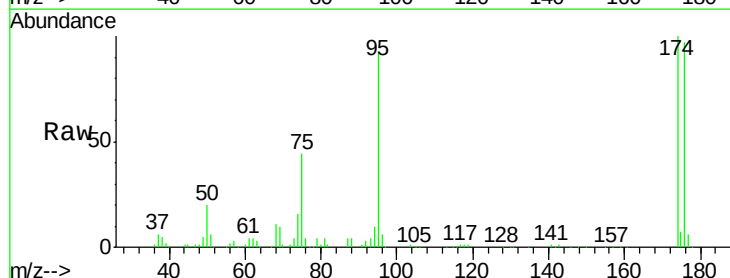
Tgt Ion: 95 Resp: 356422

Ion Ratio Lower Upper

95 100

174 107.4 0.0 170.2

176 104.4 0.0 164.6



Abundance Ion 95.00 (94.70 to 95.70): VD0

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

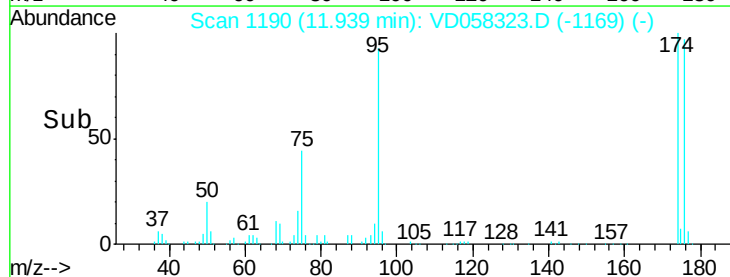
300000

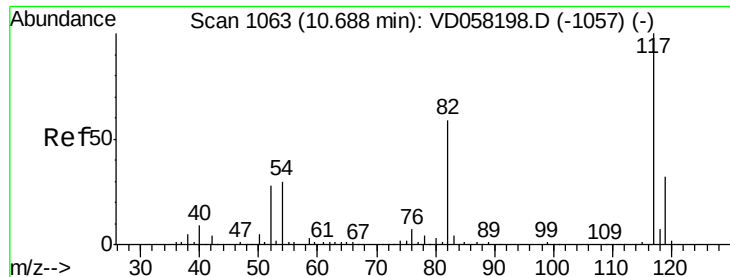
200000

100000

0

Time-->

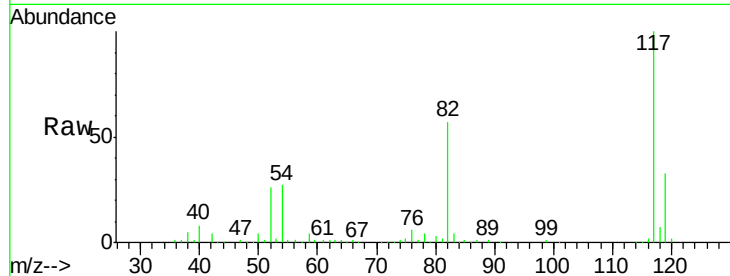




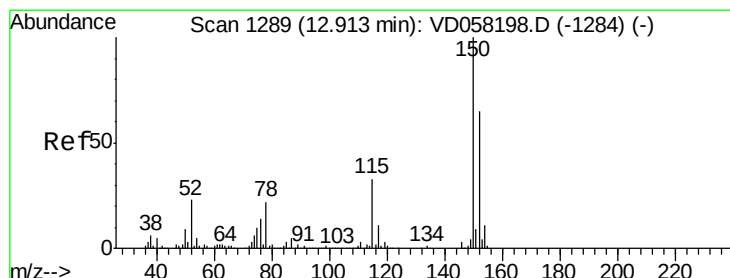
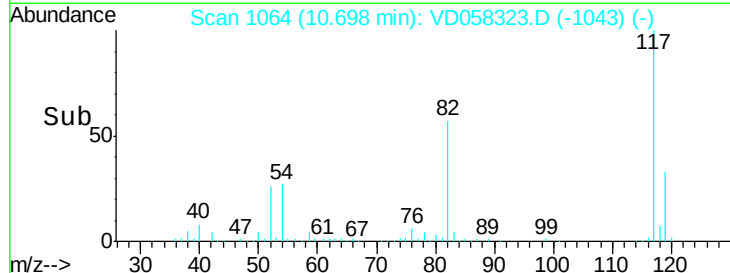
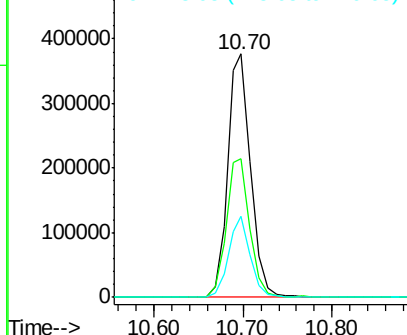
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058323.D
Acq: 23 Jun 2018 5:41

Instrument :
MSVOA_D
ClientSampleId :
SP-D

Tot Ion:117 Resp: 683913
Ion Ratio Lower Upper
117 100
82 56.9 47.0 70.6
119 33.1 25.3 37.9

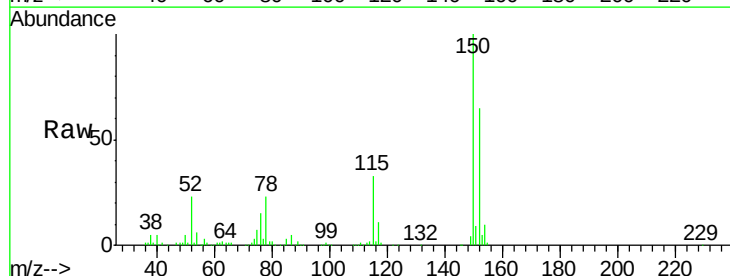


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

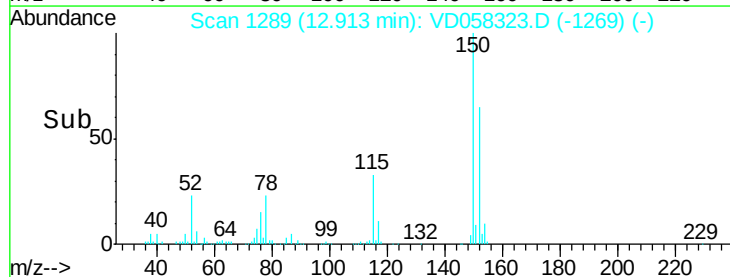
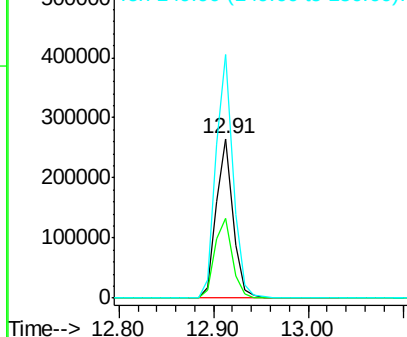


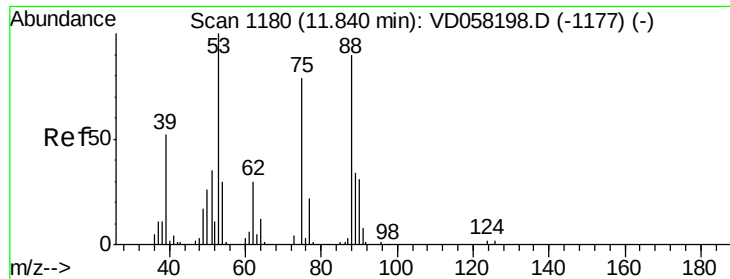
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD058323.D
Acq: 23 Jun 2018 5:41

Tgt Ion:152 Resp: 328469
Ion Ratio Lower Upper
152 100
115 50.3 25.1 75.3
150 152.8 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





#81

trans-1,4-Dichloro-2-butene

Concen: 147.613 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058323.D

Acq: 23 Jun 2018 5:41

Instrument :

MSVOA_D

ClientSampleID :

SP-D

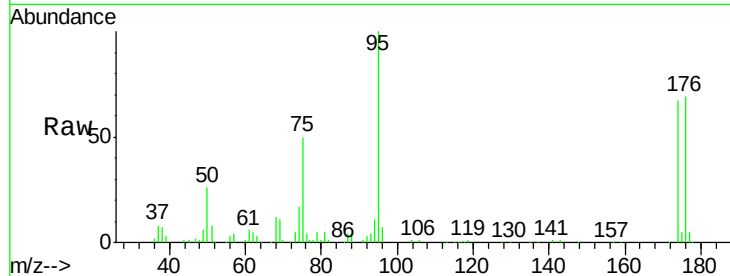
Tot Ion: 75 Resp: 172655

Ion Ratio Lower Upper

75 100

53 0.0 100.8 151.2#

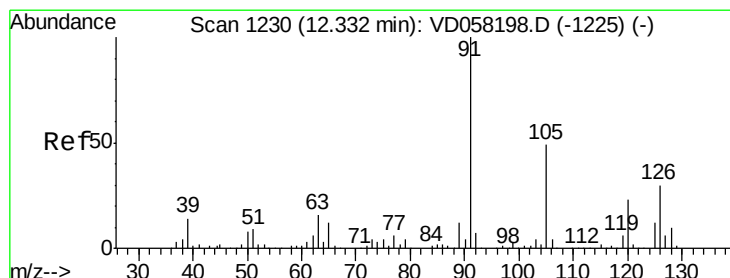
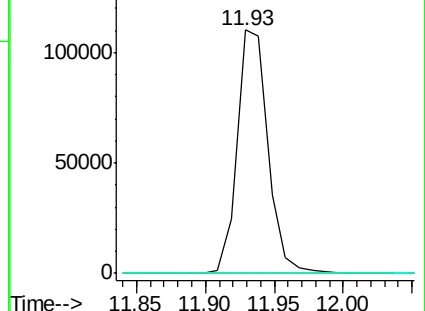
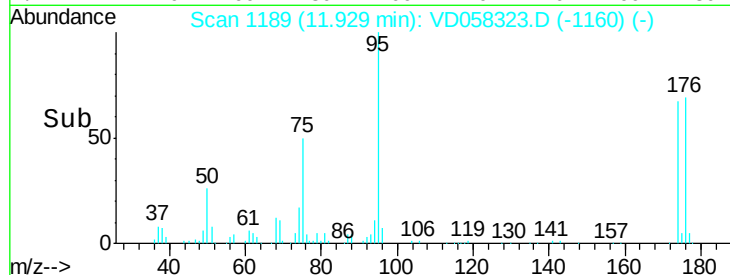
89 0.0 34.6 52.0#



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: VD058323.D

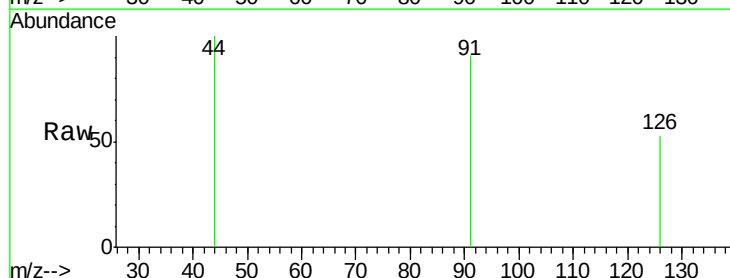
Acq: 23 Jun 2018 5:41

Tgt Ion: 91 Resp: 1060

Ion Ratio Lower Upper

91 100

126 58.2 14.9 44.9#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

