

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062118\
 Data File : VD058286.D
 Acq On : 22 Jun 2018 9:30
 Operator : VA/AP
 Sample : J3582-05RE
 Misc : 6.08g/5ml/MSVOA D/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SSP-B-2-GRAB

Quant Time: Jun 22 10:52:35 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	639481	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.70	114	862376	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	626734	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	242476	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	378333	58.57	ug/l	0.00
Spiked Amount			Recovery	=	117.14%	
35) Dibromofluoromethane	5.56	113	307803	43.85	ug/l	0.00
Spiked Amount			Recovery	=	87.70%	
50) Toluene-d8	8.72	98	843021	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	
62) 4-Bromofluorobenzene	11.94	95	302490	43.61	ug/l	0.00
Spiked Amount			Recovery	=	87.22%	

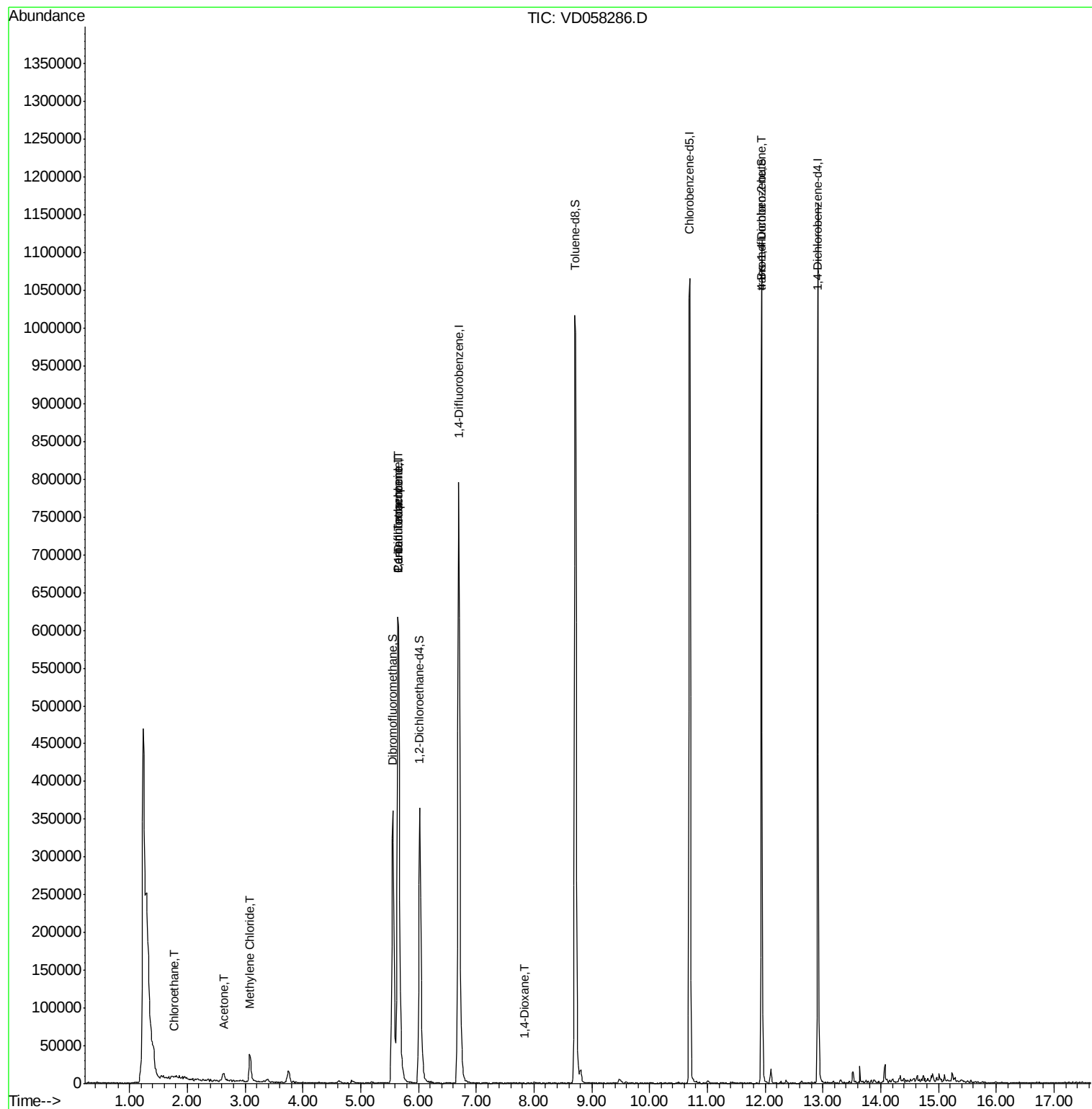
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.36	85	395	Below Cal	#	43
5) Bromomethane	1.81	94	236	Below Cal	#	3
6) Chloroethane	1.77	64	198	1.54	ug/l	41
16) Acetone	2.63	43	22521	25.49	ug/l	97
20) Methylene Chloride	3.08	84	15644	2.23	ug/l	94
31) Cyclohexane	5.65	56	14363	Below Cal	#	1
36) 1,1-Dichloropropene	5.65	75	52396	6.14	ug/l	49
38) Carbon Tetrachloride	5.66	117	53896	6.36	ug/l	13
49) 1,4-Dioxane	7.83	88	227	6.38	ug/l	26
81) trans-1,4-Dichloro-2-buten	11.94	75	147995	171.40	ug/l	1

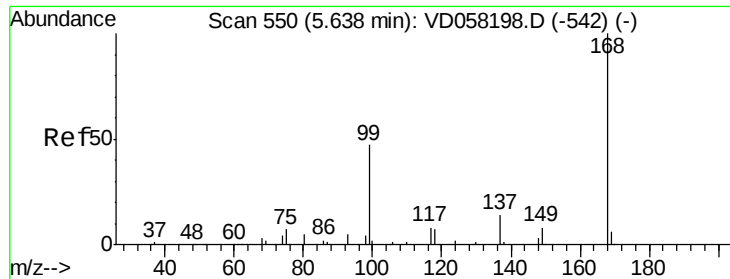
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 22 10:52:35 2018
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Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 552

Delta R.T. 0.02 min

Lab File: VD058286.D

Acq: 22 Jun 2018 9:30

Instrument :

MSVOA_D

ClientSampleId :

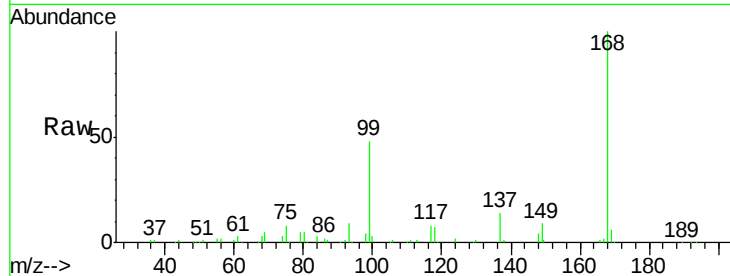
SSP-B-2-GRAB

Tot Ion:168 Resp: 639481

Ion Ratio Lower Upper

168 100

99 48.0 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

250000

200000

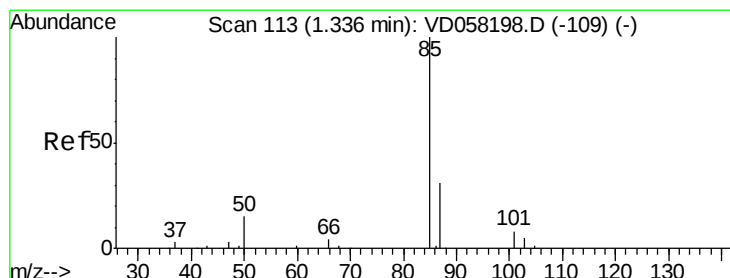
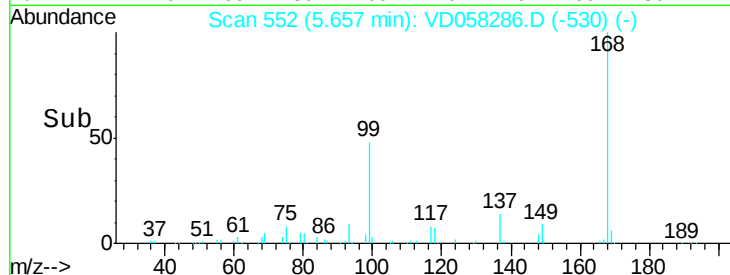
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.36 min Scan# 116

Delta R.T. 0.03 min

Lab File: VD058286.D

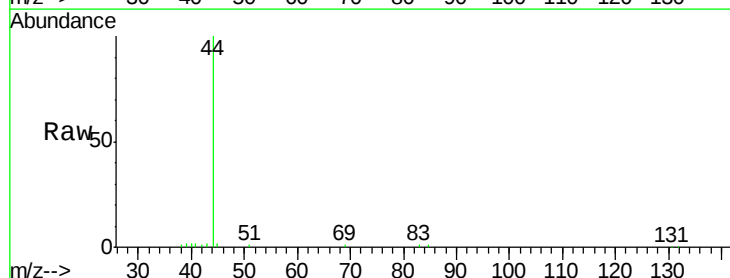
Acq: 22 Jun 2018 9:30

Tgt Ion: 85 Resp: 395

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

1.36

400

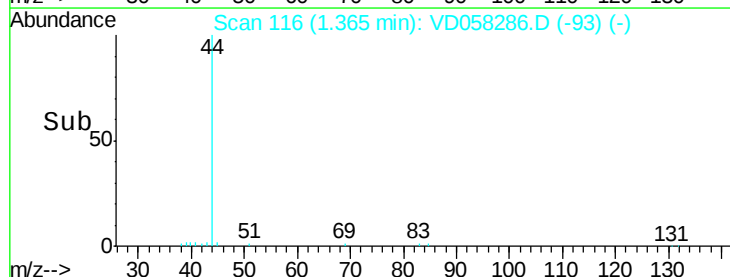
300

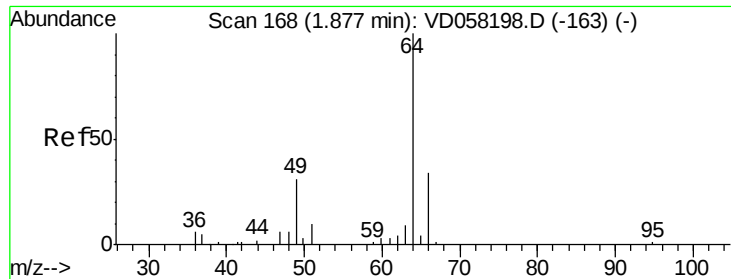
200

100

0

Time-->





#6

Chloroethane

Concen: 1.54 ug/l

RT: 1.77 min Scan# 157

Delta R.T. -0.11 min

Lab File: VD058286.D

Acq: 22 Jun 2018 9:30

Instrument :

MSVOA_D

ClientSampleId :

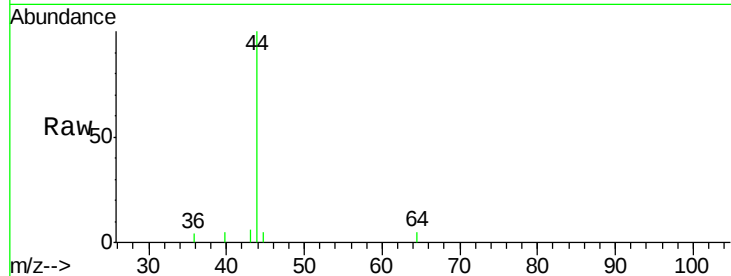
SSP-B-2-GRAB

Tot Ion: 64 Resp: 198

Ion Ratio Lower Upper

64 100

66 0.0 27.3 40.9#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

1.77

300

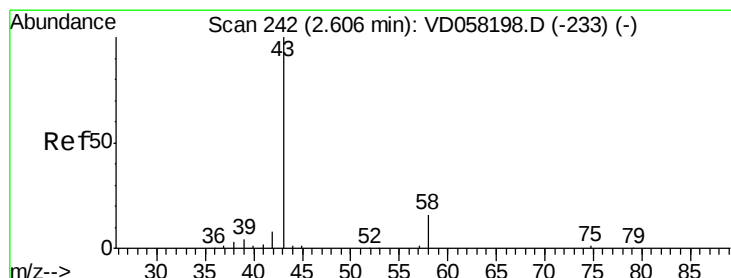
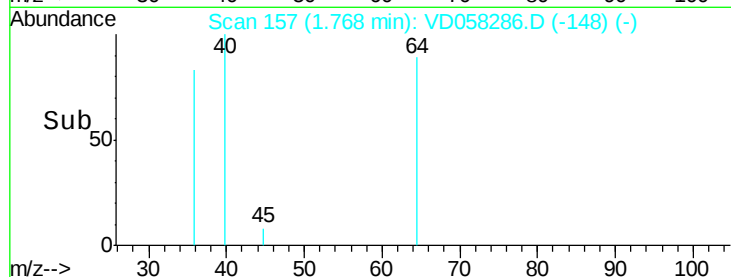
200

100

0

1.74 1.76 1.78 1.80

Time-->



#16

Acetone

Concen: 25.49 ug/l

RT: 2.63 min Scan# 245

Delta R.T. 0.03 min

Lab File: VD058286.D

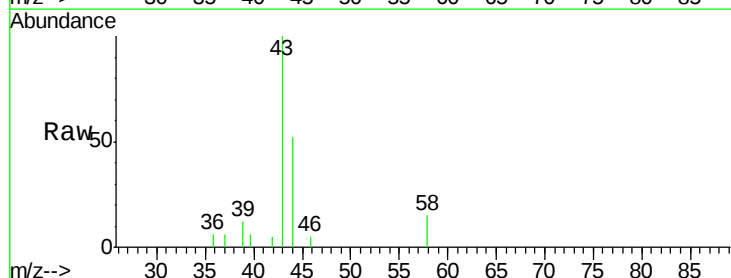
Acq: 22 Jun 2018 9:30

Tgt Ion: 43 Resp: 22521

Ion Ratio Lower Upper

43 100

58 14.7 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

6000

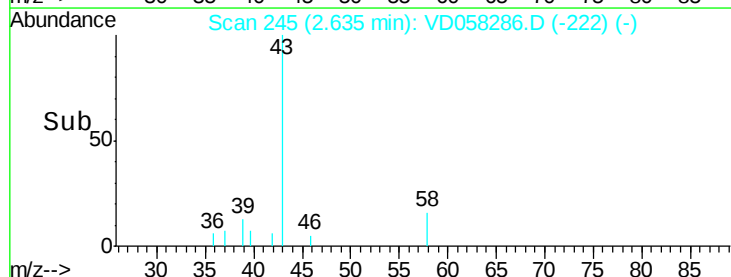
4000

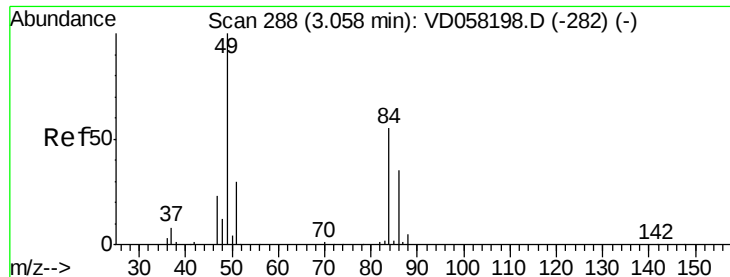
2000

0

2.50 2.60 2.70

Time-->

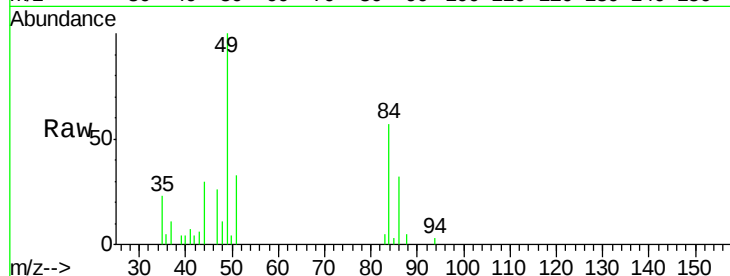




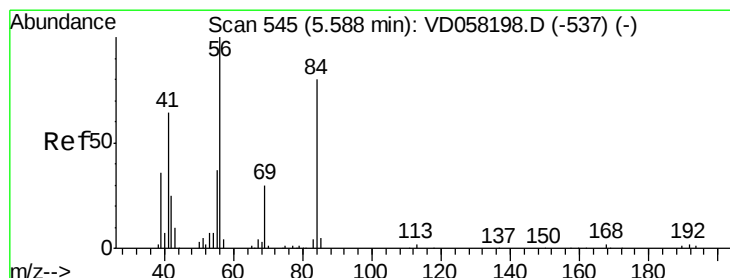
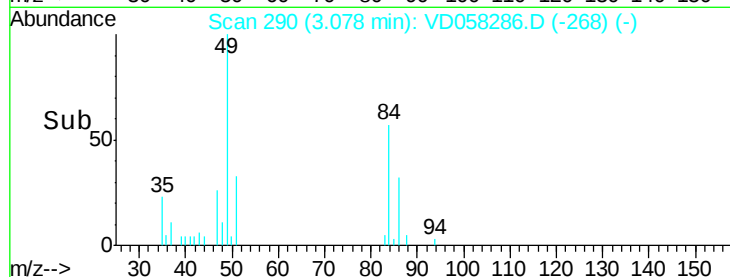
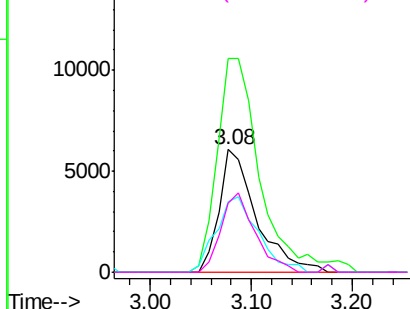
#20
Methvlene Chloride
Concen: 2.23 ua/l
RT: 3.08 min Scan# 290
Delta R.T. 0.02 min
Lab File: VD058286.D
Acq: 22 Jun 2018 9:30

Instrument :
MSVOA_D
ClientSampleId :
SSP-B-2-GRAB

Tot Ion: 84 Resp: 15644
Ion Ratio Lower Upper
84 100
49 174.3 145.0 217.6
51 57.6 42.9 64.3
86 56.6 50.1 75.1

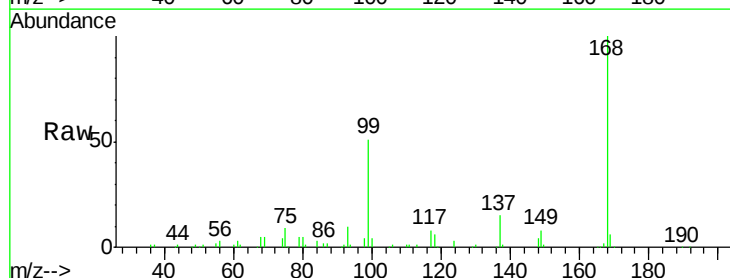


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

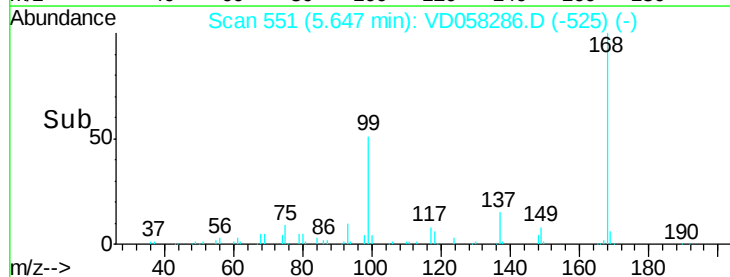
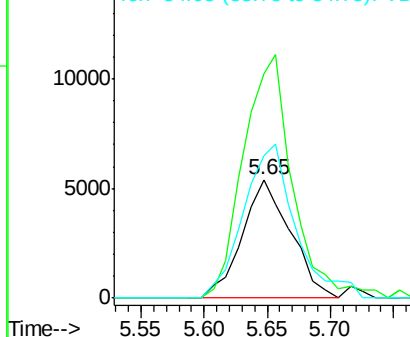


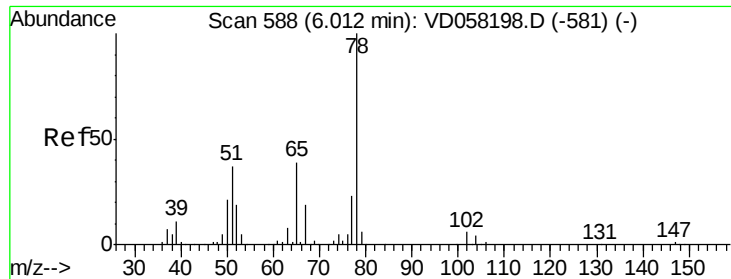
#31
Cyclohexane
Concen: Below Cal
RT: 5.65 min Scan# 551
Delta R.T. 0.06 min
Lab File: VD058286.D
Acq: 22 Jun 2018 9:30

Tgt Ion: 56 Resp: 14363
Ion Ratio Lower Upper
56 100
69 188.4 23.6 35.4#
84 120.0 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: 6.02 min Scan# 589

Delta R.T. 0.01 min

Lab File: VD058286.D

Acq: 22 Jun 2018 9:30

Instrument :

MSVOA_D

ClientSampleId :

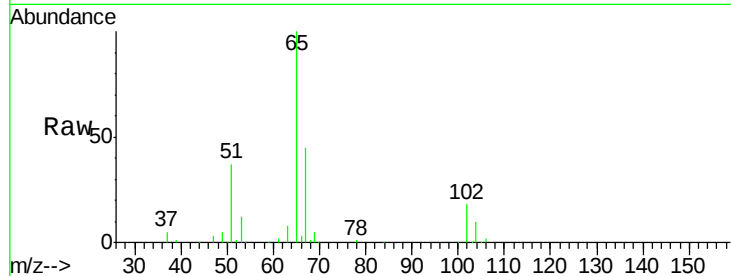
SSP-B-2-GRAB

Tot Ion: 65 Resp: 378333

Ion Ratio Lower Upper

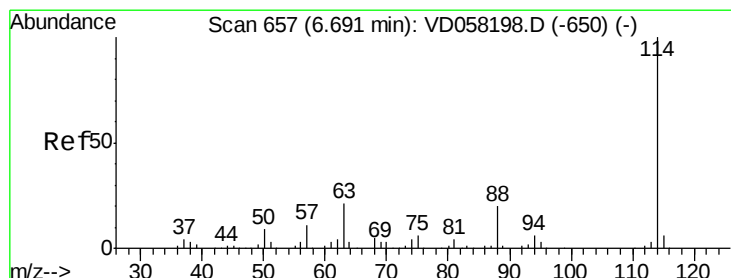
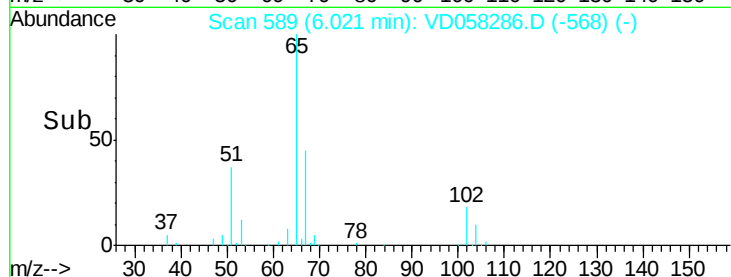
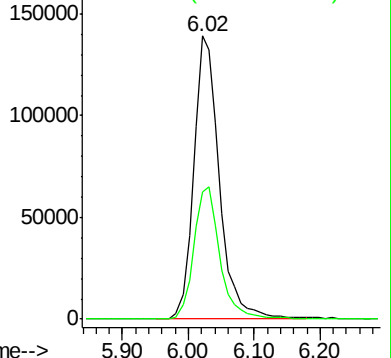
65 100

67 45.1 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: 50.00 ug/l

RT: 6.70 min Scan# 658

Delta R.T. 0.01 min

Lab File: VD058286.D

Acq: 22 Jun 2018 9:30

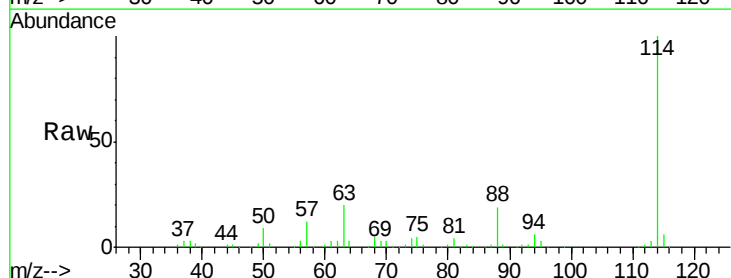
Tgt Ion: 114 Resp: 862376

Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.6

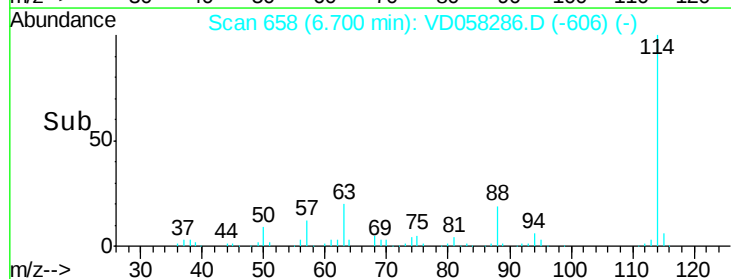
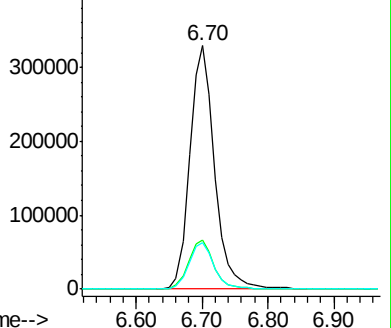
88 19.0 0.0 40.6

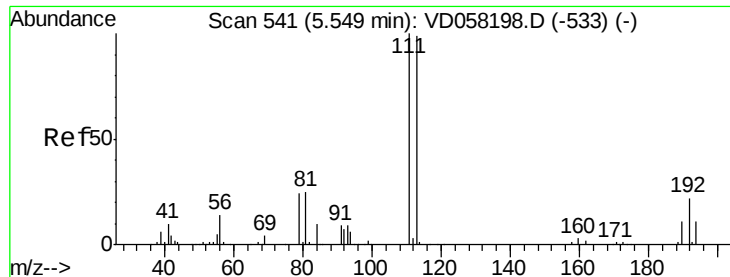


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.56 min Scan# 542

Delta R.T. 0.01 min

Lab File: VD058286.D

Acq: 22 Jun 2018 9:30

Instrument :

MSVOA_D

ClientSampleId :

SSP-B-2-GRAB

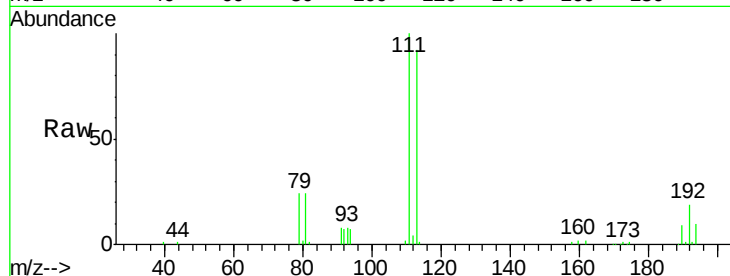
Tot Ion:113 Resp: 307803

Ion Ratio Lower Upper

113 100

111 109.2 80.6 121.0

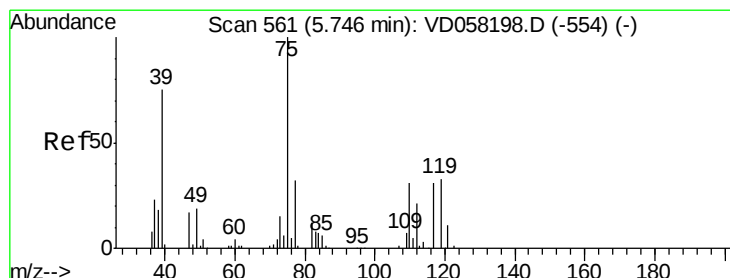
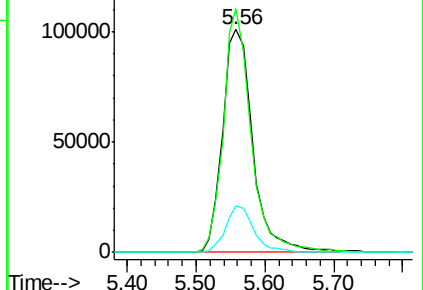
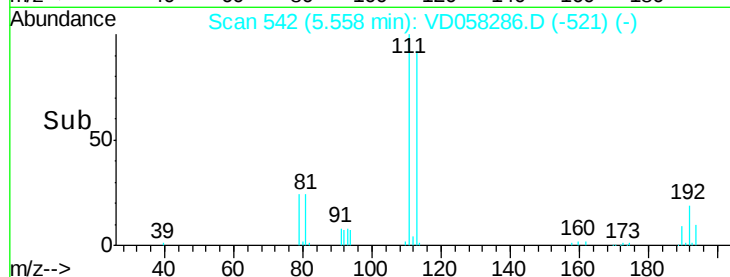
192 21.1 17.8 26.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 6.14 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.10 min

Lab File: VD058286.D

Acq: 22 Jun 2018 9:30

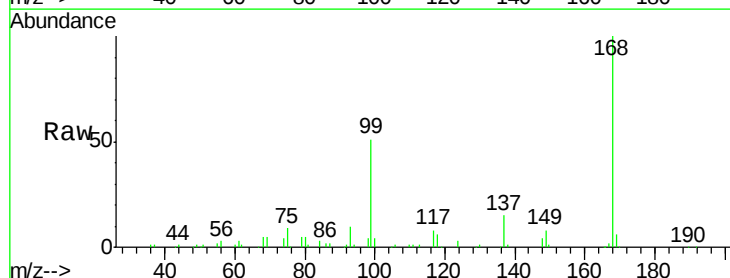
Tgt Ion: 75 Resp: 52396

Ion Ratio Lower Upper

75 100

110 6.4 15.4 46.4#

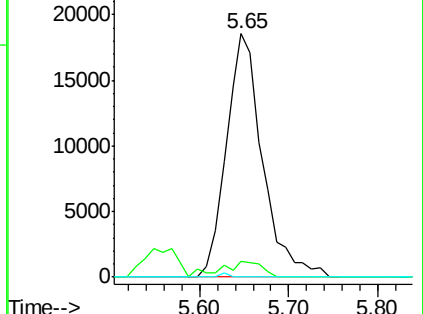
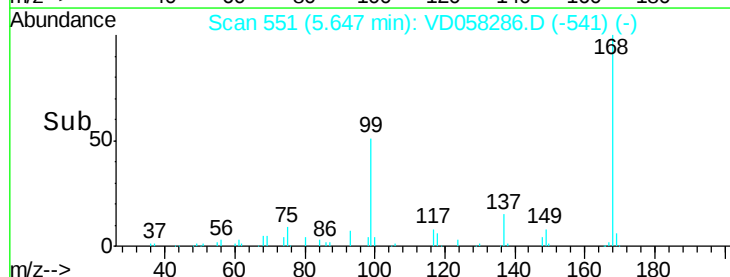
77 0.0 25.4 38.2#

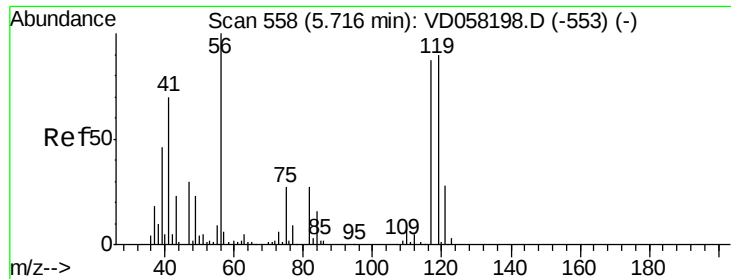


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

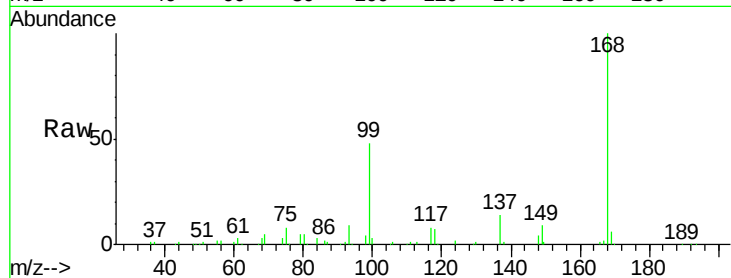




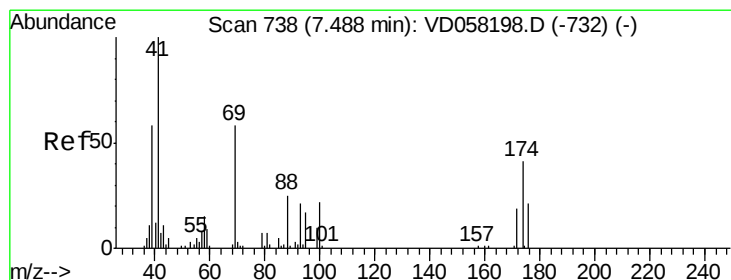
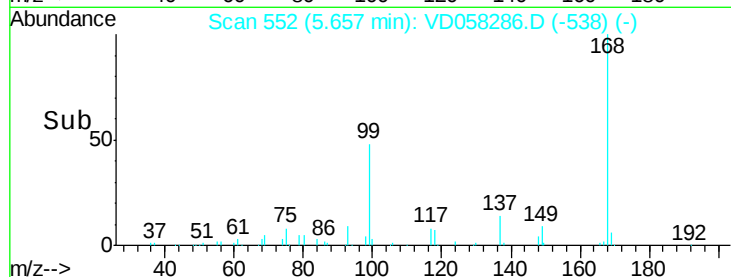
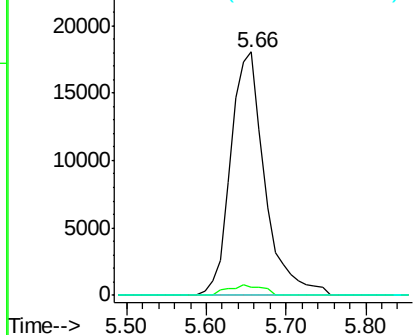
#38
Carbon Tetrachloride
Concen: 6.36 ug/l
RT: 5.66 min Scan# 552
Delta R.T. -0.06 min
Lab File: VD058286.D
Acq: 22 Jun 2018 9:30

Instrument :
MSVOA_D
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SSP-B-2-GRAB

Tot Ion:117 Resp: 53896
Ion Ratio Lower Upper
117 100
119 3.3 78.8 118.2#
121 0.0 25.0 37.6#

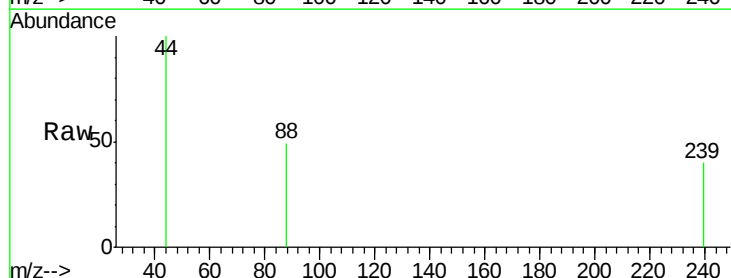


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

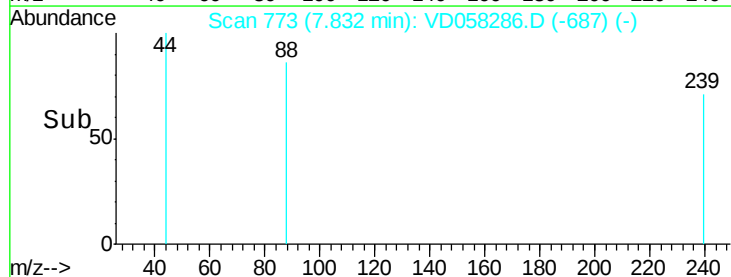
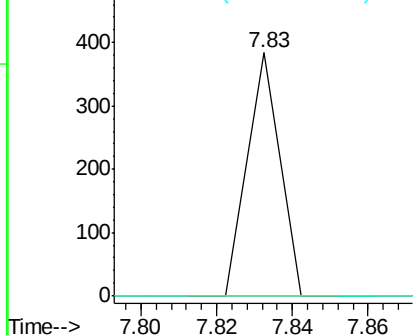


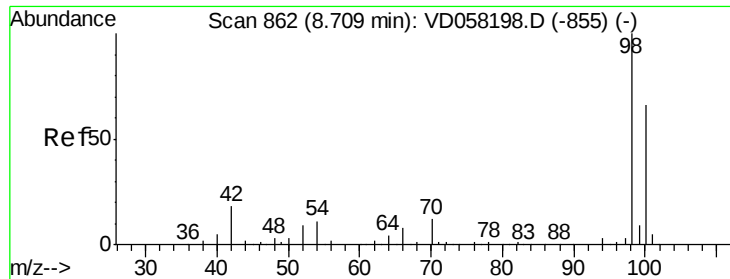
#49
1,4-Dioxane
Concen: 6.38 ug/l
RT: 7.83 min Scan# 773
Delta R.T. 0.34 min
Lab File: VD058286.D
Acq: 22 Jun 2018 9:30

Tgt Ion: 88 Resp: 227
Ion Ratio Lower Upper
88 100
43 0.0 34.2 51.2#
58 0.0 47.9 71.9#



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

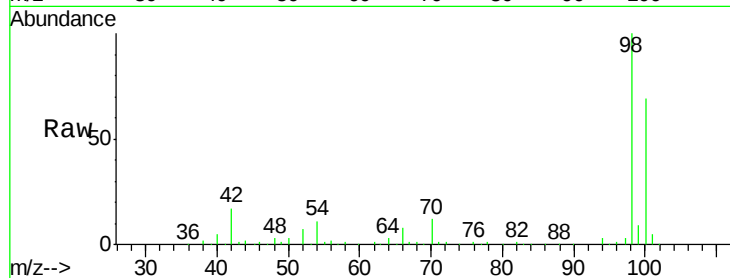




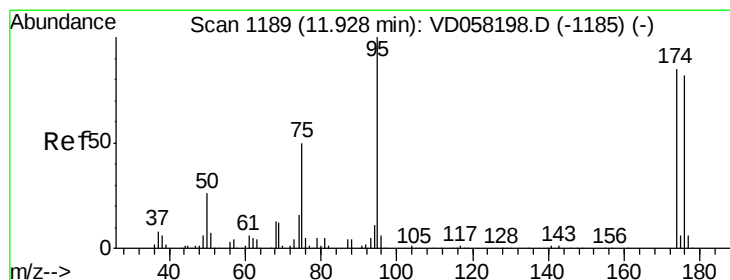
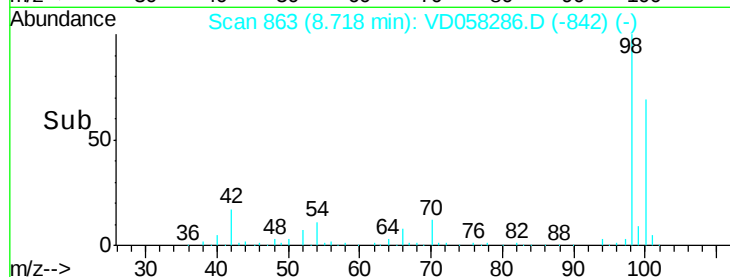
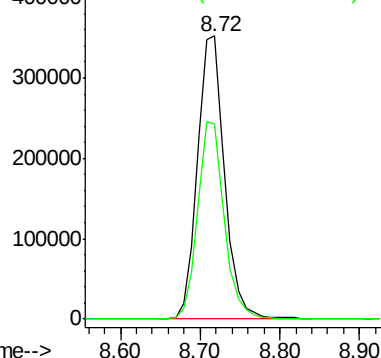
#50
Toluene-d8
Concen: 6.38 ug/l
RT: 8.72 min Scan# 863
Delta R.T. 0.01 min
Lab File: VD058286.D
Acq: 22 Jun 2018 9:30

Instrument :
MSVOA_D
ClientSampleId :
SSP-B-2-GRAB

Tot Ion: 98 Resp: 843021
Ion Ratio Lower Upper
98 100
100 68.8 53.6 80.4

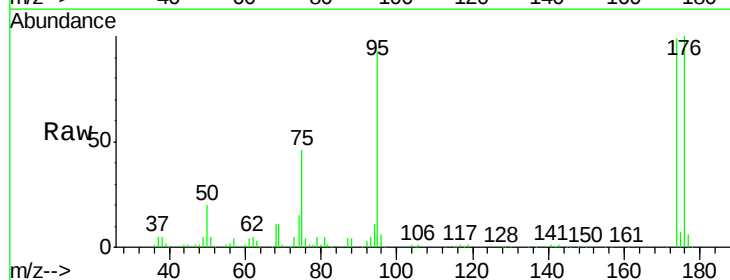


Abundance Ion 98.05 (97.75 to 98.75): VD058198.D (-855) (-)
Ion 100.05 (99.75 to 100.75): VD058198.D (-855) (-)

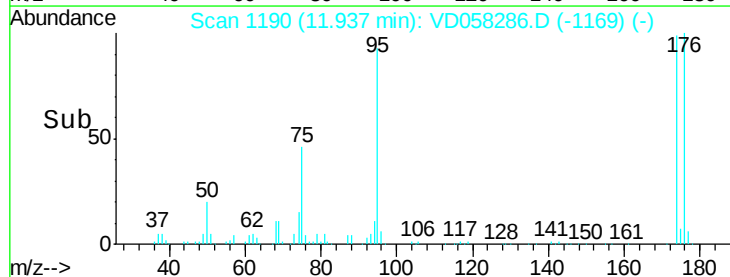
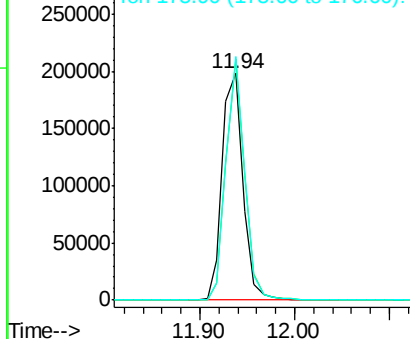


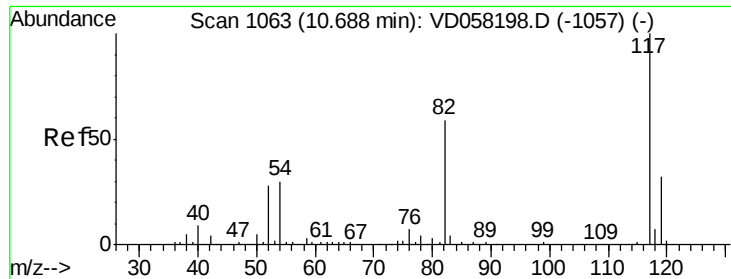
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.94 min Scan# 1190
Delta R.T. 0.01 min
Lab File: VD058286.D
Acq: 22 Jun 2018 9:30

Tgt Ion: 95 Resp: 302490
Ion Ratio Lower Upper
95 100
174 106.0 0.0 170.2
176 107.4 0.0 164.6



Abundance Ion 95.00 (94.70 to 95.70): VD058198.D (-1185) (-)
Ion 173.90 (173.60 to 174.60): VD058198.D (-1185) (-)
Ion 175.90 (175.60 to 176.60): VD058198.D (-1185) (-)

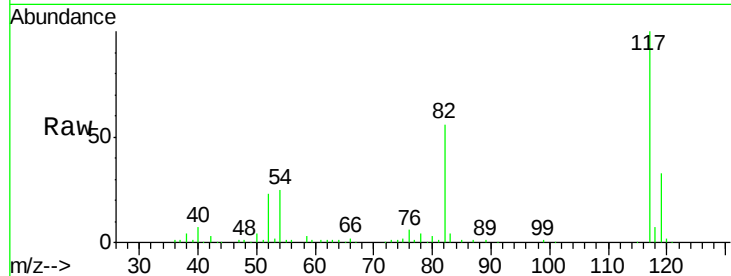




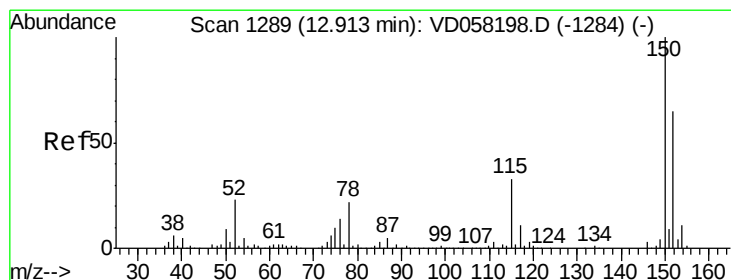
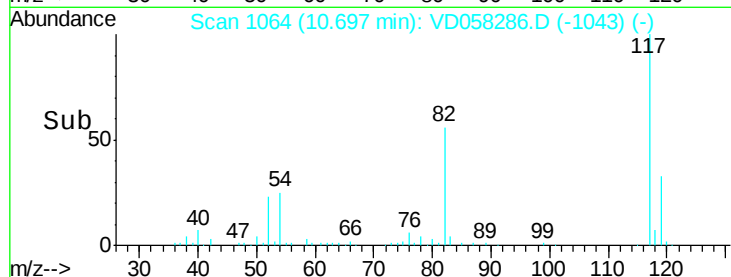
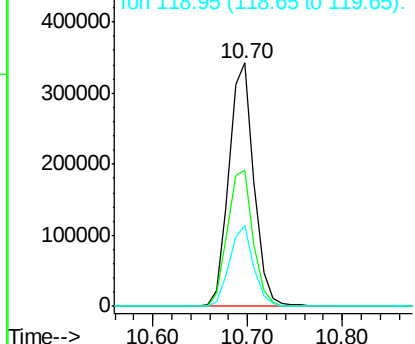
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058286.D
Acq: 22 Jun 2018 9:30

Instrument :
MSVOA_D
ClientSampleId :
SSP-B-2-GRAB

Tot Ion:117 Resp: 626734
Ion Ratio Lower Upper
117 100
82 55.9 47.0 70.6
119 33.1 25.3 37.9

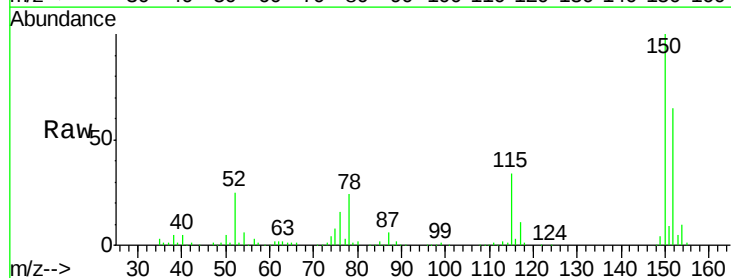


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

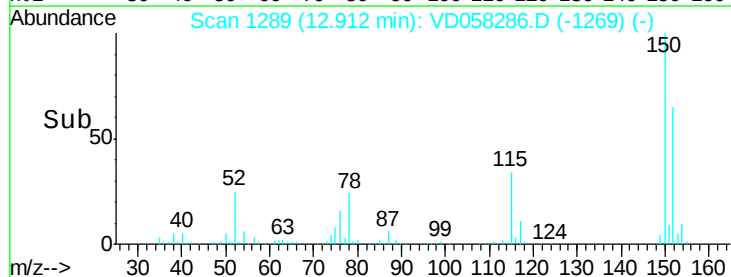
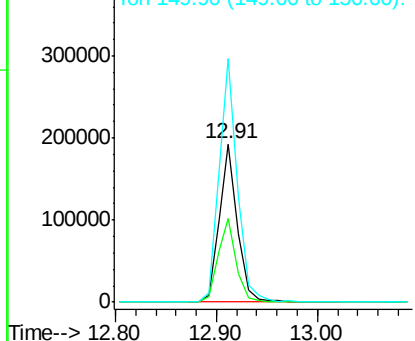


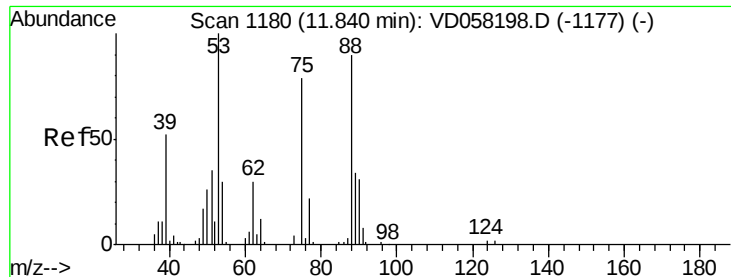
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VD058286.D
Acq: 22 Jun 2018 9:30

Tgt Ion:152 Resp: 242476
Ion Ratio Lower Upper
152 100
115 53.0 25.1 75.3
150 153.7 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: 171.40 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.10 min

Lab File: VD058286.D

Acq: 22 Jun 2018 9:30

Instrument :

MSVOA_D

ClientSampleId :

SSP-B-2-GRAB

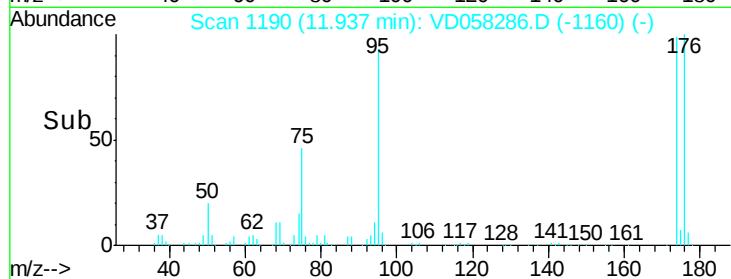
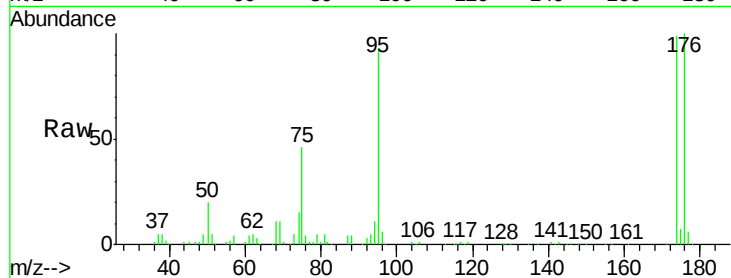
Tot Ion: 75 Resp: 147995

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

