

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
 Data File : VD058218.D
 Acq On : 20 Jun 2018 19:07
 Operator : VA/AP
 Sample : J3582-05
 Misc : 6.33q/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Jun 21 01:47:04 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	5.64	168	605921	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	818260	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	587778	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	227830	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	317119	51.82	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.64%	
35) Dibromofluoromethane	5.54	113	279314	41.94	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	83.88%	
50) Toluene-d8	8.71	98	694146	43.08	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	86.16%	
62) 4-Bromofluorobenzene	11.93	95	245622	37.32	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	74.64%	

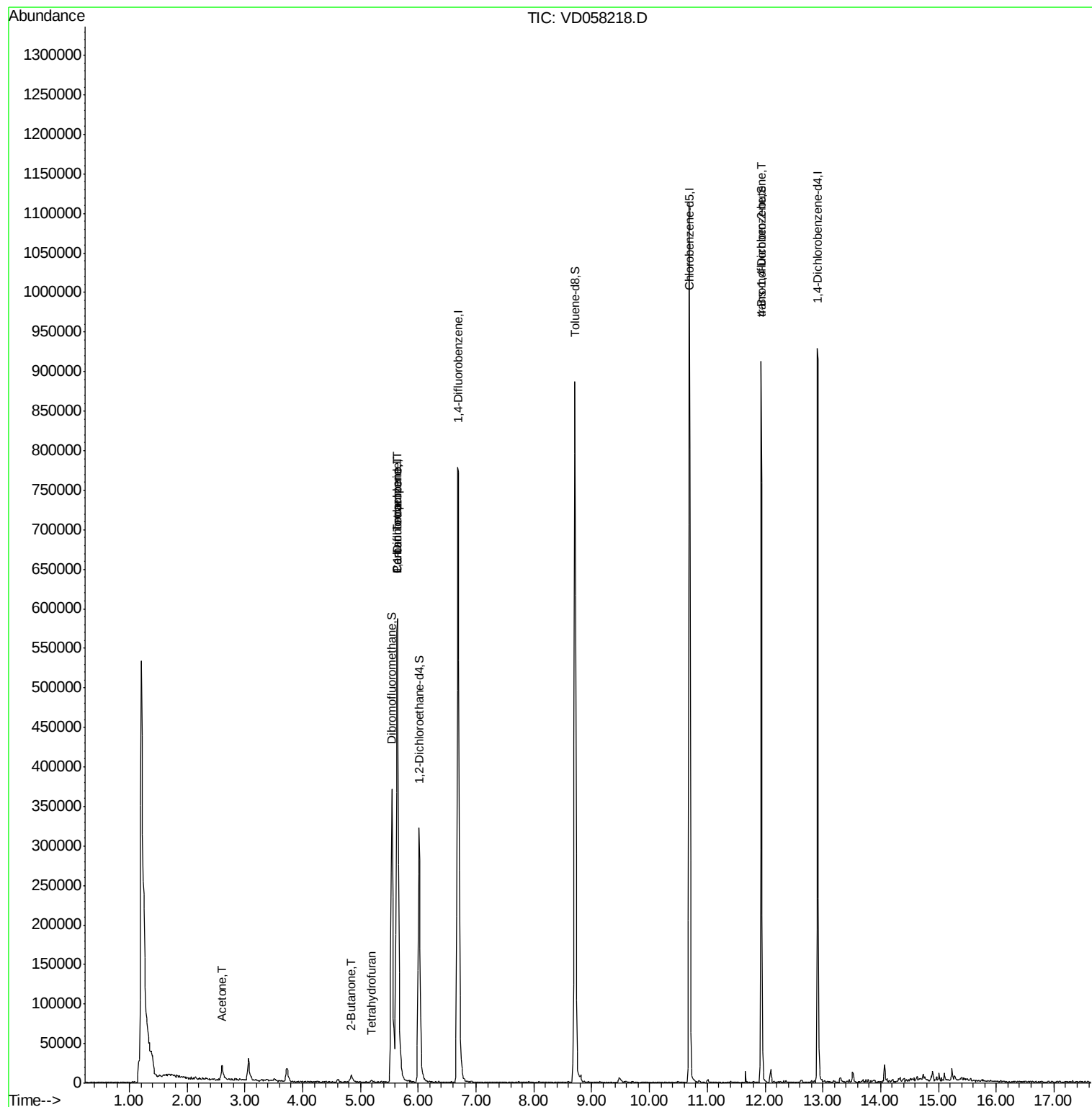
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	984	Below Cal	#	43
3) Chloromethane	1.47	50	476	Below Cal	#	43
5) Bromomethane	1.79	94	184	Below Cal	#	3
16) Acetone	2.60	43	37735	45.084	ug/l	94
25) 2-Butanone	4.84	43	2677	1.467	ug/l #	60
29) Tetrahydrofuran	5.19	42	1617	1.665	ug/l #	37
31) Cyclohexane	5.63	56	12930	Below Cal	#	1
36) 1,1-Dichloropropene	5.64	75	51465	6.358	ug/l #	49
38) Carbon Tetrachloride	5.63	117	47615	5.920	ug/l #	14
81) trans-1,4-Dichloro-2-buten	11.93	75	122367	150.832	ug/l #	1
82) 4-Chlorotoluene	12.33	91	728	Below Cal	#	45

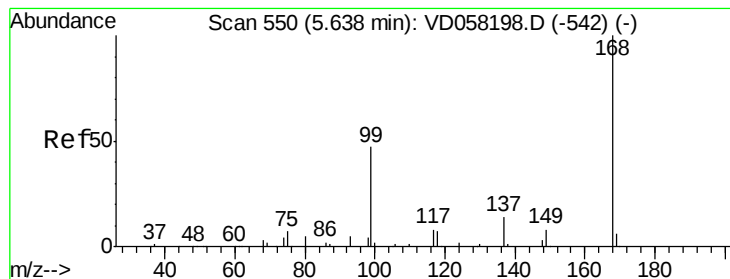
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062018\
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Quant Time: Jun 21 01:47:04 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. 0.00 min

Lab File: VD058218.D

Acq: 20 Jun 2018 19:07

Instrument :

MSVOA_D

ClientSampleId :

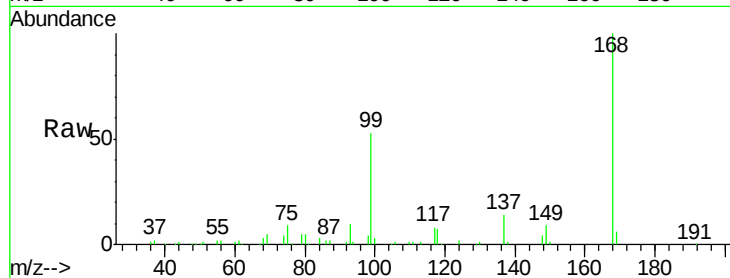
SSP-B-2-GRAB

Tot Ion:168 Resp: 605921

Ion Ratio Lower Upper

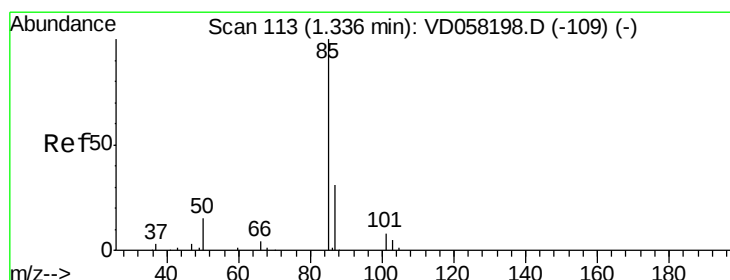
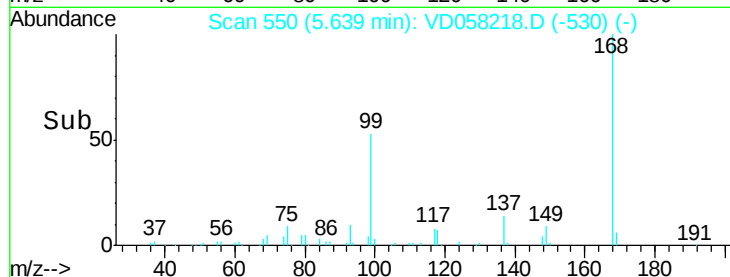
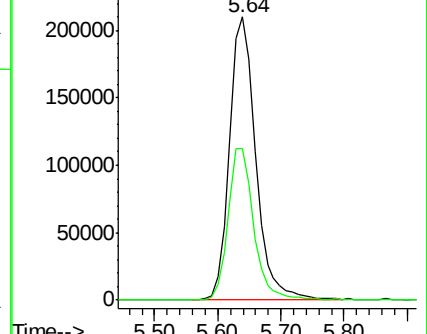
168 100

99 53.4 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: 1.34 min Scan# 113

Delta R.T. 0.00 min

Lab File: VD058218.D

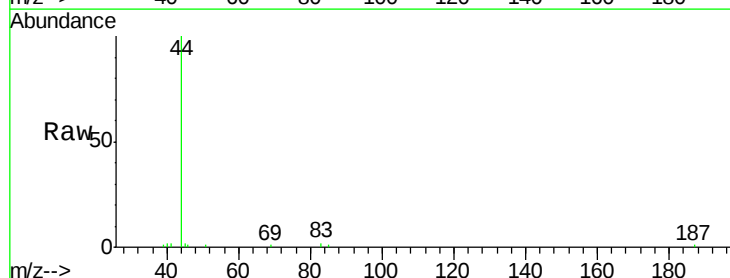
Acq: 20 Jun 2018 19:07

Tgt Ion: 85 Resp: 984

Ion Ratio Lower Upper

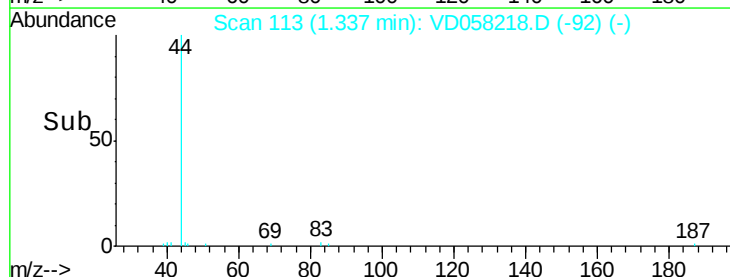
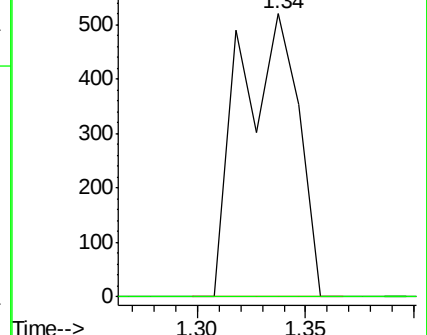
85 100

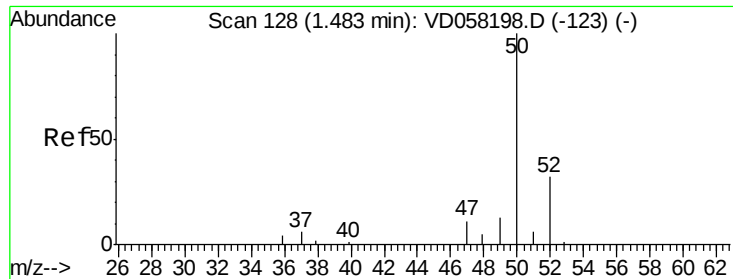
87 0.0 15.7 47.0#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

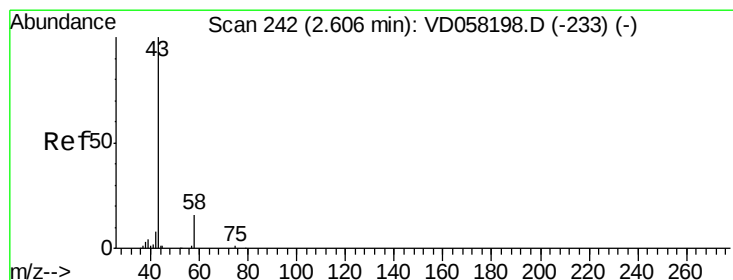
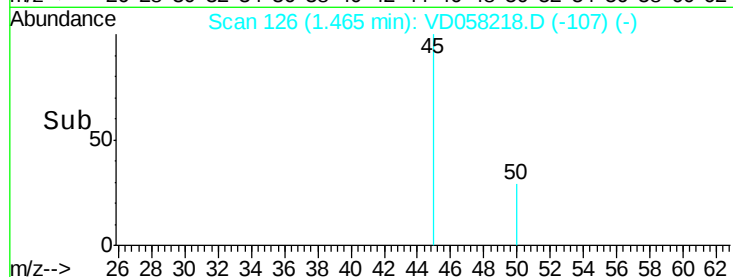
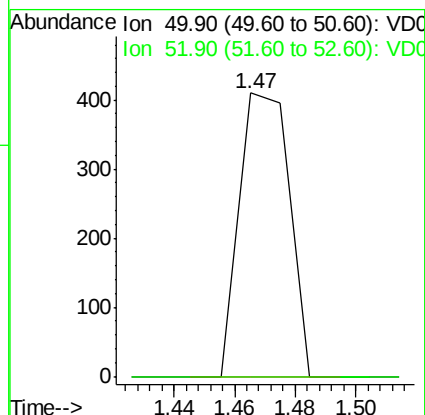
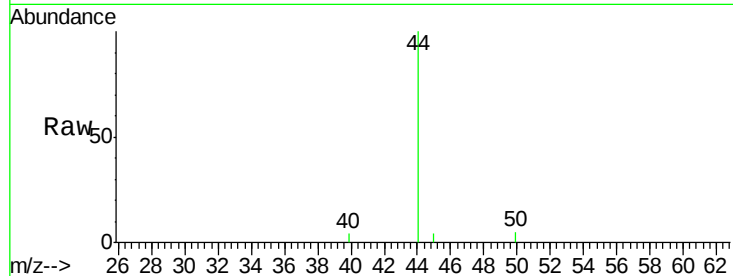




#3
Chloromethane
Concen: Below Cal
RT: 1.47 min Scan# 126
Delta R.T. -0.02 min
Lab File: VD058218.D
Acq: 20 Jun 2018 19:07

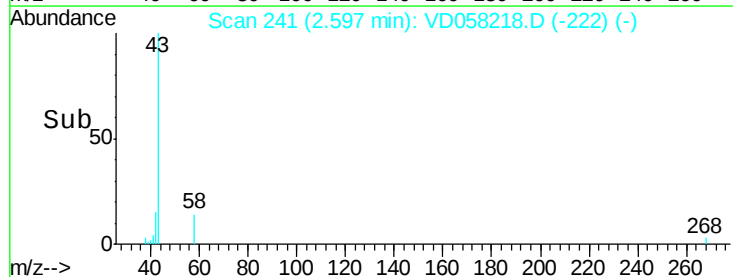
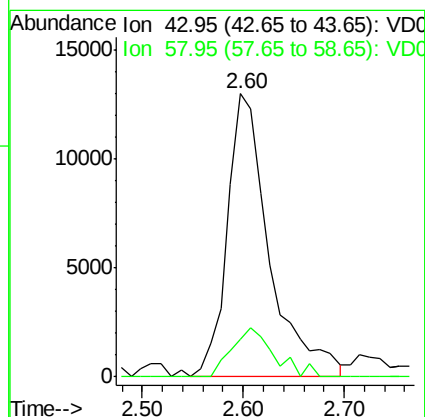
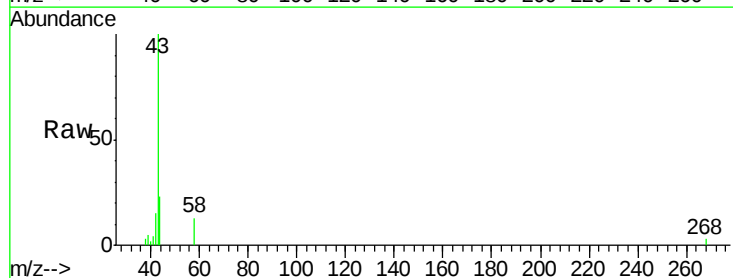
Instrument :
MSVOA_D
ClientSampleId :
SSP-B-2-GRAB

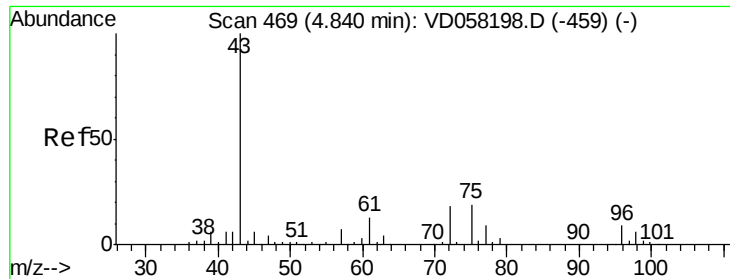
Tot Ion: 50 Resp: 476
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#



#16
Acetone
Concen: 45.084 ug/l
RT: 2.60 min Scan# 241
Delta R.T. -0.01 min
Lab File: VD058218.D
Acq: 20 Jun 2018 19:07

Tgt Ion: 43 Resp: 37735
Ion Ratio Lower Upper
43 100
58 13.3 12.7 19.1





#25

2-Butanone

Concen: 1.467 ug/l

RT: 4.84 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD058218.D

Acq: 20 Jun 2018 19:07

Instrument :

MSVOA_D

ClientSampleId :

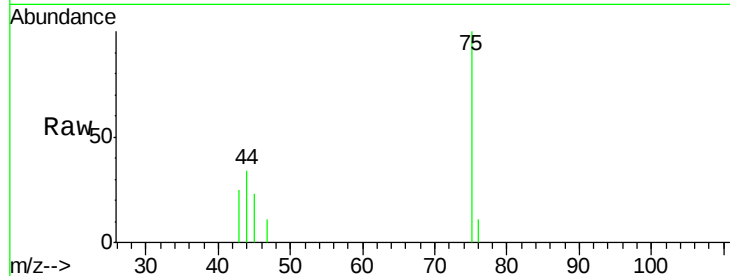
SSP-B-2-GRAB

Tot Ion: 43 Resp: 2677

Ion Ratio Lower Upper

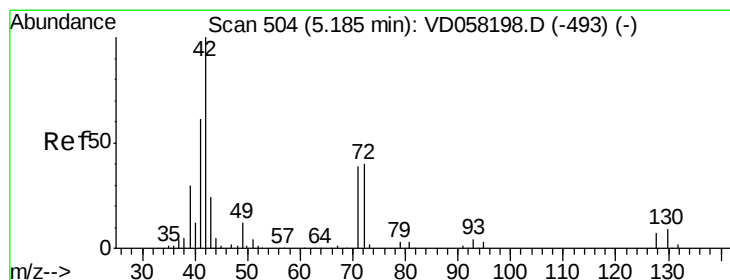
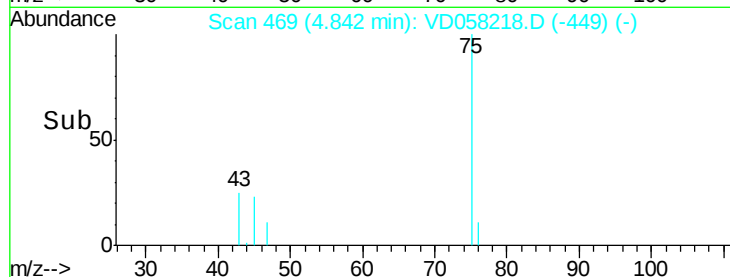
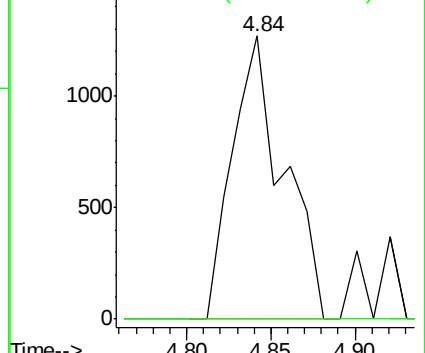
43 100

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



#29

Tetrahydrofuran

Concen: 1.665 ug/l

RT: 5.19 min Scan# 504

Delta R.T. 0.00 min

Lab File: VD058218.D

Acq: 20 Jun 2018 19:07

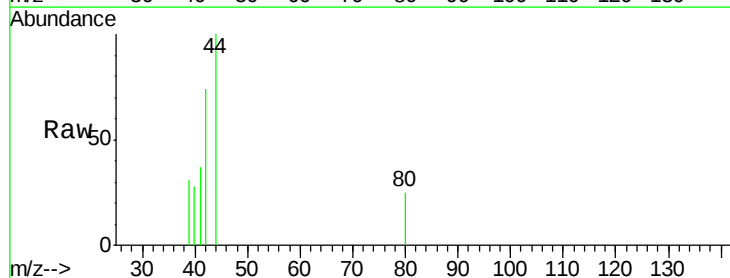
Tgt Ion: 42 Resp: 1617

Ion Ratio Lower Upper

42 100

72 0.0 30.2 45.2#

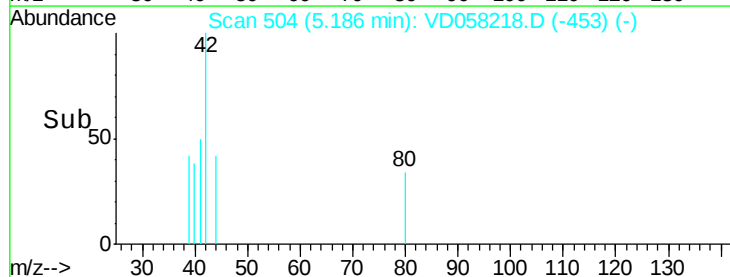
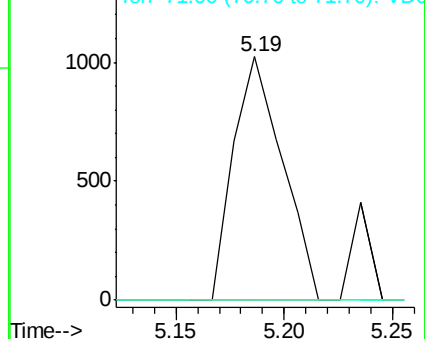
71 0.0 30.1 45.1#

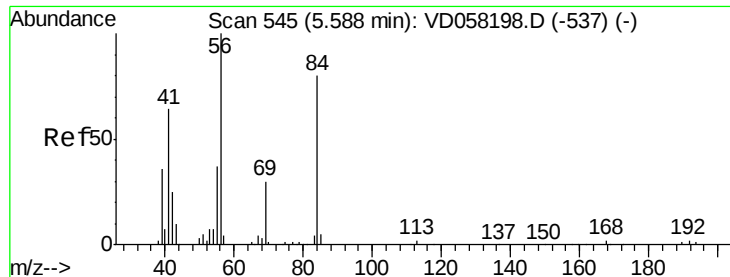


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

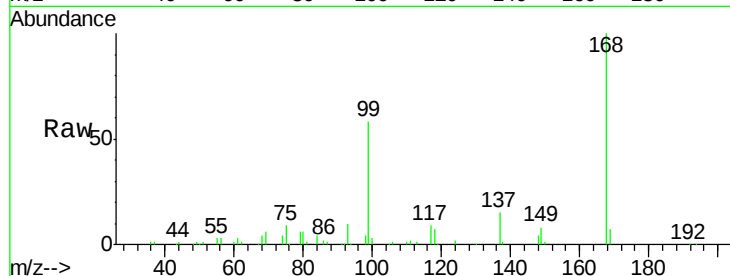




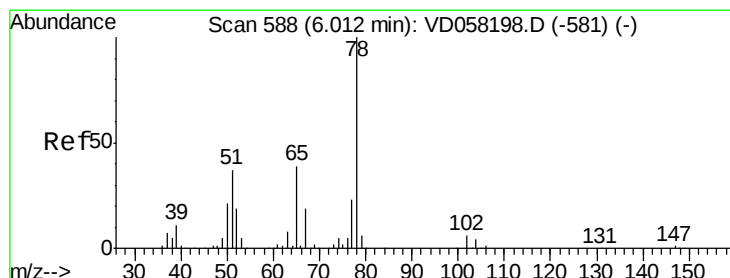
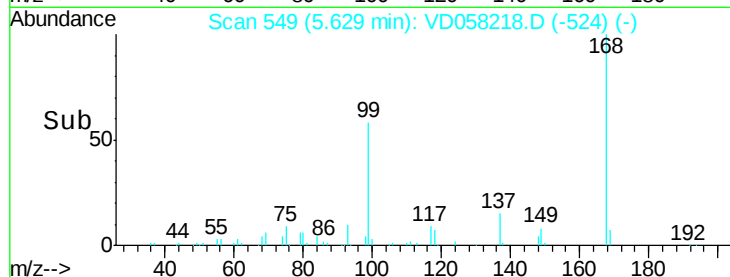
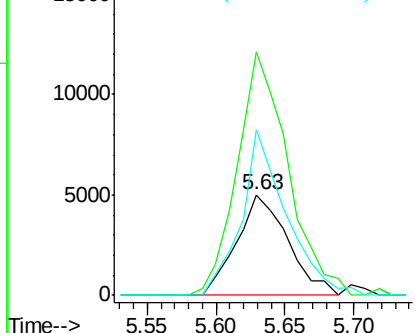
#31
Cyclohexane
Concen: Below Cal
RT: 5.63 min Scan# 549
Delta R.T. 0.04 min
Lab File: VD058218.D
Acq: 20 Jun 2018 19:07

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

Tot Ion: 56 Resp: 12930
Ion Ratio Lower Upper
56 100
69 242.9 23.6 35.4#
84 165.7 65.2 97.8#

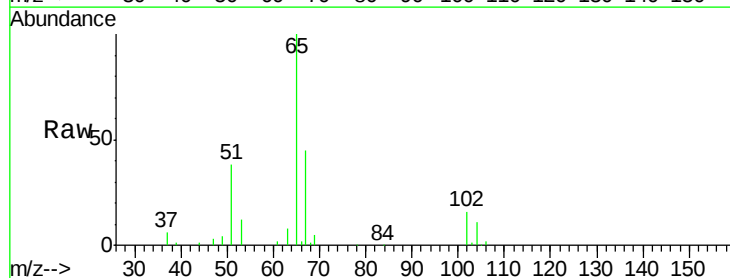


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

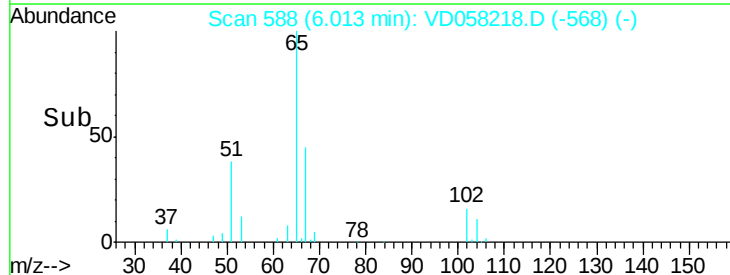
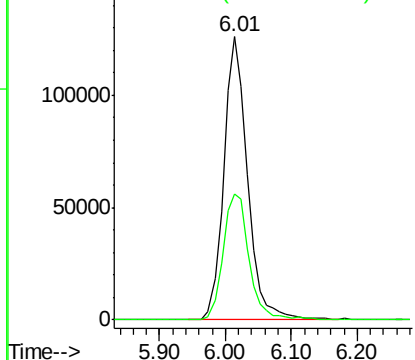


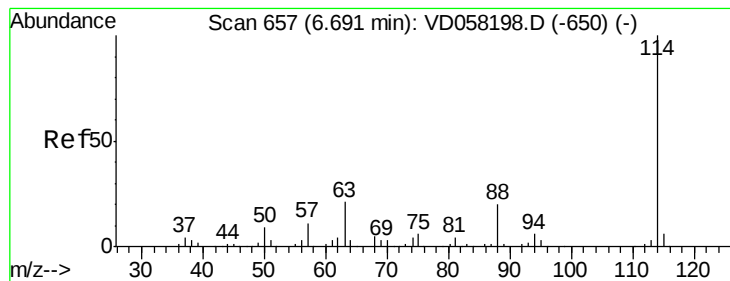
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.01 min Scan# 588
Delta R.T. 0.00 min
Lab File: VD058218.D
Acq: 20 Jun 2018 19:07

Tgt Ion: 65 Resp: 317119
Ion Ratio Lower Upper
65 100
67 44.6 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: VD058218.D

Acq: 20 Jun 2018 19:07

Instrument :

MSVOA_D

ClientSampleId :

SSP-B-2-GRAB

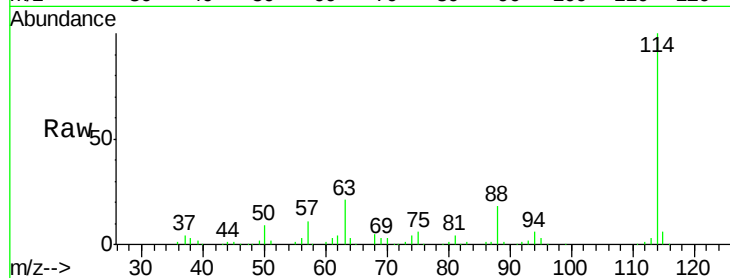
Tot Ion:114 Resp: 818260

Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.6

88 18.3 0.0 40.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V

6.69

300000

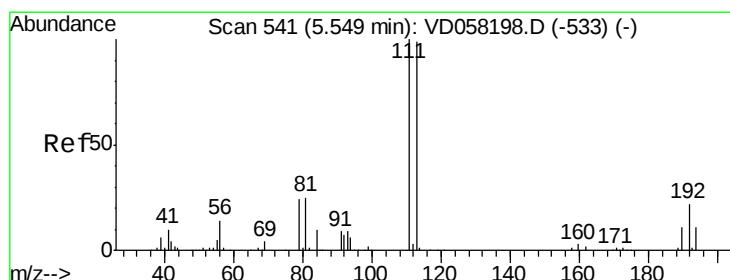
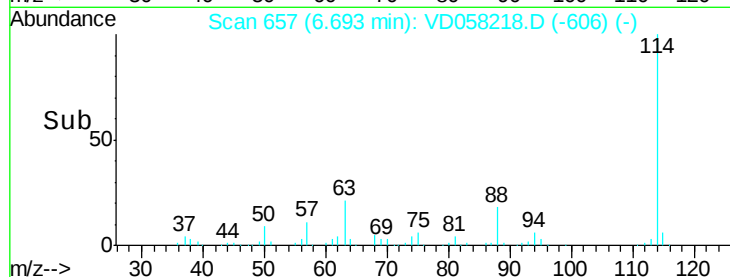
200000

100000

0

6.60 6.80 7.00

Time-->



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.01 min

Lab File: VD058218.D

Acq: 20 Jun 2018 19:07

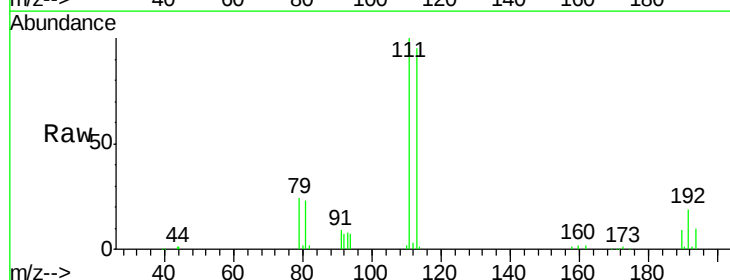
Tgt Ion:113 Resp: 279314

Ion Ratio Lower Upper

113 100

111 105.3 80.6 121.0

192 19.8 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

5.54

150000

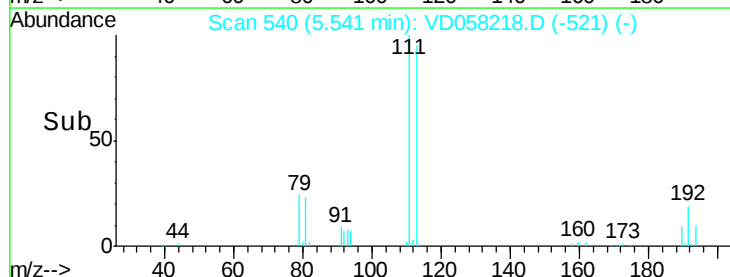
100000

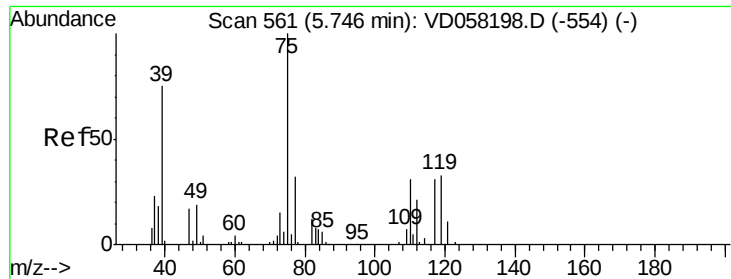
50000

0

5.40 5.50 5.60 5.70

Time-->





#36

1,1-Dichloropropene

Concen: 6.358 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.11 min

Lab File: VD058218.D

Acq: 20 Jun 2018 19:07

Instrument :

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SSP-B-2-GRAB

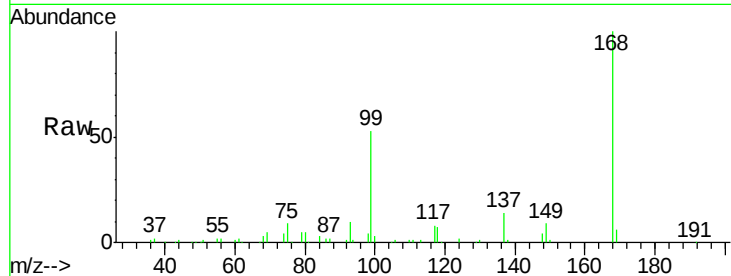
Tot Ion: 75 Resp: 51465

Ion Ratio Lower Upper

75 100

110 6.8 15.4 46.4#

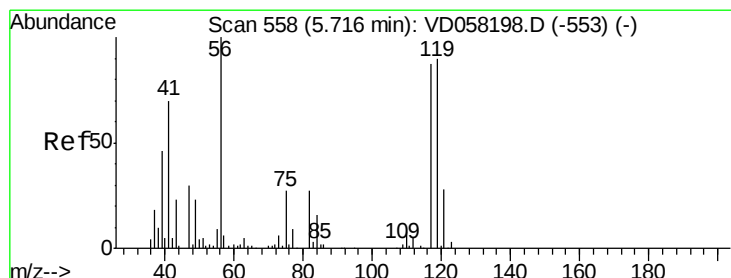
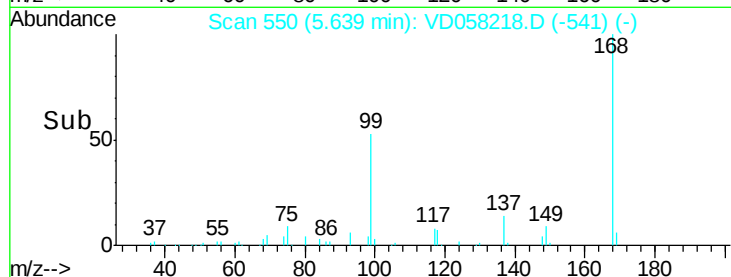
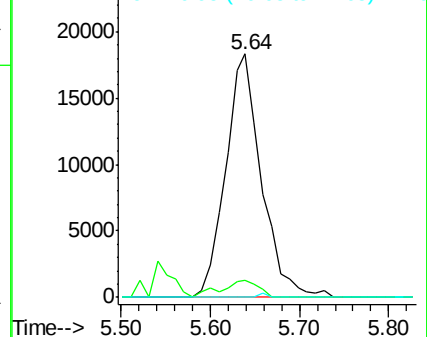
77 0.0 25.4 38.2#



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: 5.920 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.09 min

Lab File: VD058218.D

Acq: 20 Jun 2018 19:07

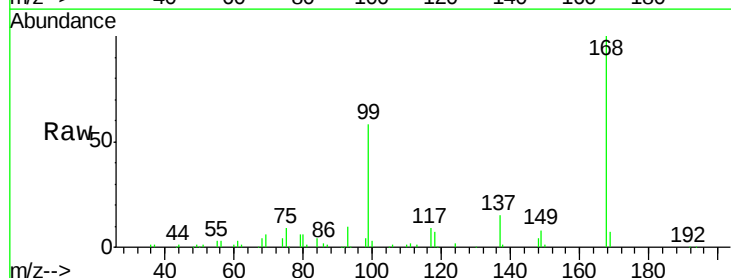
Tgt Ion: 117 Resp: 47615

Ion Ratio Lower Upper

117 100

119 4.5 78.8 118.2#

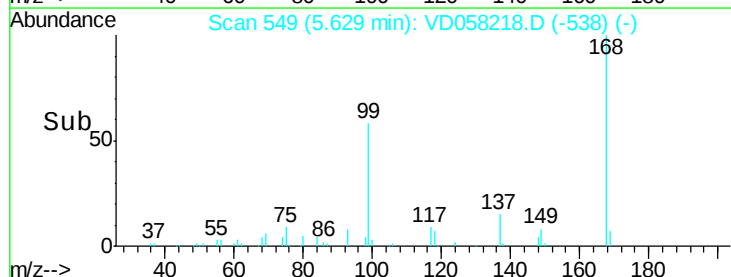
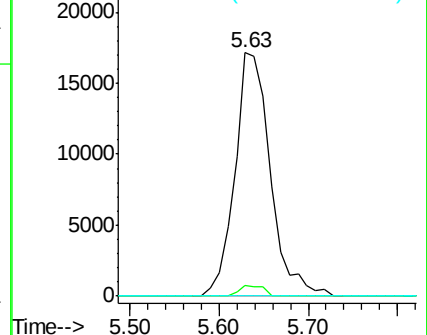
121 0.0 25.0 37.6#

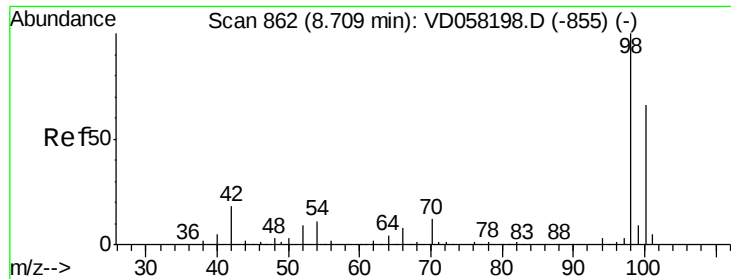


Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 118.85 (118.55 to 119.55): VDC

Ion 120.85 (120.55 to 121.55): VDC

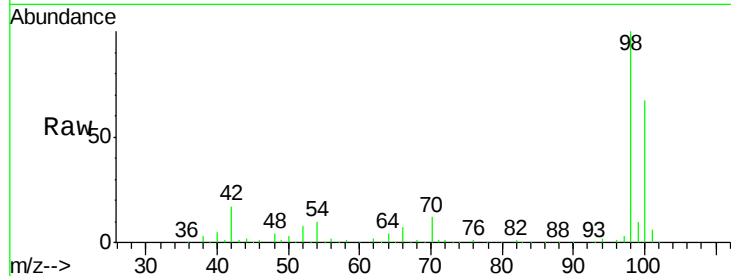




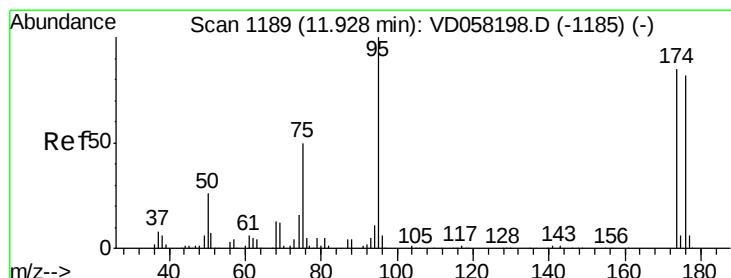
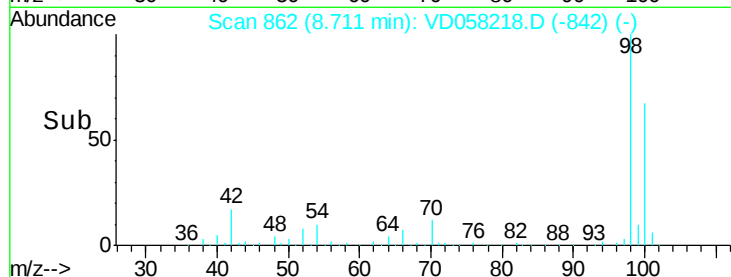
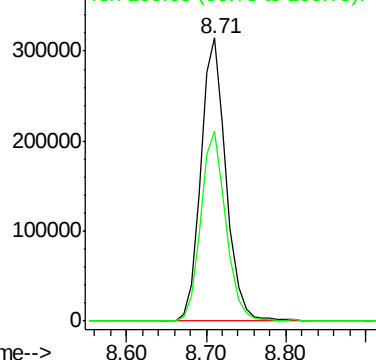
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.71 min Scan# 862
Delta R.T. 0.00 min
Lab File: VD058218.D
Acq: 20 Jun 2018 19:07

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

Tot Ion: 98 Resp: 694146
Ion Ratio Lower Upper
98 100
100 67.0 53.6 80.4

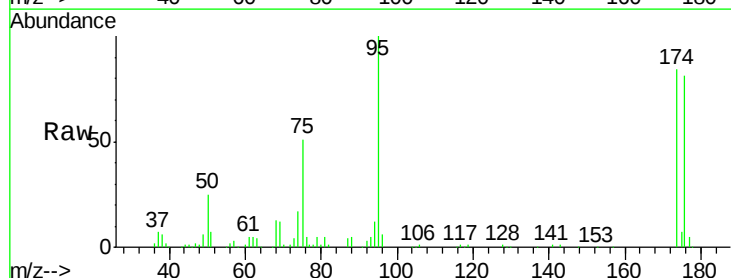


Abundance Ion 98.05 (97.75 to 98.75): VD058198.D (-855) (-)
Ion 100.05 (99.75 to 100.75): VD058198.D (-855) (-)

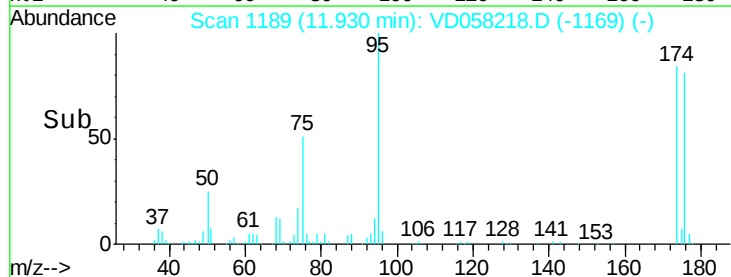
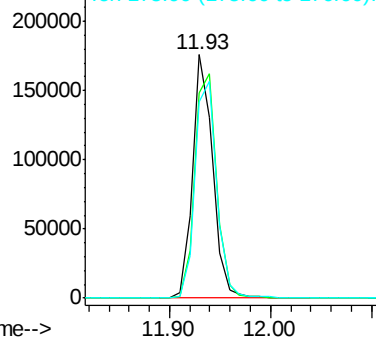


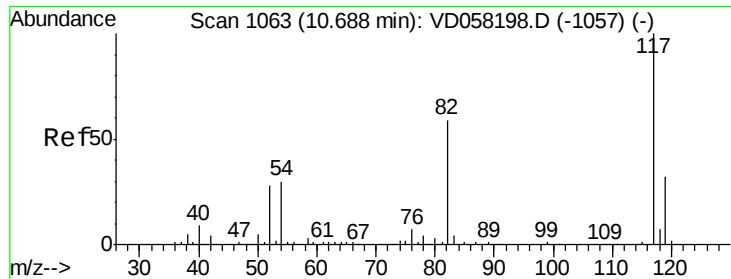
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.93 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VD058218.D
Acq: 20 Jun 2018 19:07

Tgt Ion: 95 Resp: 245622
Ion Ratio Lower Upper
95 100
174 84.4 0.0 170.2
176 80.5 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) (-)

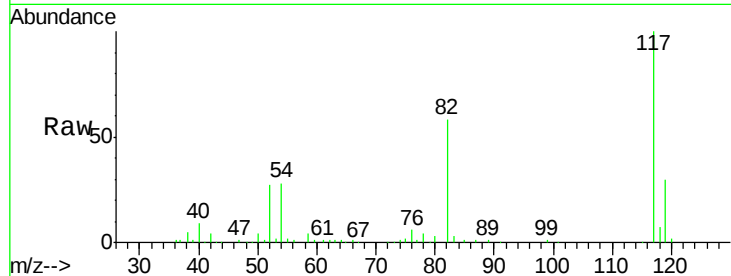




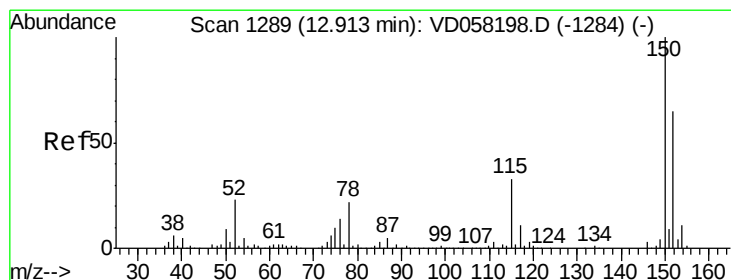
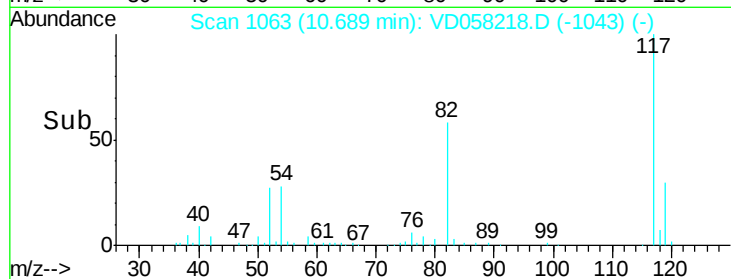
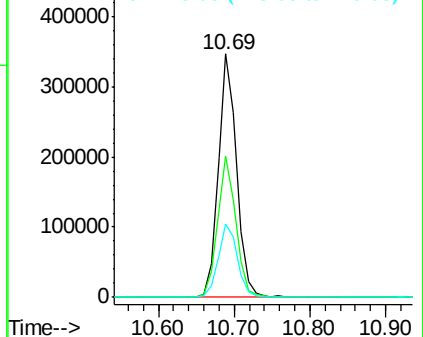
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD058218.D
Acq: 20 Jun 2018 19:07

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

Tot Ion:117 Resp: 587778
Ion Ratio Lower Upper
117 100
82 58.0 47.0 70.6
119 29.9 25.3 37.9

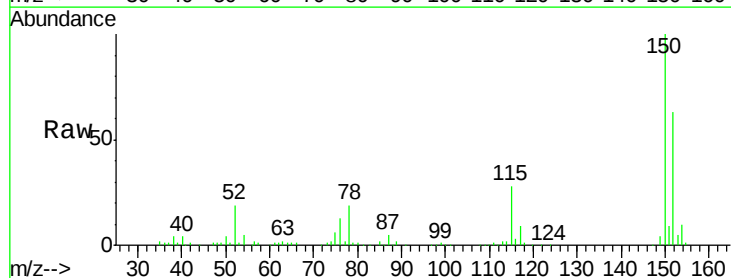


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

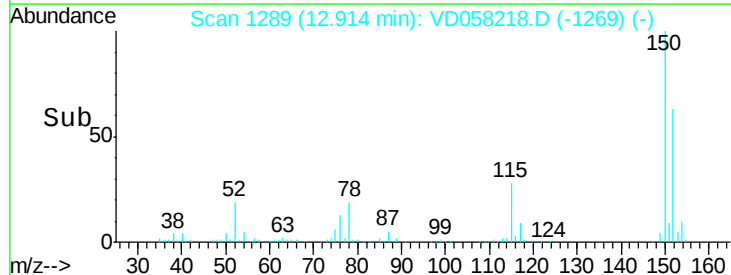
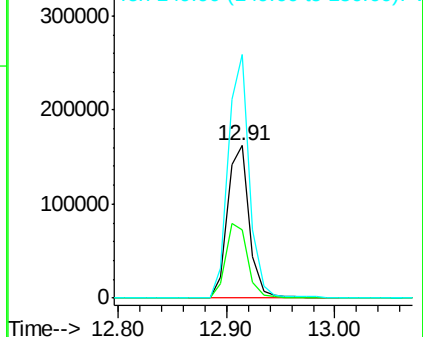


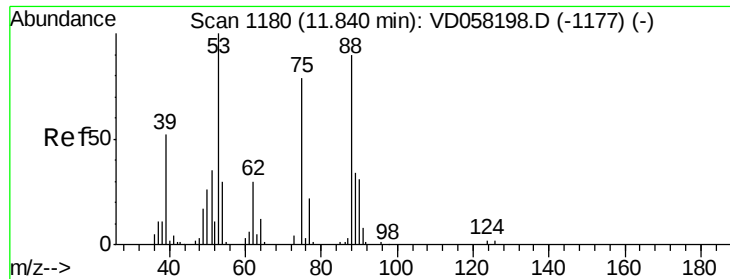
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD058218.D
Acq: 20 Jun 2018 19:07

Tgt Ion:152 Resp: 227830
Ion Ratio Lower Upper
152 100
115 44.9 25.1 75.3
150 159.8 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: 150.832 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058218.D

Acq: 20 Jun 2018 19:07

Instrument :

MSVOA_D

ClientSampleId :

SSP-B-2-GRAB

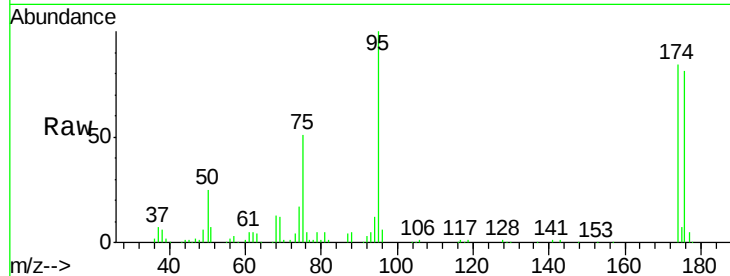
Tot Ion: 75 Resp: 122367

Ion Ratio Lower Upper

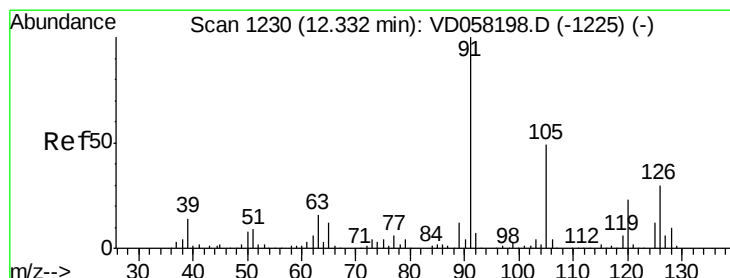
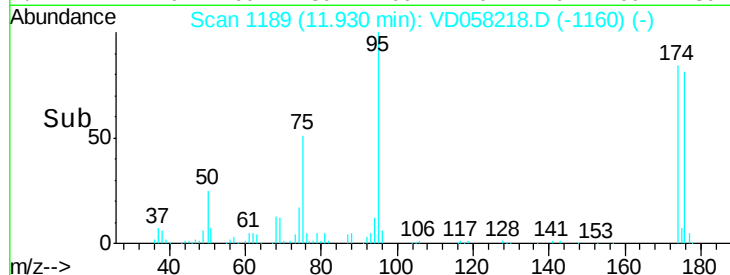
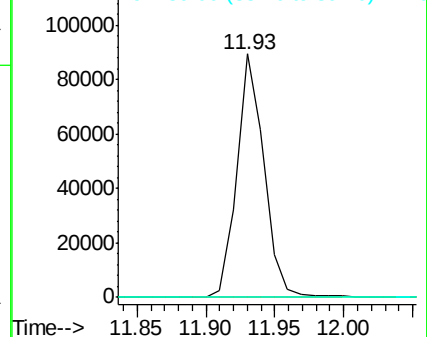
75 100

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: VD058218.D

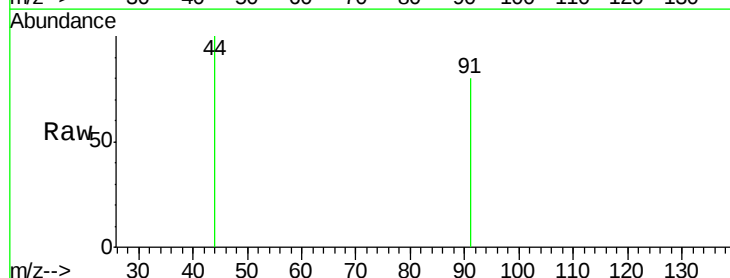
Acq: 20 Jun 2018 19:07

Tgt Ion: 91 Resp: 728

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

