

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
 Data File : VD058217.D
 Acq On : 20 Jun 2018 18:39
 Operator : VA/AP
 Sample : J3582-04
 Misc : 6.24g/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SSP-B-1-GRAB

Quant Time: Jun 21 01:46:56 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	622137	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	799012	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	668551	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	344907	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	324799	51.69	ug/l	0.00
Spiked Amount			Recovery	=	103.38%	
35) Dibromofluoromethane	5.54	113	326763	50.25	ug/l	0.00
Spiked Amount			Recovery	=	100.50%	
50) Toluene-d8	8.71	98	730477	46.43	ug/l	0.00
Spiked Amount			Recovery	=	92.86%	
62) 4-Bromofluorobenzene	11.93	95	309148	48.10	ug/l	0.00
Spiked Amount			Recovery	=	96.20%	

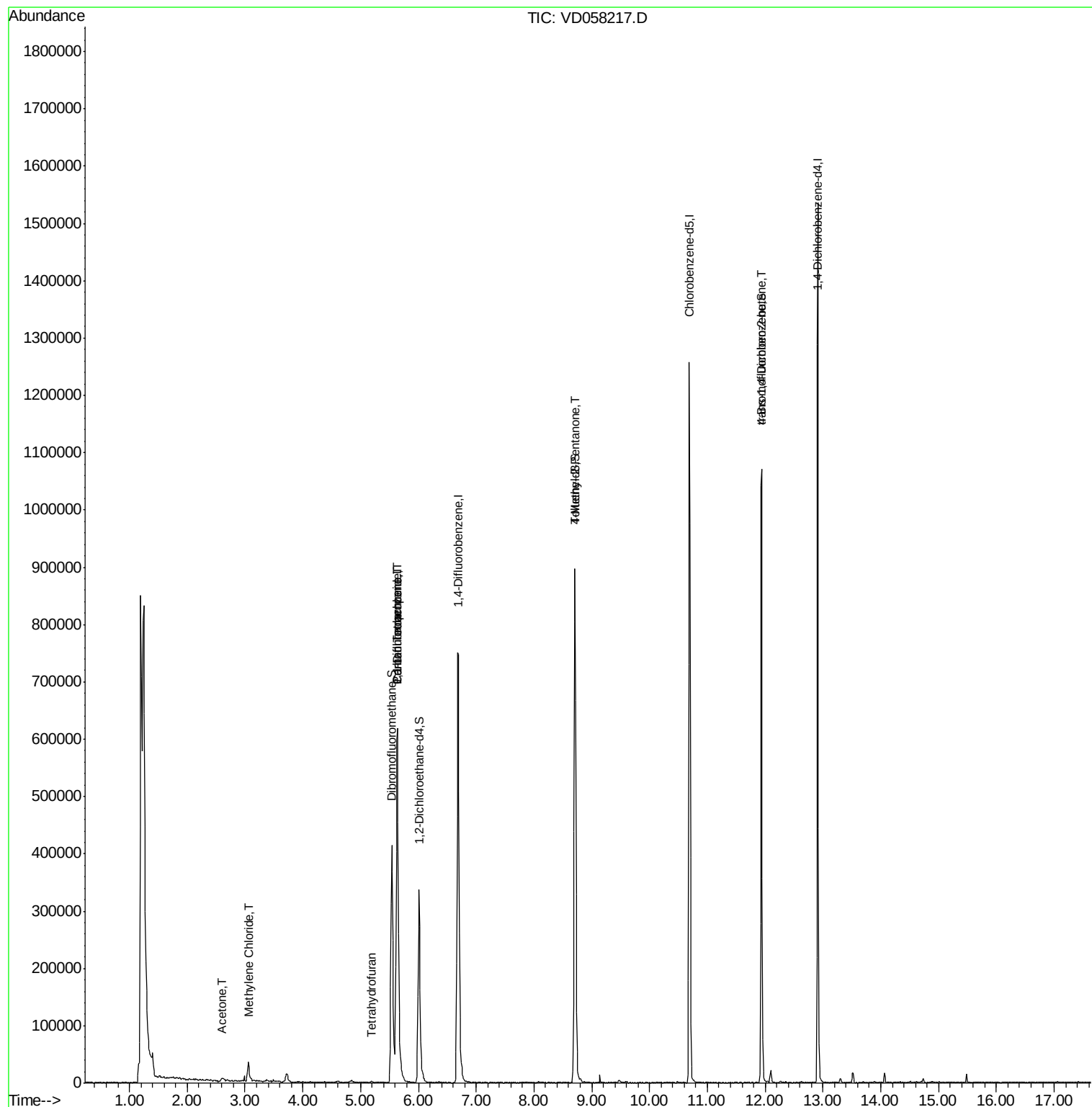
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	723	Below Cal	#	43
3) Chloromethane	1.47	50	345	Below Cal	#	43
16) Acetone	2.60	43	8800	10.240	ug/l #	90
20) Methylene Chloride	3.06	84	14090	1.675	ug/l	86
29) Tetrahydrofuran	5.18	42	1699	1.704	ug/l #	49
31) Cyclohexane	5.64	56	14227	Below Cal	#	1
36) 1,1-Dichloropropene	5.64	75	48159	6.093	ug/l #	52
38) Carbon Tetrachloride	5.63	117	51351	6.538	ug/l #	14
51) 4-Methyl-2-Pentanone	8.72	43	4513	1.152	ug/l #	1
81) trans-1,4-Dichloro-2-buten	11.93	75	155616	126.704	ug/l #	1
82) 4-Chlorotoluene	12.33	91	681	Below Cal	#	45

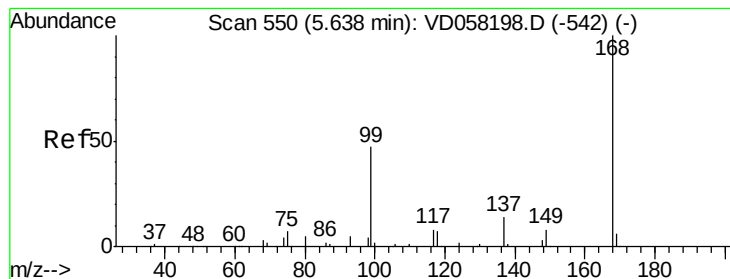
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062018\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. 0.00 min

Lab File: VD058217.D

Acq: 20 Jun 2018 18:39

Instrument :

MSVOA_D

ClientSampleId :

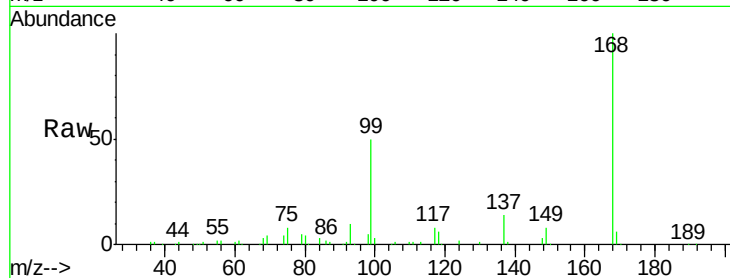
SSP-B-1-GRAB

Tot Ion:168 Resp: 622137

Ion Ratio Lower Upper

168 100

99 49.5 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.64

250000

200000

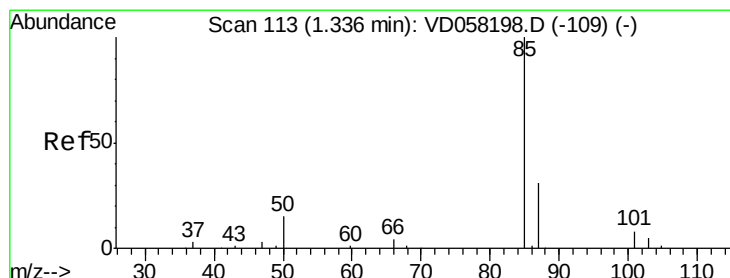
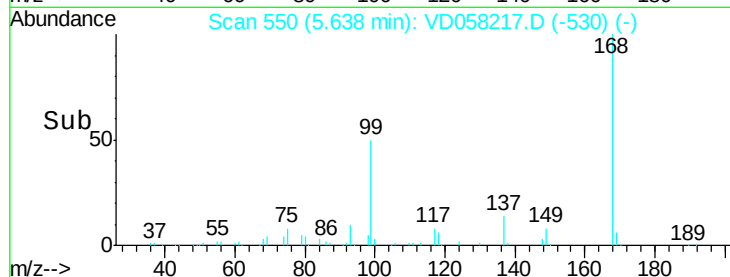
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.34 min Scan# 113

Delta R.T. 0.00 min

Lab File: VD058217.D

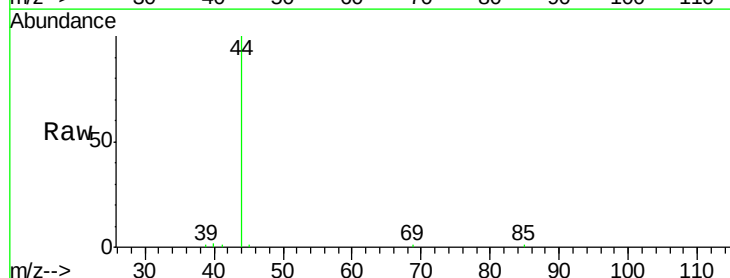
Acq: 20 Jun 2018 18:39

Tgt Ion: 85 Resp: 723

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

1.34

500

400

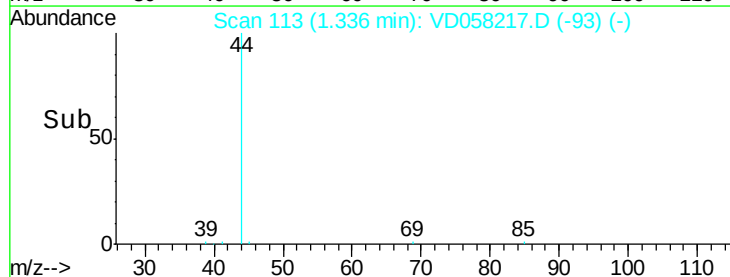
300

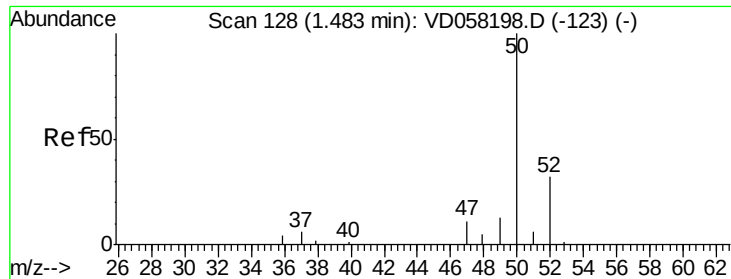
200

100

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 1.47 min Scan# 127

Delta R.T. -0.01 min

Lab File: VD058217.D

Acq: 20 Jun 2018 18:39

Instrument :

MSVOA_D

ClientSampleId :

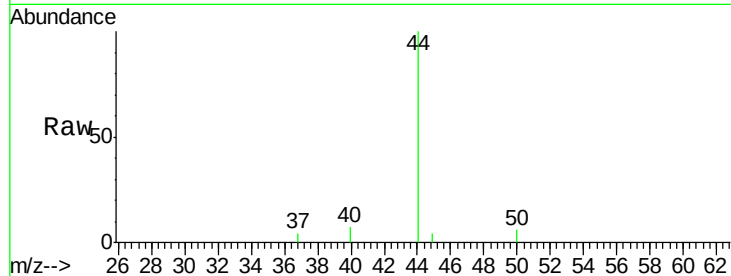
SSP-B-1-GRAB

Tot Ion: 50 Resp: 345

Ion Ratio Lower Upper

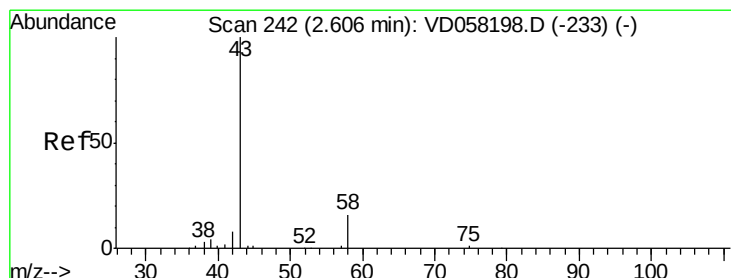
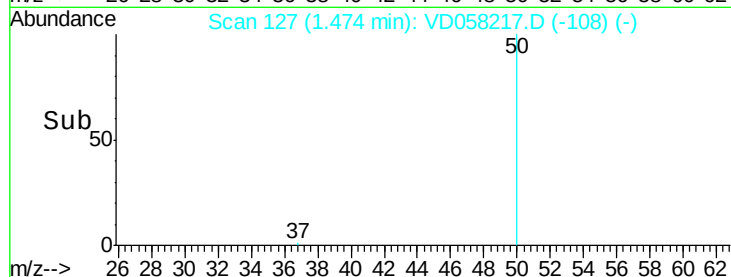
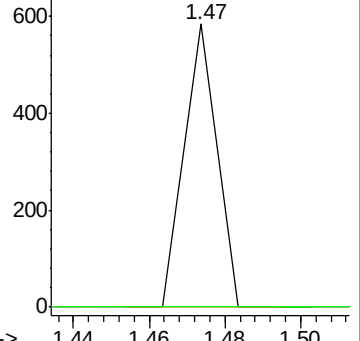
50 100

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



#16

Acetone

Concen: 10.240 ug/l

RT: 2.60 min Scan# 241

Delta R.T. -0.01 min

Lab File: VD058217.D

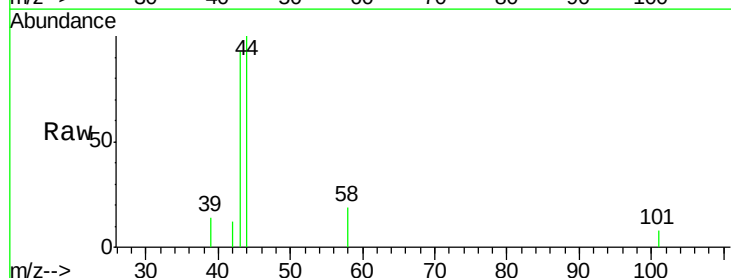
Acq: 20 Jun 2018 18:39

Tgt Ion: 43 Resp: 8800

Ion Ratio Lower Upper

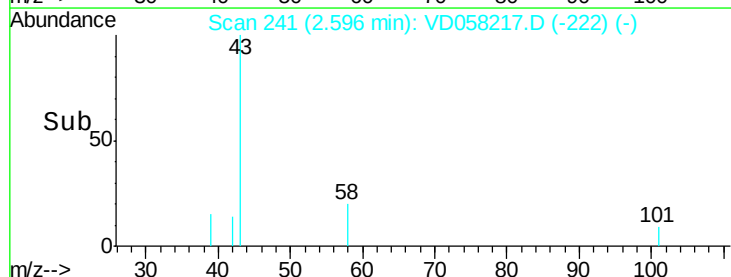
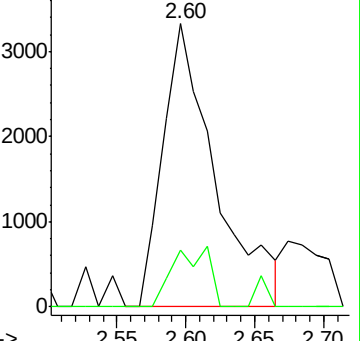
43 100

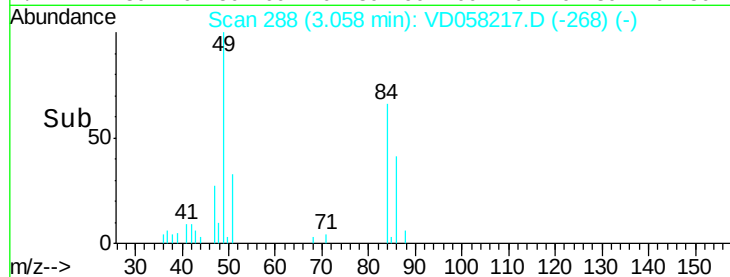
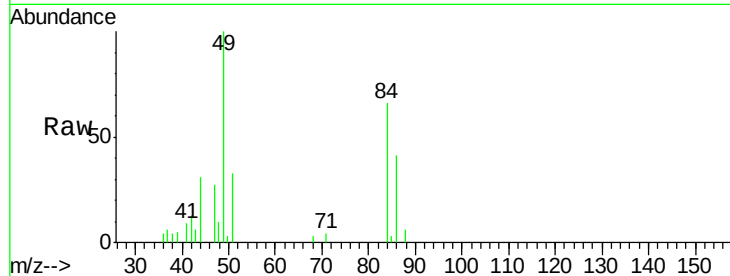
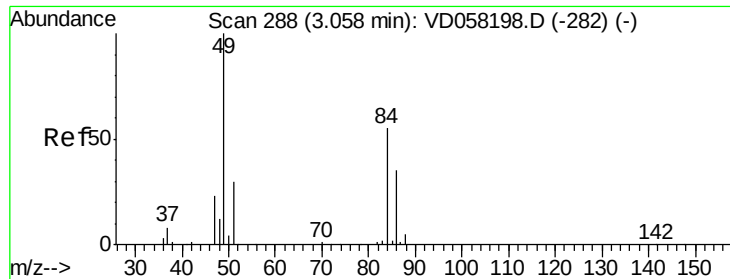
58 20.2 12.7 19.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

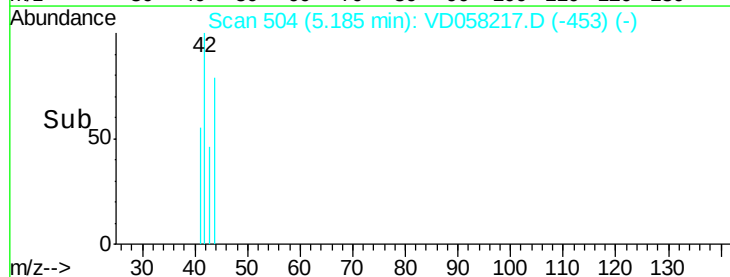
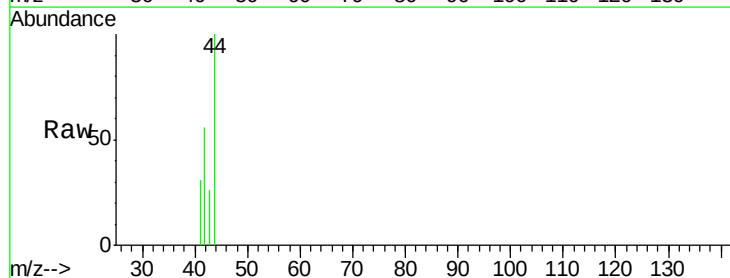
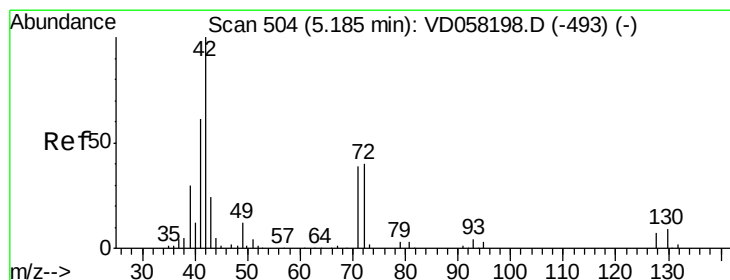
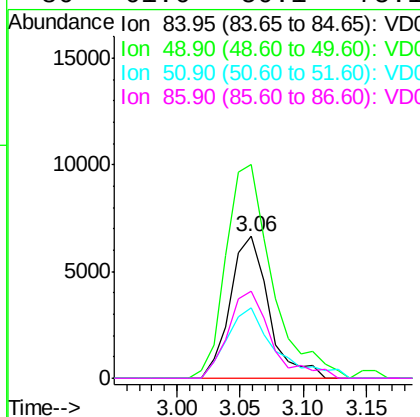




#20
Methylene Chloride
Concen: 1.675 ug/l
RT: 3.06 min Scan# 288
Delta R.T. 0.00 min
Lab File: VD058217.D
Acq: 20 Jun 2018 18:39

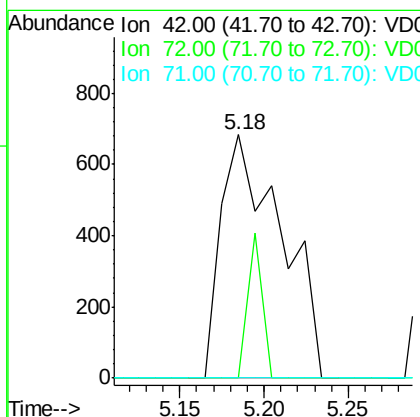
Instrument :
MSVOA_D
ClientSampleId :
SSP-B-1-GRAB

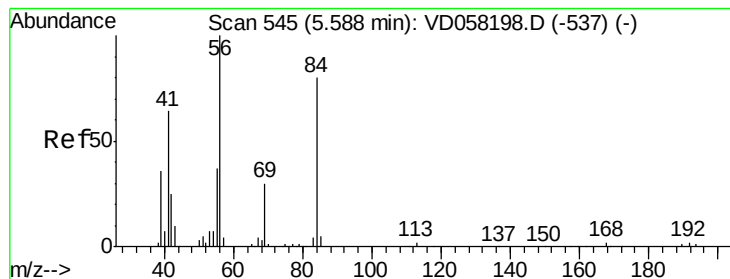
Tot Ion: 84 Resp: 14090
Ion Ratio Lower Upper
84 100
49 150.6 145.0 217.6
51 50.1 42.9 64.3
86 61.6 50.1 75.1



#29
Tetrahydrofuran
Concen: 1.704 ug/l
RT: 5.18 min Scan# 504
Delta R.T. 0.00 min
Lab File: VD058217.D
Acq: 20 Jun 2018 18:39

Tgt Ion: 42 Resp: 1699
Ion Ratio Lower Upper
42 100
72 14.1 30.2 45.2#
71 0.0 30.1 45.1#





#31

Cyclohexane

Concen: Below Cal

RT: 5.64 min Scan# 550

Delta R.T. 0.05 min

Lab File: VD058217.D

Acq: 20 Jun 2018 18:39

Instrument :

MSVOA_D

ClientSampleId :

SSP-B-1-GRAB

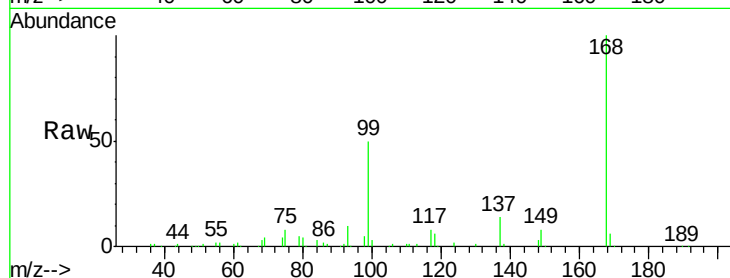
Tot Ion: 56 Resp: 14227

Ion Ratio Lower Upper

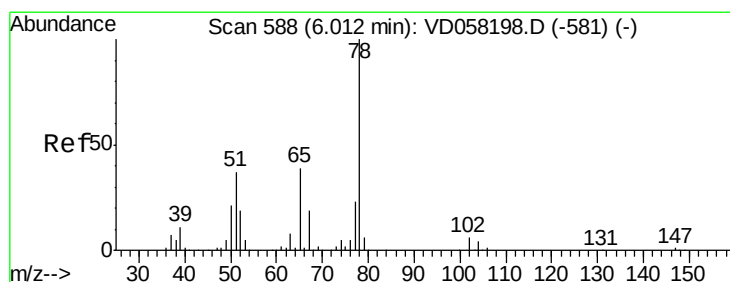
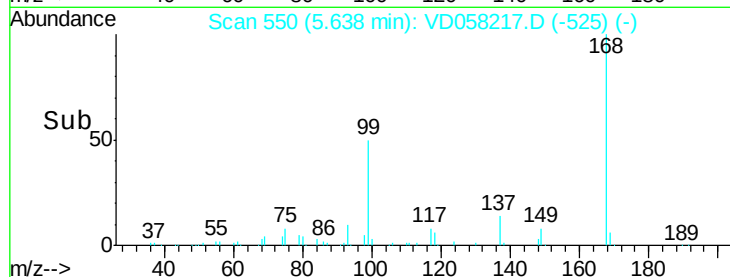
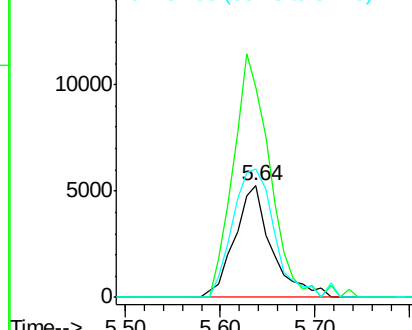
56 100

69 189.3 23.6 35.4#

84 114.8 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: VD058217.D

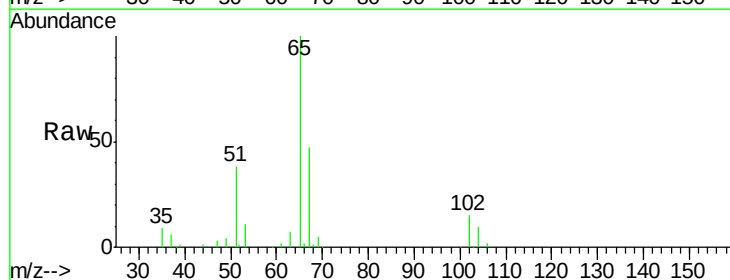
Acq: 20 Jun 2018 18:39

Tgt Ion: 65 Resp: 324799

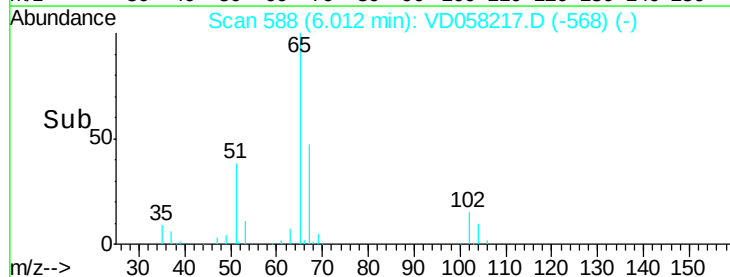
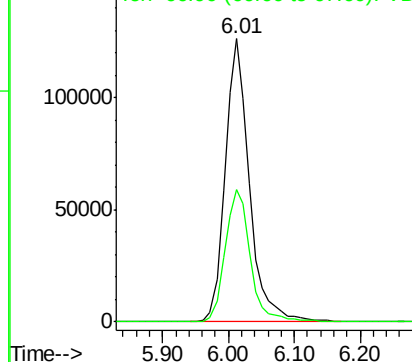
Ion Ratio Lower Upper

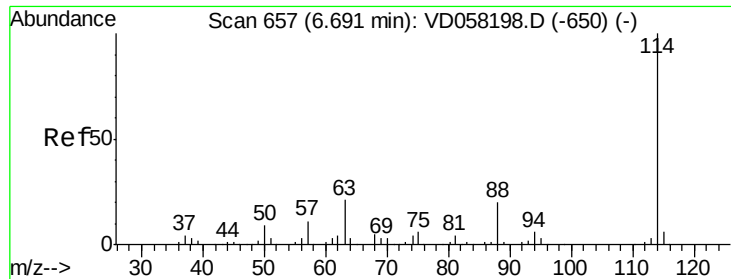
65 100

67 46.9 0.0 97.8



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

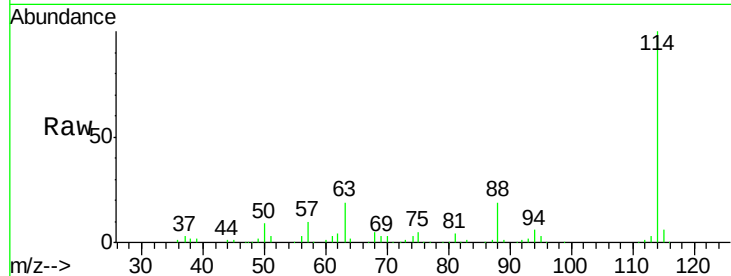




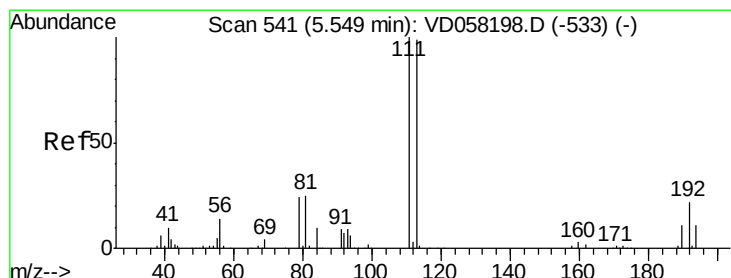
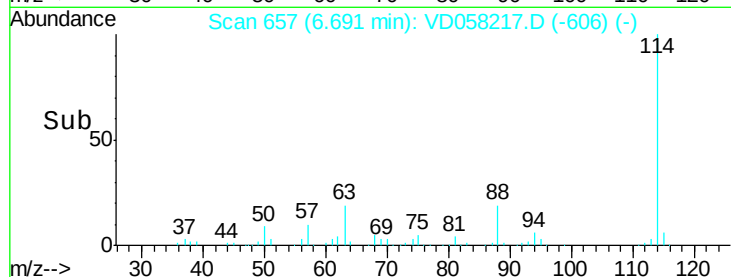
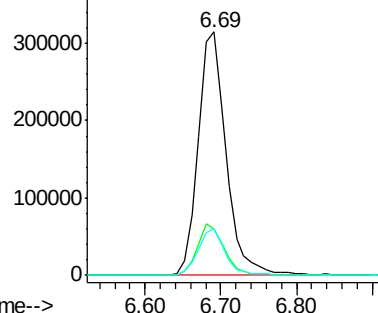
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VD058217.D
 Acq: 20 Jun 2018 18:39

Instrument :
 MSVOA_D
 ClientSampleId :
 SSP-B-1-GRAB

Tot Ion:114 Resp: 799012
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 42.6
 88 19.1 0.0 40.6

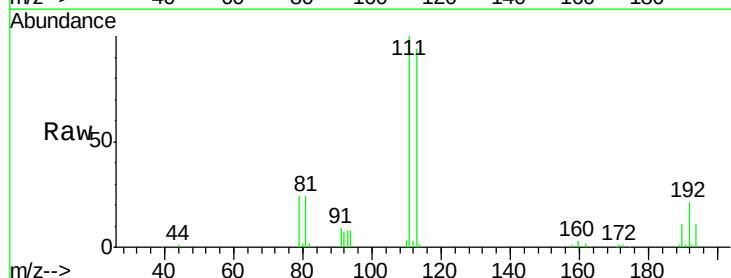


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

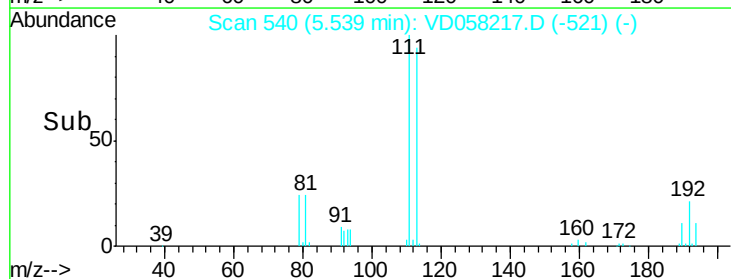
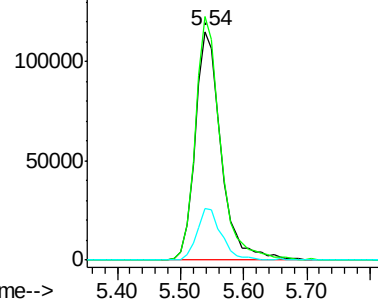


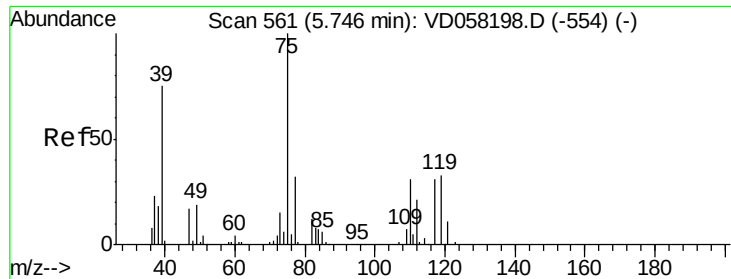
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.54 min Scan# 540
 Delta R.T. -0.01 min
 Lab File: VD058217.D
 Acq: 20 Jun 2018 18:39

Tgt Ion:113 Resp: 326763
 Ion Ratio Lower Upper
 113 100
 111 106.4 80.6 121.0
 192 22.6 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

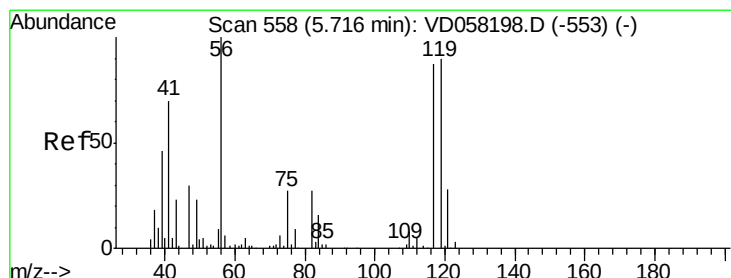
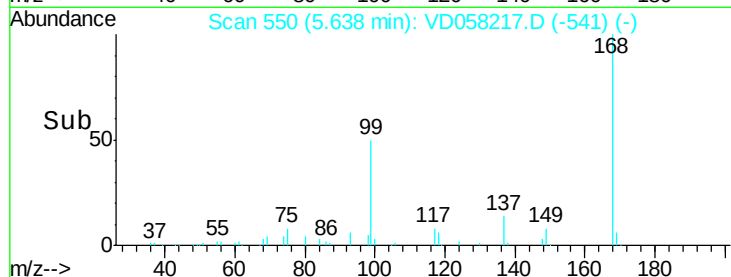
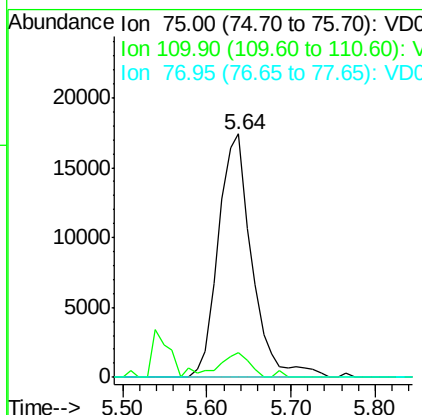
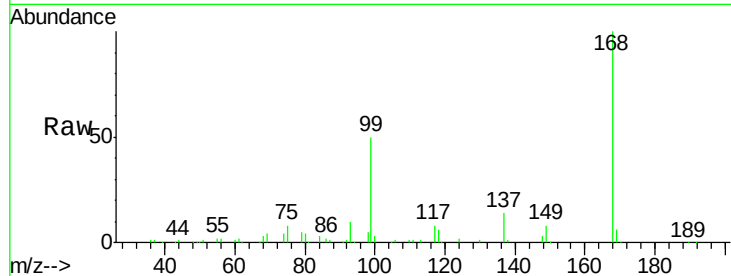




#36
 1,1-Dichloropropene
 Concen: 6.093 ug/l
 RT: 5.64 min Scan# 550
 Delta R.T. -0.11 min
 Lab File: VD058217.D
 Acq: 20 Jun 2018 18:39

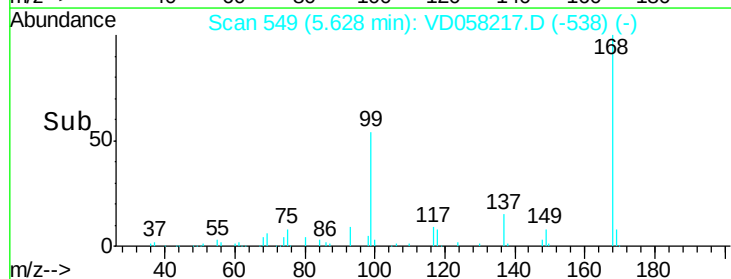
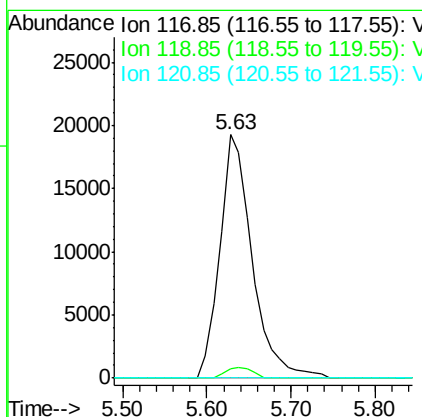
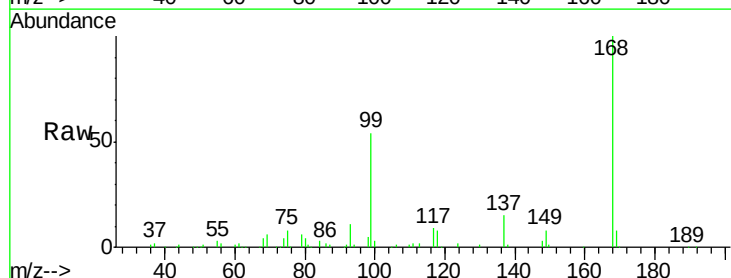
Instrument :
 MSVOA_D
 ClientSampleId :
 SSP-B-1-GRAB

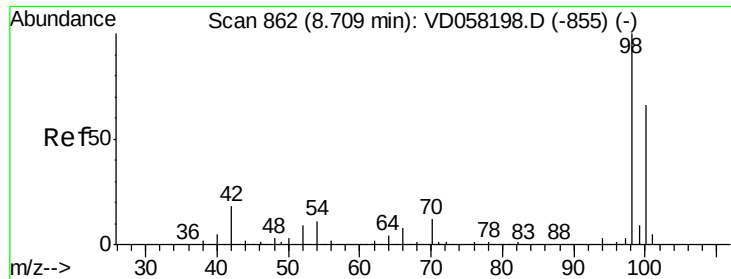
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.9	15.4	46.4#
77	0.0	25.4	38.2#



#38
 Carbon Tetrachloride
 Concen: 6.538 ug/l
 RT: 5.63 min Scan# 549
 Delta R.T. -0.09 min
 Lab File: VD058217.D
 Acq: 20 Jun 2018 18:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.6	78.8	118.2#
121	0.0	25.0	37.6#

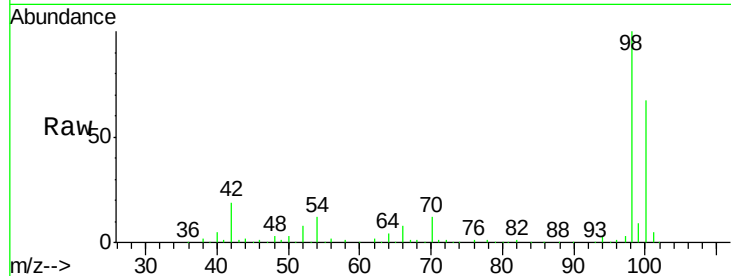




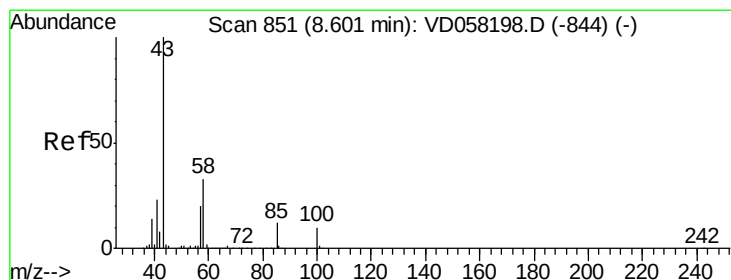
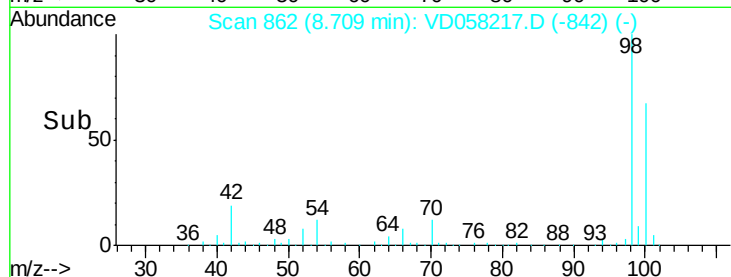
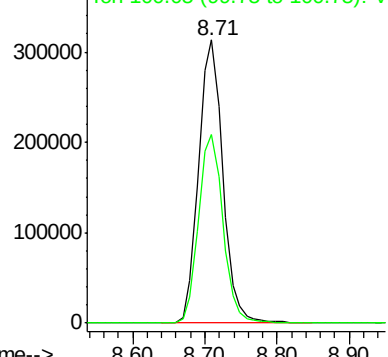
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.71 min Scan# 862
Delta R.T. 0.00 min
Lab File: VD058217.D
Acq: 20 Jun 2018 18:39

Instrument :
MSVOA_D
ClientSampleId :
SSP-B-1-GRAB

Tot Ion: 98 Resp: 730477
Ion Ratio Lower Upper
98 100
100 66.6 53.6 80.4

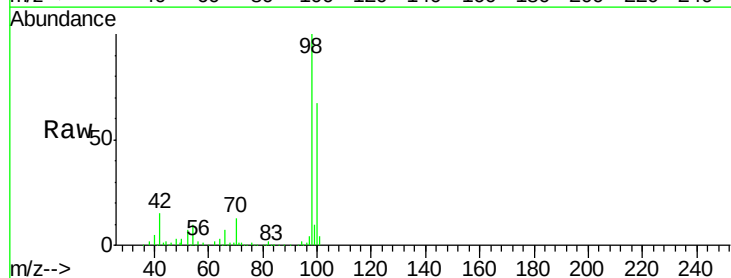


Abundance Ion 98.05 (97.75 to 98.75): VD058198.D (-855) (-)
Ion 100.05 (99.75 to 100.75): VD058198.D (-855) (-)

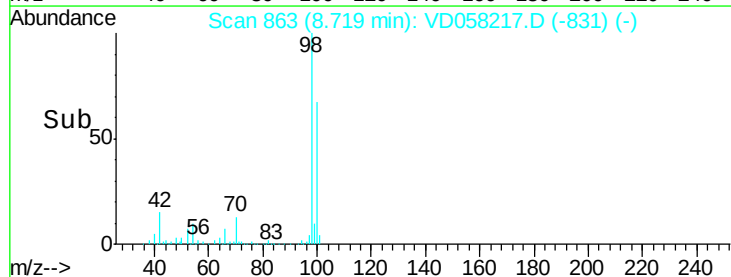
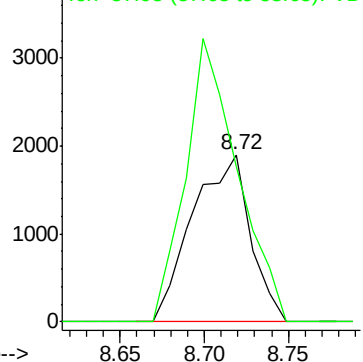


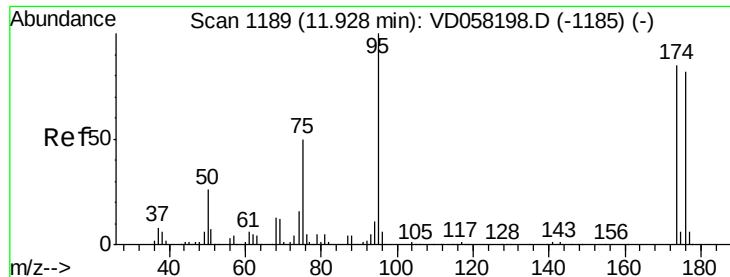
#51
4-Methyl-2-Pentanone
Concen: 1.152 ug/l
RT: 8.72 min Scan# 863
Delta R.T. 0.12 min
Lab File: VD058217.D
Acq: 20 Jun 2018 18:39

Tgt Ion: 43 Resp: 4513
Ion Ratio Lower Upper
43 100
58 92.8 26.7 40.1%



Abundance Ion 42.95 (42.65 to 43.65): VD058217.D (-831) (-)
Ion 57.95 (57.65 to 58.65): VD058217.D (-831) (-)





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD058217.D

Acq: 20 Jun 2018 18:39

Instrument :

MSVOA_D

ClientSampleId :

SSP-B-1-GRAB

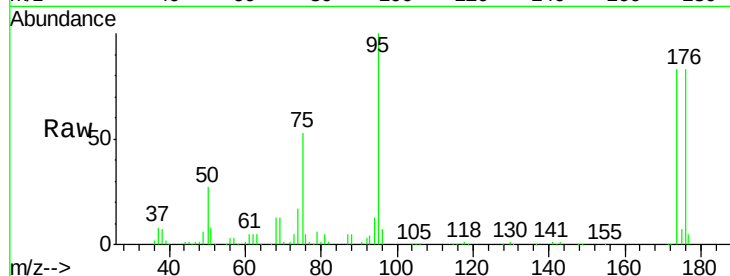
Tot Ion: 95 Resp: 309148

Ion Ratio Lower Upper

95 100

174 82.9 0.0 170.2

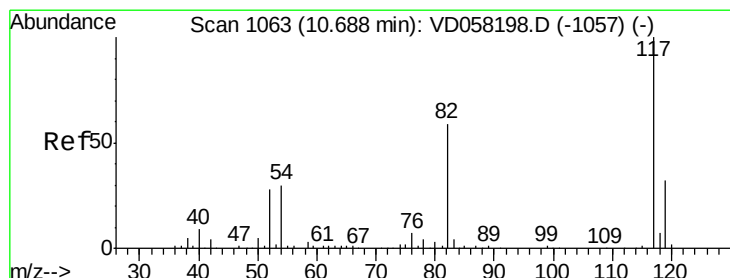
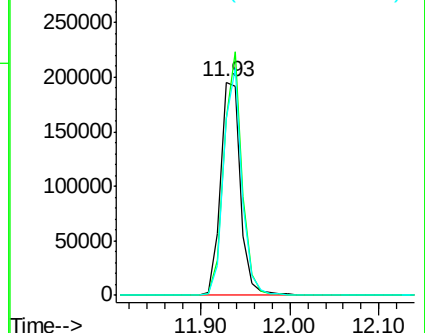
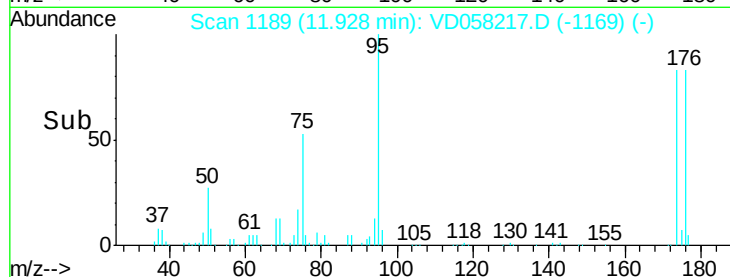
176 83.1 0.0 164.6



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: 10.69 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VD058217.D

Acq: 20 Jun 2018 18:39

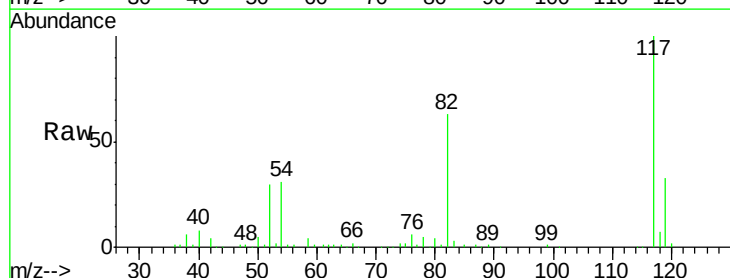
Tgt Ion: 117 Resp: 668551

Ion Ratio Lower Upper

117 100

82 62.8 47.0 70.6

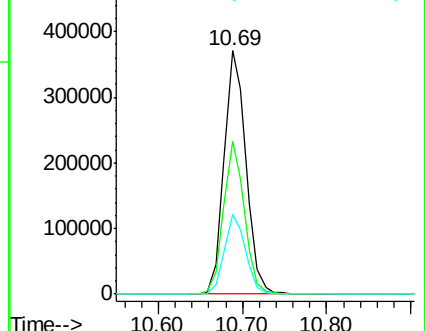
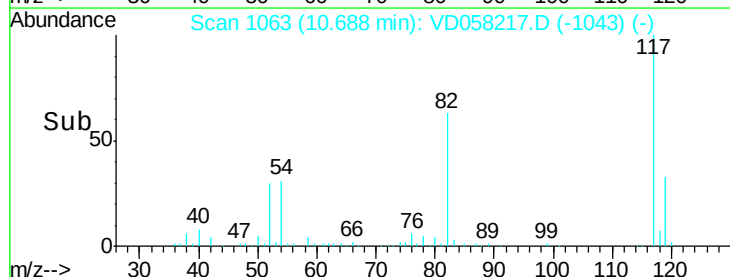
119 32.7 25.3 37.9

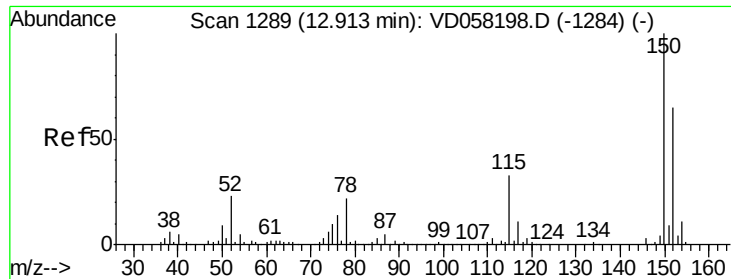


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

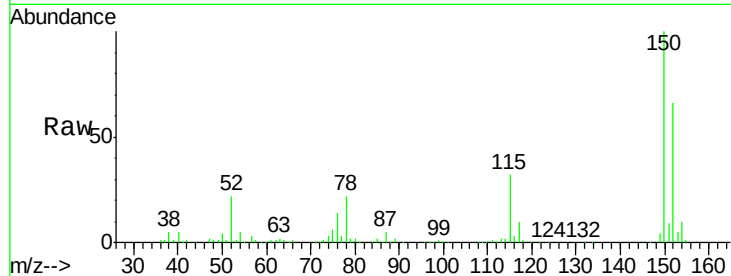




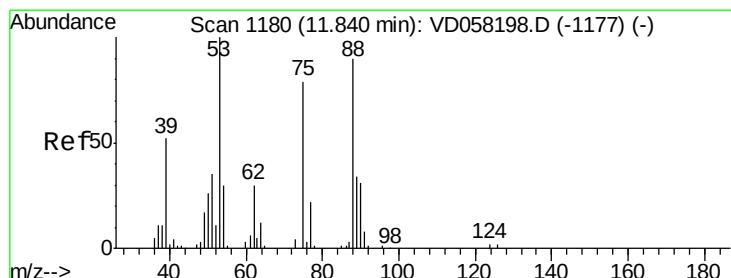
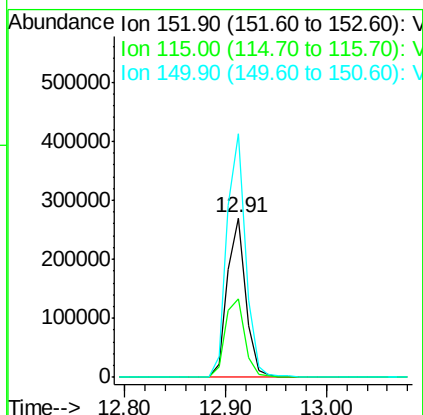
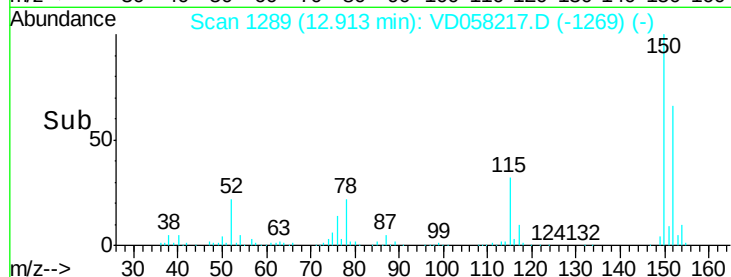
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.91 min Scan# 1289
 Delta R.T. 0.00 min
 Lab File: VD058217.D
 Acq: 20 Jun 2018 18:39

Instrument :
 MSVOA_D
 ClientSampleId :
 SSP-B-1-GRAB

Tot Ion:152 Resp: 344907
 Ion Ratio Lower Upper
 152 100
 115 48.9 25.1 75.3
 150 152.6 0.0 308.8

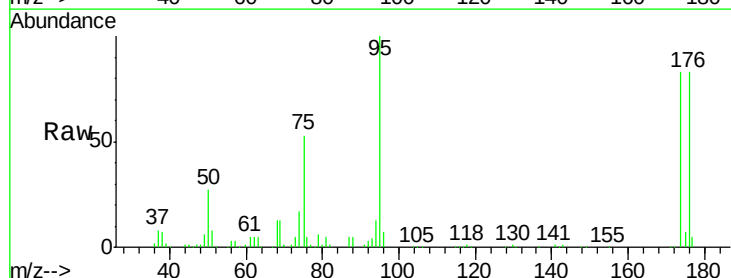


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 149.90 (149.60 to 150.60): V

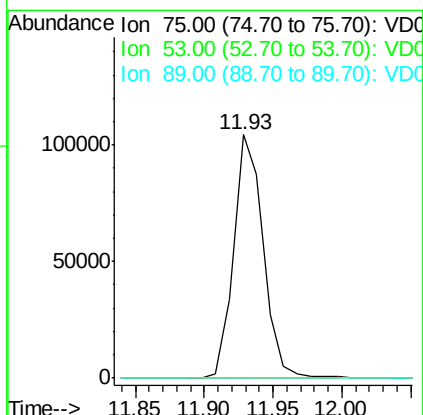
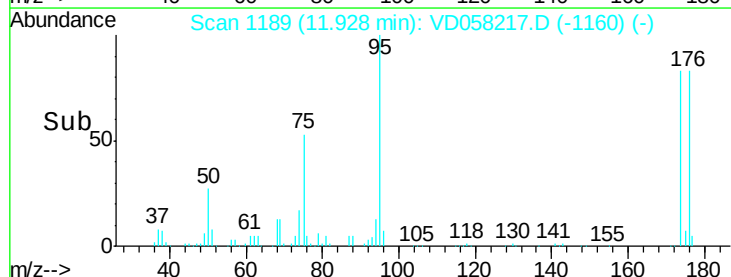


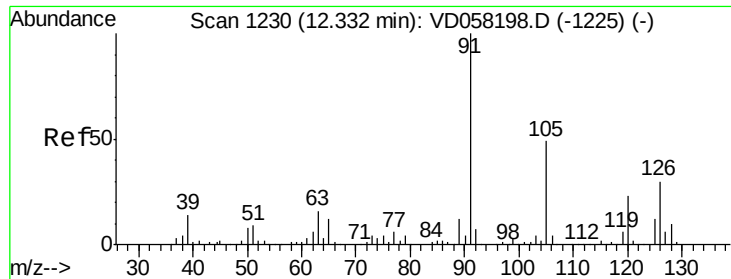
#81
 trans-1,4-Dichloro-2-butene
 Concen: 126.704 ug/l
 RT: 11.93 min Scan# 1189
 Delta R.T. 0.09 min
 Lab File: VD058217.D
 Acq: 20 Jun 2018 18:39

Tgt Ion: 75 Resp: 155616
 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: VD058217.D
 Acq: 20 Jun 2018 18:39

Instrument :
 MSVOA_D
 ClientSampleId :
 SSP-B-1-GRAB

Tot Ion: 91 Resp: 681
 Ion Ratio Lower Upper
 91 100
 126 0.0 14.9 44.9#

