

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032819\
 Data File : VD061401.D
 Acq On : 28 Mar 2019 20:00
 Operator : VA/AP
 Sample : K2097-05RE
 Misc : 3.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CS-17RE

Quant Time: Mar 29 01:21:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

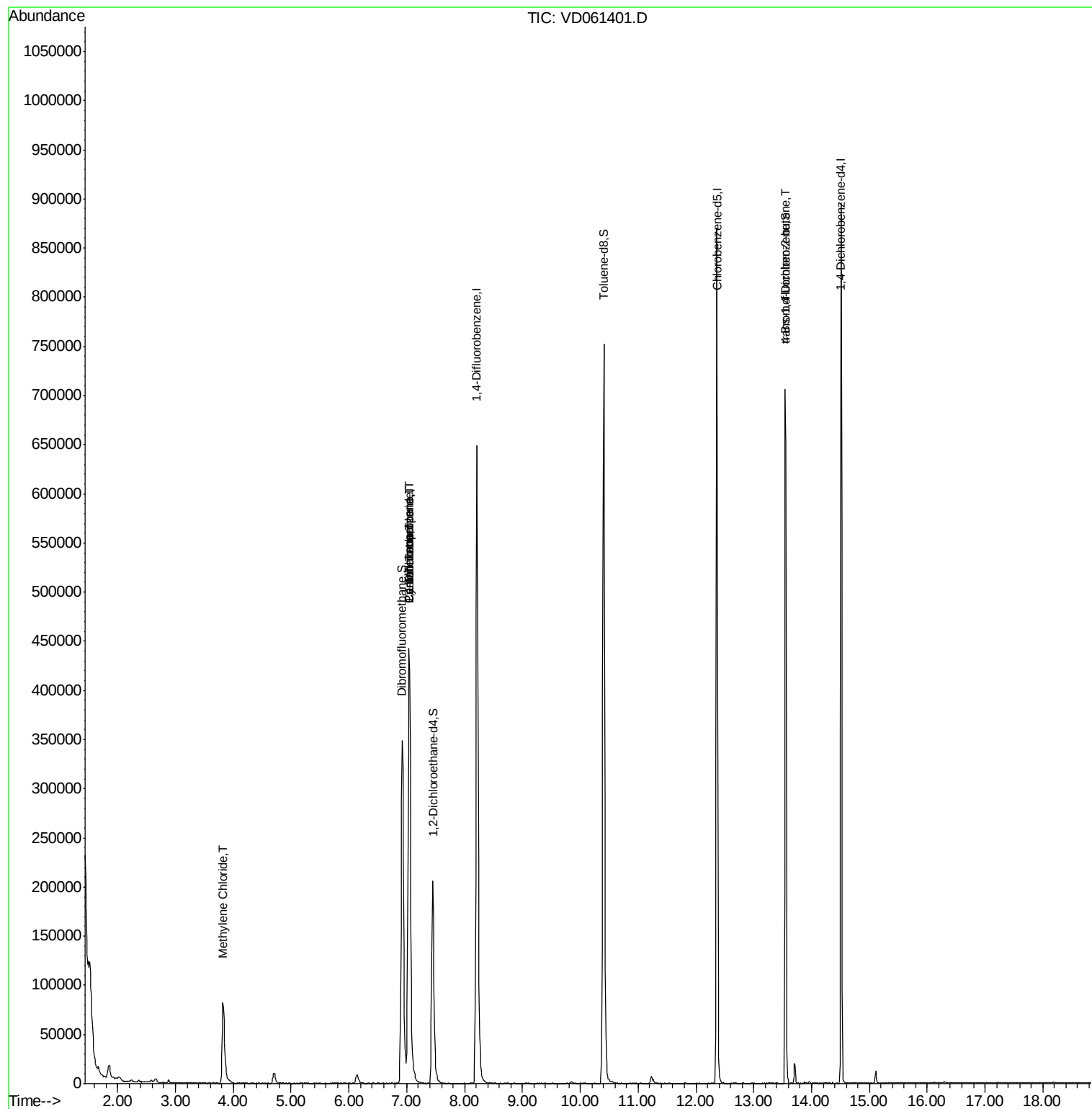
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	478232	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.21	114	836599	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.36	117	579612	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	204674	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	222730	54.52	ug/l	0.02
Spiked Amount 50.000			Recovery	=	109.04%	
35) Dibromofluoromethane	6.92	113	344876	53.94	ug/l	0.02
Spiked Amount 50.000			Recovery	=	107.88%	
50) Toluene-d8	10.41	98	690763	45.05	ug/l	0.02
Spiked Amount 50.000			Recovery	=	90.10%	
62) 4-Bromofluorobenzene	13.55	95	242433	41.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.46%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	3.82	84	68094	10.040	ug/l	98
31) Cyclohexane	7.04	56	7522	1.069	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	33756	4.623	ug/l #	44
38) Carbon Tetrachloride	7.04	117	45656	5.442	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.55	75	90147	100.001	ug/l #	18

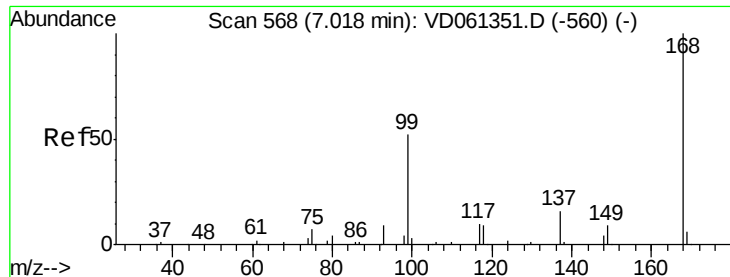
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032819\
Data File : VD061401.D
Acq On : 28 Mar 2019 20:00
Operator : VA/AP
Sample : K2097-05RE
Misc : 3.00µl/5ml/MSVOA D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
CS-17RE

Quant Time: Mar 29 01:21:55 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.03 min

Lab File: VD061401.D

Acq: 28 Mar 2019 20:00

Instrument :

MSVOA_D

ClientSampleId :

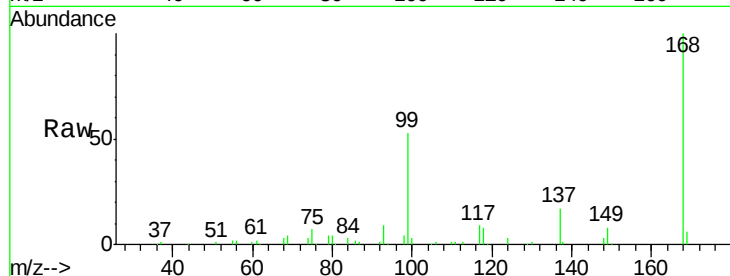
CS-17RE

Tot Ion:168 Resp: 478232

Ion Ratio Lower Upper

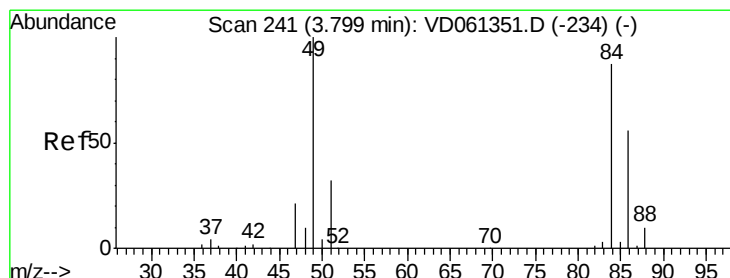
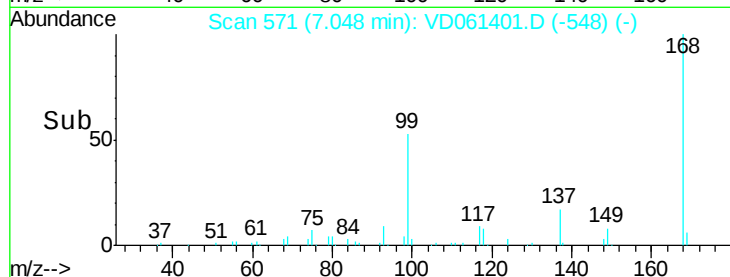
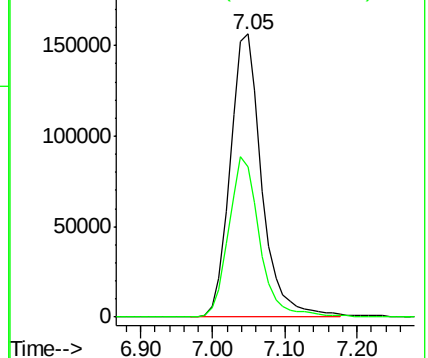
168 100

99 53.2 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#20

Methylene Chloride

Concen: 10.040 ug/l

RT: 3.82 min Scan# 243

Delta R.T. 0.02 min

Lab File: VD061401.D

Acq: 28 Mar 2019 20:00

Tgt Ion: 84 Resp: 68094

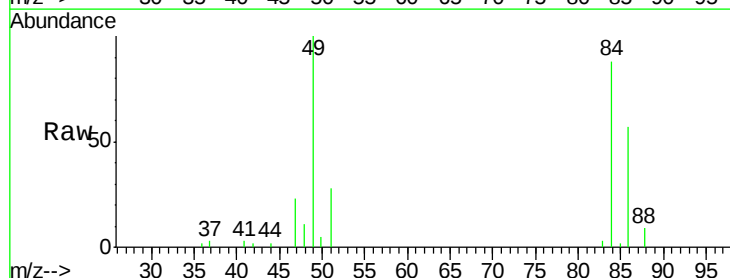
Ion Ratio Lower Upper

84 100

49 113.3 91.8 137.8

51 32.0 29.8 44.8

86 64.8 51.8 77.6

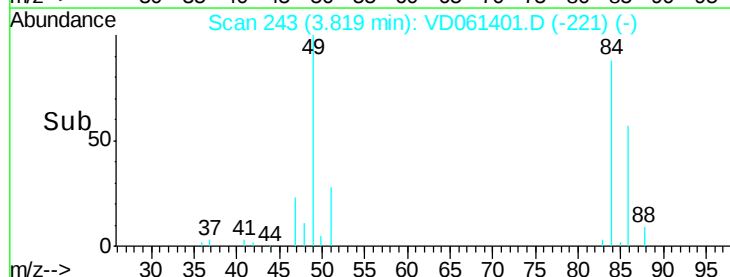
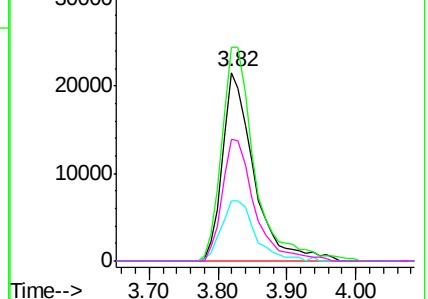


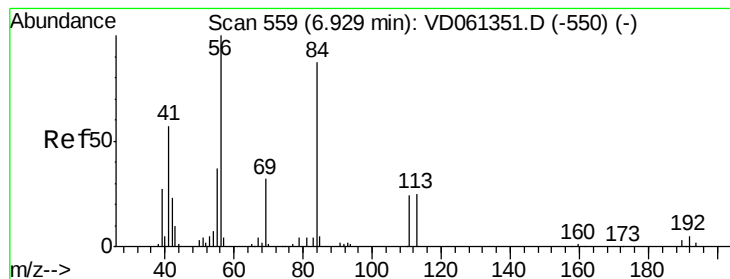
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 1.069 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.11 min

Lab File: VD061401.D

Acq: 28 Mar 2019 20:00

Instrument :

MSVOA_D

ClientSampleId :

CS-17RE

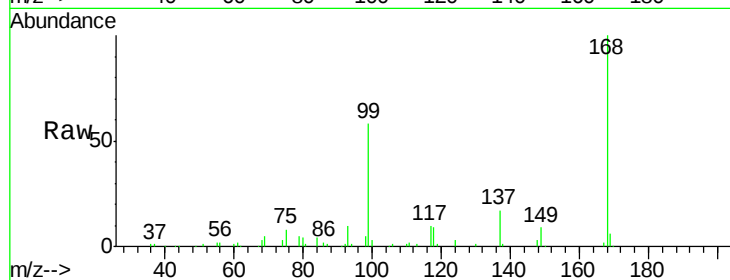
Tot Ion: 56 Resp: 7522

Ion Ratio Lower Upper

56 100

69 264.9 25.7 38.5#

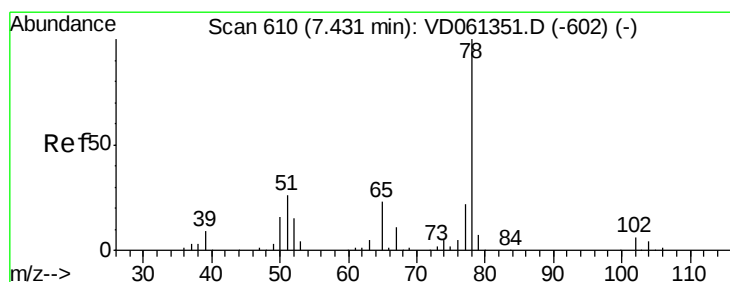
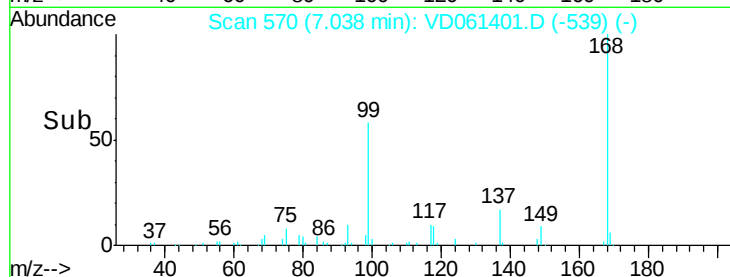
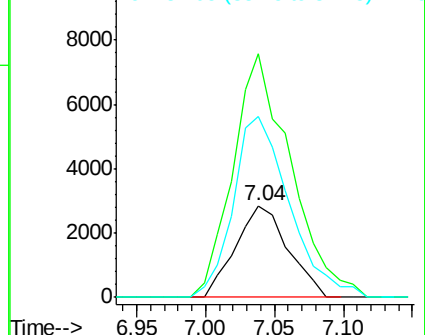
84 197.4 70.6 105.8#



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: 7.45 min Scan# 612

Delta R.T. 0.02 min

Lab File: VD061401.D

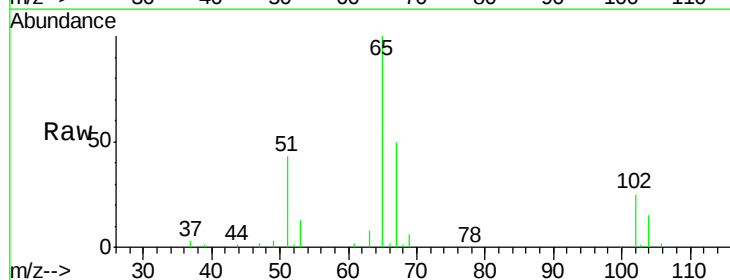
Acq: 28 Mar 2019 20:00

Tgt Ion: 65 Resp: 222730

Ion Ratio Lower Upper

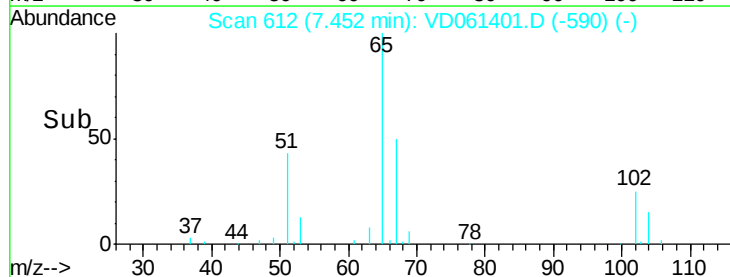
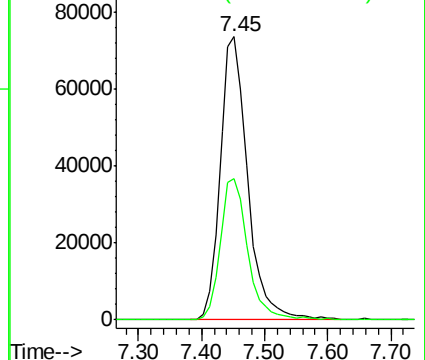
65 100

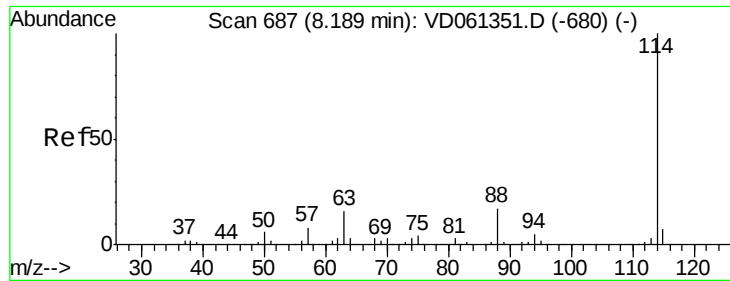
67 50.1 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

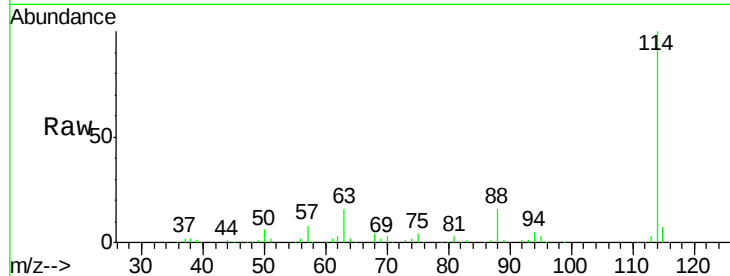




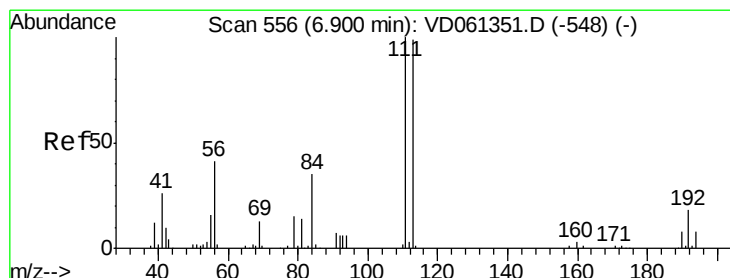
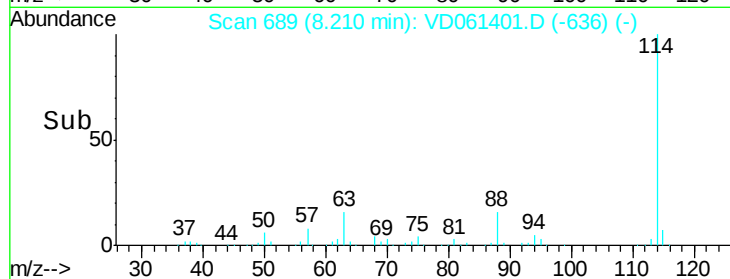
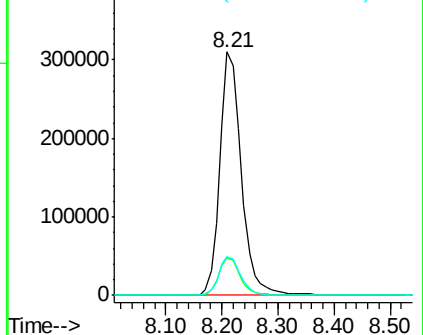
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.02 min
 Lab File: VD061401.D
 Acq: 28 Mar 2019 20:00

Instrument :
 MSVOA_D
 ClientSampleId :
 CS-17RE

Tot Ion:114 Resp: 836599
 Ion Ratio Lower Upper
 114 100
 63 15.7 0.0 31.6
 88 16.1 0.0 33.4

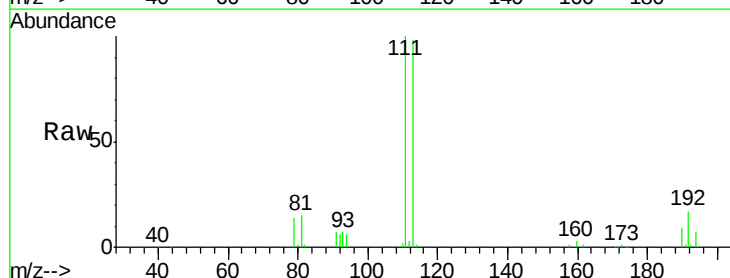


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

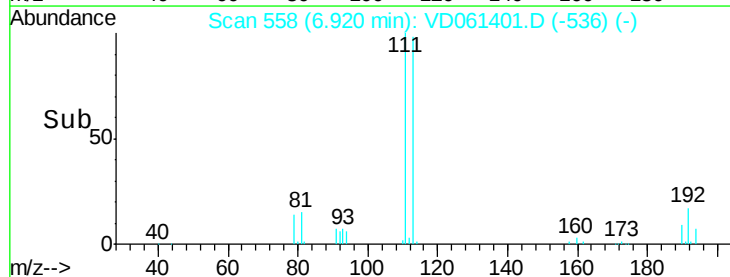
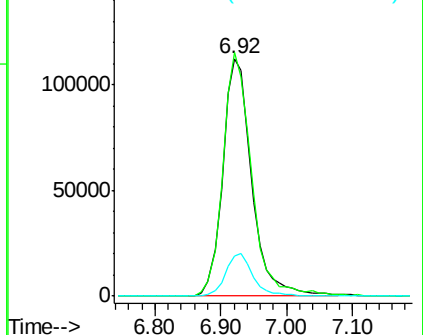


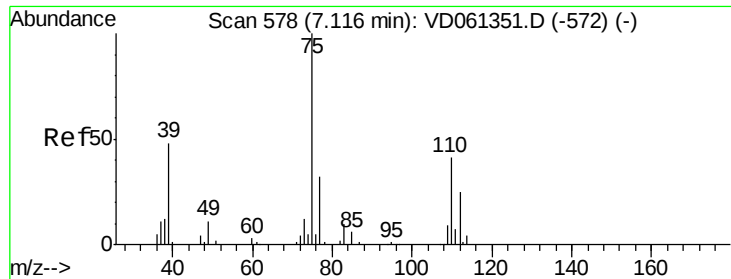
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.02 min
 Lab File: VD061401.D
 Acq: 28 Mar 2019 20:00

Tgt Ion:113 Resp: 344876
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.0 121.6
 192 17.0 14.4 21.6



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: 4.623 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.08 min

Lab File: VD061401.D

Acq: 28 Mar 2019 20:00

Instrument :

MSVOA_D

ClientSampleId :

CS-17RE

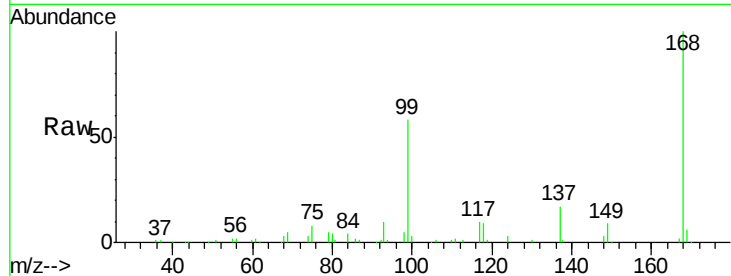
Tot Ion: 75 Resp: 33756

Ion Ratio Lower Upper

75 100

110 6.6 20.4 61.3#

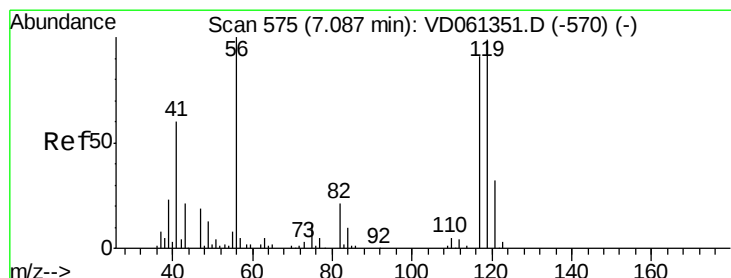
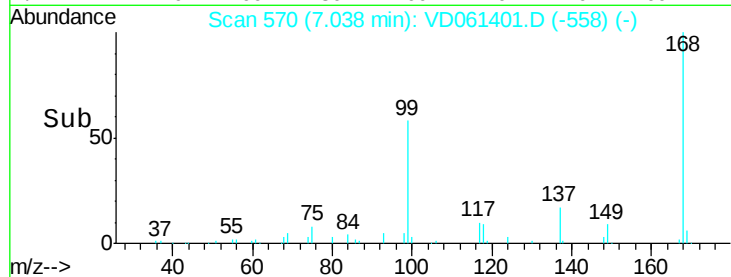
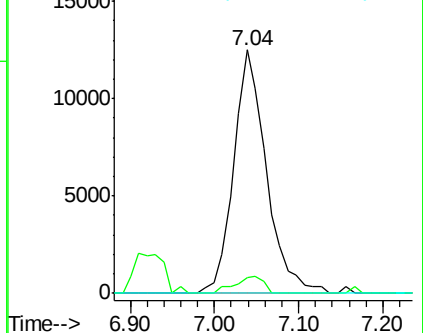
77 0.0 24.9 37.3#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V



#38

Carbon Tetrachloride

Concen: 5.442 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.05 min

Lab File: VD061401.D

Acq: 28 Mar 2019 20:00

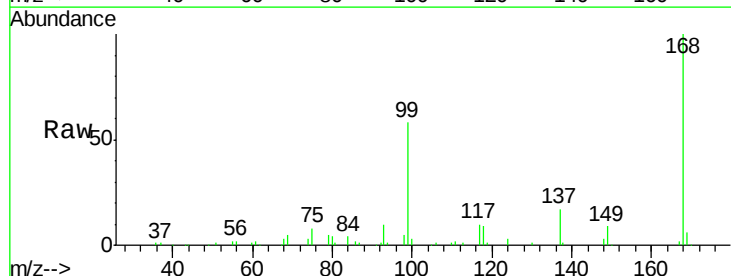
Tgt Ion: 117 Resp: 45656

Ion Ratio Lower Upper

117 100

119 5.8 80.1 120.1#

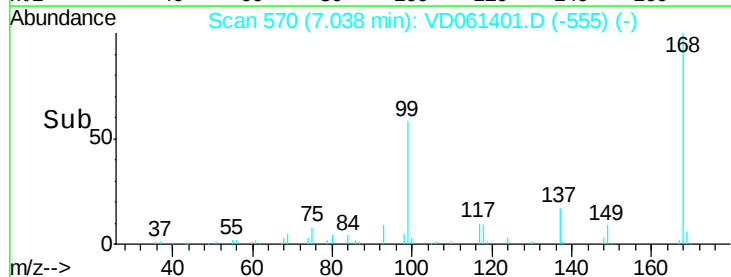
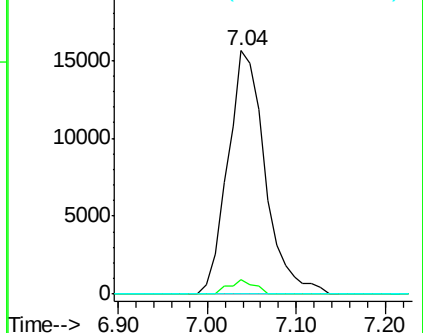
121 0.0 25.6 38.4#

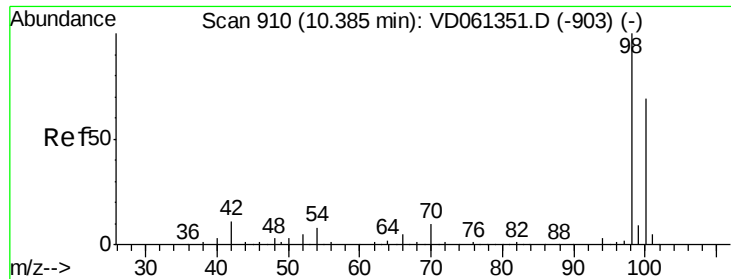


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

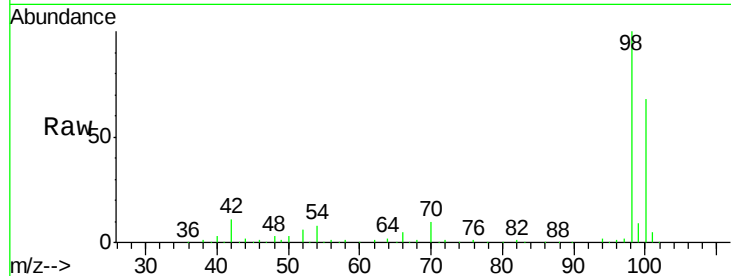




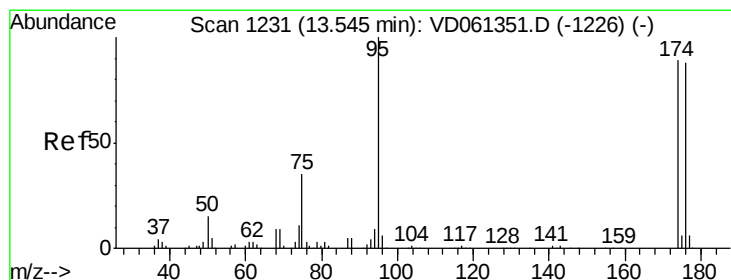
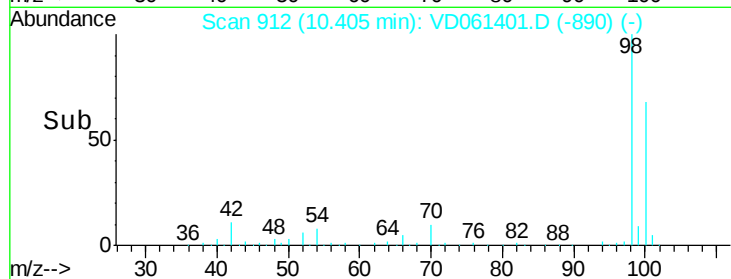
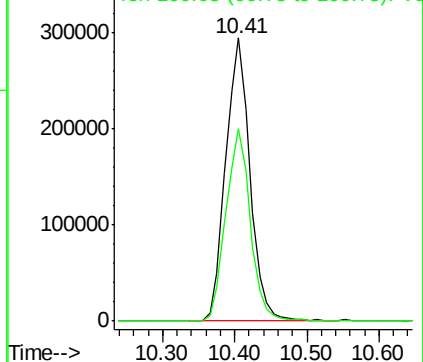
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.41 min Scan# 912
Delta R.T. 0.02 min
Lab File: VD061401.D
Acq: 28 Mar 2019 20:00

Instrument :
MSVOA_D
ClientSampleId :
CS-17RE

Tot Ion: 98 Resp: 690763
Ion Ratio Lower Upper
98 100
100 68.2 56.2 84.2

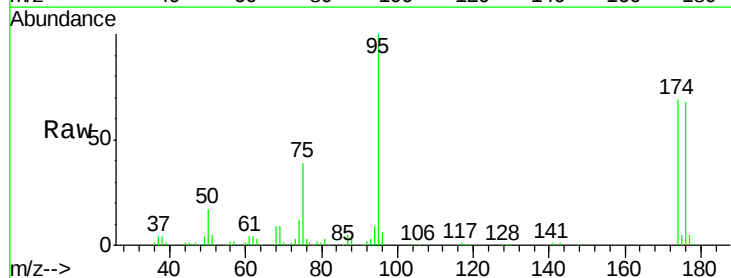


Abundance Ion 98.05 (97.75 to 98.75): VD061351.D (-903) (-)
Ion 100.05 (99.75 to 100.75): VD061351.D (-903) (-)

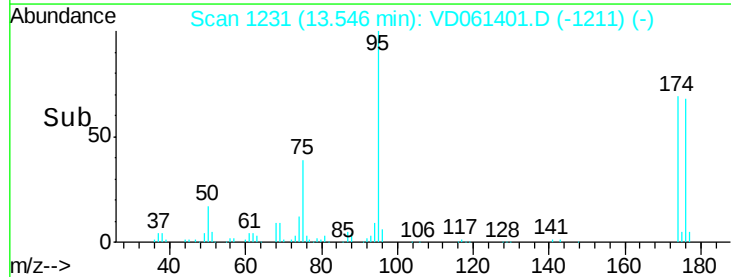
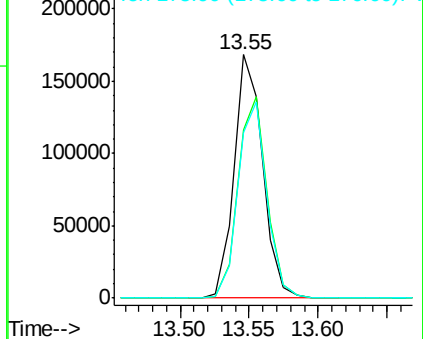


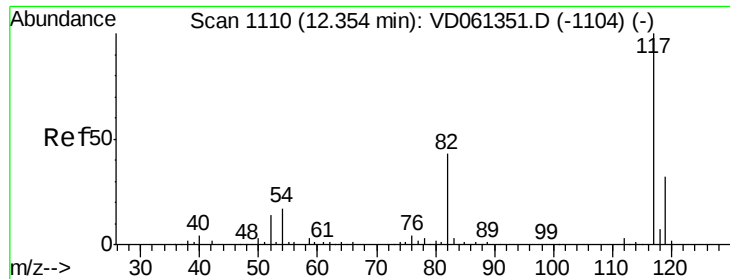
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VD061401.D
Acq: 28 Mar 2019 20:00

Tgt Ion: 95 Resp: 242433
Ion Ratio Lower Upper
95 100
174 69.2 0.0 178.0
176 68.2 0.0 175.0



Abundance Ion 95.00 (94.70 to 95.70): VD061351.D (-1226) (-)
Ion 173.90 (173.60 to 174.60): VD061351.D (-1226) (-)
Ion 175.90 (175.60 to 176.60): VD061351.D (-1226) (-)

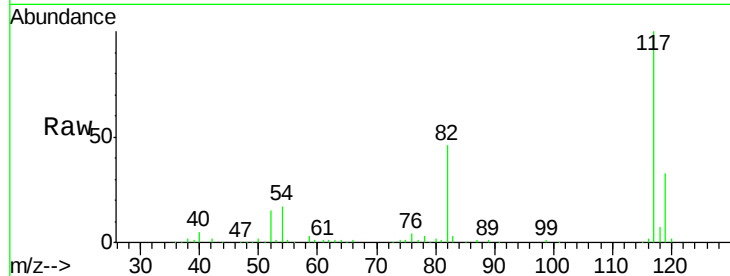




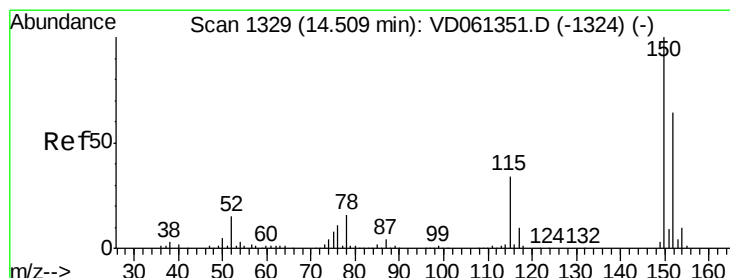
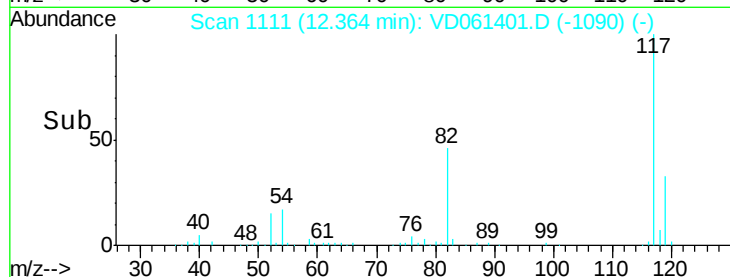
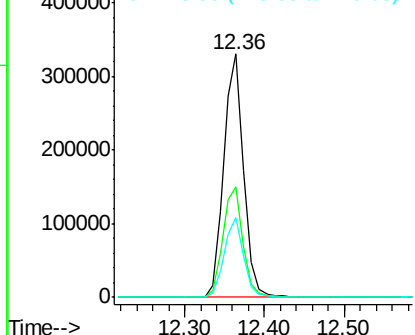
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 12.36 min Scan# 1111
 Delta R.T. 0.01 min
 Lab File: VD061401.D
 Acq: 28 Mar 2019 20:00

Instrument :
 MSVOA_D
 ClientSampleId :
 CS-17RE

Tot Ion:117 Resp: 579612
 Ion Ratio Lower Upper
 117 100
 82 45.5 34.4 51.6
 119 32.9 25.8 38.6

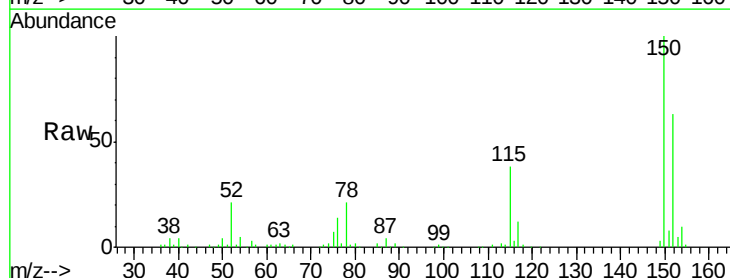


Abundance Ion 116.95 (116.65 to 117.65): V
 Ion 82.05 (81.75 to 82.75): V
 Ion 118.95 (118.65 to 119.65): V

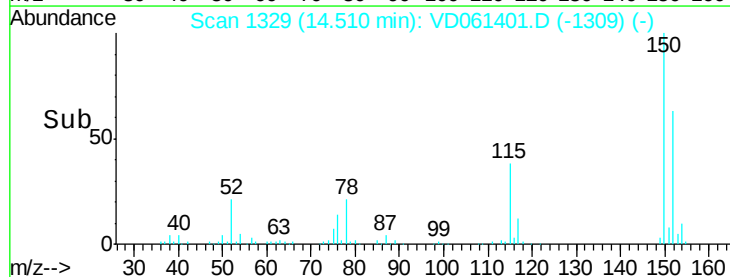
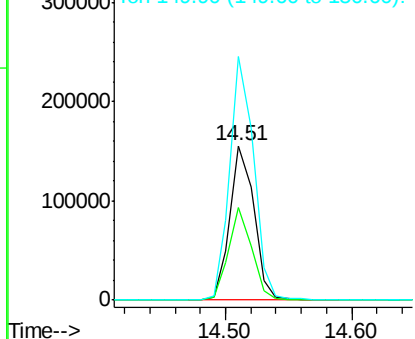


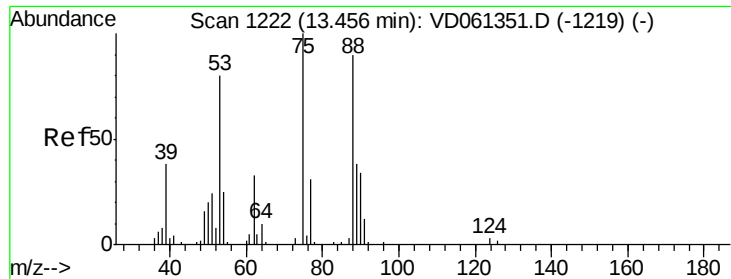
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.51 min Scan# 1329
 Delta R.T. 0.00 min
 Lab File: VD061401.D
 Acq: 28 Mar 2019 20:00

Tgt Ion:152 Resp: 204674
 Ion Ratio Lower Upper
 152 100
 115 59.6 26.9 80.6
 150 157.5 0.0 318.0



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: 100.001 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.09 min

Lab File: VD061401.D

Acq: 28 Mar 2019 20:00

Instrument :

MSVOA_D

ClientSampleId :

CS-17RE

Tot Ion: 75 Resp: 90147

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

89 0.0 30.5 45.7#

