

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
 Data File : VD061513.D
 Acq On : 2 Apr 2019 14:43
 Operator : VA/AP
 Sample : K2189-10
 Misc : 5.07g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 03 01:50:16 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	7.04	168	385355	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	618501	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.36	117	449210	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	164472	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	178516	54.23	ug/l	0.02
Spiked Amount 50.000			Recovery	=	108.46%	
35) Dibromofluoromethane	6.92	113	264455	55.95	ug/l	0.02
Spiked Amount 50.000			Recovery	=	111.90%	
50) Toluene-d8	10.40	98	557640	49.19	ug/l	0.02
Spiked Amount 50.000			Recovery	=	98.38%	
62) 4-Bromofluorobenzene	13.55	95	178661	41.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.20%	

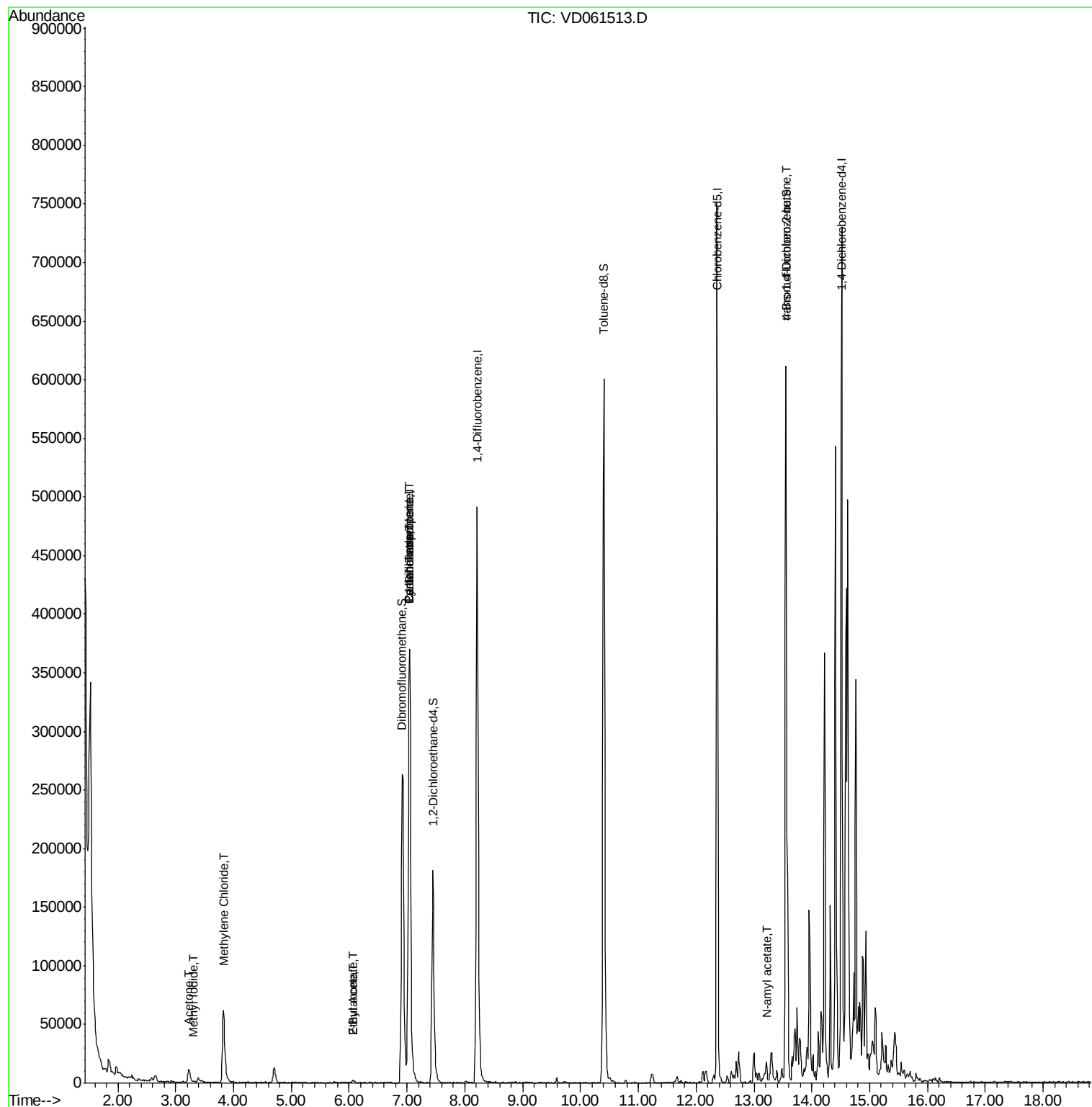
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.31	142	213	3.493	ug/l #	38
16) Acetone	3.22	43	25959	30.676	ug/l	92
20) Methylene Chloride	3.83	84	49532	8.869	ug/l	97
25) 2-Butanone	6.06	43	5296	4.975	ug/l #	54
31) Cyclohexane	7.04	56	7358	1.298	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	27000	5.002	ug/l #	47
37) Ethyl Acetate	6.06	43	5296	2.294	ug/l #	65
38) Carbon Tetrachloride	7.04	117	37118	5.984	ug/l #	14
74) N-amyl acetate	13.22	43	4436	1.391	ug/l #	41
81) trans-1,4-Dichloro-2-buten	13.55	75	64735	89.364	ug/l #	18

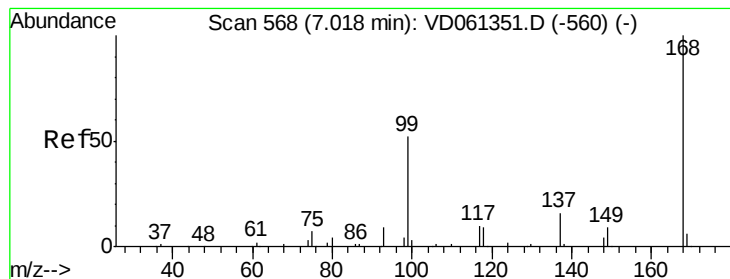
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040219\
Data File : VD061513.D
Acq On : 2 Apr 2019 14:43
Operator : VA/AP
Sample : K2189-10
Misc : 5.07g/5ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Apr 03 01:50:16 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: 7.04 min Scan# 571

Delta R.T. 0.03 min

Lab File: VD061513.D

Acq: 2 Apr 2019 14:43

Instrument :

MSVOA_D

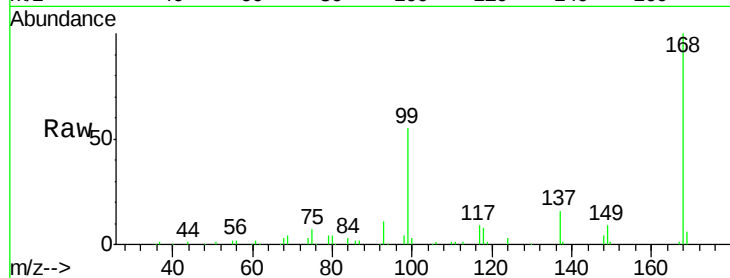
ClientSampleId :

Tot Ion:168 Resp: 385355

Ion Ratio Lower Upper

168 100

99 55.4 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.04

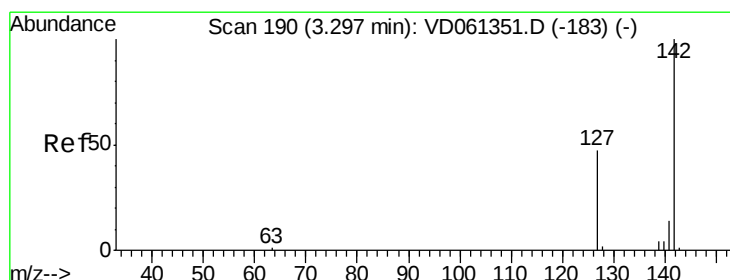
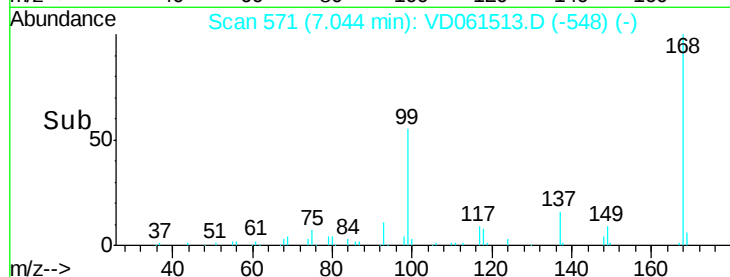
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 3.493 ug/l

RT: 3.31 min Scan# 192

Delta R.T. 0.02 min

Lab File: VD061513.D

Acq: 2 Apr 2019 14:43

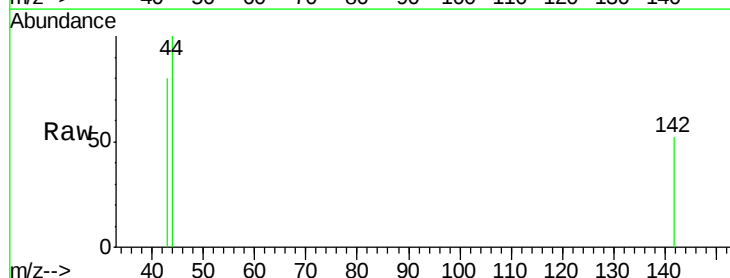
Tgt Ion:142 Resp: 213

Ion Ratio Lower Upper

142 100

127 0.0 37.7 56.5#

141 0.0 11.5 17.3#



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

3.31

500

400

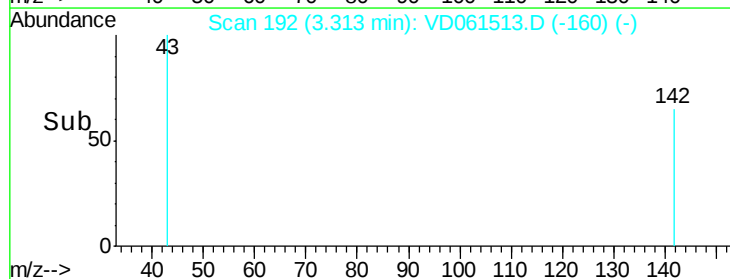
300

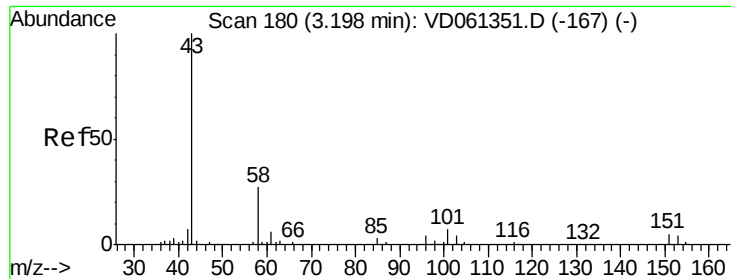
200

100

0

Time-->





#16

Acetone

Concen: 30.676 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD061513.D

Acq: 2 Apr 2019 14:43

Instrument :

MSVOA_D

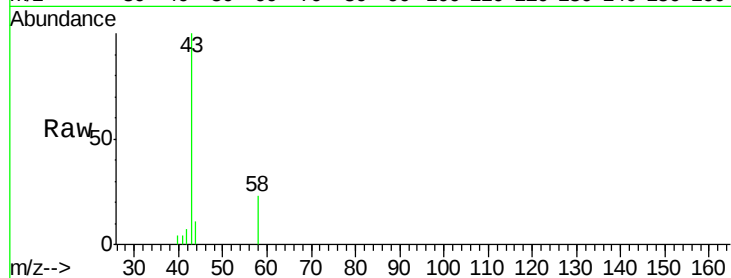
ClientSampleId :

Tot Ion: 43 Resp: 25959

Ion Ratio Lower Upper

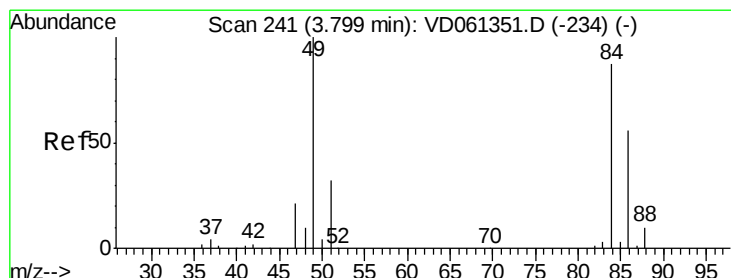
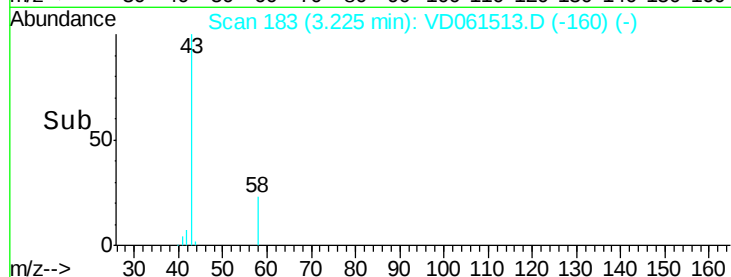
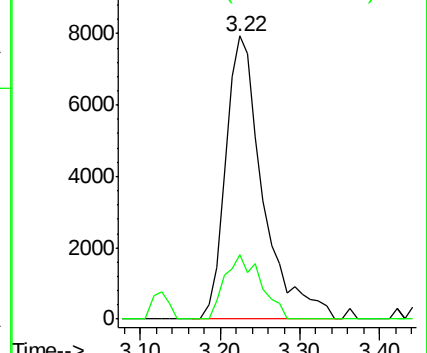
43 100

58 22.6 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 8.869 ug/l

RT: 3.83 min Scan# 244

Delta R.T. 0.03 min

Lab File: VD061513.D

Acq: 2 Apr 2019 14:43

Tgt Ion: 84 Resp: 49532

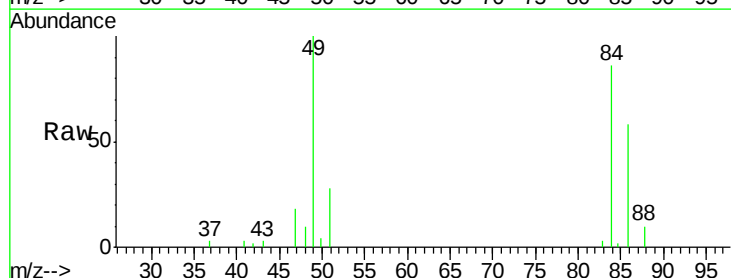
Ion Ratio Lower Upper

84 100

49 115.8 91.8 137.8

51 32.1 29.8 44.8

86 67.6 51.8 77.6

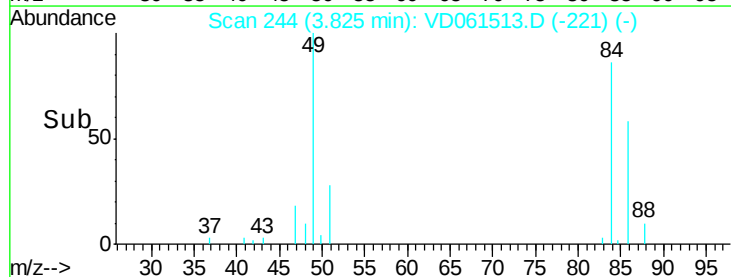
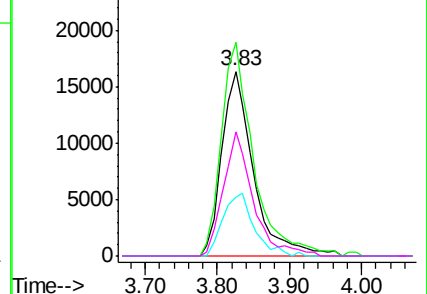


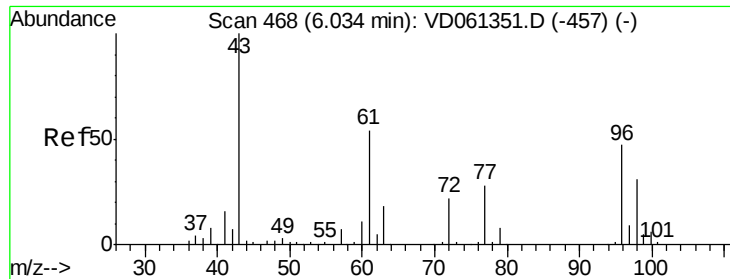
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

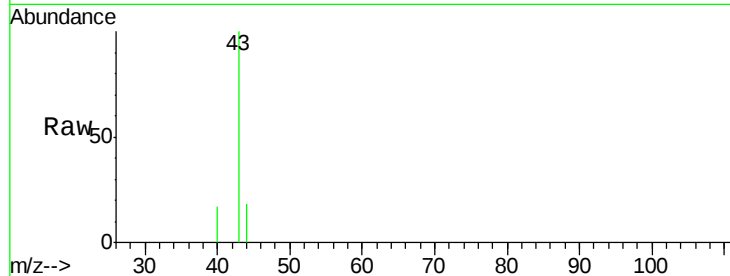




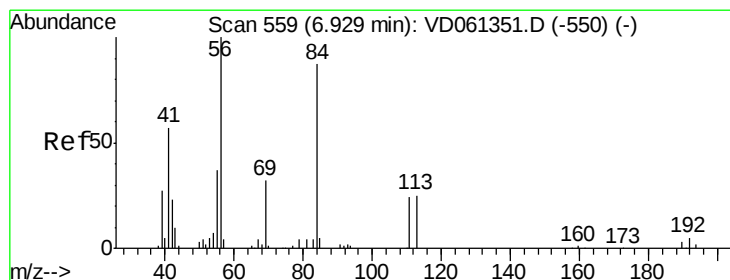
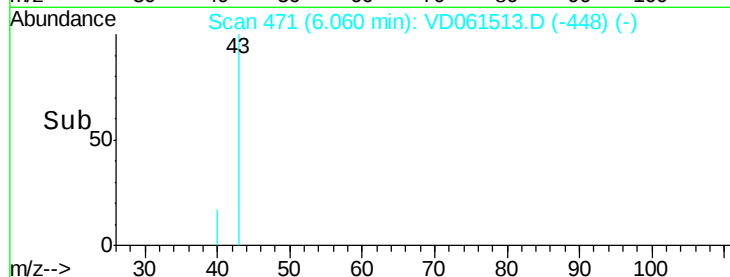
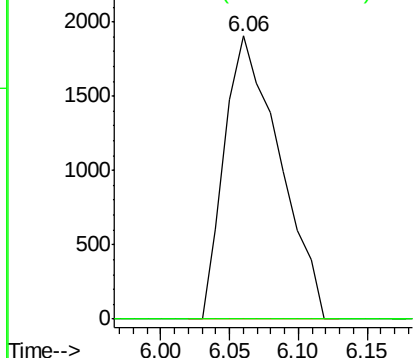
#25
2-Butanone
Concen: 4.975 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.03 min
Lab File: VD061513.D
Acq: 2 Apr 2019 14:43

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 5296
Ion Ratio Lower Upper
43 100
72 0.0 17.2 25.8#

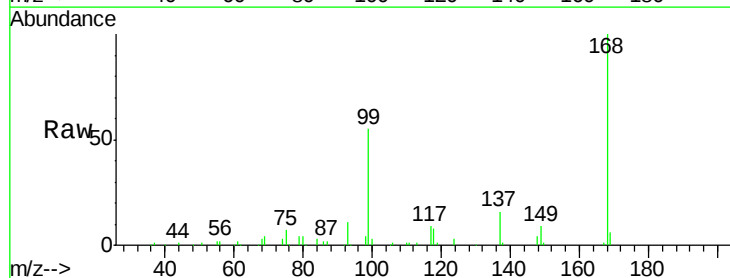


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC

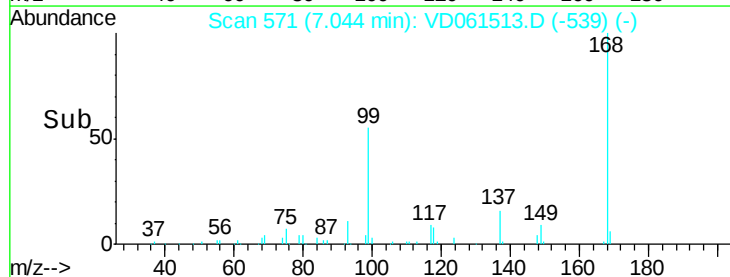
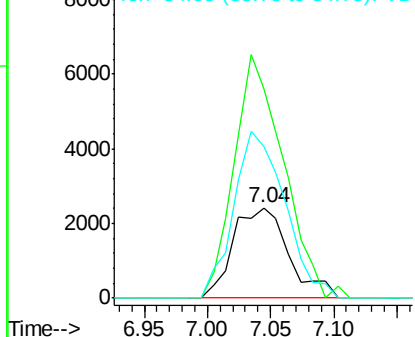


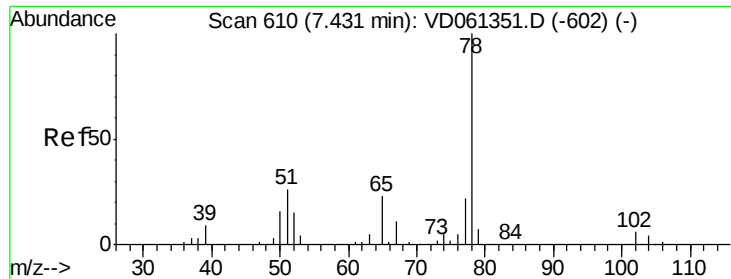
#31
Cyclohexane
Concen: 1.298 ug/l
RT: 7.04 min Scan# 571
Delta R.T. 0.11 min
Lab File: VD061513.D
Acq: 2 Apr 2019 14:43

Tgt Ion: 56 Resp: 7358
Ion Ratio Lower Upper
56 100
69 231.1 25.7 38.5#
84 167.2 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

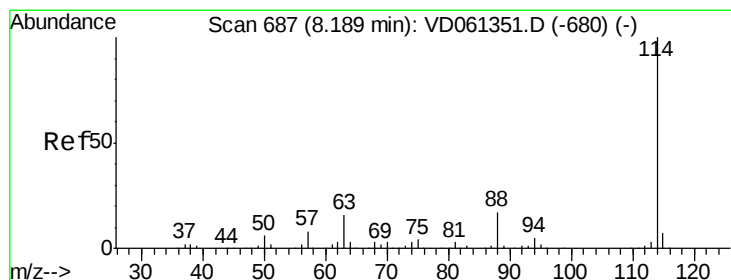
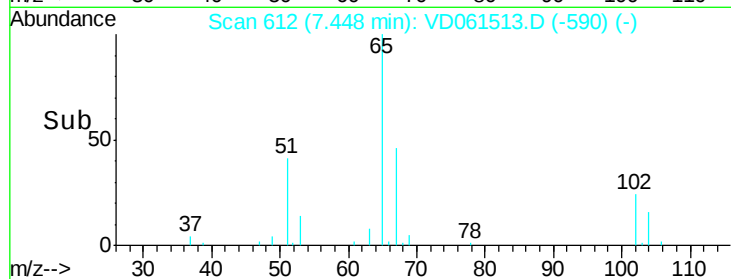
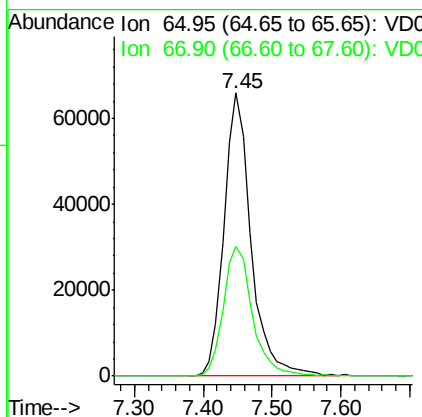
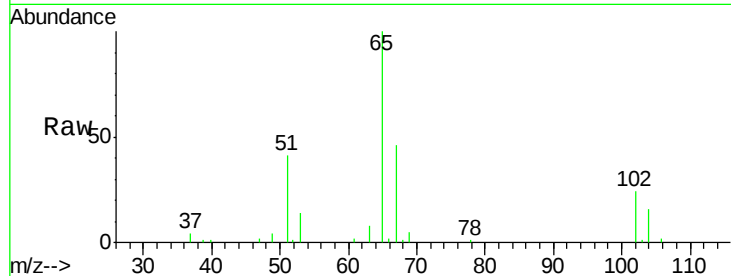




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.02 min
 Lab File: VD061513.D
 Acq: 2 Apr 2019 14:43

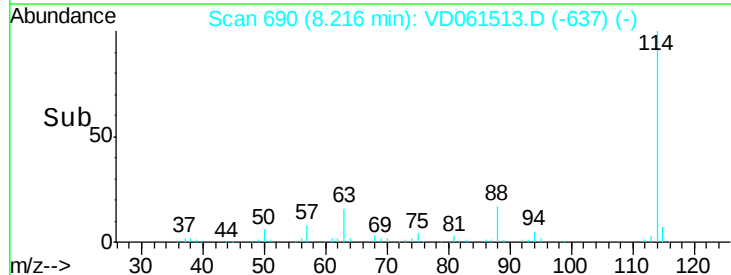
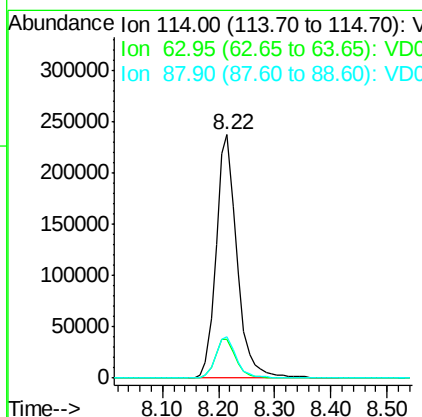
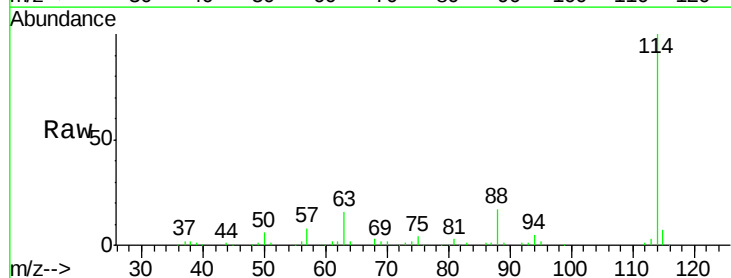
Instrument :
 MSVOA_D
 ClientSampleId :

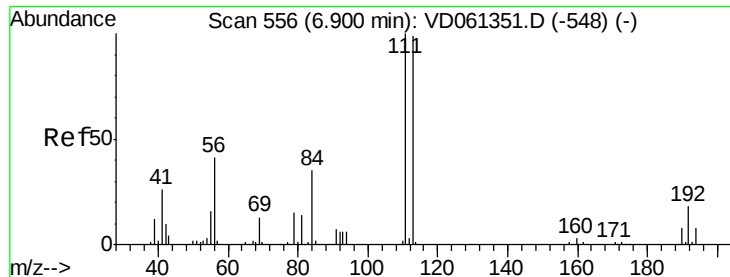
Tot Ion: 65 Resp: 178516
 Ion Ratio Lower Upper
 65 100
 67 45.9 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.03 min
 Lab File: VD061513.D
 Acq: 2 Apr 2019 14:43

Tgt Ion: 114 Resp: 618501
 Ion Ratio Lower Upper
 114 100
 63 16.2 0.0 31.6
 88 16.8 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.02 min

Lab File: VD061513.D

Acq: 2 Apr 2019 14:43

Instrument :
MSVOA_D
ClientSampled :

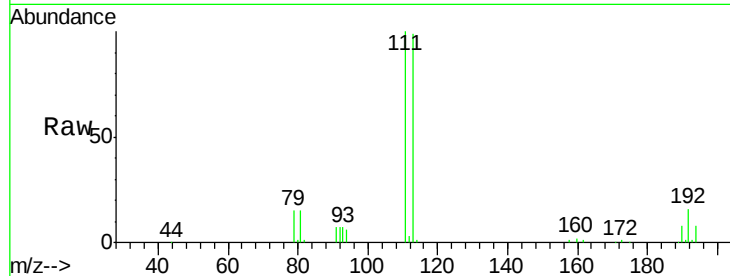
Tot Ion:113 Resp: 264455

Ion Ratio Lower Upper

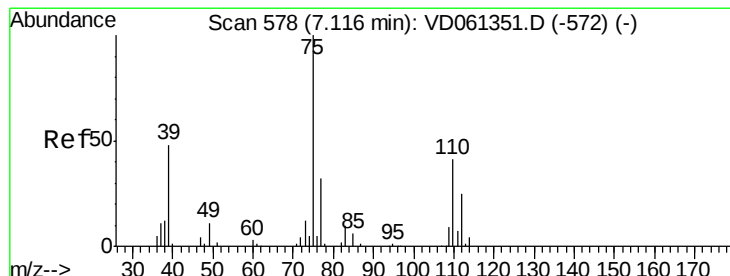
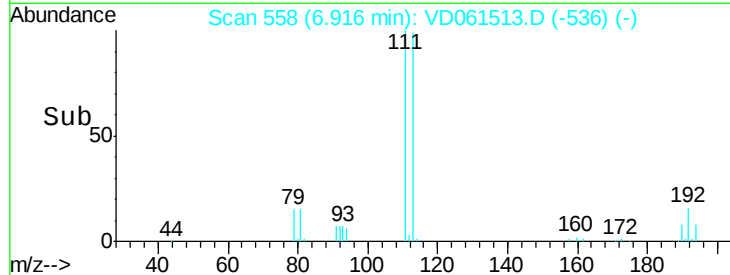
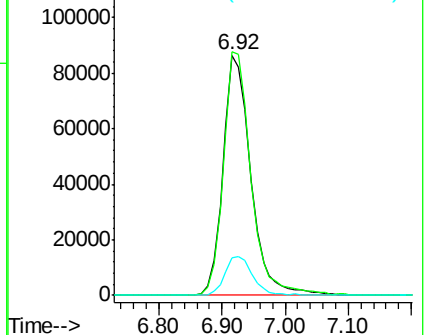
113 100

111 101.5 81.0 121.6

192 15.8 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: 5.002 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.07 min

Lab File: VD061513.D

Acq: 2 Apr 2019 14:43

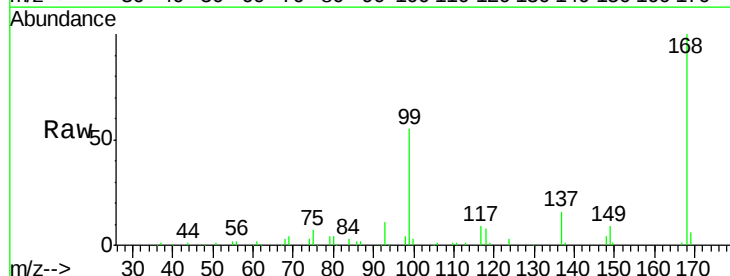
Tgt Ion: 75 Resp: 27000

Ion Ratio Lower Upper

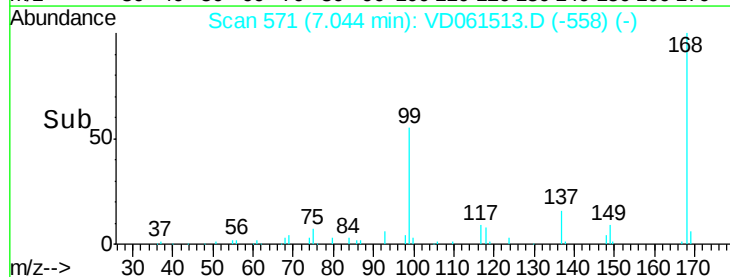
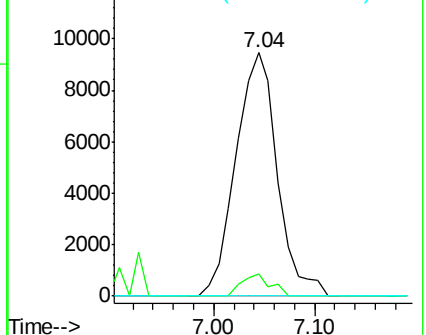
75 100

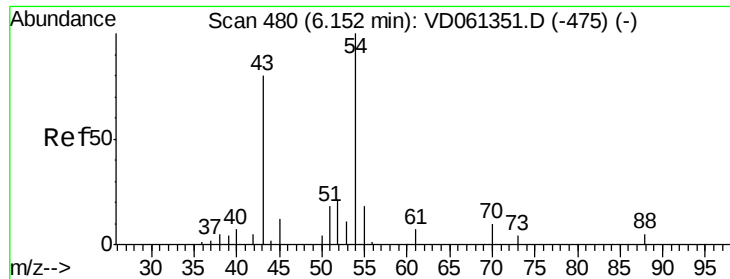
110 9.1 20.4 61.3#

77 0.0 24.9 37.3#



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





#37

Ethyl Acetate

Concen: 2.294 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.09 min

Lab File: VD061513.D

Acq: 2 Apr 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

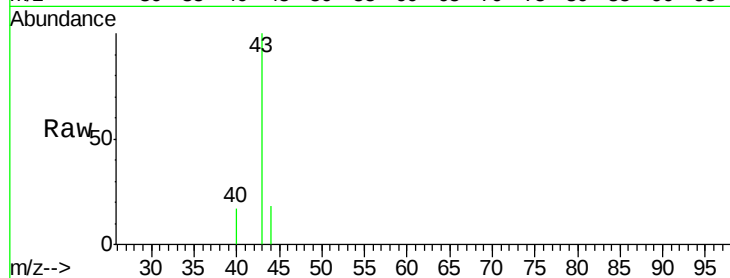
Tot Ion: 43 Resp: 5296

Ion Ratio Lower Upper

43 100

61 0.0 13.8 20.8#

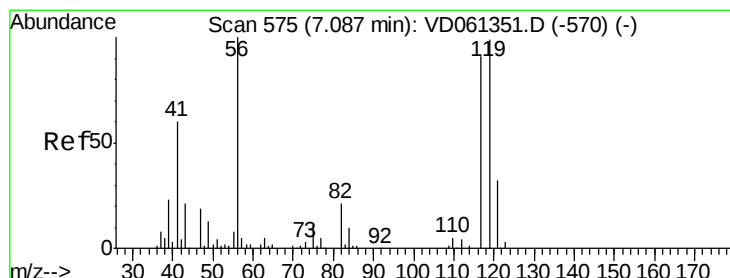
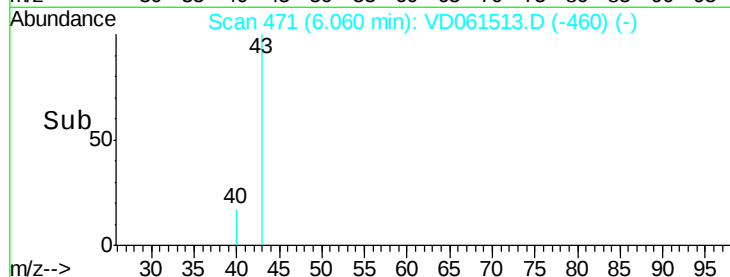
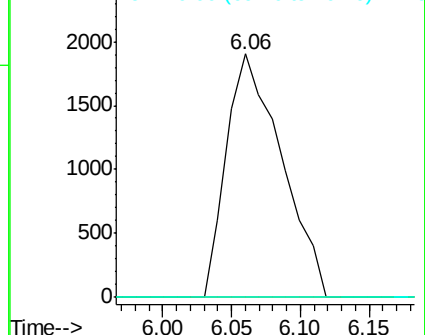
70 0.0 7.8 11.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 5.984 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.04 min

Lab File: VD061513.D

Acq: 2 Apr 2019 14:43

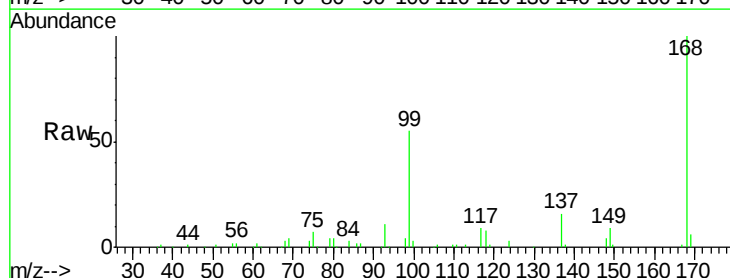
Tgt Ion: 117 Resp: 37118

Ion Ratio Lower Upper

117 100

119 5.5 80.1 120.1#

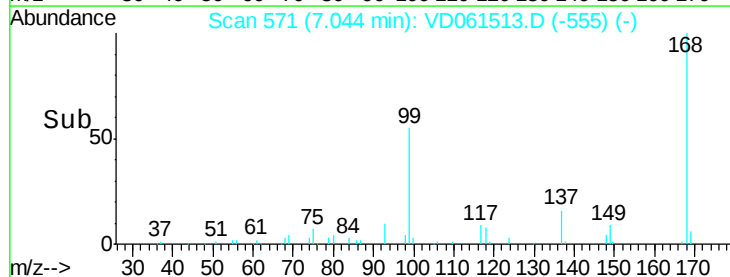
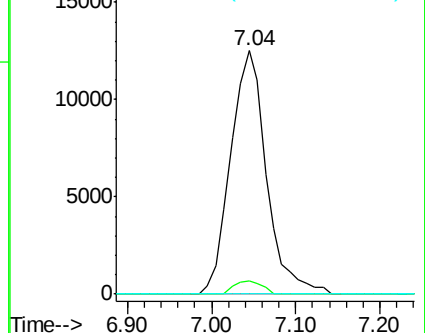
121 0.0 25.6 38.4#

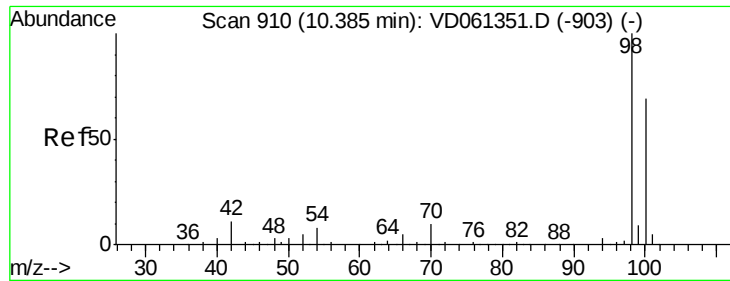


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

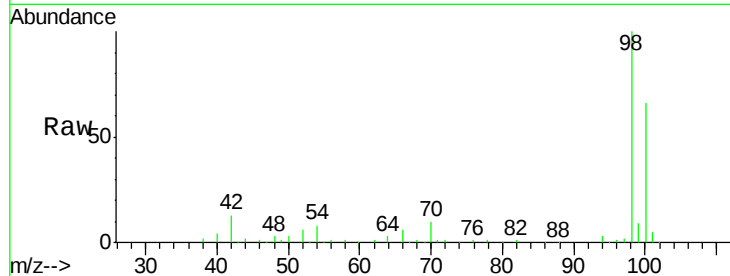




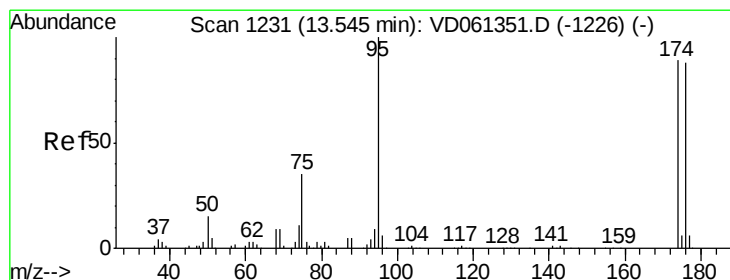
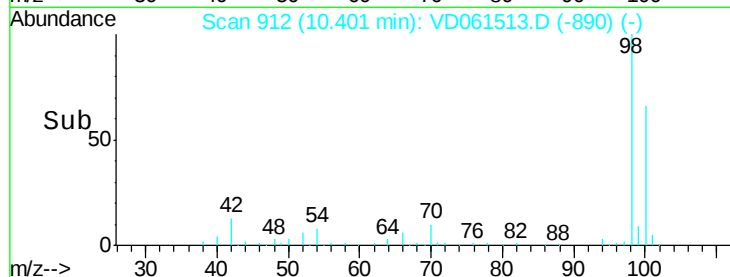
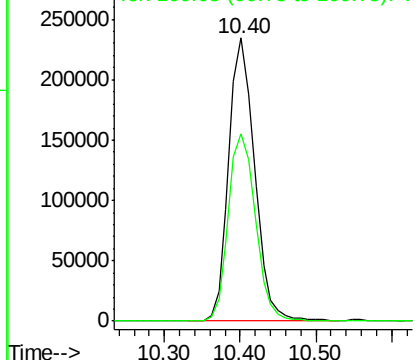
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.02 min
Lab File: VD061513.D
Acq: 2 Apr 2019 14:43

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 557640
Ion Ratio Lower Upper
98 100
100 66.3 56.2 84.2

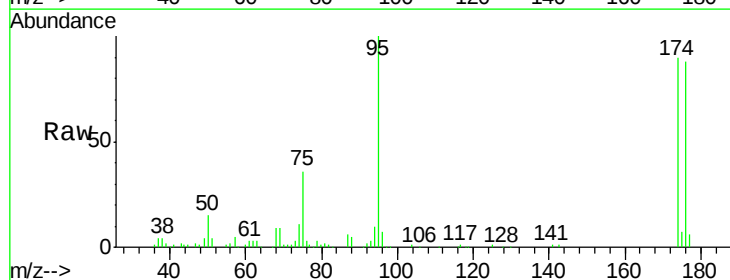


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

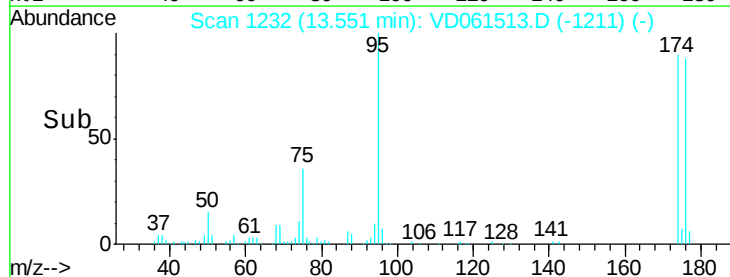
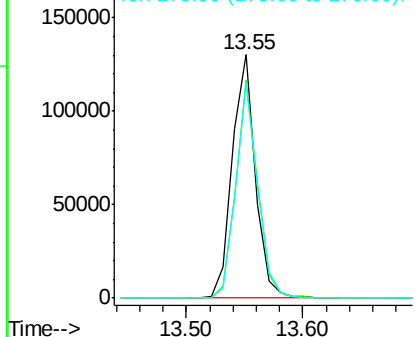


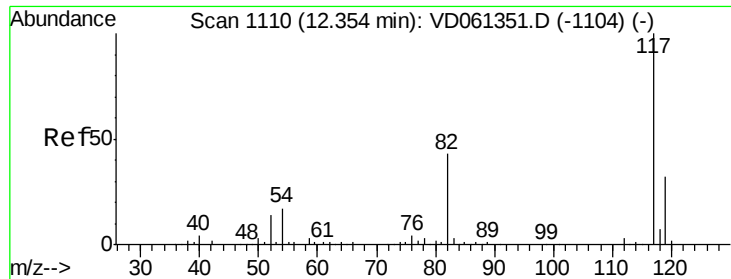
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD061513.D
Acq: 2 Apr 2019 14:43

Tgt Ion: 95 Resp: 178661
Ion Ratio Lower Upper
95 100
174 89.7 0.0 178.0
176 88.5 0.0 175.0



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

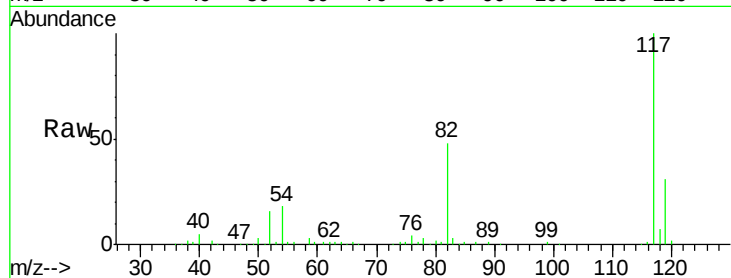




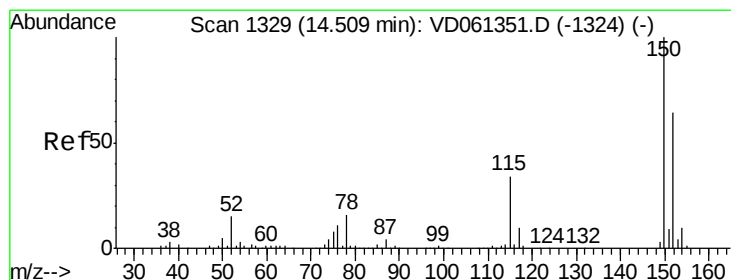
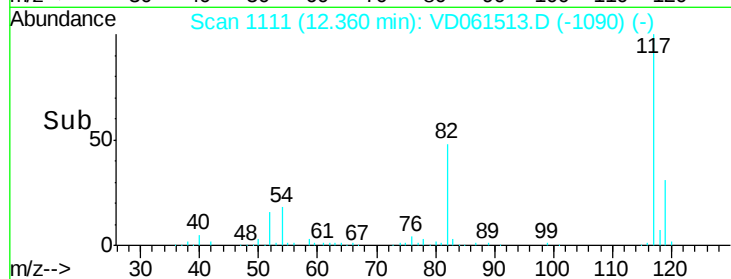
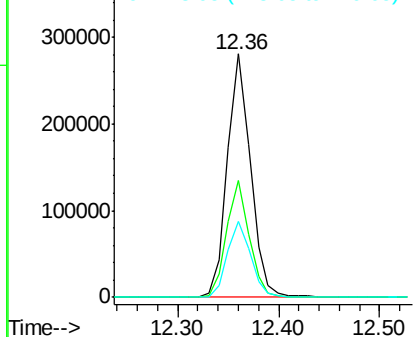
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD061513.D
Acq: 2 Apr 2019 14:43

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 449210
Ion Ratio Lower Upper
117 100
82 48.1 34.4 51.6
119 31.2 25.8 38.6

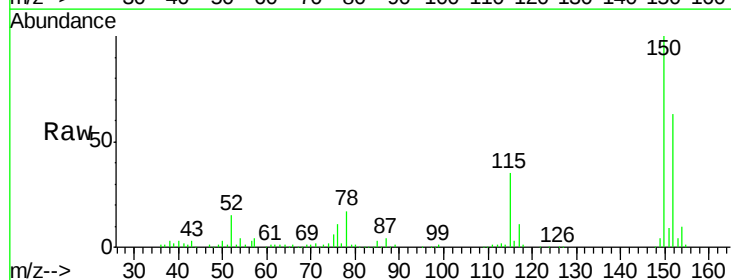


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

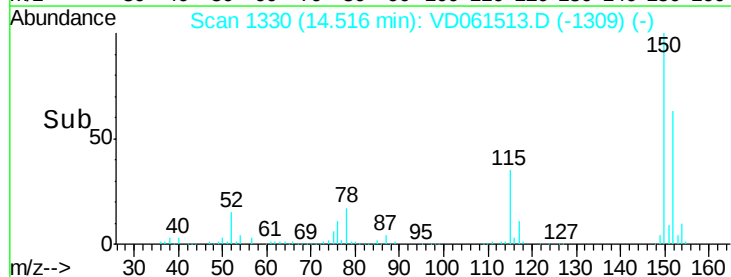
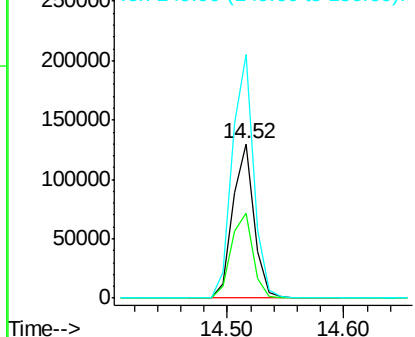


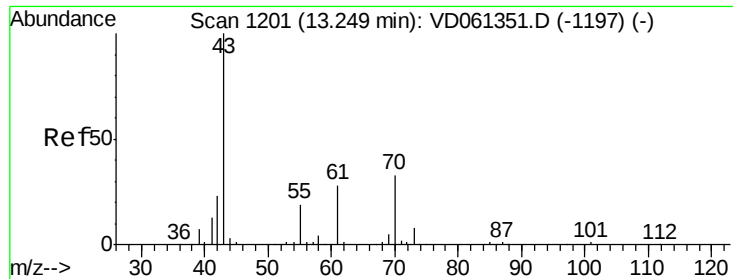
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD061513.D
Acq: 2 Apr 2019 14:43

Tgt Ion:152 Resp: 164472
Ion Ratio Lower Upper
152 100
115 55.1 26.9 80.6
150 157.6 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





#74

N-amvl acetate

Concen: 1.391 ug/l

RT: 13.22 min Scan# 1198

Delta R.T. -0.03 min

Lab File: VD061513.D

Acq: 2 Apr 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 43 Resp: 4436

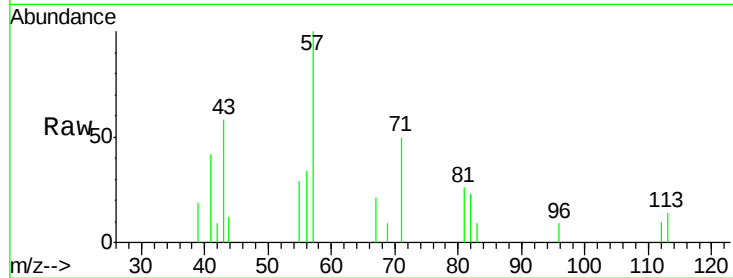
Ion Ratio Lower Upper

43 100

70 0.0 26.6 40.0#

55 49.5 15.4 23.2#

61 0.0 22.2 33.4#

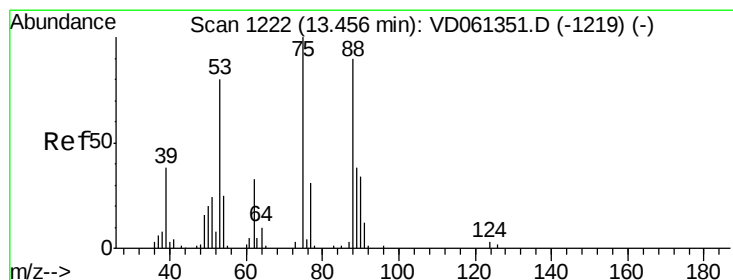
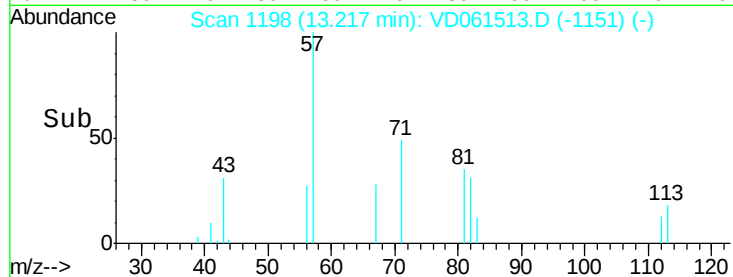
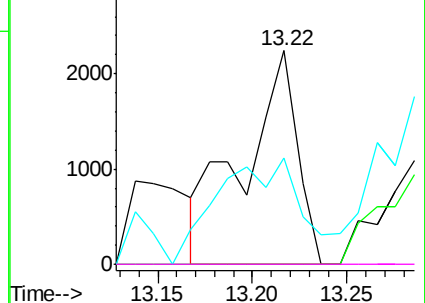


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 89.364 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.10 min

Lab File: VD061513.D

Acq: 2 Apr 2019 14:43

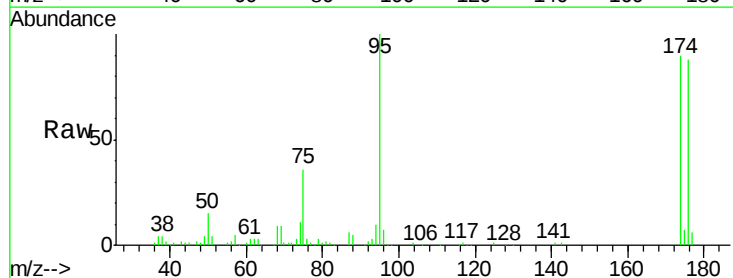
Tgt Ion: 75 Resp: 64735

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

89 0.0 30.5 45.7#



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

