

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
 Data File : VD061516.D
 Acq On : 2 Apr 2019 16:06
 Operator : VA/AP
 Sample : K2189-10RE
 Misc : 5.01g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 03 01:52:02 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	204310	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	367278	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.35	117	316759	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	125578	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	114133	65.39	ug/l	0.01
Spiked Amount			Recovery	=	130.78%	
35) Dibromofluoromethane	6.92	113	145546	51.86	ug/l	0.02
Spiked Amount			Recovery	=	103.72%	
50) Toluene-d8	10.39	98	293661	43.62	ug/l	0.01
Spiked Amount			Recovery	=	87.24%	
62) 4-Bromofluorobenzene	13.55	95	113928	44.13	ug/l	0.00
Spiked Amount			Recovery	=	88.26%	

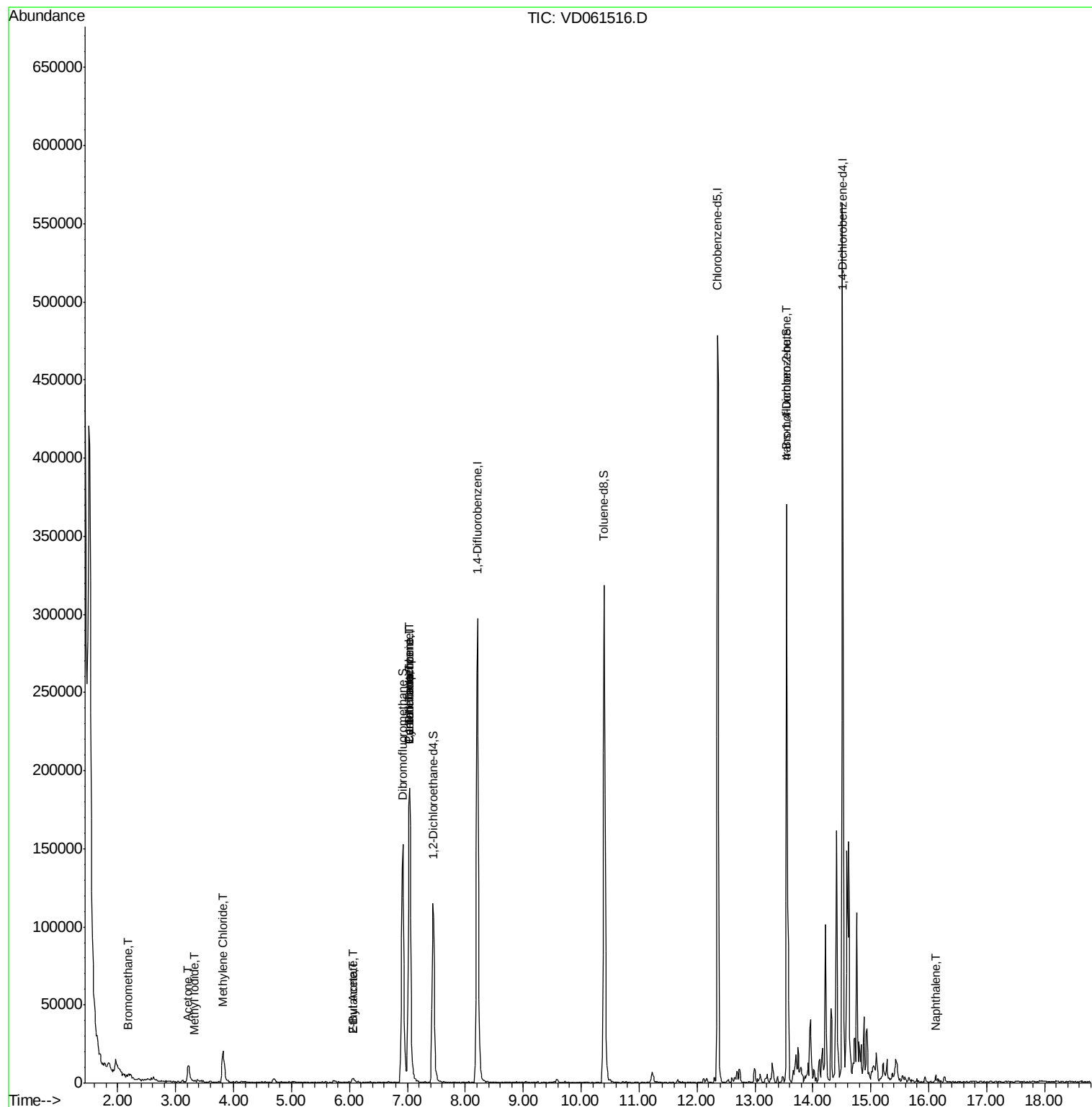
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.17	94	562	1.735	ug/l #	10
10) Methyl Iodide	3.33	142	1128	3.736	ug/l #	38
16) Acetone	3.22	43	23556	52.503	ug/l	97
20) Methylene Chloride	3.81	84	15872	4.571	ug/l	98
25) 2-Butanone	6.06	43	6984	12.375	ug/l #	89
31) Cyclohexane	7.03	56	3320	1.104	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	14592	4.552	ug/l #	44
37) Ethyl Acetate	6.06	43	6984	5.094	ug/l #	65
38) Carbon Tetrachloride	7.04	117	18411	4.998	ug/l #	10
81) trans-1,4-Dichloro-2-buten	13.55	75	41169	74.434	ug/l #	18
95) Naphthalene	16.11	128	3404	1.362	ug/l #	83

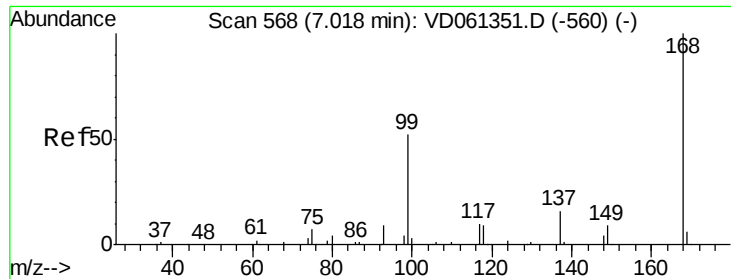
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040219\
Data File : VD061516.D
Acq On : 2 Apr 2019 16:06
Operator : VA/AP
Sample : K2189-10RE
Misc : 5.01µl/5ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Apr 03 01:52:02 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# 570

Delta R.T. 0.02 min

Lab File: VD061516.D

Acq: 2 Apr 2019 16:06

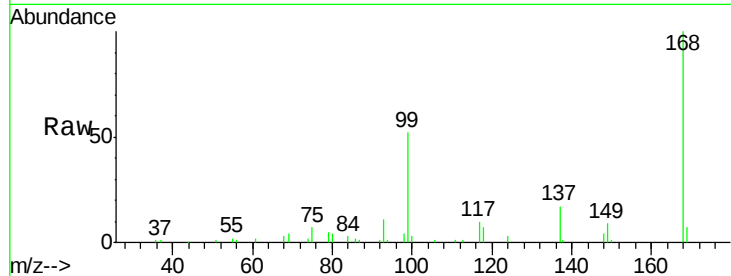
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 204310

Ion Ratio Lower Upper

168 100

99 51.9 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

80000

60000

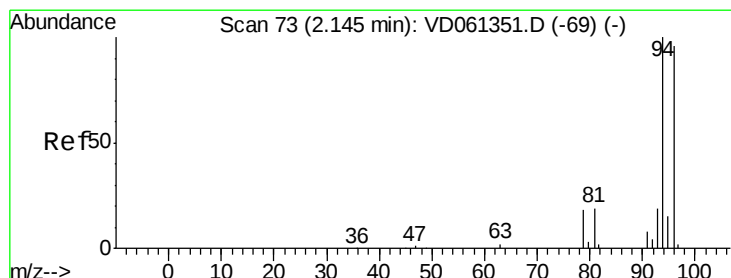
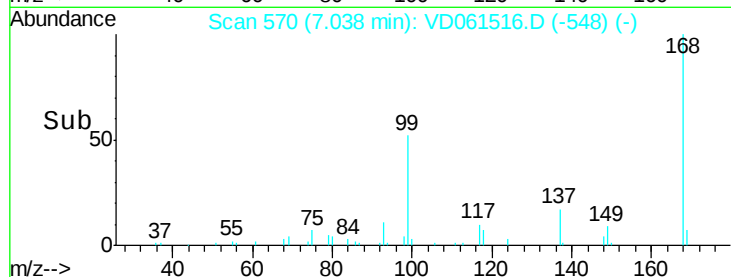
40000

20000

0

Time-->

6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 1.735 ug/l

RT: 2.17 min Scan# 76

Delta R.T. 0.03 min

Lab File: VD061516.D

Acq: 2 Apr 2019 16:06

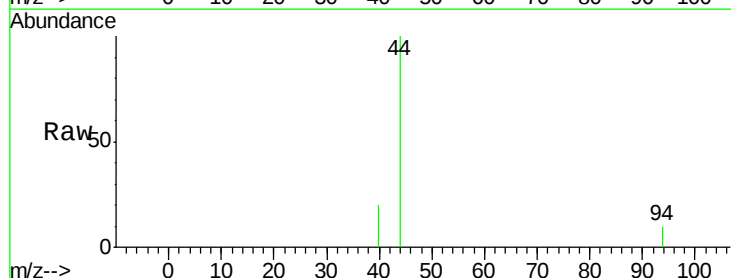
Tgt Ion: 94 Resp: 562

Ion Ratio Lower Upper

94 100

96 0.0 78.3 117.5#

93 0.0 15.6 23.4#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

500

400

300

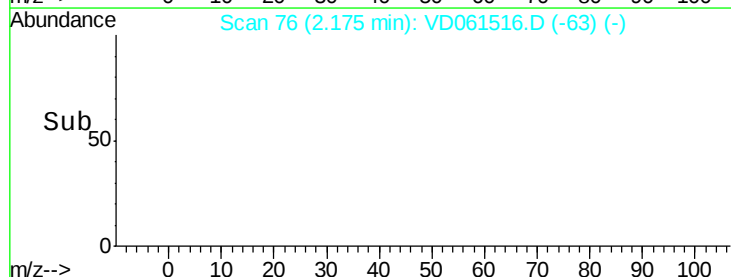
200

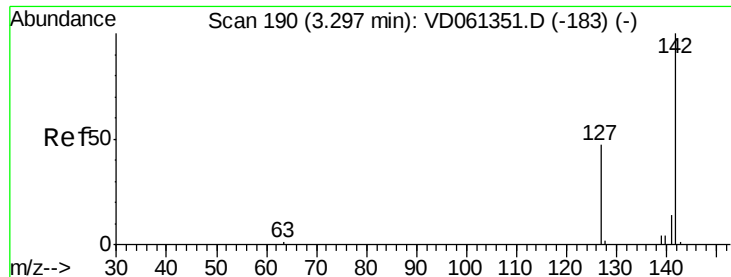
100

0

Time-->

2.14 2.16 2.18 2.20

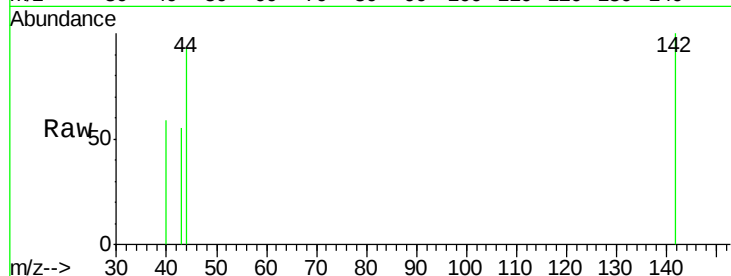




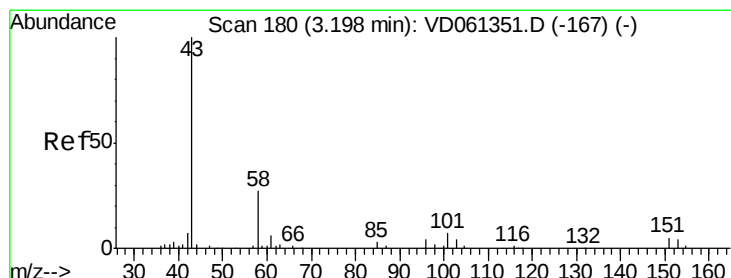
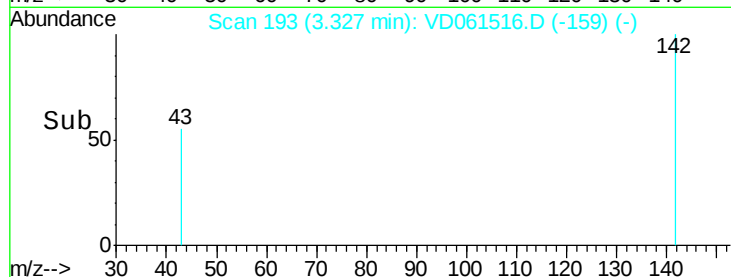
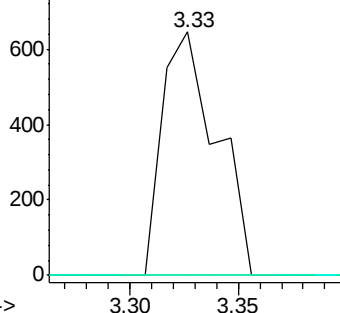
#10
Methvl Iodide
Concen: 3.736 ug/l
RT: 3.33 min Scan# 193
Delta R.T. 0.03 min
Lab File: VD061516.D
Acq: 2 Apr 2019 16:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:142 Resp: 1128
Ion Ratio Lower Upper
142 100
127 0.0 37.7 56.5#
141 0.0 11.5 17.3#

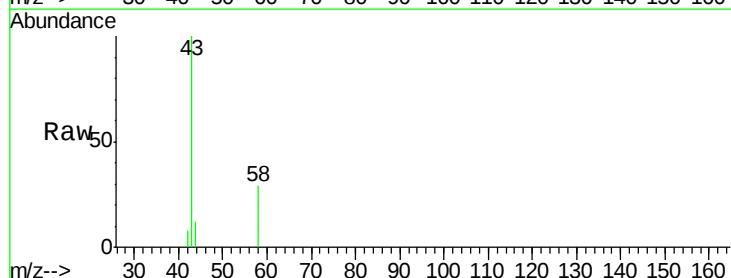


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

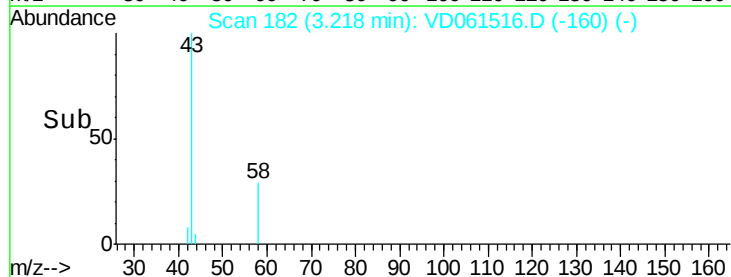
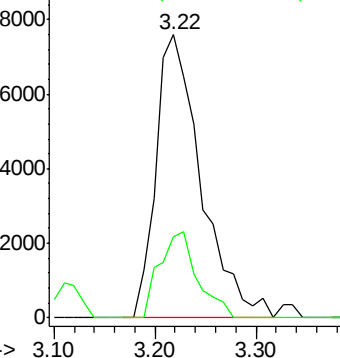


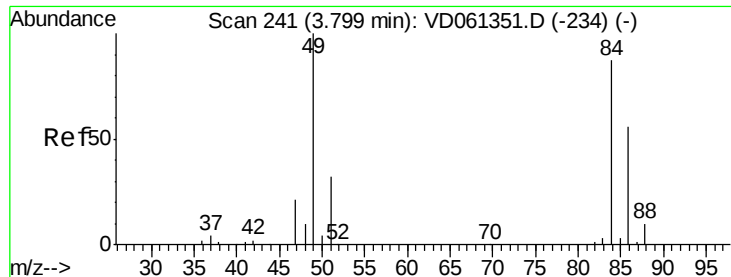
#16
Acetone
Concen: 52.503 ug/l
RT: 3.22 min Scan# 182
Delta R.T. 0.02 min
Lab File: VD061516.D
Acq: 2 Apr 2019 16:06

Tgt Ion: 43 Resp: 23556
Ion Ratio Lower Upper
43 100
58 28.6 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): V
Ion 57.95 (57.65 to 58.65): V

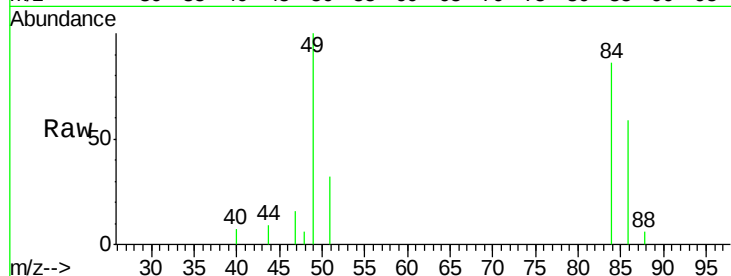




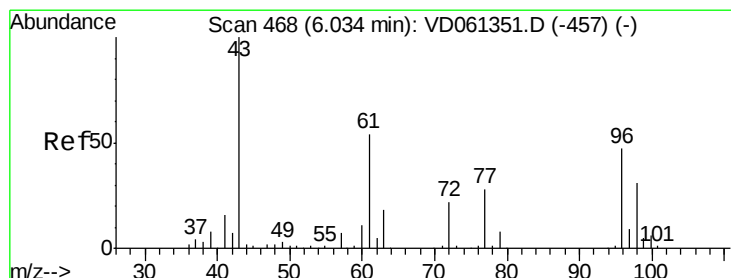
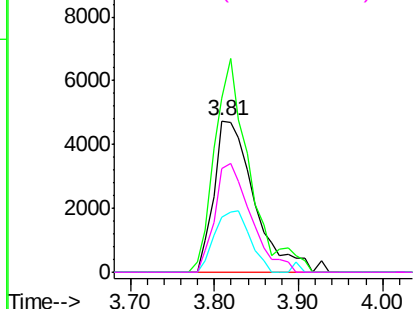
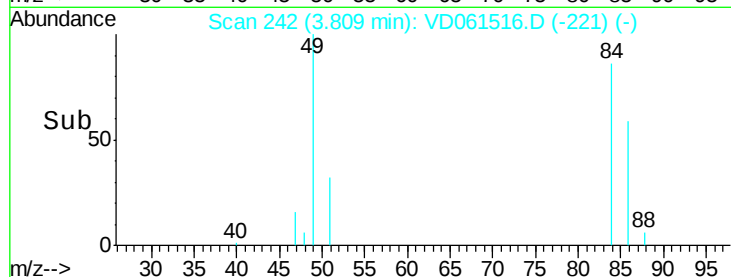
#20
Methylene Chloride
Concen: 4.571 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD061516.D
Acq: 2 Apr 2019 16:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 15872
Ion Ratio Lower Upper
84 100
49 115.6 91.8 137.8
51 36.6 29.8 44.8
86 68.6 51.8 77.6

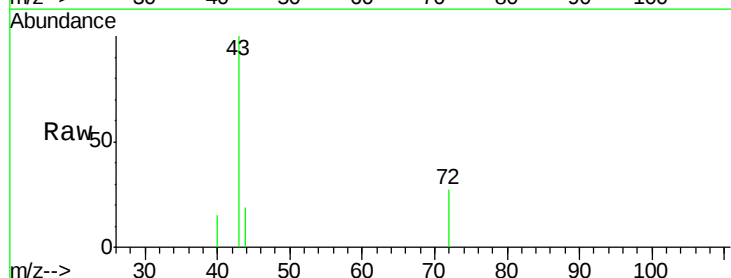


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

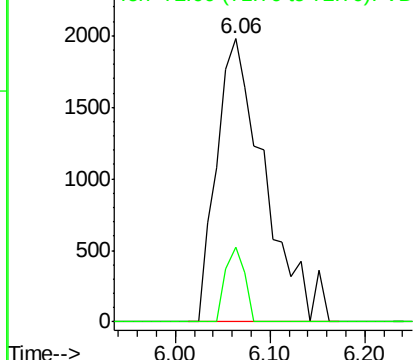
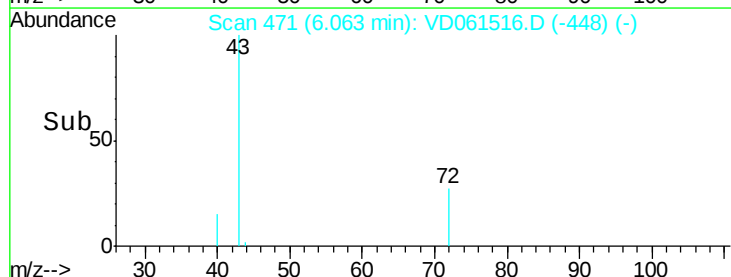


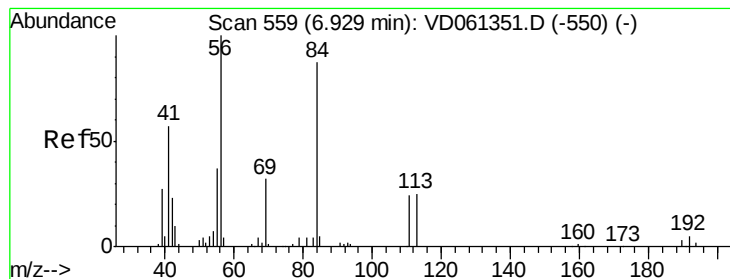
#25
2-Butanone
Concen: 12.375 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.03 min
Lab File: VD061516.D
Acq: 2 Apr 2019 16:06

Tgt Ion: 43 Resp: 6984
Ion Ratio Lower Upper
43 100
72 26.5 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: 1.104 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.10 min

Lab File: VD061516.D

Acq: 2 Apr 2019 16:06

Instrument :

MSVOA_D

ClientSampleId :

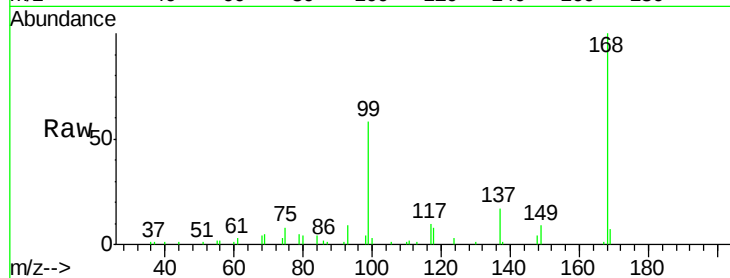
Tot Ion: 56 Resp: 3320

Ion Ratio Lower Upper

56 100

69 243.8 25.7 38.5#

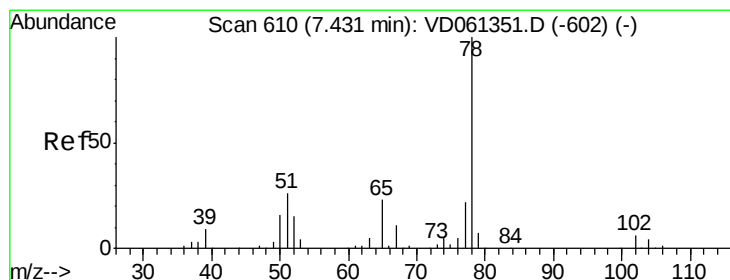
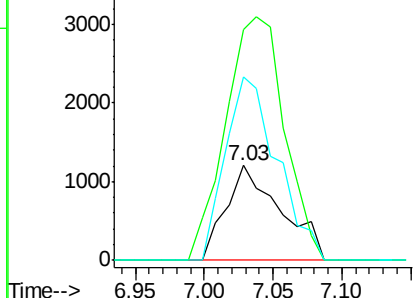
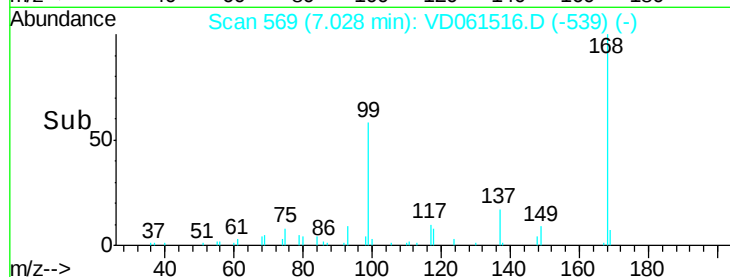
84 194.4 70.6 105.8#



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: 7.44 min Scan# 611

Delta R.T. 0.01 min

Lab File: VD061516.D

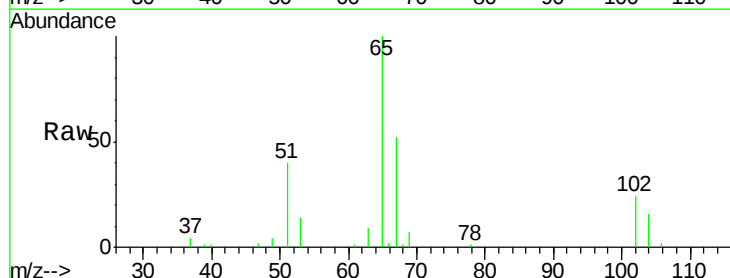
Acq: 2 Apr 2019 16:06

Tgt Ion: 65 Resp: 114133

Ion Ratio Lower Upper

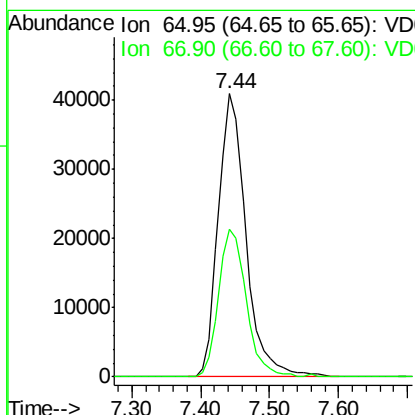
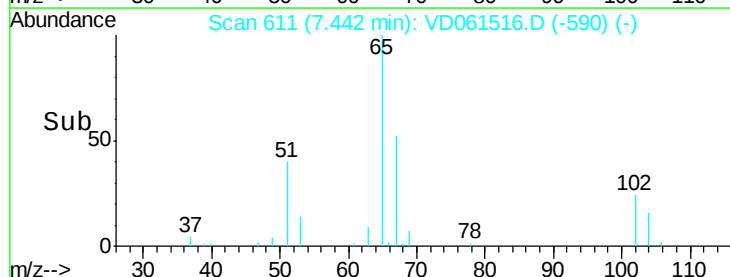
65 100

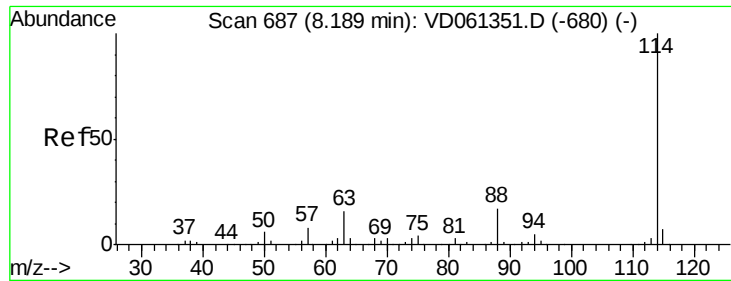
67 52.3 0.0 99.8



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: VD061516.D

Acq: 2 Apr 2019 16:06

Instrument :

MSVOA_D

ClientSampleId :

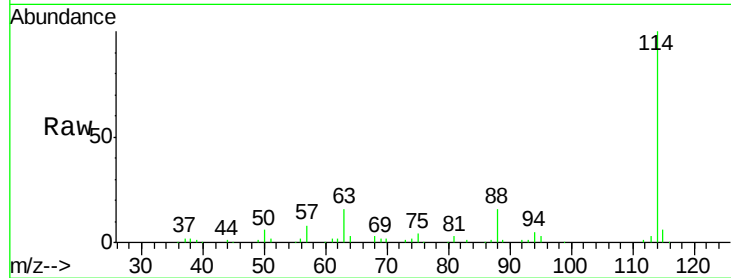
Tot Ion:114 Resp: 367278

Ion Ratio Lower Upper

114 100

63 15.8 0.0 31.6

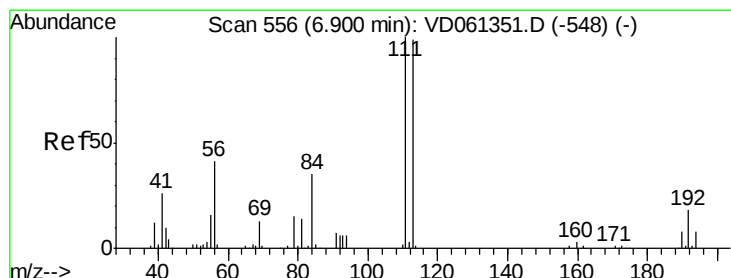
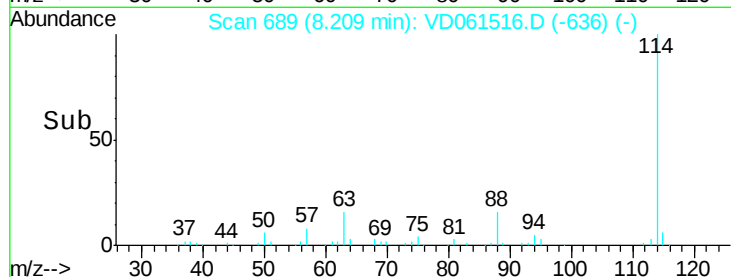
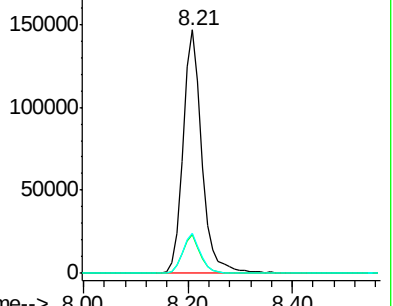
88 16.4 0.0 33.4



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: VD061516.D

Acq: 2 Apr 2019 16:06

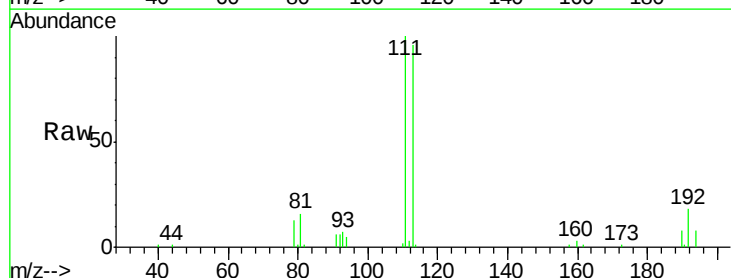
Tgt Ion:113 Resp: 145546

Ion Ratio Lower Upper

113 100

111 104.3 81.0 121.6

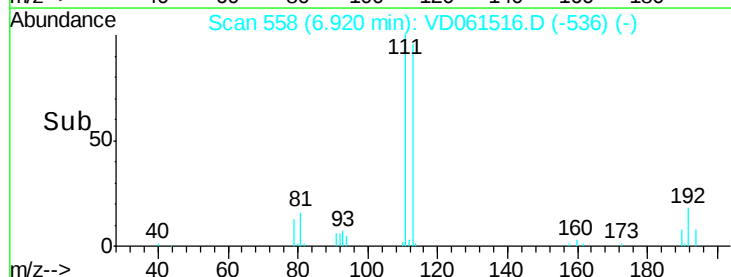
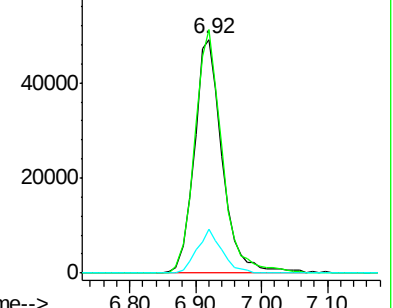
192 18.6 14.4 21.6

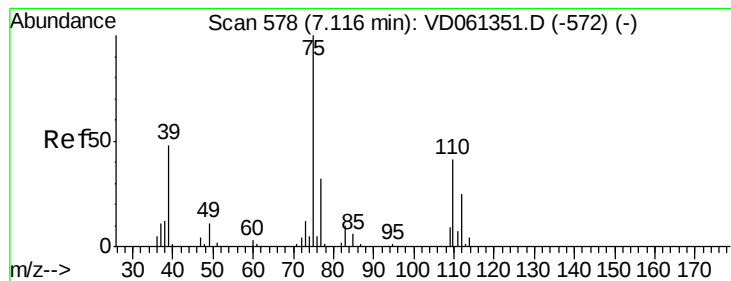


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 4.552 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.09 min

Lab File: VD061516.D

Acq: 2 Apr 2019 16:06

Instrument :

MSVOA_D

ClientSampleId :

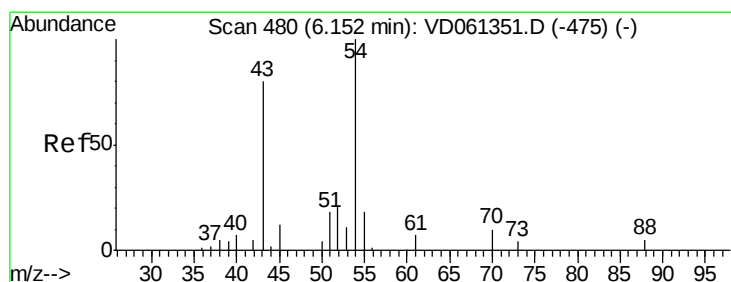
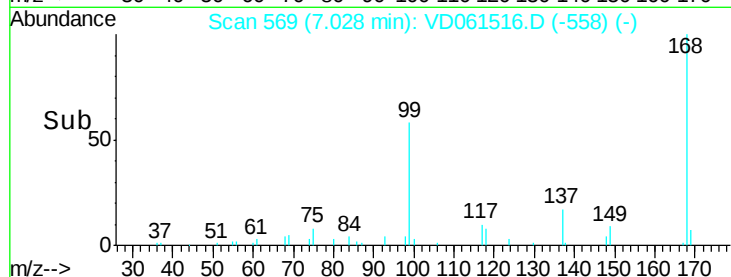
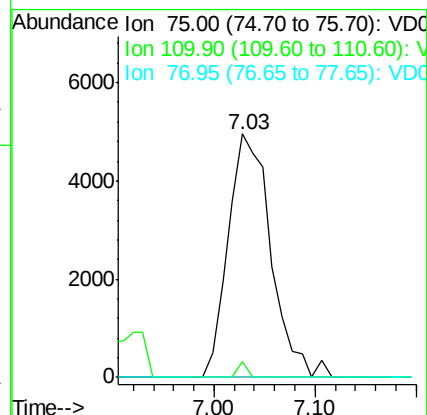
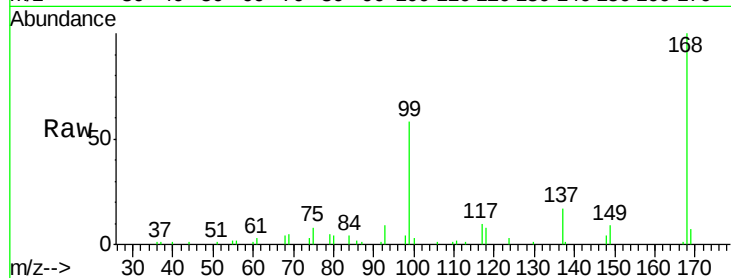
Tot Ion: 75 Resp: 14592

Ion Ratio Lower Upper

75 100

110 6.5 20.4 61.3#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 5.094 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.09 min

Lab File: VD061516.D

Acq: 2 Apr 2019 16:06

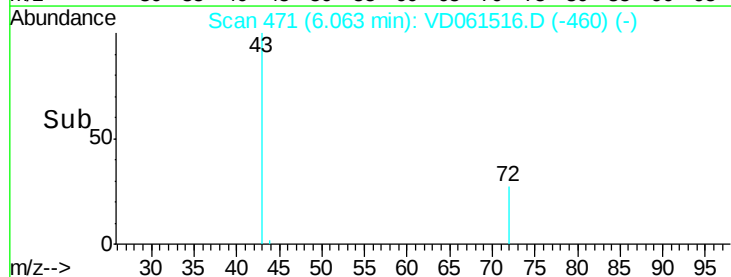
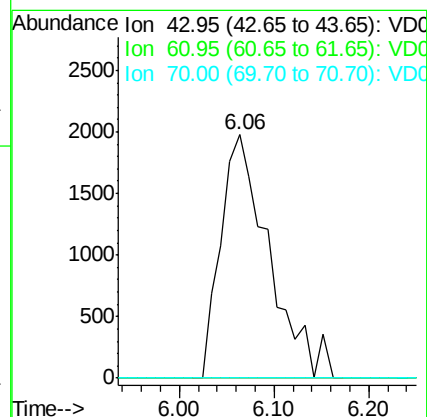
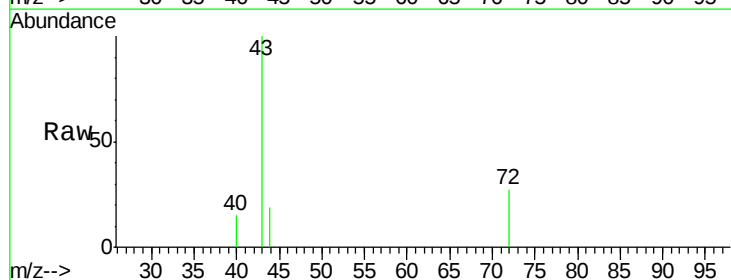
Tgt Ion: 43 Resp: 6984

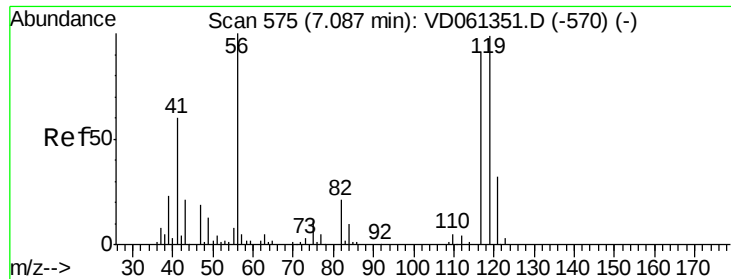
Ion Ratio Lower Upper

43 100

61 0.0 13.8 20.8#

70 0.0 7.8 11.8#

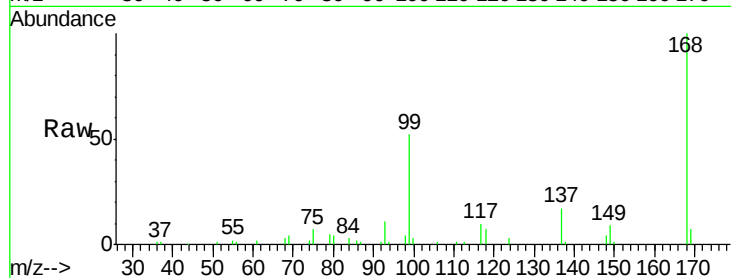




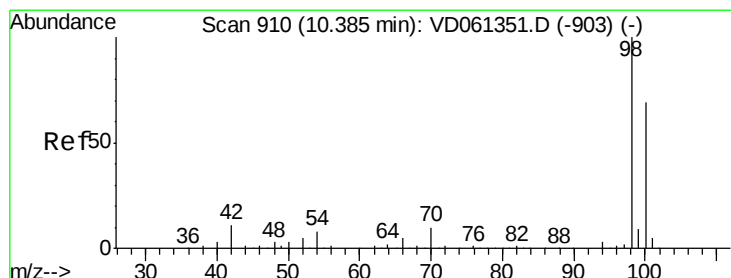
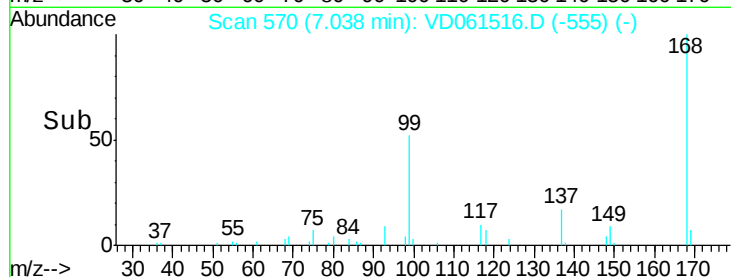
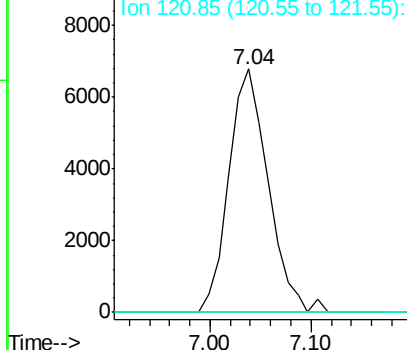
#38
Carbon Tetrachloride
Concen: 4.998 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.05 min
Lab File: VD061516.D
Acq: 2 Apr 2019 16:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 18411
Ion Ratio Lower Upper
117 100
119 0.0 80.1 120.1#
121 0.0 25.6 38.4#

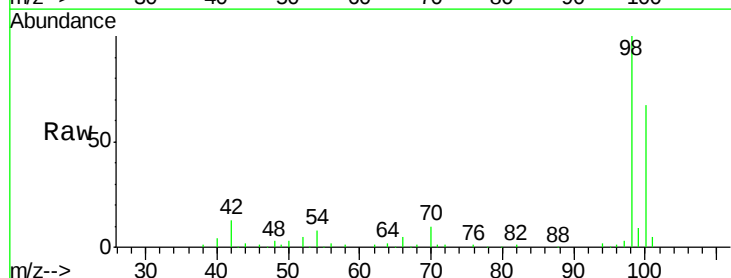


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

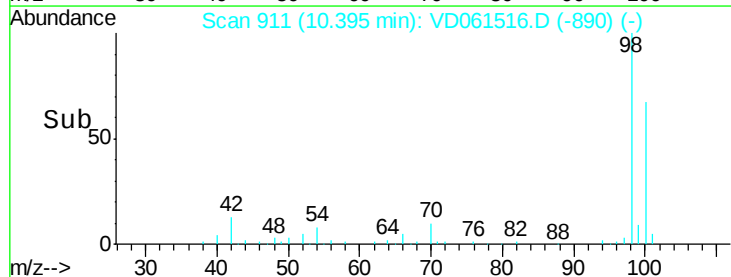
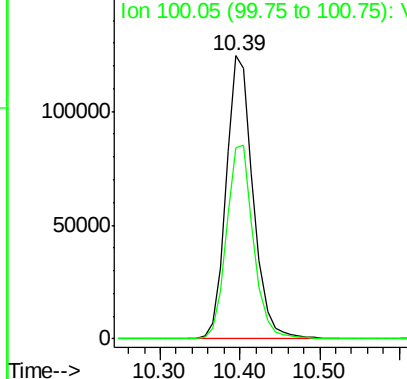


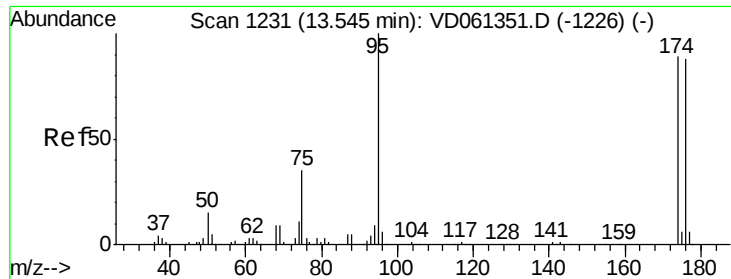
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.39 min Scan# 911
Delta R.T. 0.01 min
Lab File: VD061516.D
Acq: 2 Apr 2019 16:06

Tgt Ion: 98 Resp: 293661
Ion Ratio Lower Upper
98 100
100 67.4 56.2 84.2



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

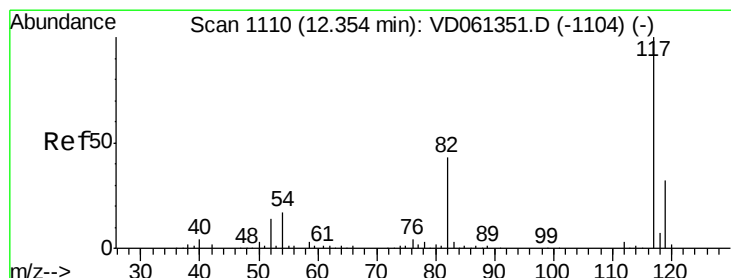
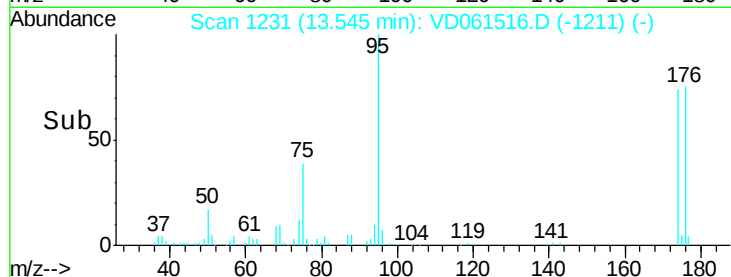
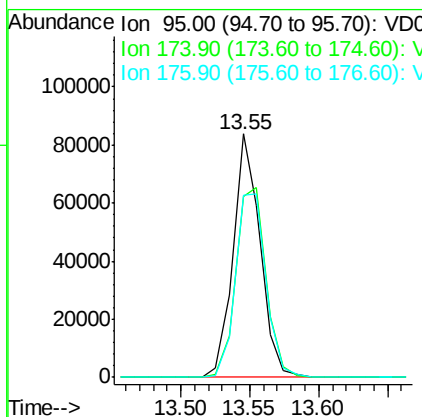
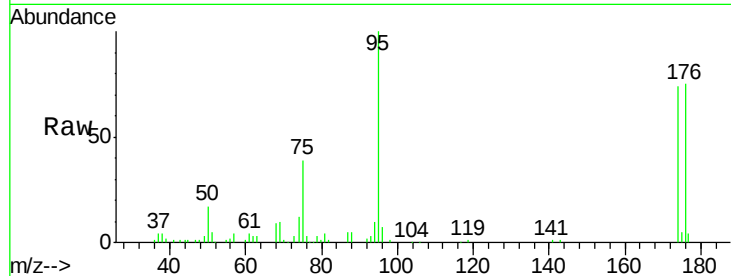




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VD061516.D
Acq: 2 Apr 2019 16:06

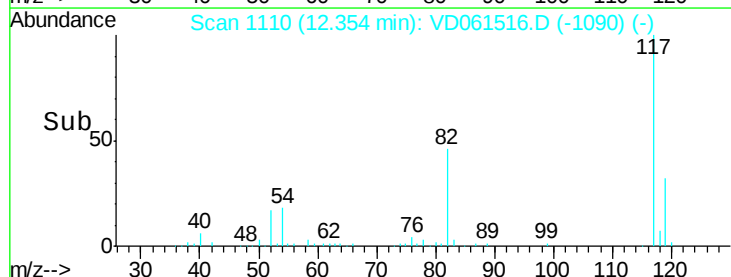
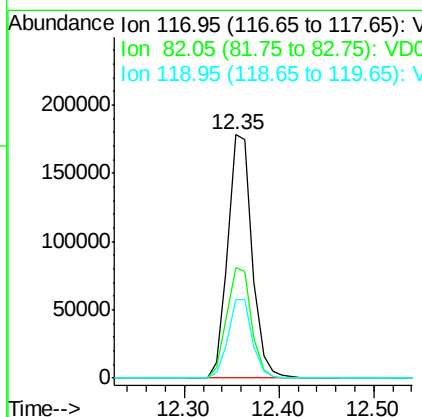
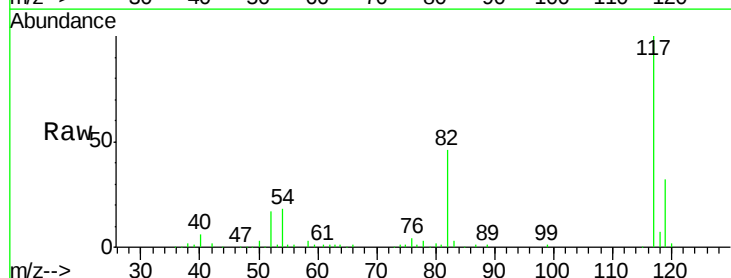
Instrument :
MSVOA_D
ClientSampleId :

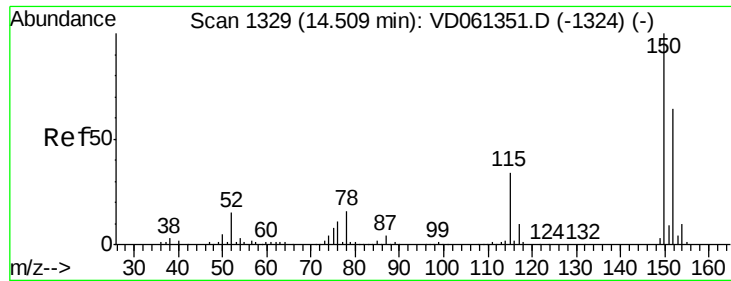
Tot Ion: 95 Resp: 113928
Ion Ratio Lower Upper
95 100
174 74.2 0.0 178.0
176 74.7 0.0 175.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VD061516.D
Acq: 2 Apr 2019 16:06

Tgt Ion: 117 Resp: 316759
Ion Ratio Lower Upper
117 100
82 45.5 34.4 51.6
119 32.3 25.8 38.6



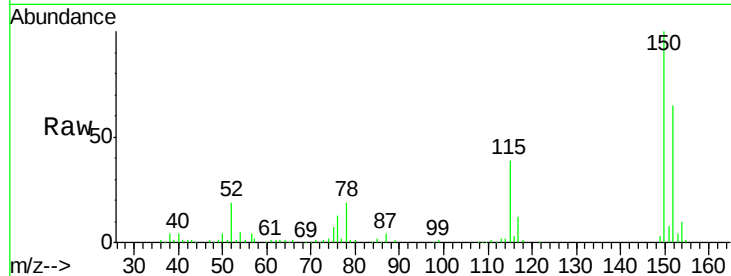


#72

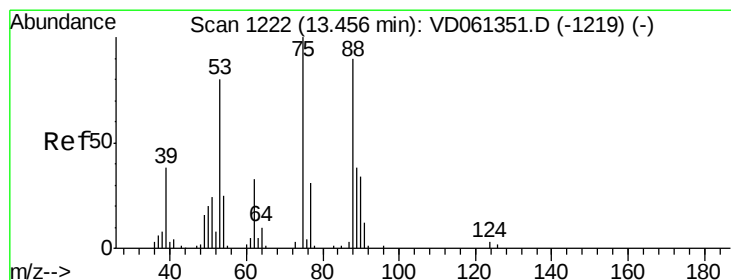
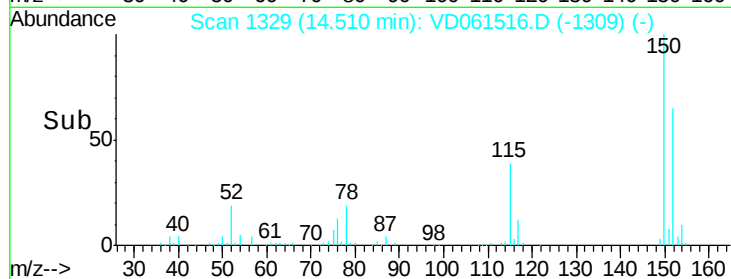
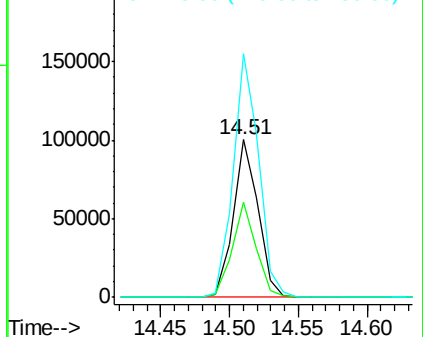
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. 0.00 min
Lab File: VD061516.D
Acq: 2 Apr 2019 16:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.2	26.9	80.6
150	154.3	0.0	318.0



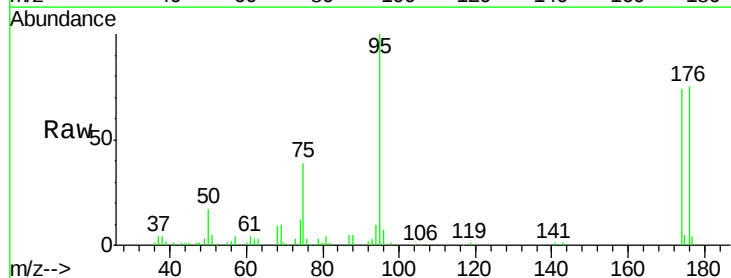
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



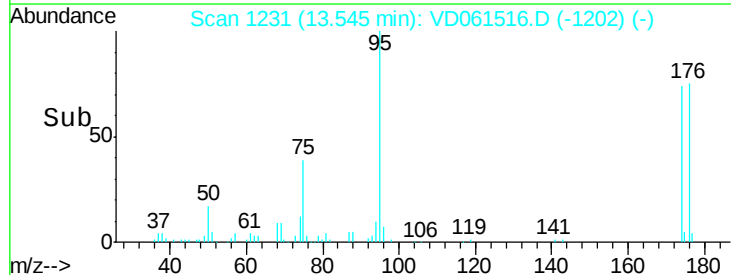
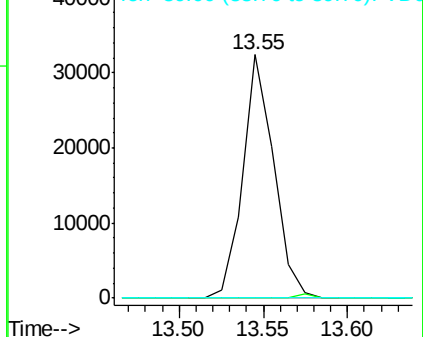
#81

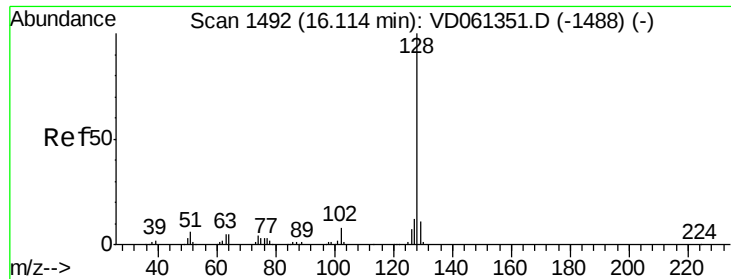
trans-1,4-Dichloro-2-butene
Concen: 74.434 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. 0.09 min
Lab File: VD061516.D
Acq: 2 Apr 2019 16:06

Tgt 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

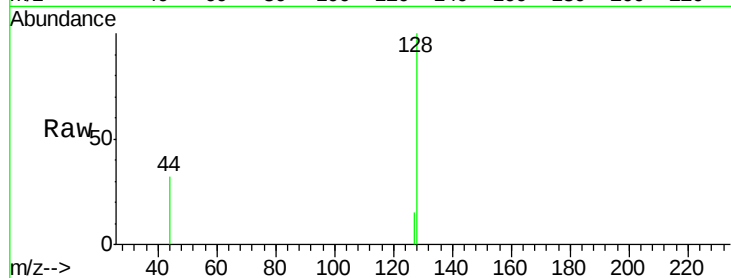




#95
Naphthalene
Concen: 1.362 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VD061516.D
Acq: 2 Apr 2019 16:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 3404
Ion Ratio Lower Upper
128 100
127 14.5 9.9 14.9
129 0.0 8.9 13.3#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

