

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040419\
 Data File : VD061582.D
 Acq On : 4 Apr 2019 16:44
 Operator : VA/AP
 Sample : K2199-03RE
 Misc : 5.05g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

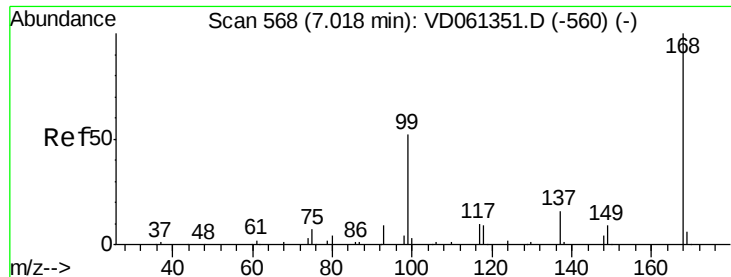
Quant Time: Apr 05 01:11:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	499176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	729445	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	168147	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	190074	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	175741	41.21	ug/l	0.00
Spiked Amount			Recovery	=	82.42%	
35) Dibromofluoromethane	6.91	113	278991	50.05	ug/l	0.00
Spiked Amount			Recovery	=	100.10%	
50) Toluene-d8	10.39	98	80325	6.01	ug/l	0.00
Spiked Amount			Recovery	=	12.02%	
62) 4-Bromofluorobenzene	13.54	95	180821	35.27	ug/l	0.00
Spiked Amount			Recovery	=	70.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.32	142	190	3.485	ug/l #	38
11) Tert butyl alcohol	3.97	59	3489	13.138	ug/l #	76
16) Acetone	3.20	43	11125	10.149	ug/l #	76
18) Methyl Acetate	3.63	43	4125	1.790	ug/l #	55
20) Methylene Chloride	3.81	84	32902	3.575	ug/l	91
29) Tetrahydrofuran	6.43	42	1028	1.538	ug/l #	46
31) Cyclohexane	7.02	56	8453	1.151	ug/l #	1
36) 1,1-Dichloropropene	7.02	75	35377	5.557	ug/l #	45
38) Carbon Tetrachloride	7.03	117	47856	6.542	ug/l #	14
69) o-Xylene	13.04	106	2946	1.528	ug/l	90
81) trans-1,4-Dichloro-2-buten	13.54	75	63778	76.184	ug/l #	18
95) Naphthalene	16.11	128	5164	1.365	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.01 min

Lab File: VD061582.D

Acq: 4 Apr 2019 16:44

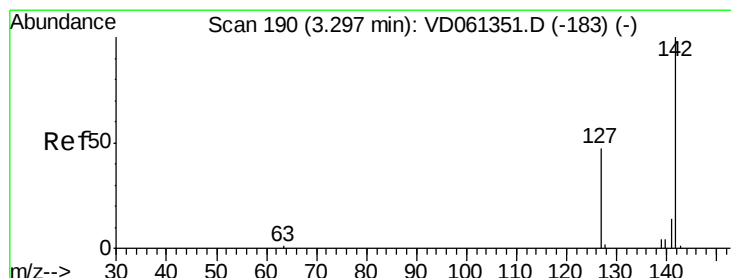
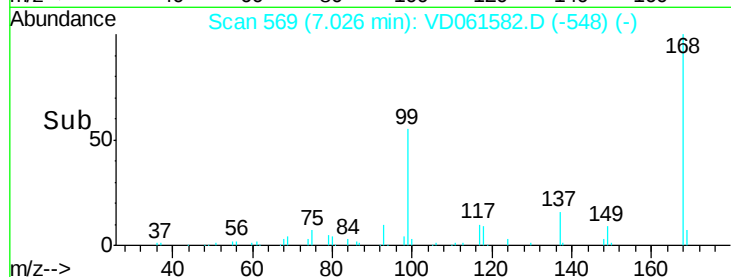
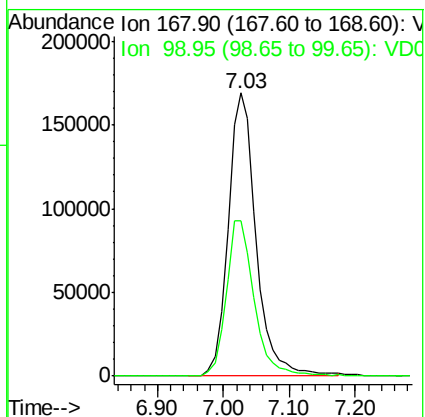
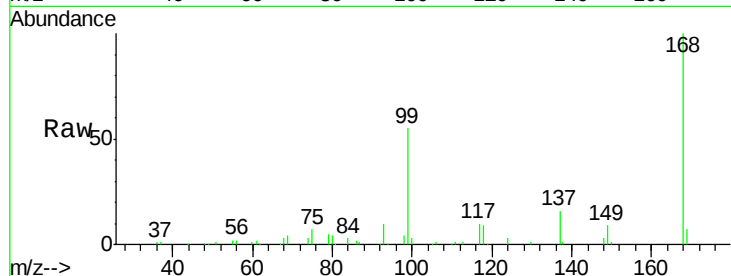
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 499176

Ion Ratio Lower Upper

168 100

99 55.0 43.1 64.7



#10

Methyl Iodide

Concen: 3.485 ug/l

RT: 3.32 min Scan# 193

Delta R.T. 0.03 min

Lab File: VD061582.D

Acq: 4 Apr 2019 16:44

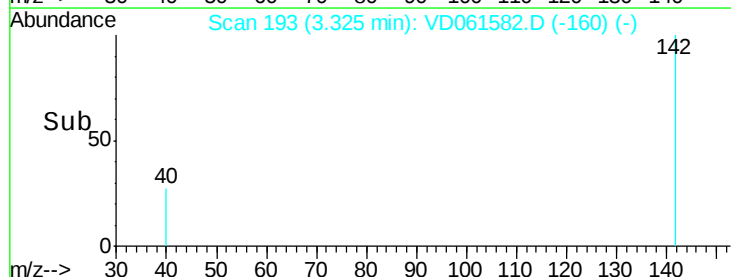
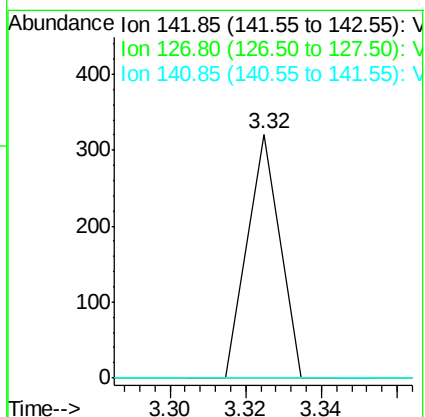
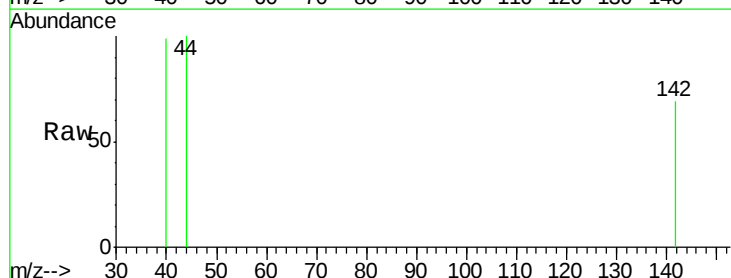
Tgt Ion:142 Resp: 190

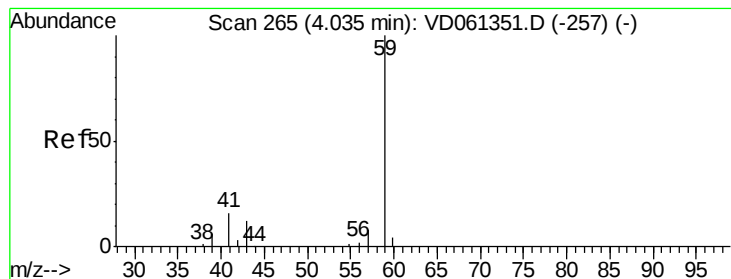
Ion Ratio Lower Upper

142 100

127 0.0 37.7 56.5#

141 0.0 11.5 17.3#



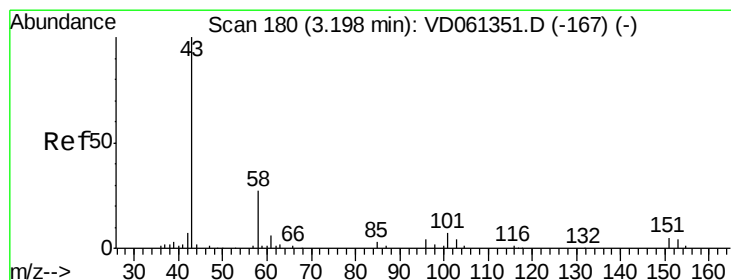
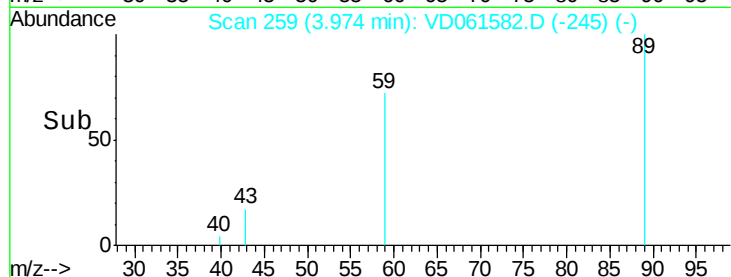
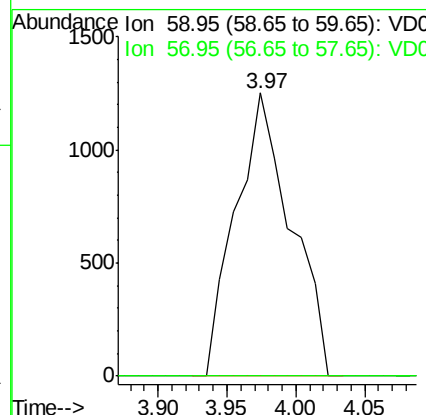
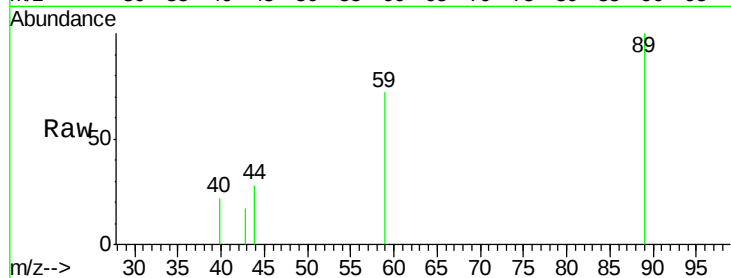


#11

Tert butyl alcohol
 Concen: 13.138 ug/l
 RT: 3.97 min Scan# 259
 Delta R.T. -0.06 min
 Lab File: VD061582.D
 Acq: 4 Apr 2019 16:44

Instrument :
 MSVOA_D
 ClientSampleId :

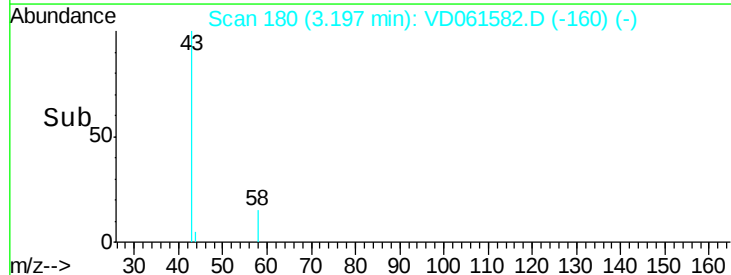
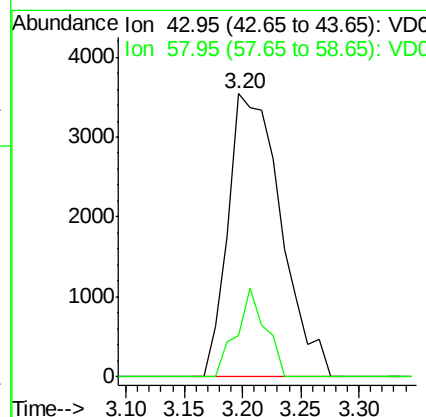
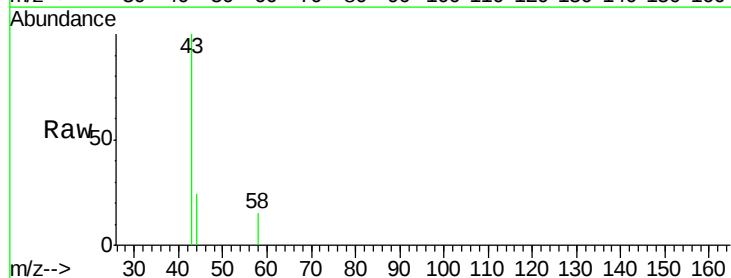
Tot Ion: 59 Resp: 3489
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.7 10.1#

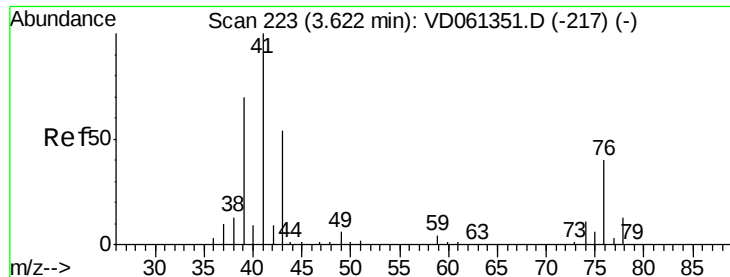


#16

Acetone
 Concen: 10.149 ug/l
 RT: 3.20 min Scan# 180
 Delta R.T. -0.00 min
 Lab File: VD061582.D
 Acq: 4 Apr 2019 16:44

Tgt Ion: 43 Resp: 11125
 Ion Ratio Lower Upper
 43 100
 58 14.7 21.5 32.3#

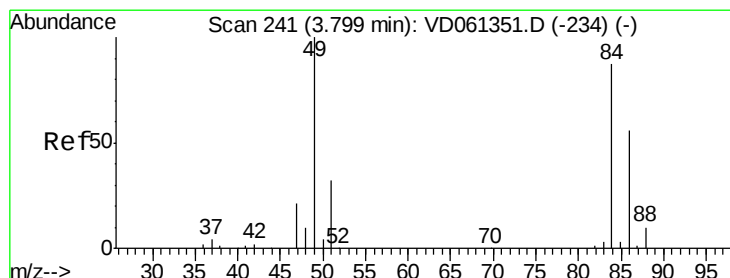
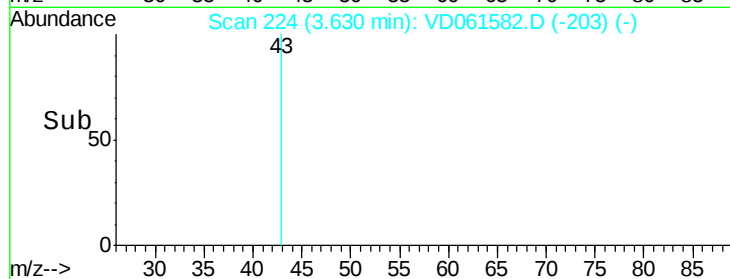
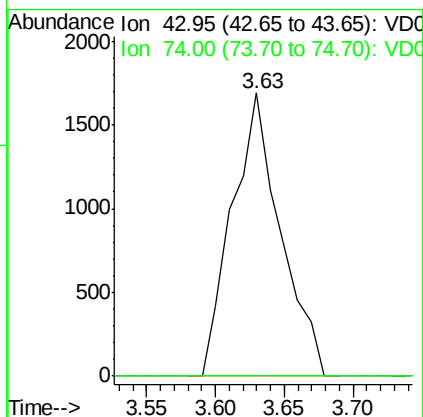
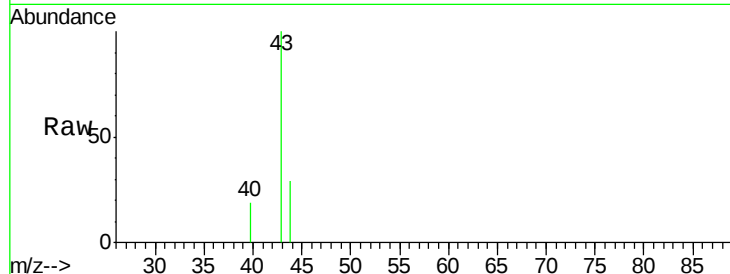




#18
Methyl Acetate
Concen: 1.790 ug/l
RT: 3.63 min Scan# 224
Delta R.T. 0.01 min
Lab File: VD061582.D
Acq: 4 Apr 2019 16:44

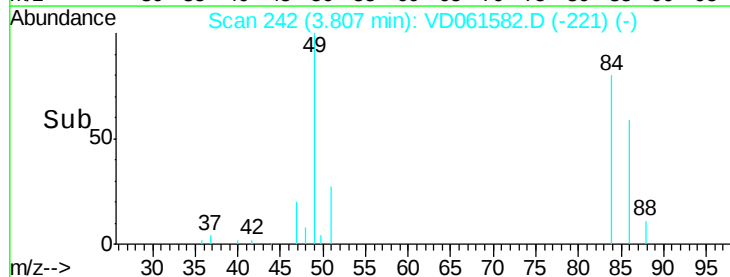
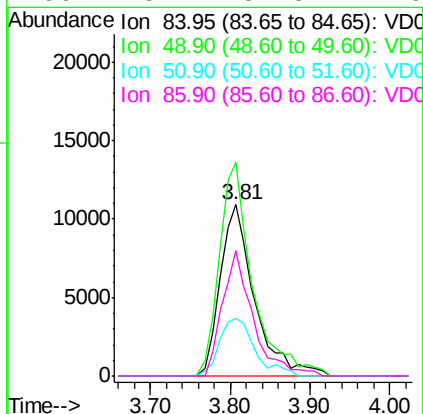
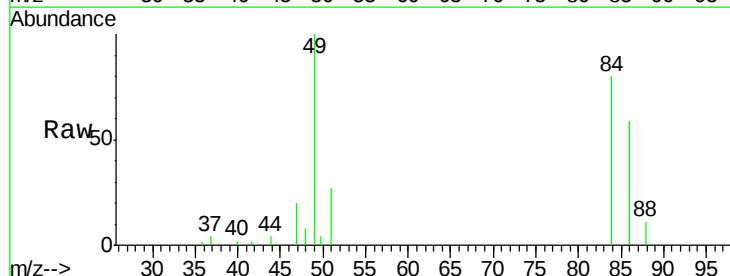
Instrument :
MSVOA_D
ClientSampleId :

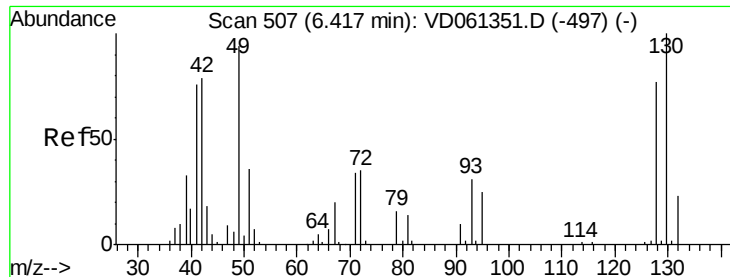
Tot Ion: 43 Resp: 4125
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: 3.575 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD061582.D
Acq: 4 Apr 2019 16:44

Tgt Ion: 84 Resp: 32902
Ion Ratio Lower Upper
84 100
49 124.7 91.8 137.8
51 33.8 29.8 44.8
86 73.2 51.8 77.6





#29

Tetrahydrofuran

Concen: 1.538 ug/l

RT: 6.43 min Scan# 508

Delta R.T. 0.01 min

Lab File: VD061582.D

Acq: 4 Apr 2019 16:44

Instrument :

MSVOA_D

ClientSampleId :

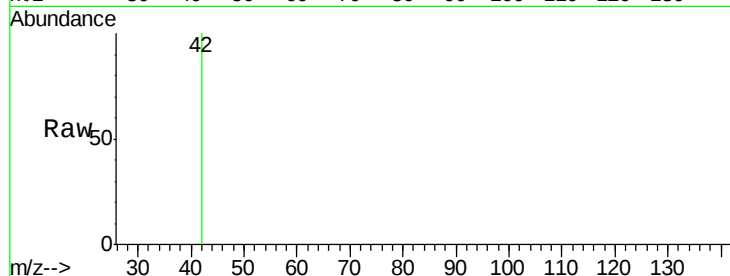
Tot Ion: 42 Resp: 1028

Ion Ratio Lower Upper

42 100

72 20.7 37.4 56.0#

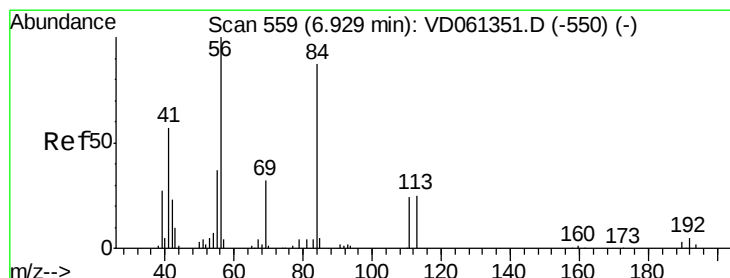
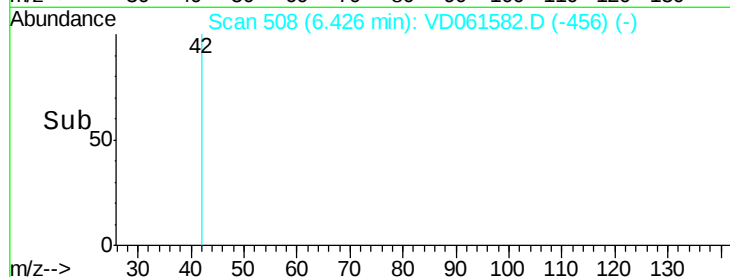
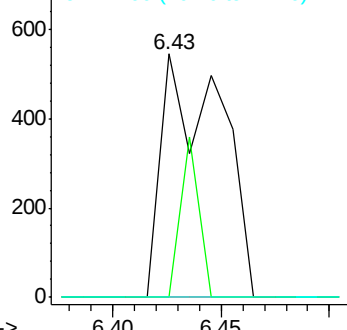
71 0.0 36.7 55.1#



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: 1.151 ug/l

RT: 7.02 min Scan# 568

Delta R.T. 0.09 min

Lab File: VD061582.D

Acq: 4 Apr 2019 16:44

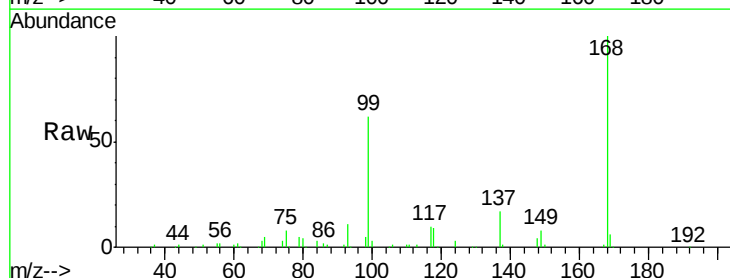
Tgt Ion: 56 Resp: 8453

Ion Ratio Lower Upper

56 100

69 241.6 25.7 38.5#

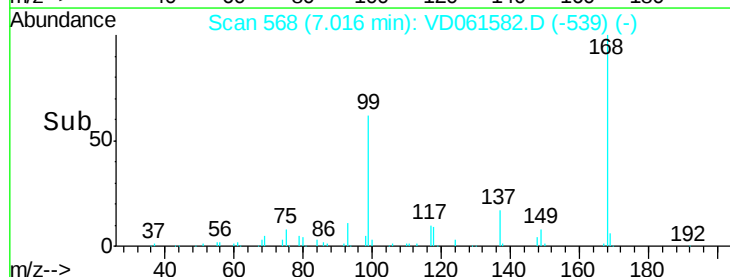
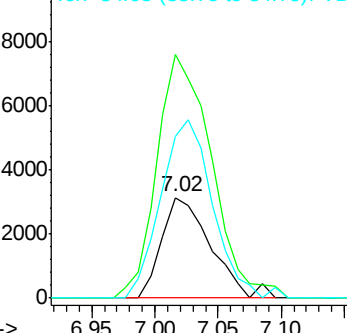
84 160.5 70.6 105.8#

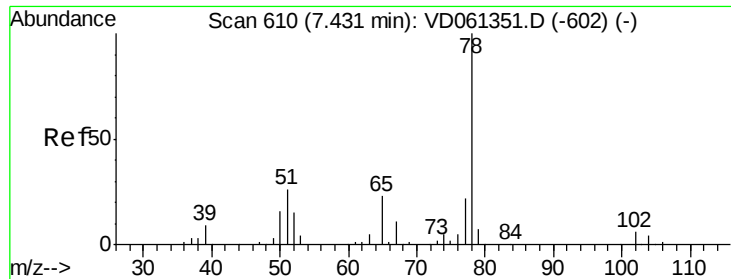


Abundance Ion 55.95 (55.65 to 56.65): VDC

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: 7.43 min Scan# 610

Delta R.T. -0.00 min

Lab File: VD061582.D

Acq: 4 Apr 2019 16:44

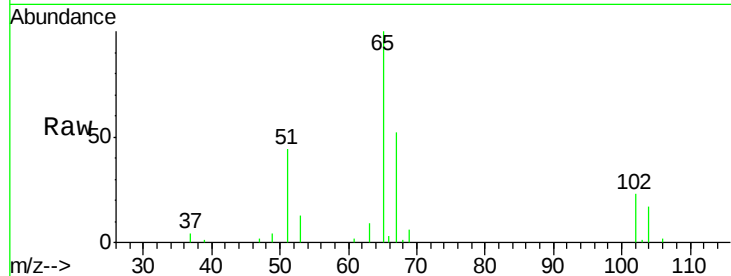
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 65 Resp: 175741

Ion Ratio Lower Upper

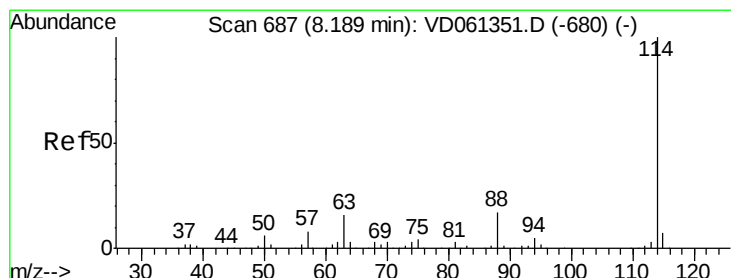
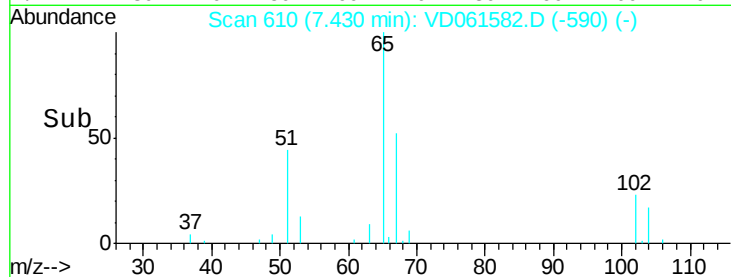
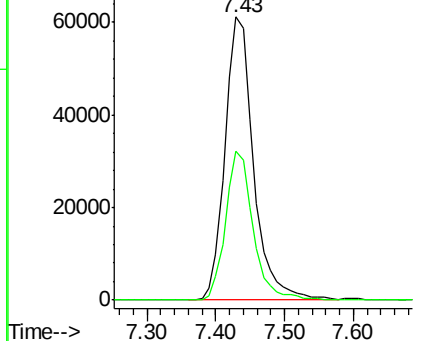
65 100

67 52.5 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: 8.20 min Scan# 688

Delta R.T. 0.01 min

Lab File: VD061582.D

Acq: 4 Apr 2019 16:44

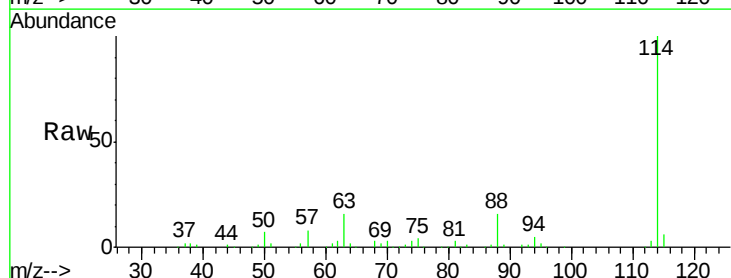
Tgt Ion:114 Resp: 729445

Ion Ratio Lower Upper

114 100

63 15.7 0.0 31.6

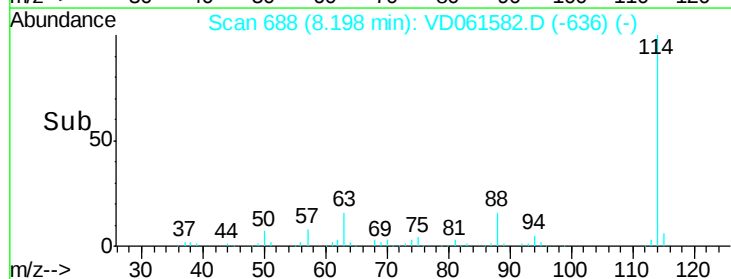
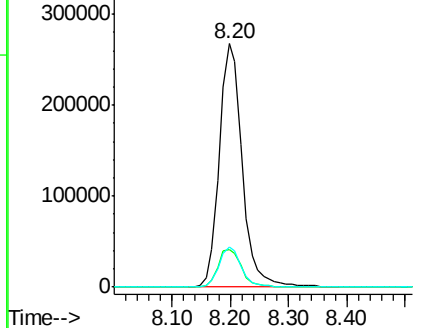
88 16.3 0.0 33.4

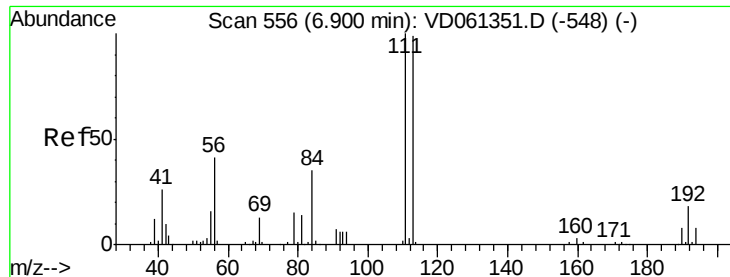


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

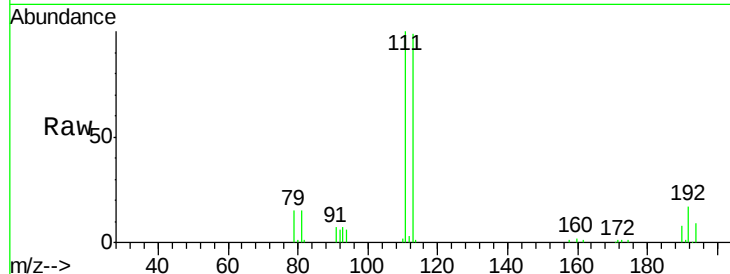




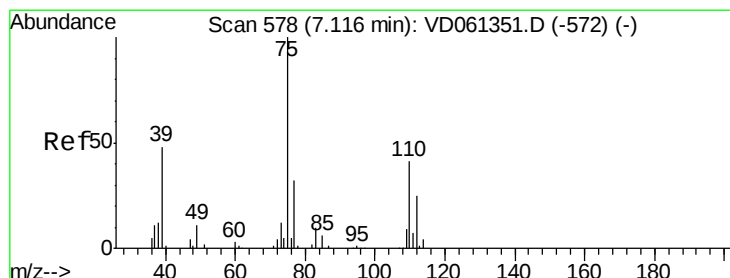
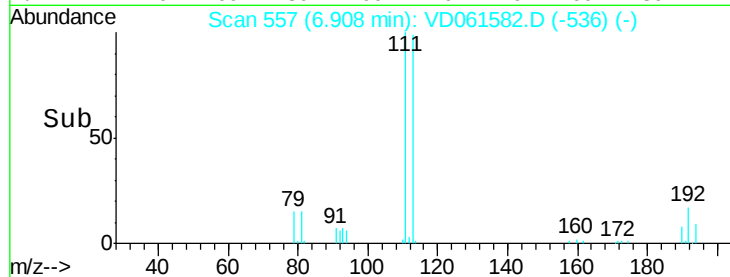
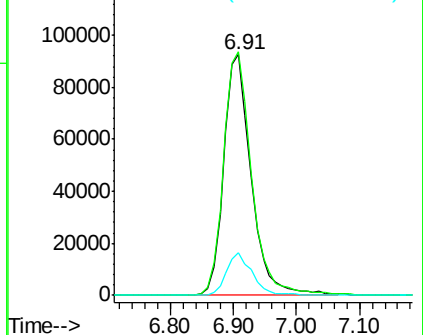
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. 0.01 min
 Lab File: VD061582.D
 Acq: 4 Apr 2019 16:44

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.0	121.6
192	17.6	14.4	21.6

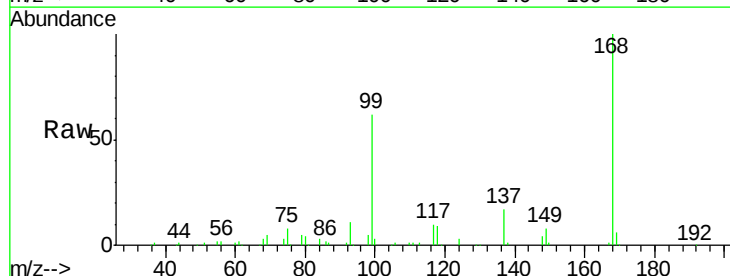


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

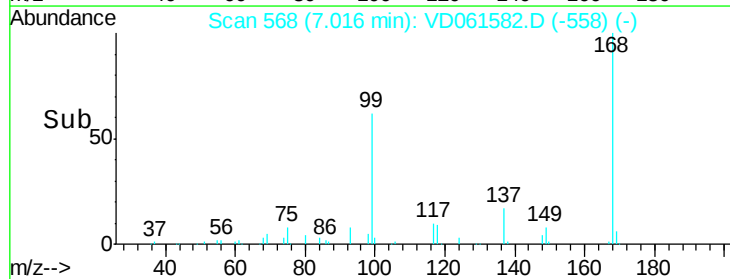
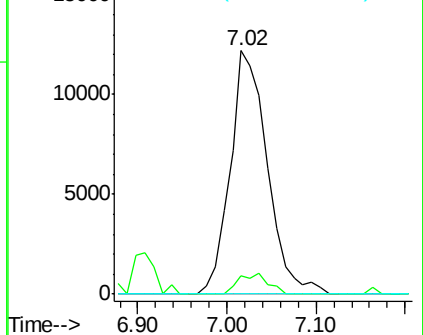


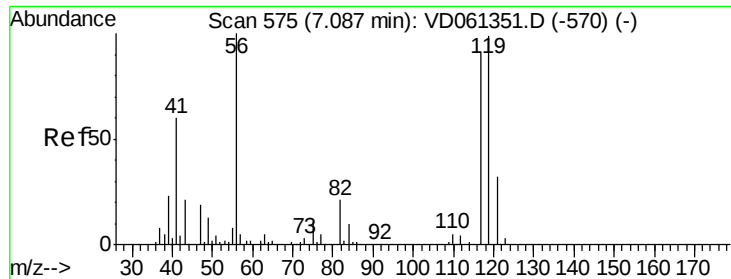
#36
 1,1-Dichloropropene
 Concen: 5.557 ug/l
 RT: 7.02 min Scan# 568
 Delta R.T. -0.10 min
 Lab File: VD061582.D
 Acq: 4 Apr 2019 16:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.5	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

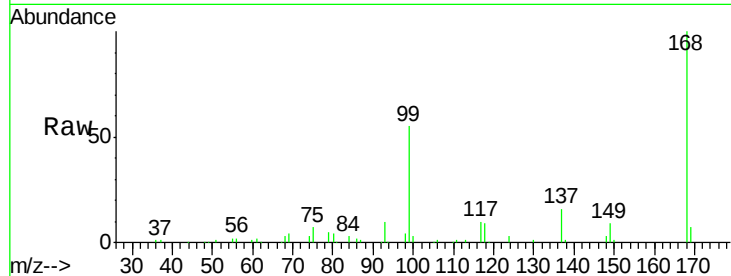




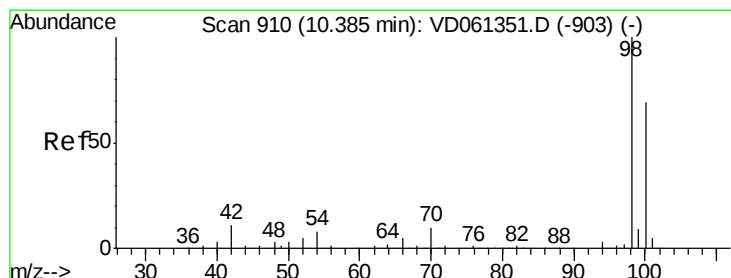
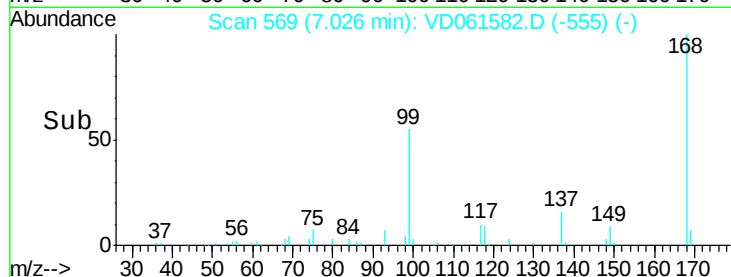
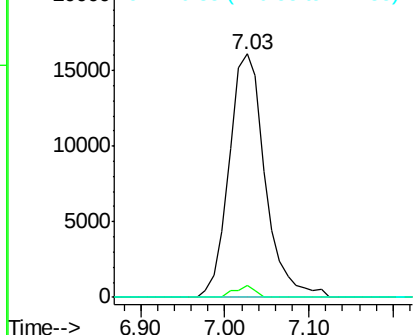
#38
Carbon Tetrachloride
Concen: 6.542 ug/l
RT: 7.03 min Scan# 569
Delta R.T. -0.06 min
Lab File: VD061582.D
Acq: 4 Apr 2019 16:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 47856
Ion Ratio Lower Upper
117 100
119 4.7 80.1 120.1#
121 0.0 25.6 38.4#

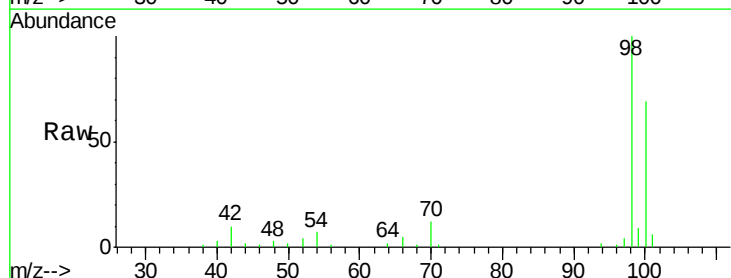


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

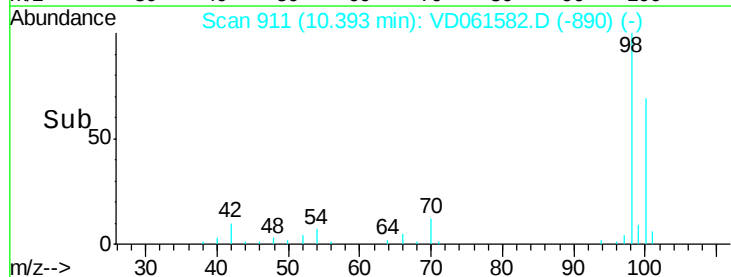
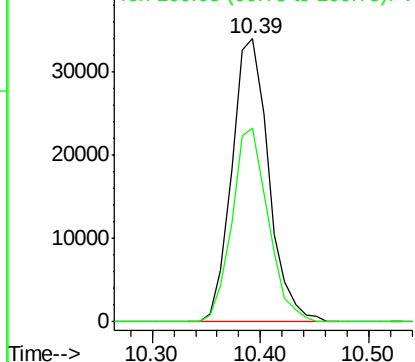


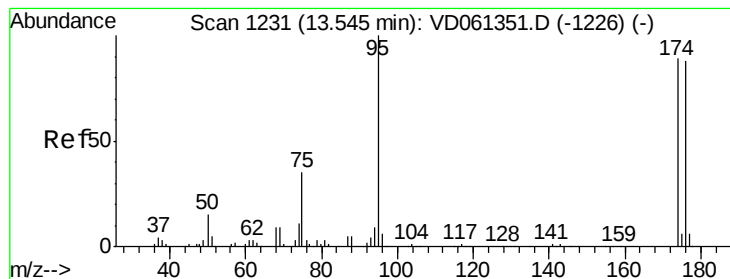
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.39 min Scan# 911
Delta R.T. 0.01 min
Lab File: VD061582.D
Acq: 4 Apr 2019 16:44

Tgt Ion: 98 Resp: 80325
Ion Ratio Lower Upper
98 100
100 68.5 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: 13.54 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VD061582.D

Acq: 4 Apr 2019 16:44

Instrument :

MSVOA_D

ClientSampleId :

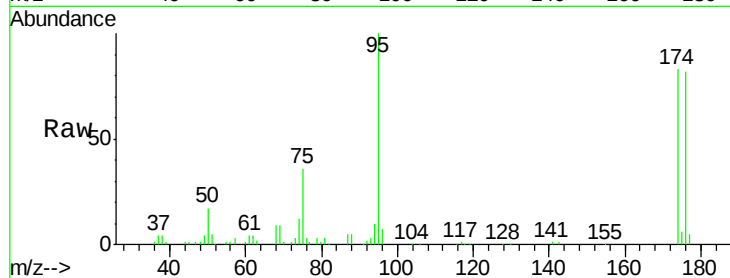
Tot Ion: 95 Resp: 180821

Ion Ratio Lower Upper

95 100

174 82.8 0.0 178.0

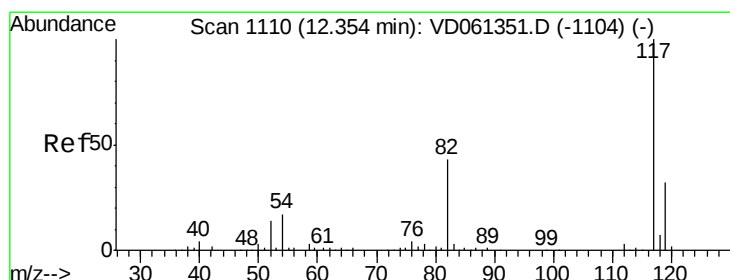
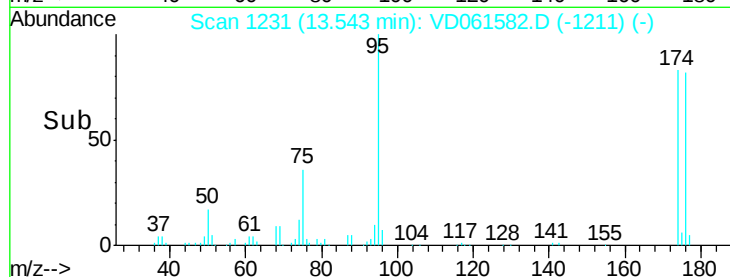
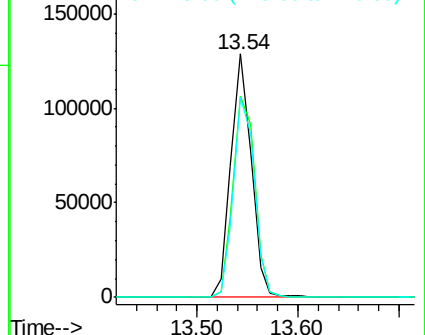
176 82.1 0.0 175.0



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: 12.35 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD061582.D

Acq: 4 Apr 2019 16:44

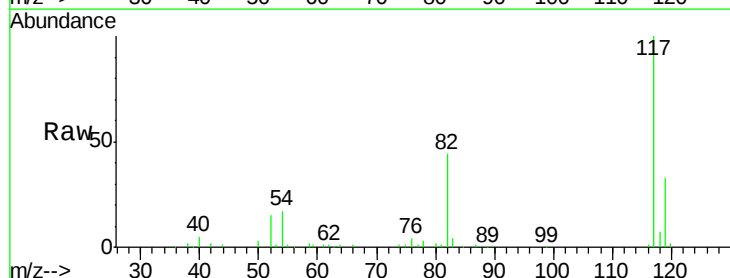
Tgt Ion: 117 Resp: 168147

Ion Ratio Lower Upper

117 100

82 44.1 34.4 51.6

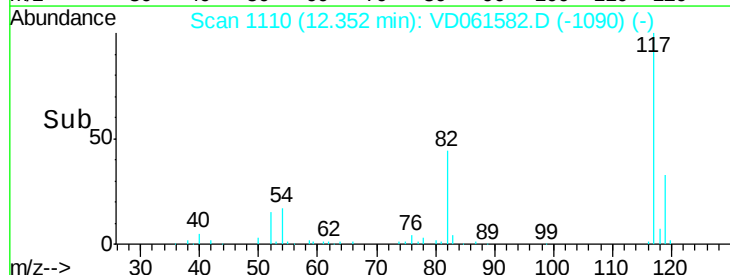
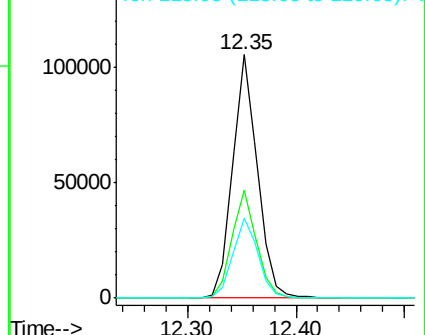
119 32.6 25.8 38.6

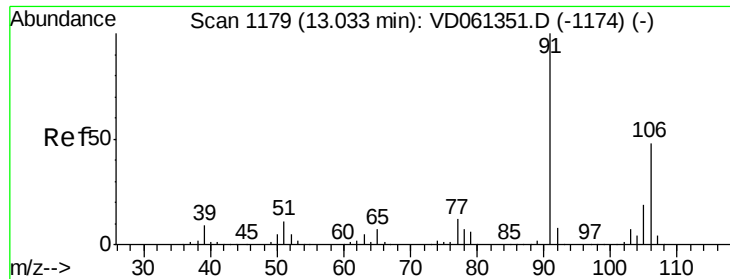


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

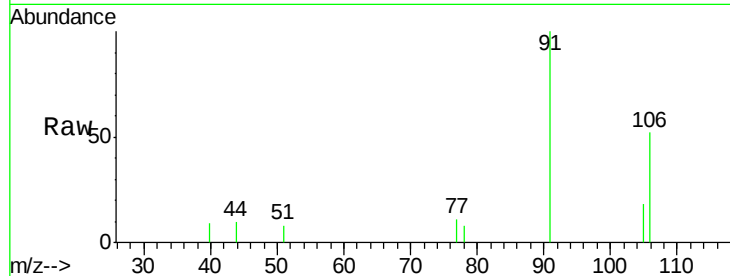




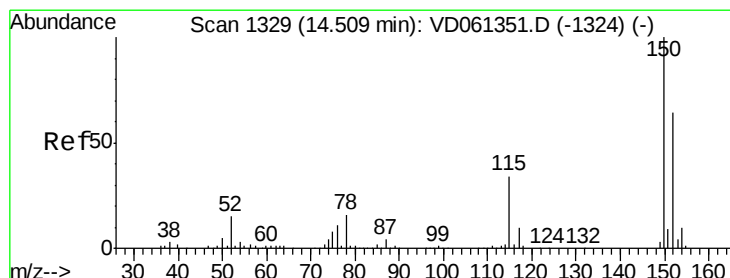
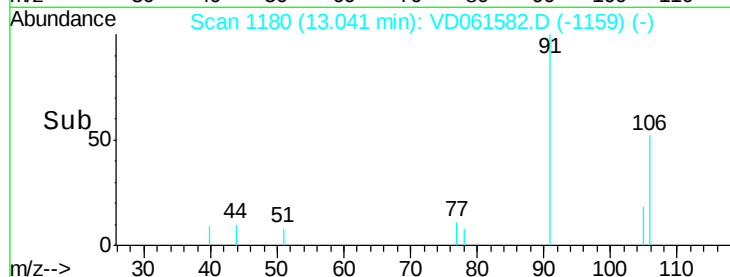
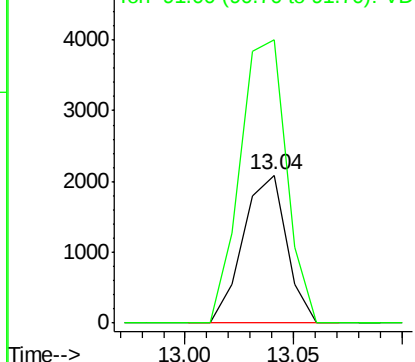
#69
o-Xylene
Concen: 1.528 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VD061582.D
Acq: 4 Apr 2019 16:44

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 2946
Ion Ratio Lower Upper
106 100
91 191.7 103.8 311.3

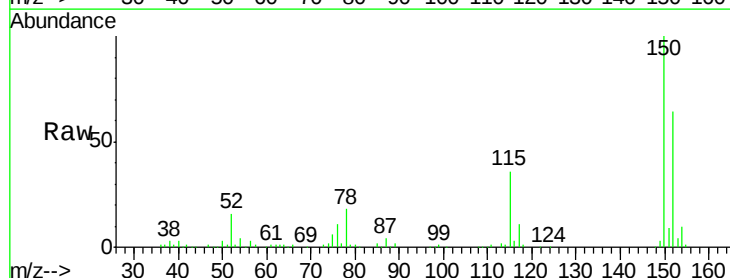


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

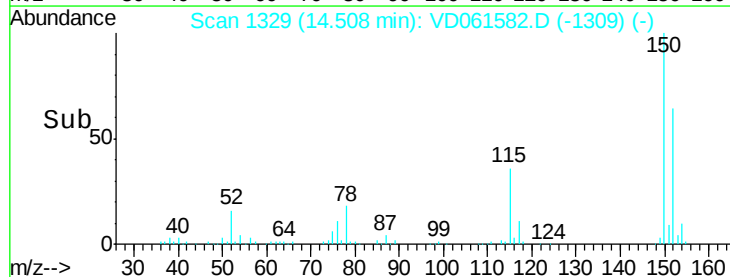
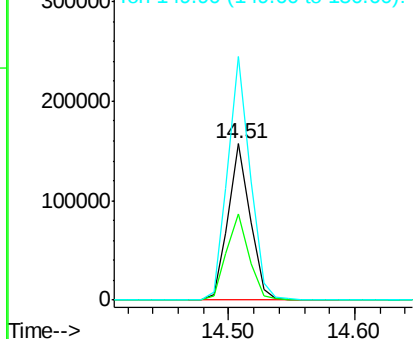


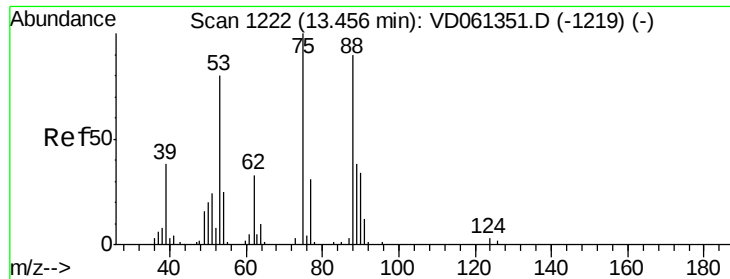
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VD061582.D
Acq: 4 Apr 2019 16:44

Tgt Ion:152 Resp: 190074
Ion Ratio Lower Upper
152 100
115 55.5 26.9 80.6
150 156.0 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: 76.184 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.09 min

Lab File: VD061582.D

Acq: 4 Apr 2019 16:44

Instrument :

MSVOA_D

ClientSampleId :

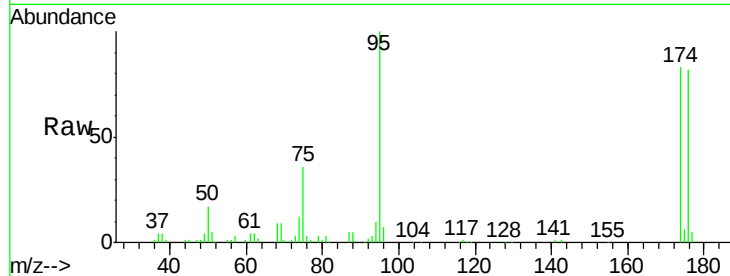
Tot Ion: 75 Resp: 63778

Ion Ratio Lower Upper

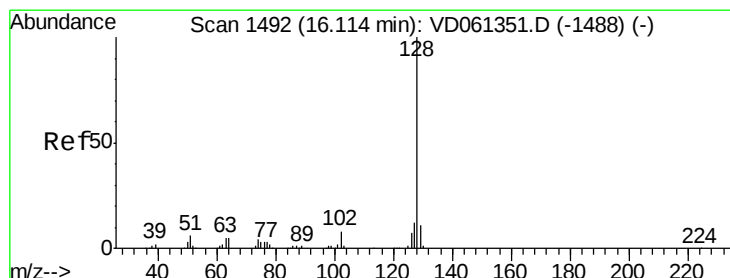
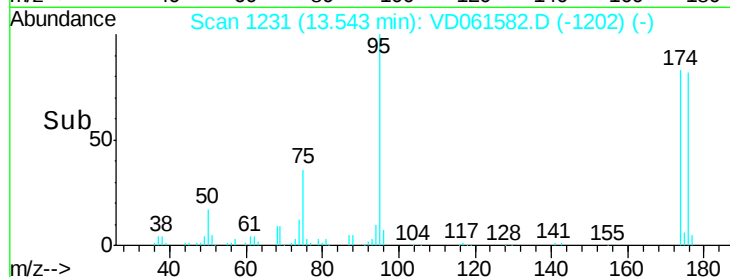
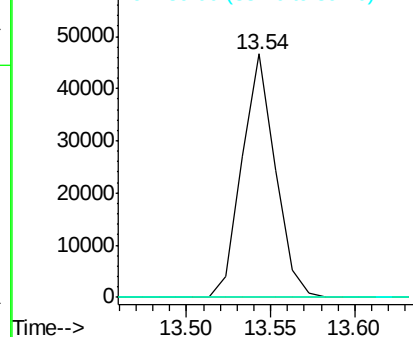
75 100

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: 1.365 ug/l

RT: 16.11 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VD061582.D

Acq: 4 Apr 2019 16:44

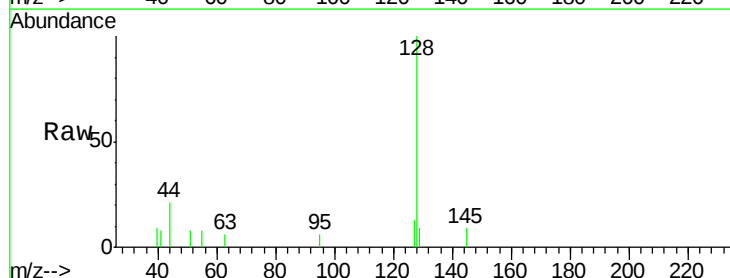
Tgt Ion: 128 Resp: 5164

Ion Ratio Lower Upper

128 100

127 12.8 9.9 14.9

129 9.4 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

