

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040119\
 Data File : VD061482.D
 Acq On : 1 Apr 2019 21:32
 Operator : VA/AP
 Sample : K2182-17
 Misc : 6.12g/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 02 01:20:55 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

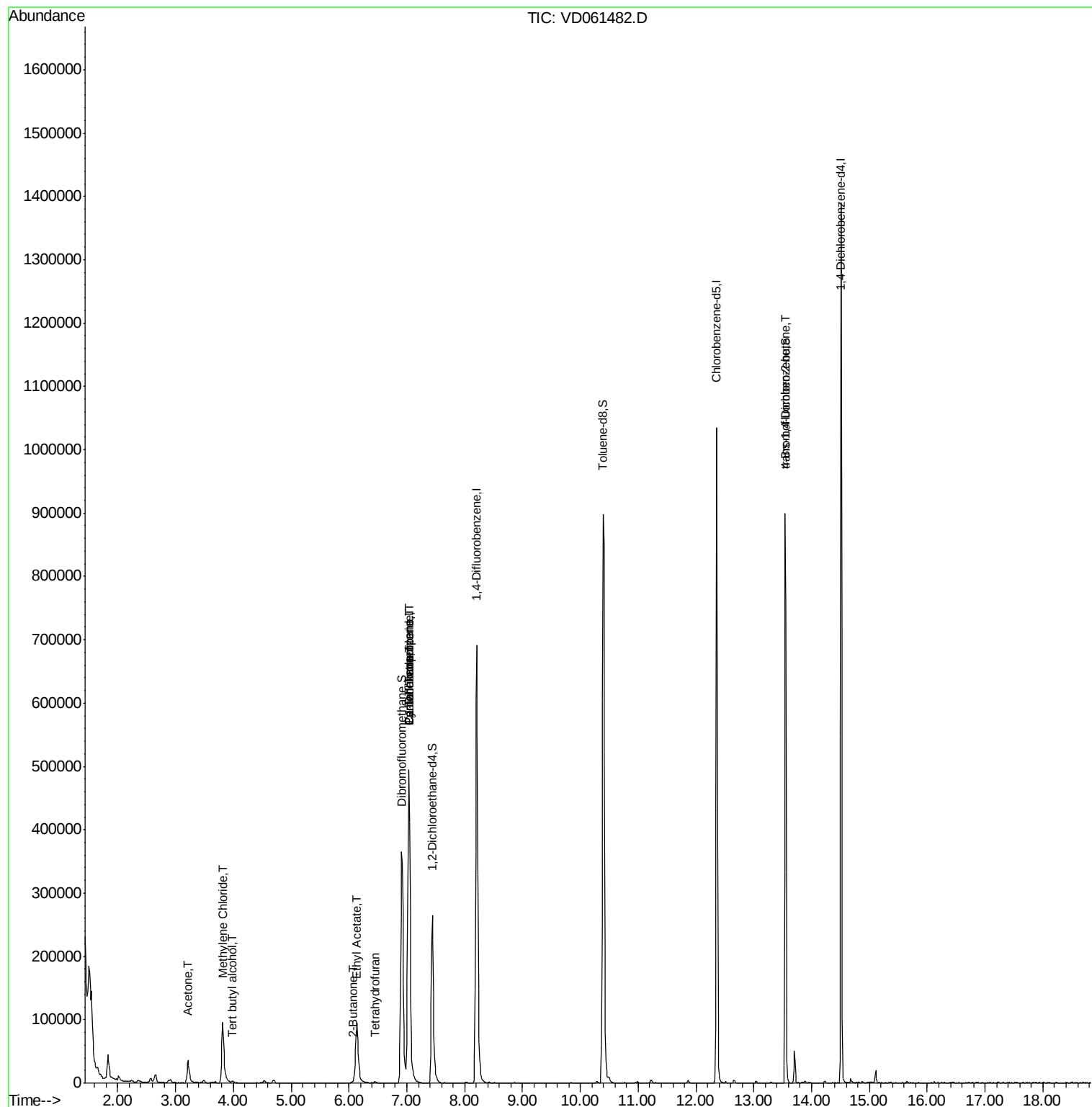
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	513943	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	865335	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.35	117	673409	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	298388	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	261871	59.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.30%	
35) Dibromofluoromethane	6.91	113	354671	53.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.26%	
50) Toluene-d8	10.39	98	815680	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
62) 4-Bromofluorobenzene	13.54	95	301093	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.99	59	2284	8.354	ug/l #	76
16) Acetone	3.22	43	73083	64.755	ug/l	99
20) Methylene Chloride	3.82	84	74814	10.309	ug/l	98
25) 2-Butanone	6.06	43	5120	3.606	ug/l	94
29) Tetrahydrofuran	6.45	42	2115	3.074	ug/l #	50
31) Cyclohexane	7.04	56	9660	1.277	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	38271	5.067	ug/l #	46
37) Ethyl Acetate	6.14	43	5595	1.732	ug/l #	6
38) Carbon Tetrachloride	7.03	117	51572	5.943	ug/l #	14
81) trans-1,4-Dichloro-2-buten	13.54	75	112835	85.858	ug/l #	18

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

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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: VD061482.D

Acq: 1 Apr 2019 21:32

Instrument :

MSVOA_D

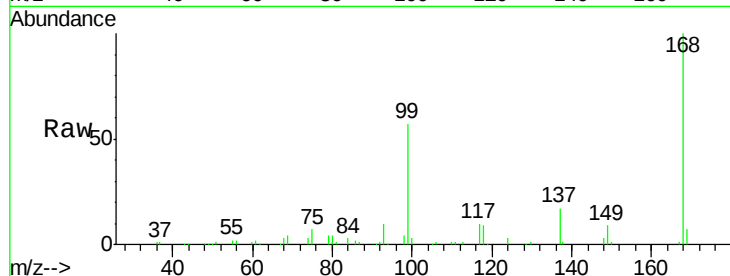
ClientSampleId :

Tot Ion:168 Resp: 513943

Ion Ratio Lower Upper

168 100

99 57.1 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

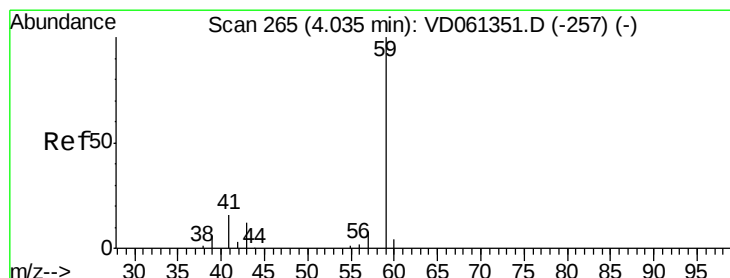
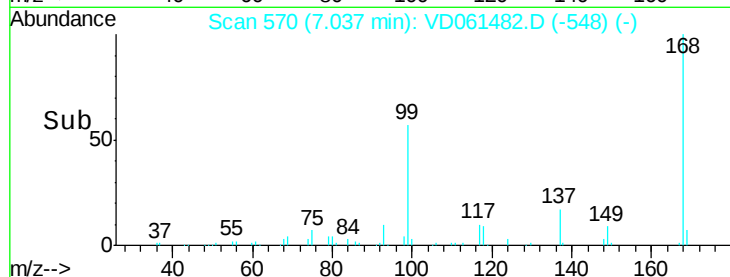
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 8.354 ug/l

RT: 3.99 min Scan# 260

Delta R.T. -0.05 min

Lab File: VD061482.D

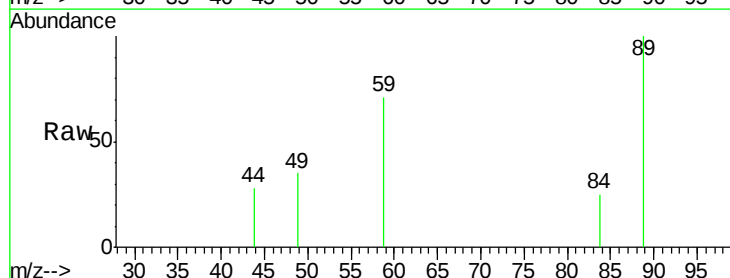
Acq: 1 Apr 2019 21:32

Tgt Ion: 59 Resp: 2284

Ion Ratio Lower Upper

59 100

57 0.0 6.7 10.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

3.99

1000

800

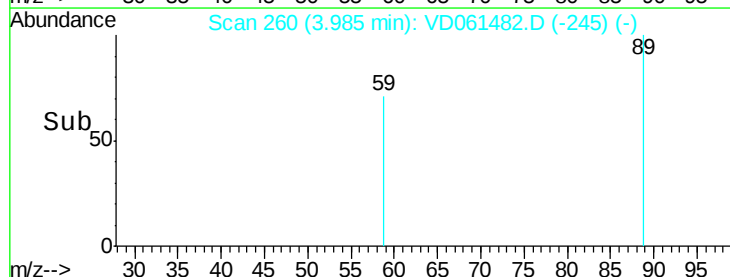
600

400

200

0

Time-->

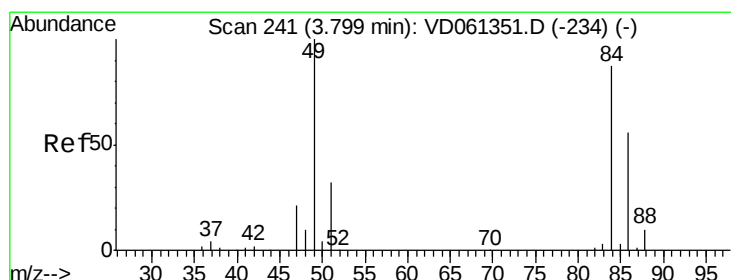
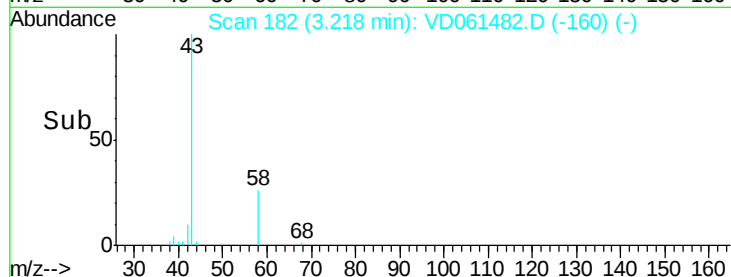
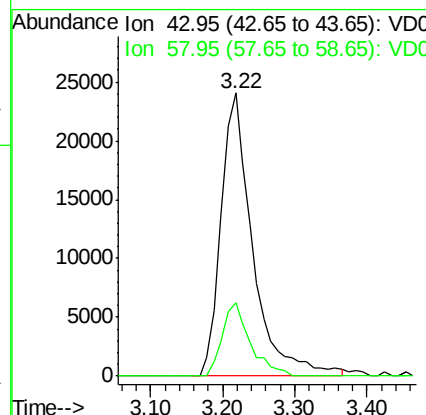
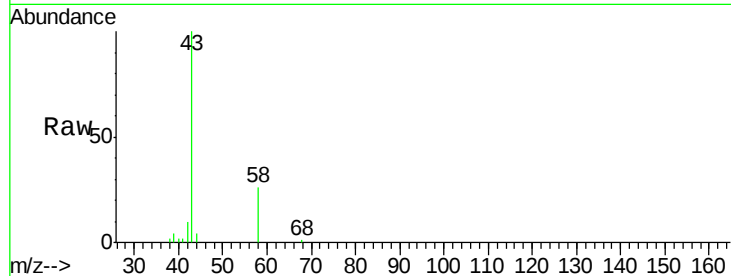




#16
Acetone
Concen: 64.755 ug/l
RT: 3.22 min Scan# 182
Delta R.T. 0.02 min
Lab File: VD061482.D
Acq: 1 Apr 2019 21:32

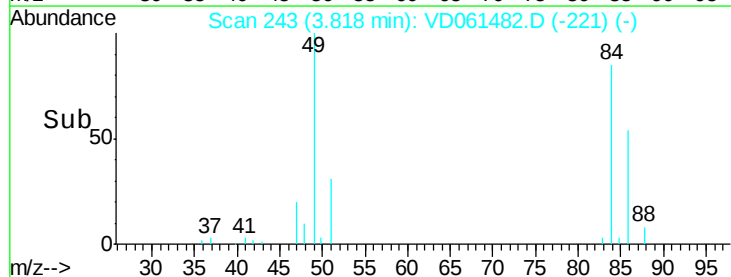
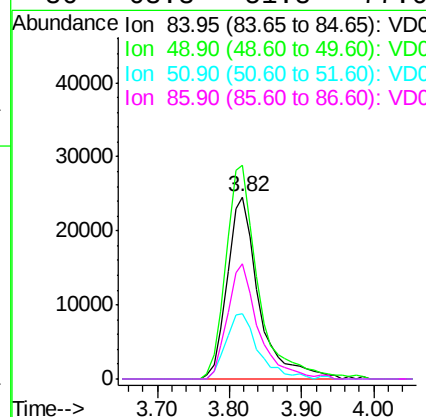
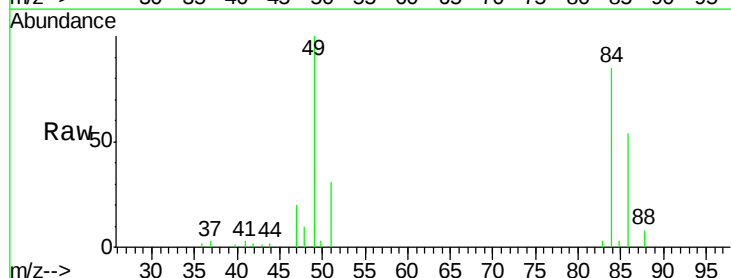
Instrument :
MSVOA_D
ClientSampleId :

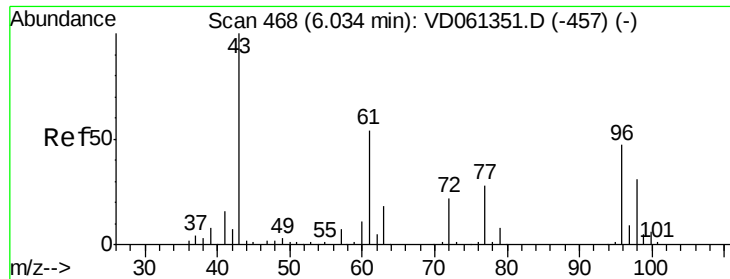
Tot Ion: 43 Resp: 73083
Ion Ratio Lower Upper
43 100
58 26.1 21.5 32.3



#20
Methylene Chloride
Concen: 10.309 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD061482.D
Acq: 1 Apr 2019 21:32

Tgt Ion: 84 Resp: 74814
Ion Ratio Lower Upper
84 100
49 117.5 91.8 137.8
51 36.1 29.8 44.8
86 63.3 51.8 77.6





#25

2-Butanone

Concen: 3.606 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.03 min

Lab File: VD061482.D

Acq: 1 Apr 2019 21:32

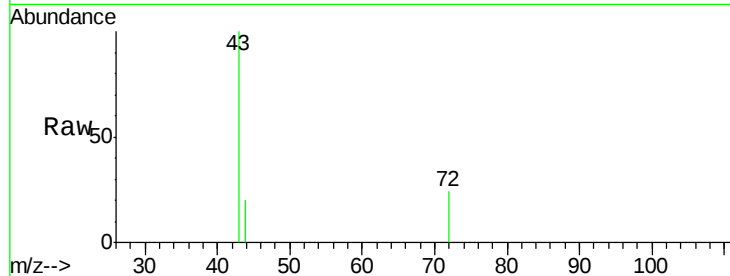
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 5120

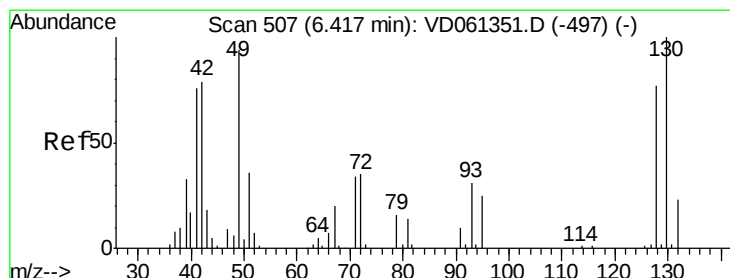
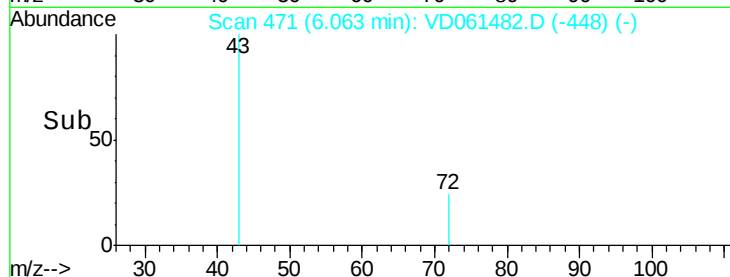
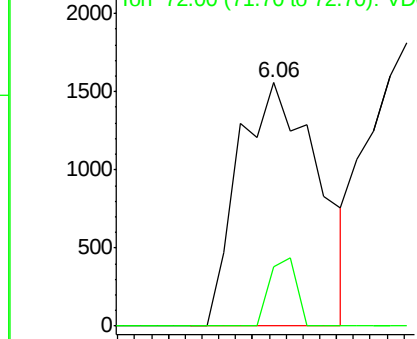
Ion Ratio Lower Upper

43 100

72 24.4 17.2 25.8



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



#29

Tetrahydrofuran

Concen: 3.074 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.03 min

Lab File: VD061482.D

Acq: 1 Apr 2019 21:32

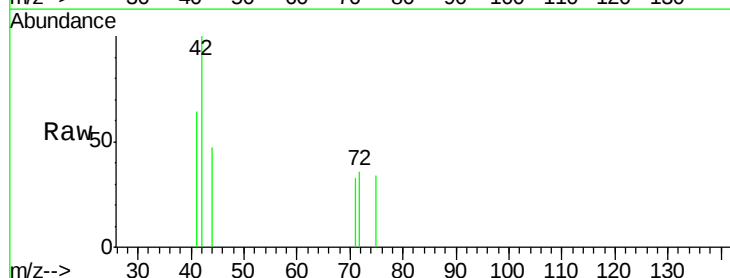
Tgt Ion: 42 Resp: 2115

Ion Ratio Lower Upper

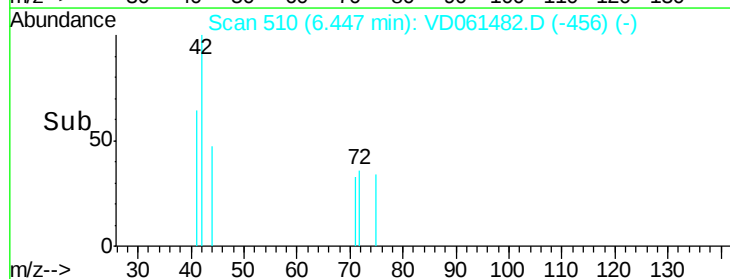
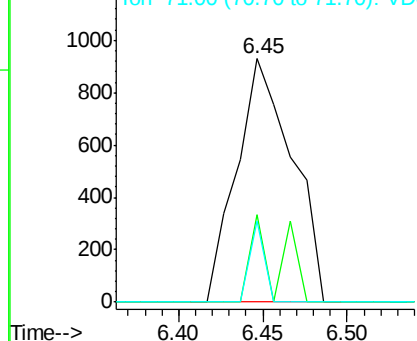
42 100

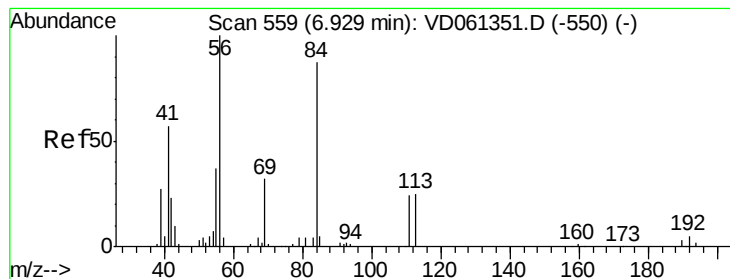
72 18.1 37.4 56.0#

71 8.6 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: 1.277 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.11 min

Lab File: VD061482.D

Acq: 1 Apr 2019 21:32

Instrument :

MSVOA_D

ClientSampleId :

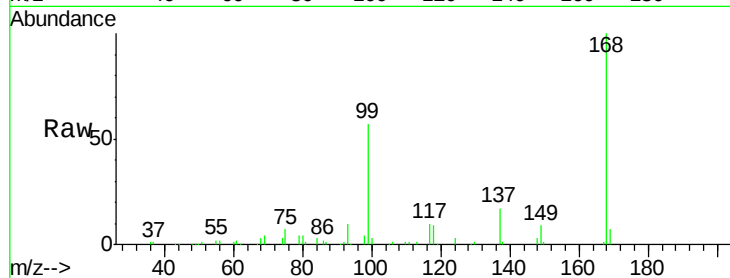
Tot Ion: 56 Resp: 9660

Ion Ratio Lower Upper

56 100

69 232.1 25.7 38.5#

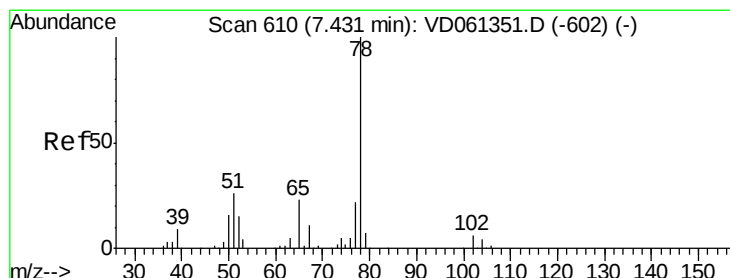
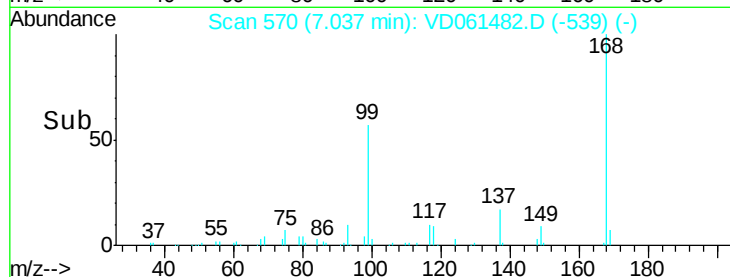
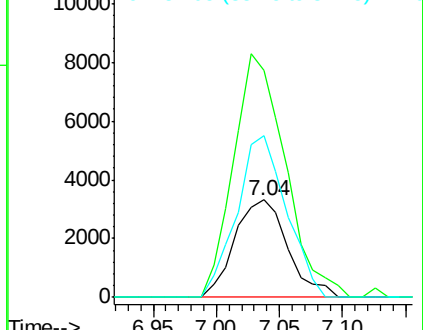
84 165.2 70.6 105.8#



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: 7.44 min Scan# 611

Delta R.T. 0.01 min

Lab File: VD061482.D

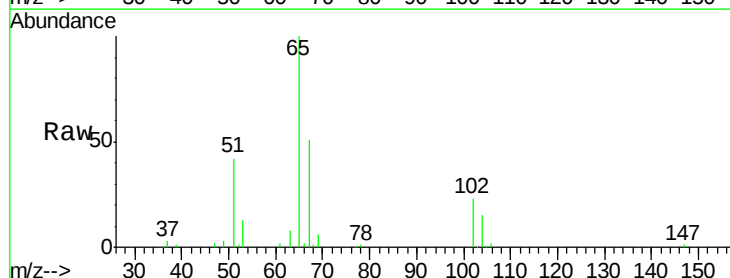
Acq: 1 Apr 2019 21:32

Tgt Ion: 65 Resp: 261871

Ion Ratio Lower Upper

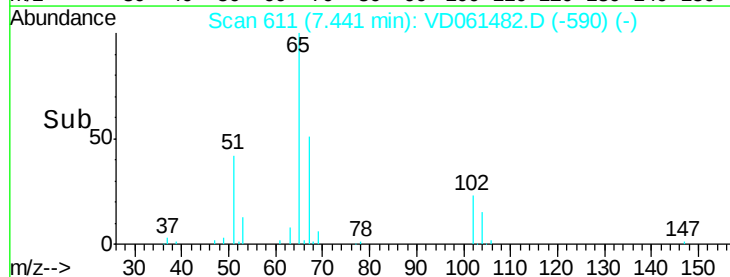
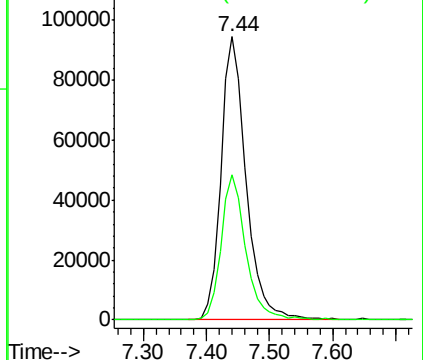
65 100

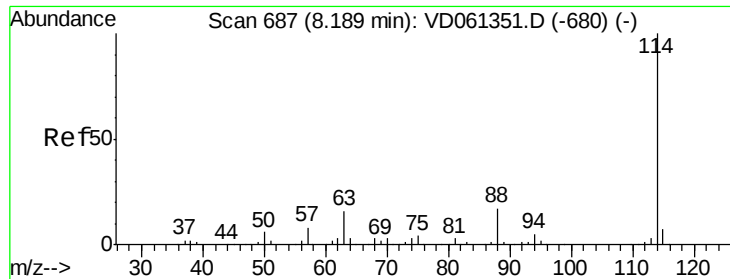
67 51.2 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

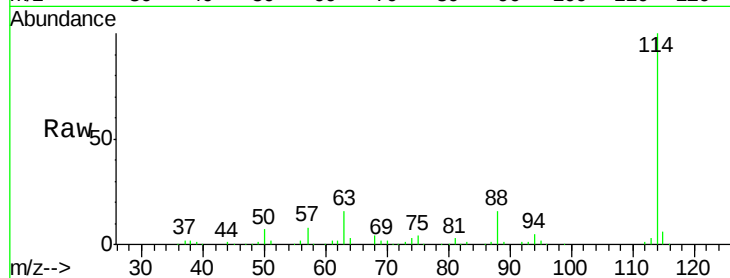




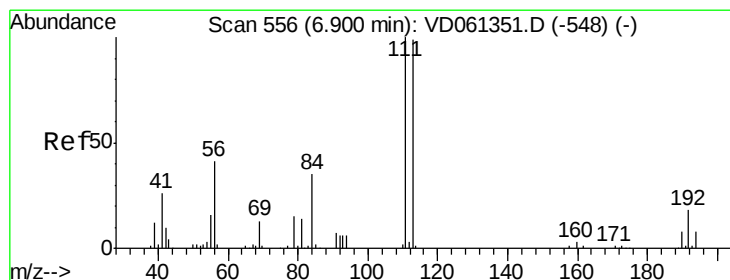
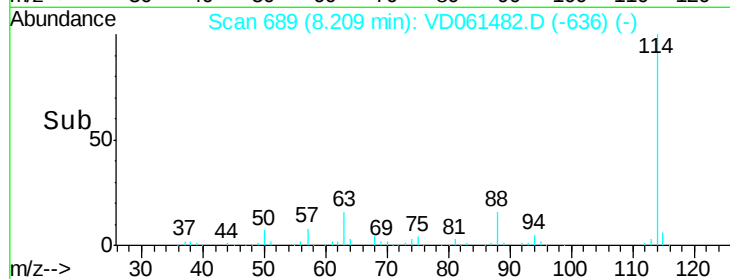
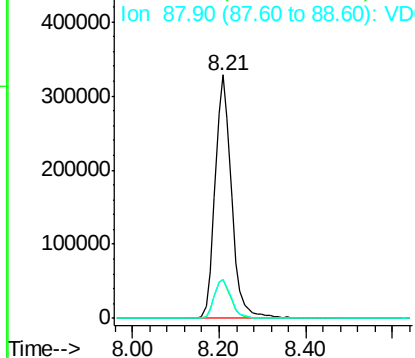
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.02 min
 Lab File: VD061482.D
 Acq: 1 Apr 2019 21:32

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 865335
 Ion Ratio Lower Upper
 114 100
 63 15.9 0.0 31.6
 88 16.2 0.0 33.4

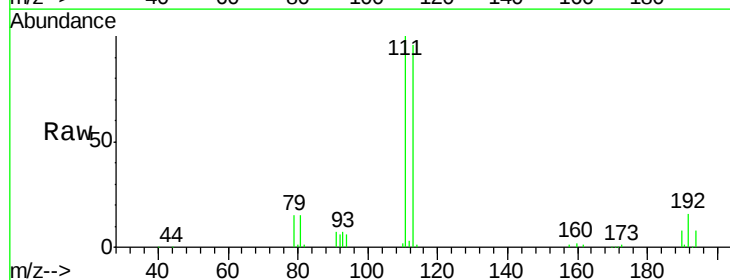


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

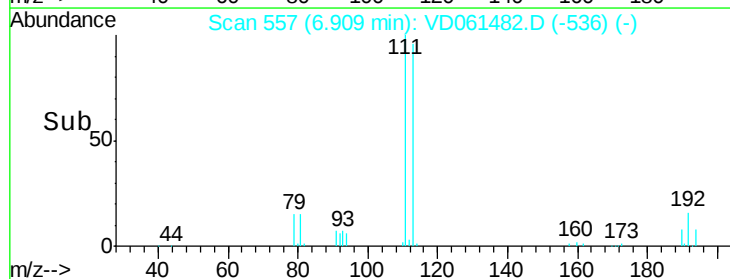
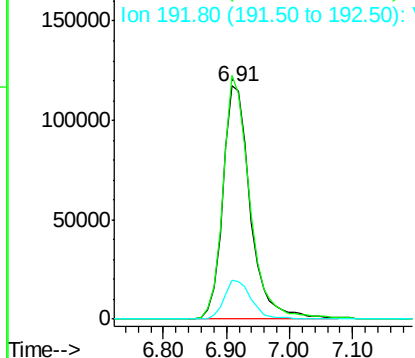


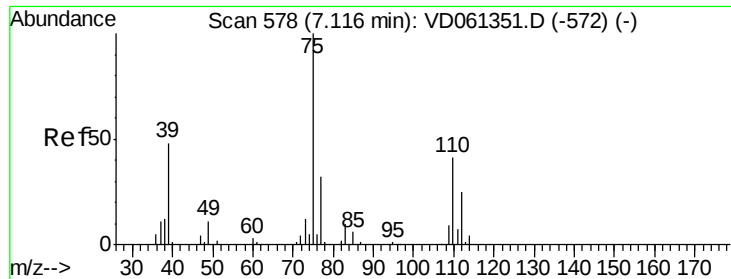
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. 0.01 min
 Lab File: VD061482.D
 Acq: 1 Apr 2019 21:32

Tgt Ion:113 Resp: 354671
 Ion Ratio Lower Upper
 113 100
 111 104.5 81.0 121.6
 192 16.4 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: 5.067 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.08 min

Lab File: VD061482.D

Acq: 1 Apr 2019 21:32

Instrument :

MSVOA_D

ClientSampleId :

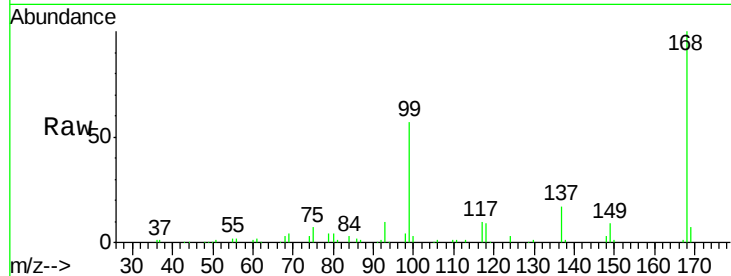
Tot Ion: 75 Resp: 38271

Ion Ratio Lower Upper

75 100

110 8.0 20.4 61.3#

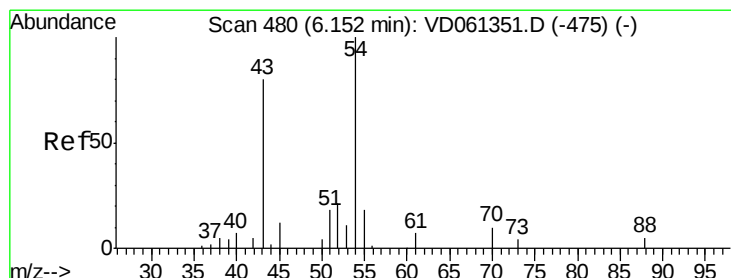
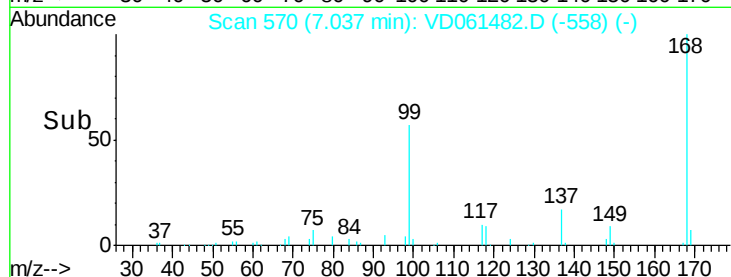
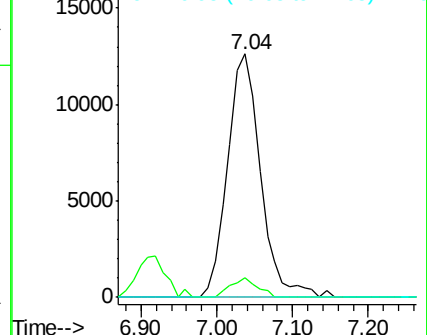
77 0.0 24.9 37.3#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 1.732 ug/l

RT: 6.14 min Scan# 479

Delta R.T. -0.01 min

Lab File: VD061482.D

Acq: 1 Apr 2019 21:32

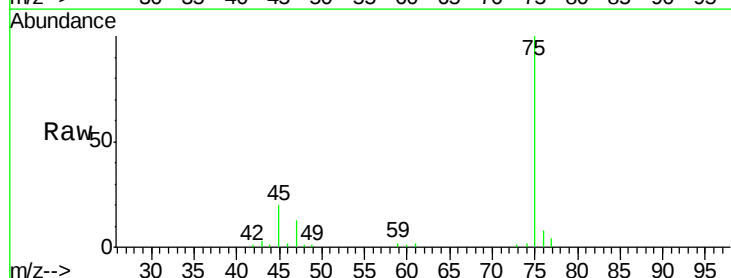
Tgt Ion: 43 Resp: 5595

Ion Ratio Lower Upper

43 100

61 75.2 13.8 20.8#

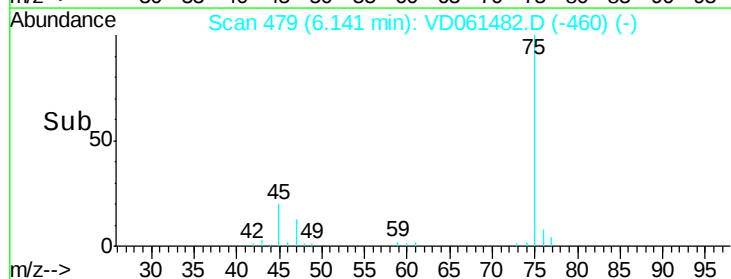
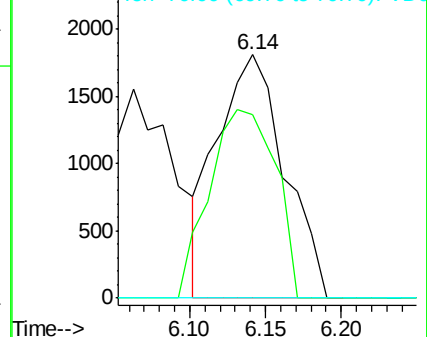
70 0.0 7.8 11.8#

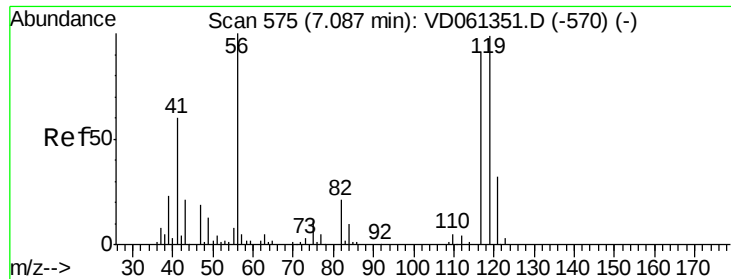


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 5.943 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.06 min

Lab File: VD061482.D

Acq: 1 Apr 2019 21:32

Instrument :

MSVOA_D

ClientSampleId :

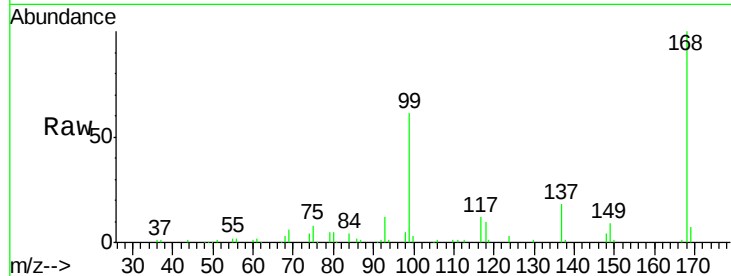
Tot Ion:117 Resp: 51572

Ion Ratio Lower Upper

117 100

119 4.9 80.1 120.1#

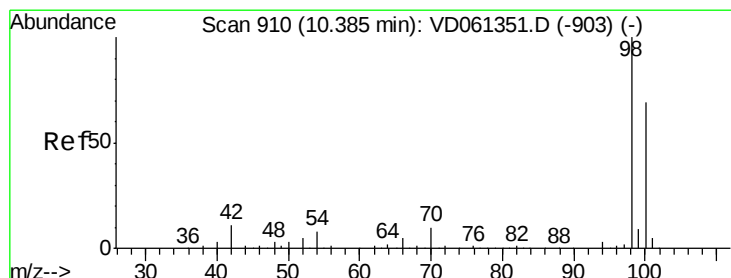
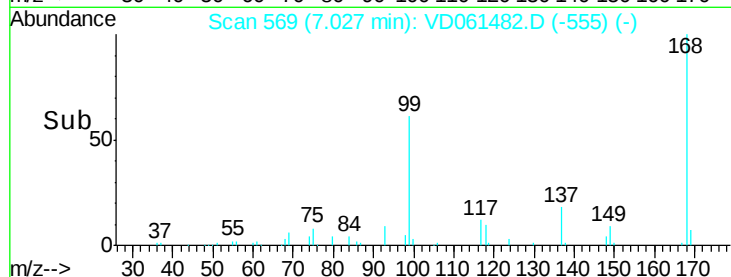
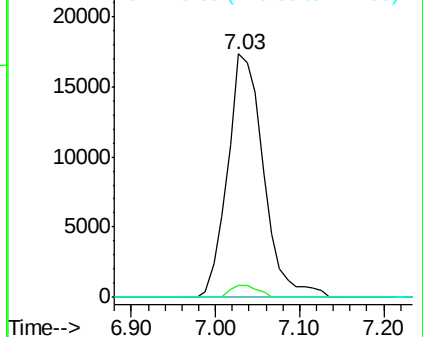
121 0.0 25.6 38.4#



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: VD061482.D

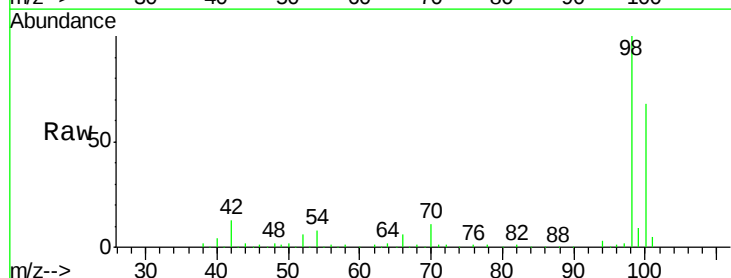
Acq: 1 Apr 2019 21:32

Tgt Ion: 98 Resp: 815680

Ion Ratio Lower Upper

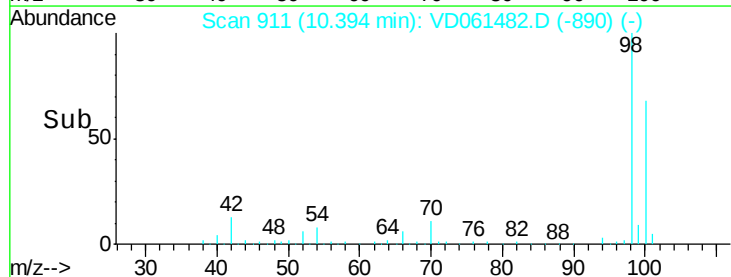
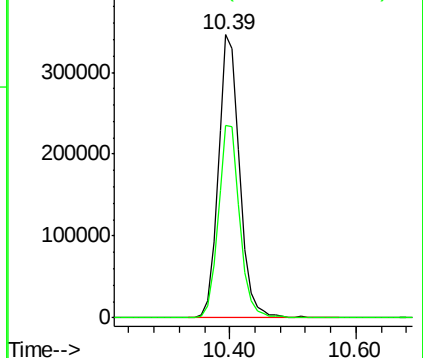
98 100

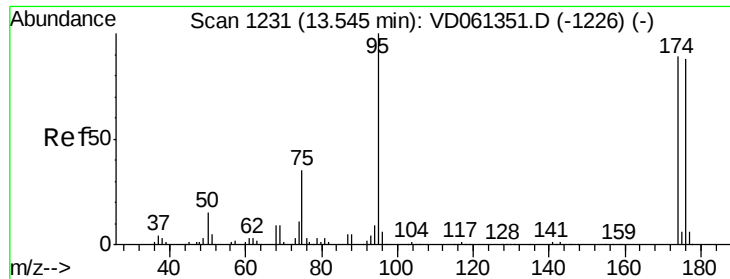
100 68.2 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

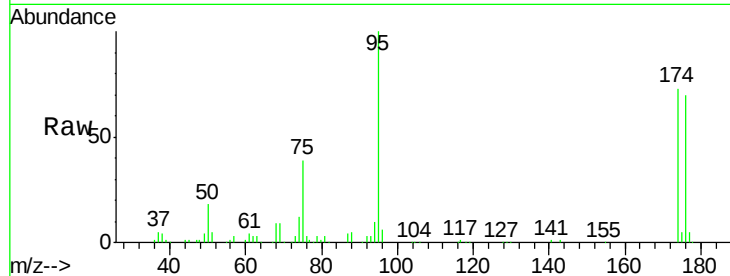




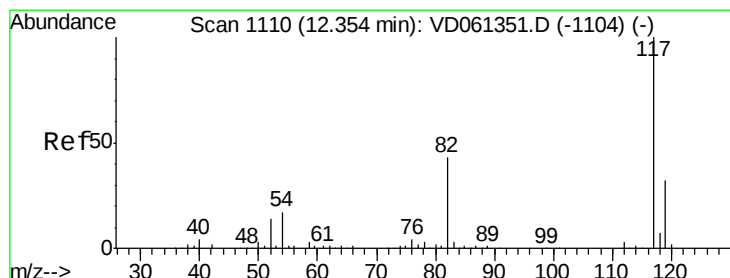
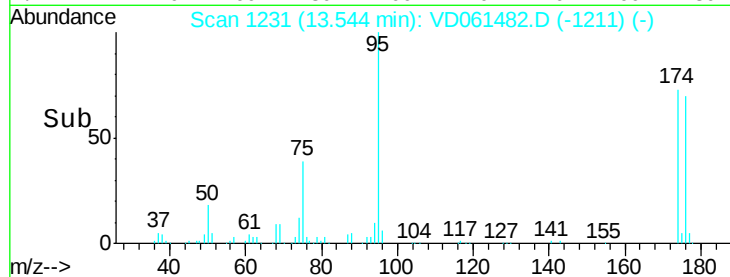
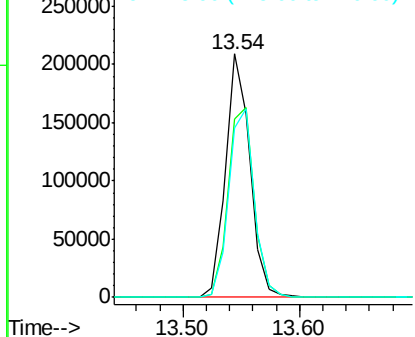
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VD061482.D
Acq: 1 Apr 2019 21:32

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 95 Resp: 301093
Ion Ratio Lower Upper
95 100
174 73.0 0.0 178.0
176 69.6 0.0 175.0

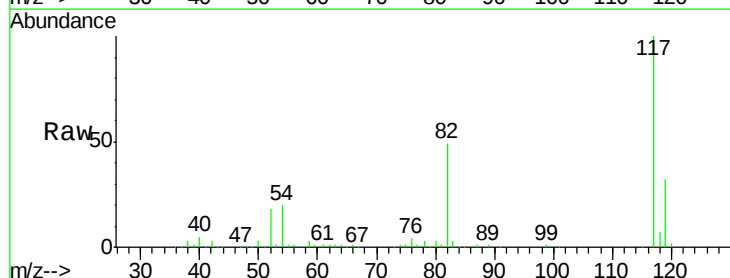


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

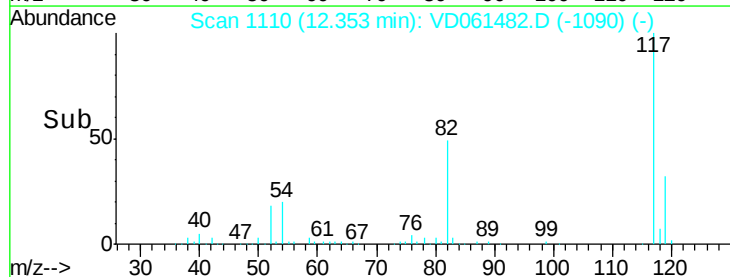
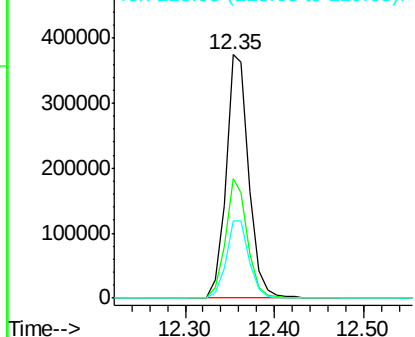


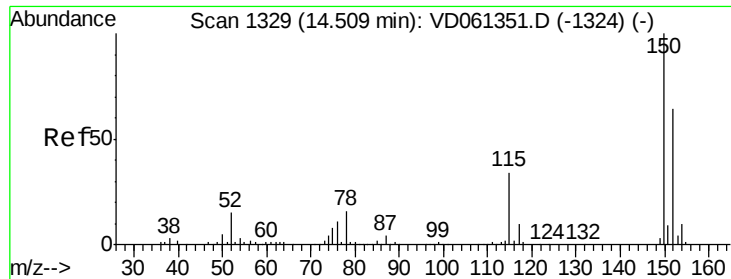
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD061482.D
Acq: 1 Apr 2019 21:32

Tgt Ion: 117 Resp: 673409
Ion Ratio Lower Upper
117 100
82 48.9 34.4 51.6
119 31.6 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



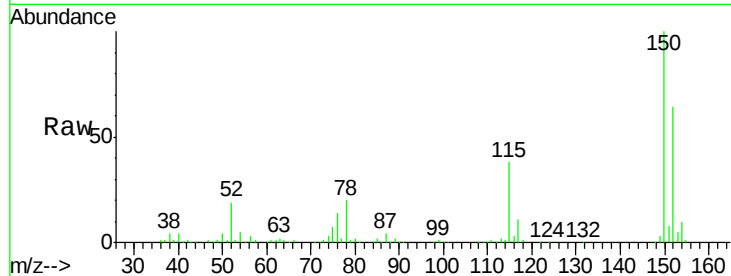


#72

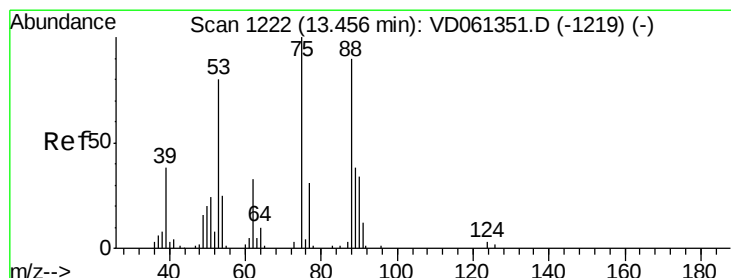
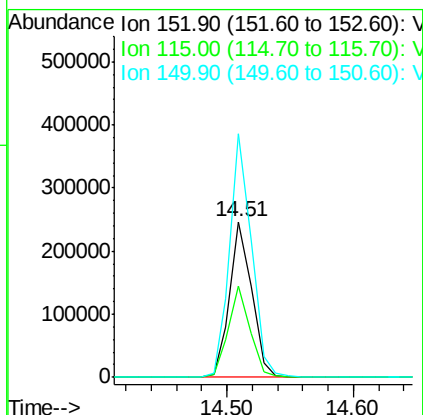
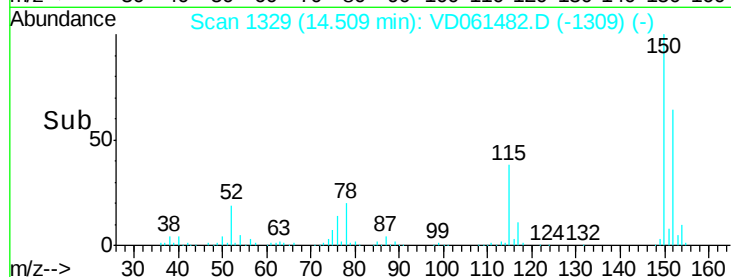
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VD061482.D
Acq: 1 Apr 2019 21:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 298388
Ion Ratio Lower Upper
152 100
115 58.6 26.9 80.6
150 156.1 0.0 318.0



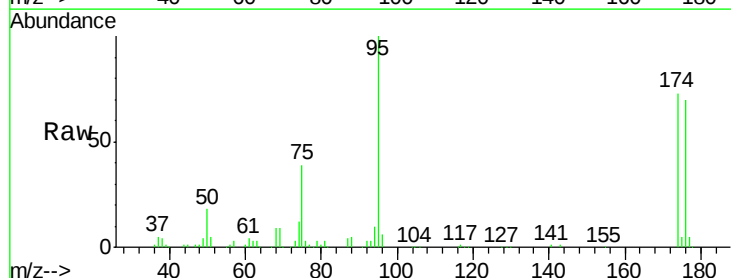
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 85.858 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. 0.09 min
Lab File: VD061482.D
Acq: 1 Apr 2019 21:32

Tgt Ion: 75 Resp: 112835
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

