

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041119\
 Data File : VD061753.D
 Acq On : 11 Apr 2019 20:51
 Operator : VA/AP
 Sample : K2344-04
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 12 01:03:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	230440	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	337558	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	181840	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	36690	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	148690	85.13	ug/l	0.00
Spiked Amount						
			Recovery	=	170.26%	
35) Dibromofluoromethane	6.92	113	209488	89.58	ug/l	0.00
Spiked Amount						
			Recovery	=	179.16%	
50) Toluene-d8	10.40	98	357749	60.89	ug/l	0.00
Spiked Amount						
			Recovery	=	121.78%	
62) 4-Bromofluorobenzene	13.55	95	59889	26.14	ug/l	0.00
Spiked Amount						
			Recovery	=	52.28%	

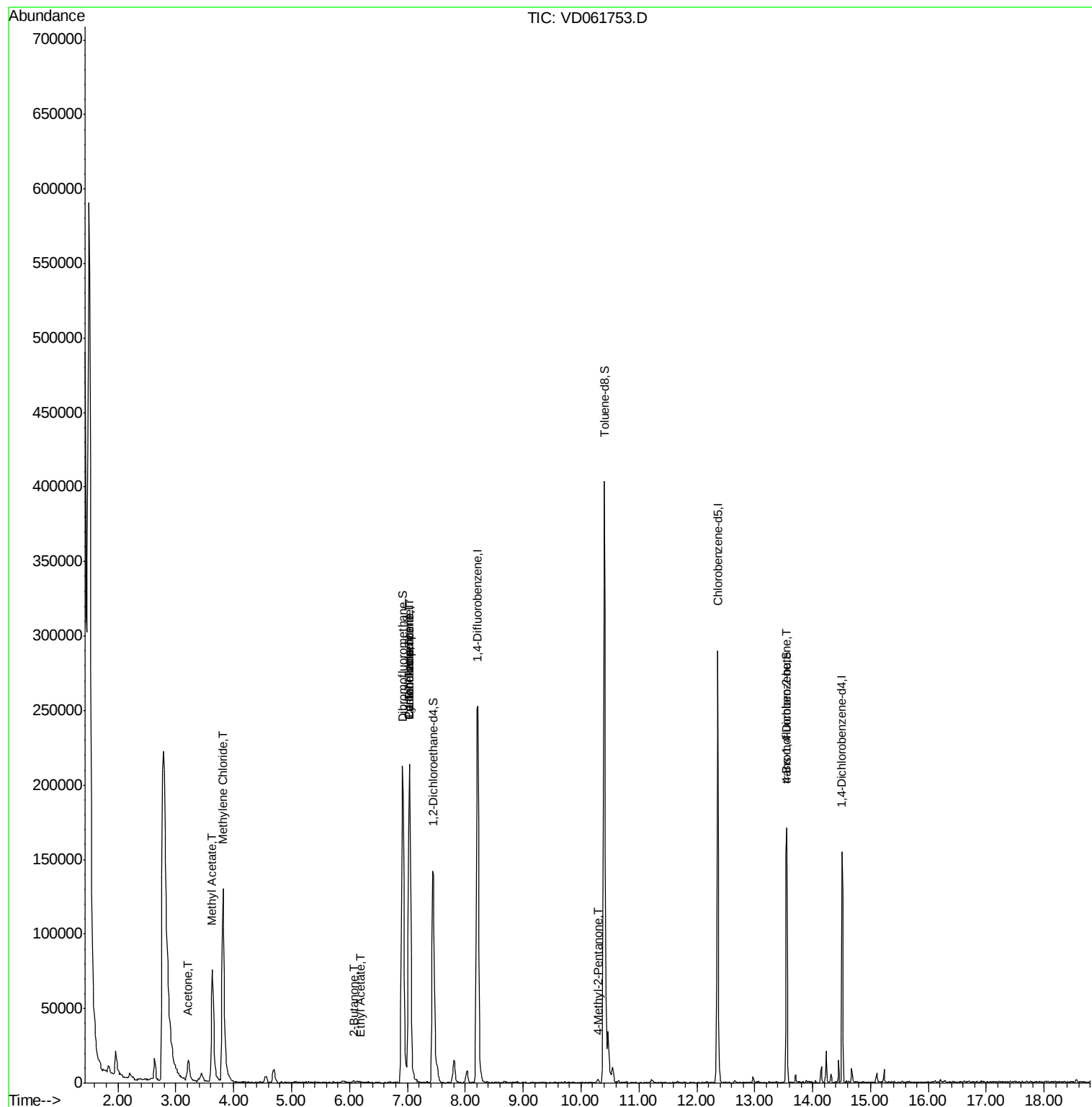
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.21	43	30667	58.732	ug/l	100
18) Methyl Acetate	3.63	43	160702	163.581	ug/l	94
20) Methylene Chloride	3.82	84	100618	33.958	ug/l	99
25) 2-Butanone	6.06	43	1918	3.186	ug/l #	54
31) Cyclohexane	7.02	56	3417	1.039	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	15826	5.357	ug/l #	48
37) Ethyl Acetate	6.18	43	1860	1.546	ug/l #	68
38) Carbon Tetrachloride	7.03	117	22280	6.435	ug/l #	15
51) 4-Methyl-2-Pentanone	10.28	43	2935	2.842	ug/l #	76
81) trans-1,4-Dichloro-2-buten	13.54	75	21711	143.331	ug/l #	20

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
Quant Title : SW846 8260
QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD061753.D

Acq: 11 Apr 2019 20:51

Instrument :

MSVOA_D

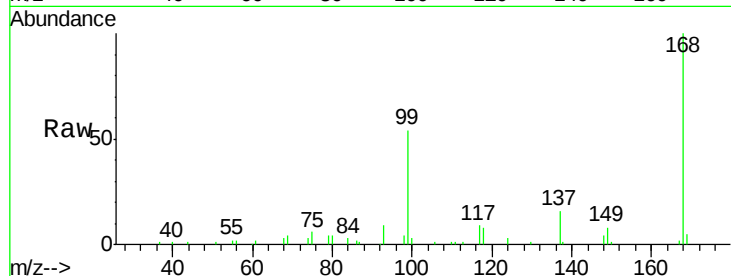
ClientSampleId :

Tot Ion:168 Resp: 230440

Ion Ratio Lower Upper

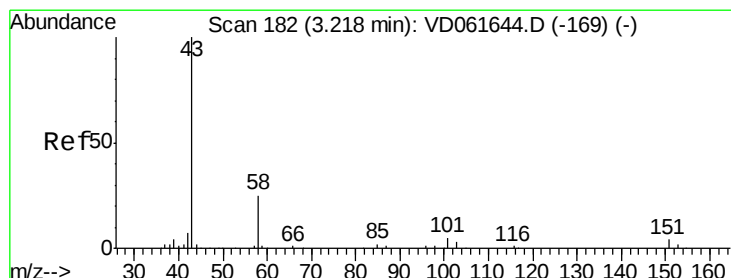
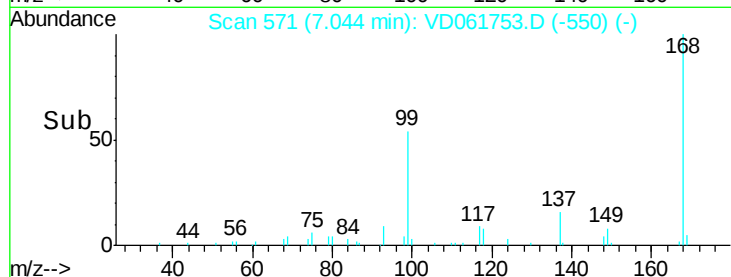
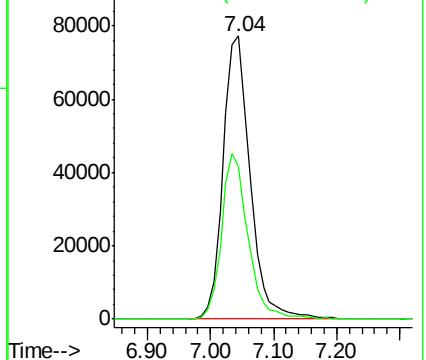
168 100

99 53.9 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 58.732 ug/l

RT: 3.21 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD061753.D

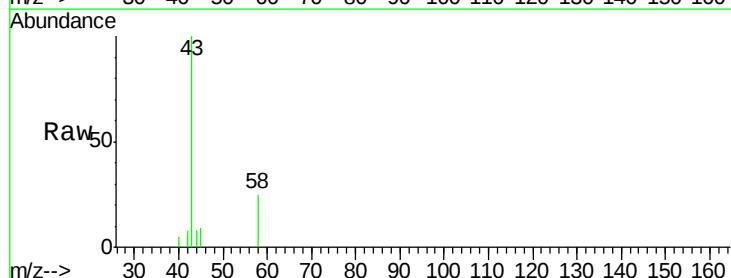
Acq: 11 Apr 2019 20:51

Tgt Ion: 43 Resp: 30667

Ion Ratio Lower Upper

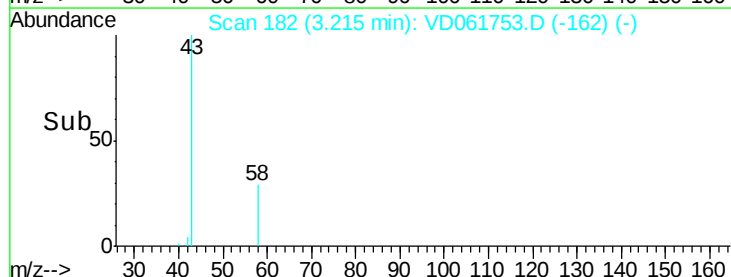
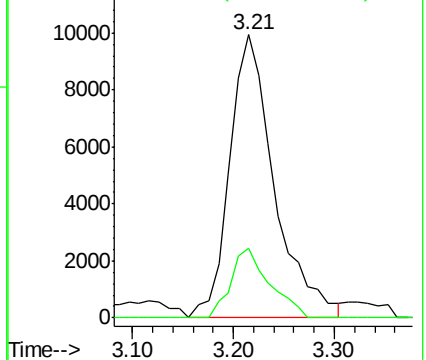
43 100

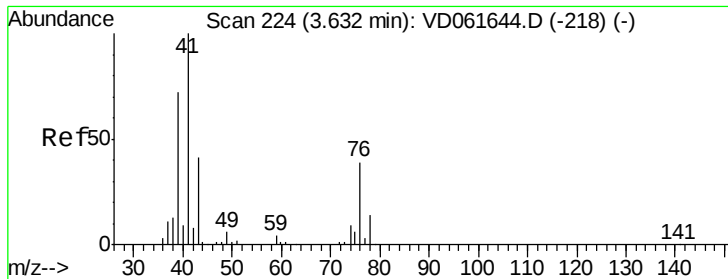
58 24.7 19.7 29.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

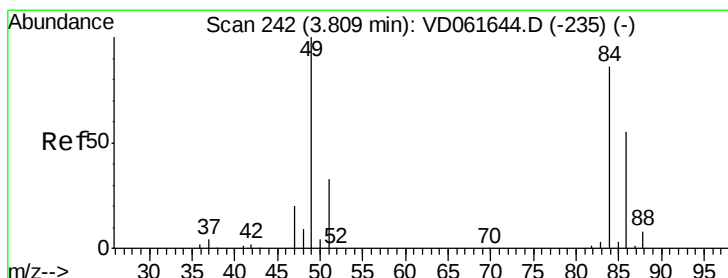
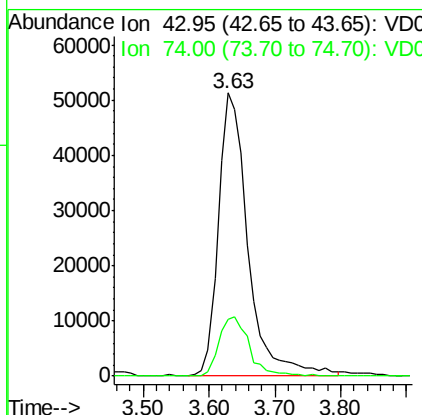
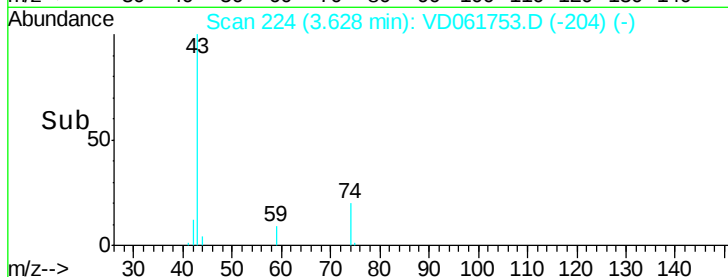
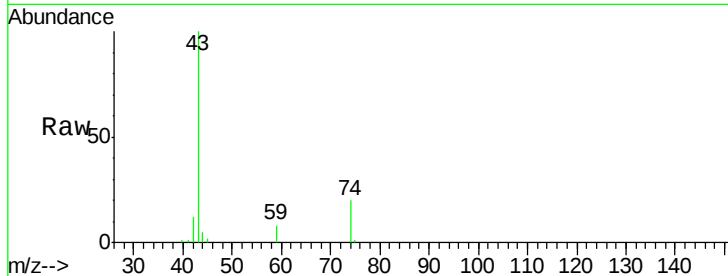




#18
Methyl Acetate
Concen: 163.581 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.00 min
Lab File: VD061753.D
Acq: 11 Apr 2019 20:51

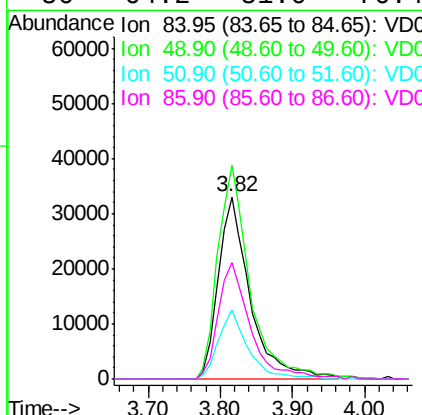
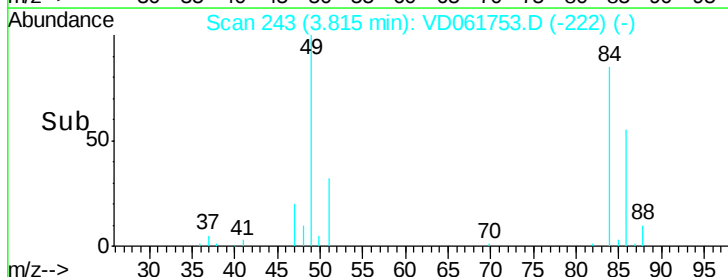
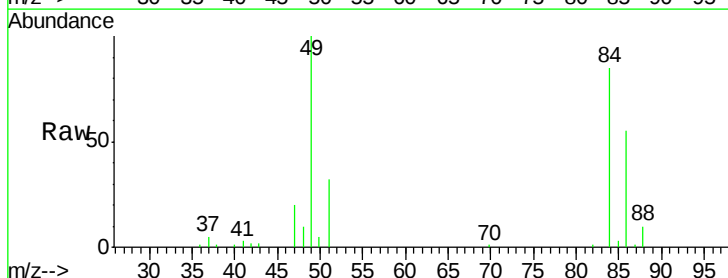
Instrument :
MSVOA_D
ClientSampled :

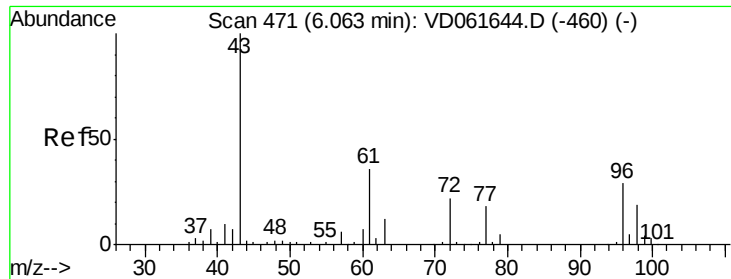
Tot Ion: 43 Resp: 160702
Ion Ratio Lower Upper
43 100
74 19.9 18.2 27.2



#20
Methylene Chloride
Concen: 33.958 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.01 min
Lab File: VD061753.D
Acq: 11 Apr 2019 20:51

Tgt Ion: 84 Resp: 100618
Ion Ratio Lower Upper
84 100
49 117.5 93.0 139.4
51 37.9 30.4 45.6
86 64.2 51.0 76.4





#25

2-Butanone

Concen: 3.186 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.00 min

Lab File: VD061753.D

Acq: 11 Apr 2019 20:51

Instrument :

MSVOA_D

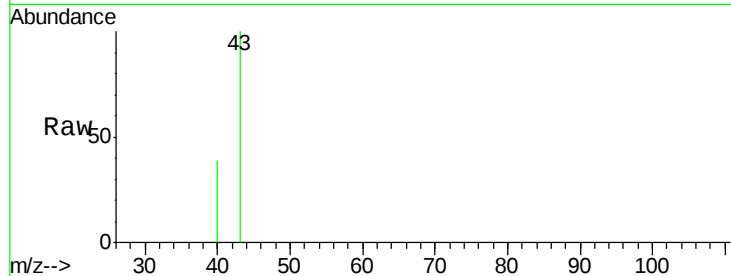
ClientSampleId :

Tot Ion: 43 Resp: 1918

Ion Ratio Lower Upper

43 100

72 0.0 17.4 26.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.06

800

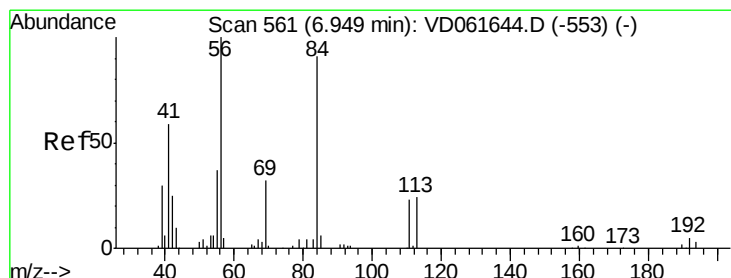
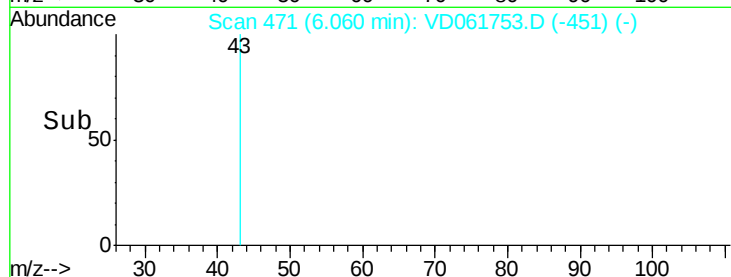
600

400

200

0

Time-->



#31

Cyclohexane

Concen: 1.039 ug/l

RT: 7.02 min Scan# 569

Delta R.T. 0.08 min

Lab File: VD061753.D

Acq: 11 Apr 2019 20:51

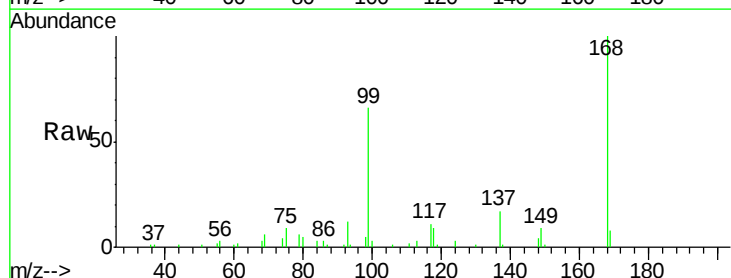
Tgt Ion: 56 Resp: 3417

Ion Ratio Lower Upper

56 100

69 221.7 25.8 38.6#

84 118.6 74.2 111.2#



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

5000

4000

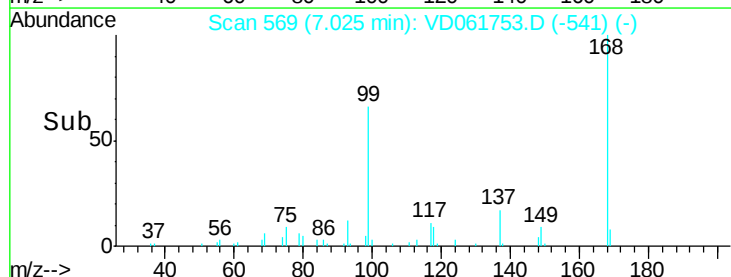
3000

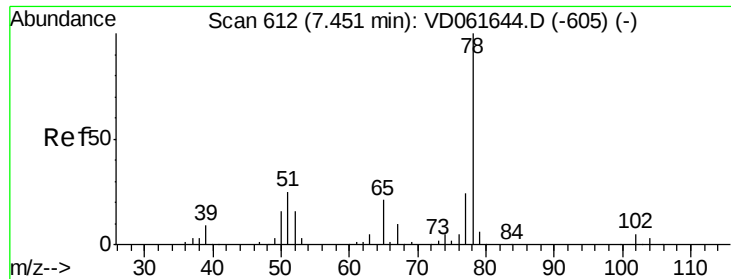
2000

1000

0

Time-->

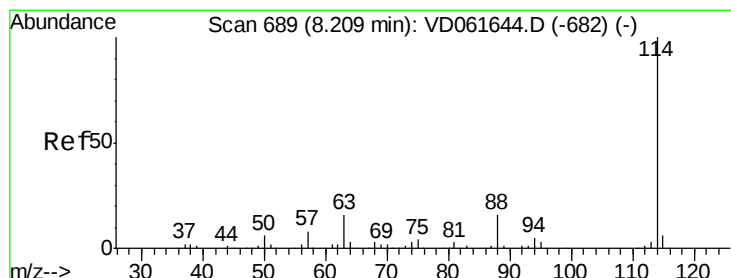
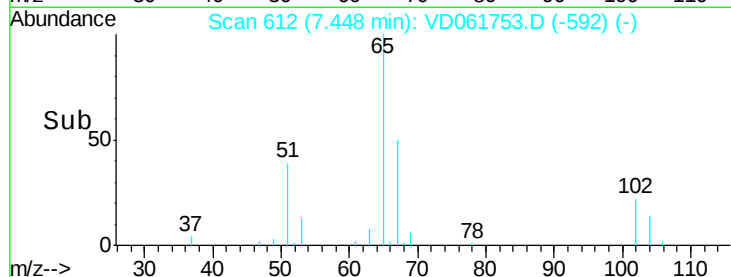
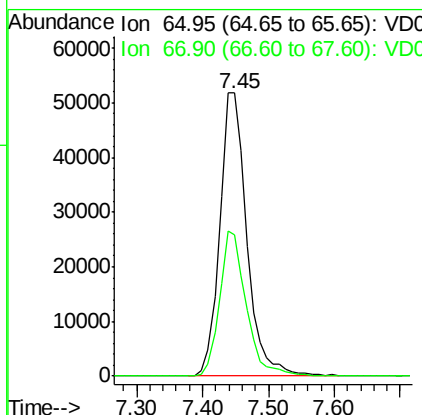
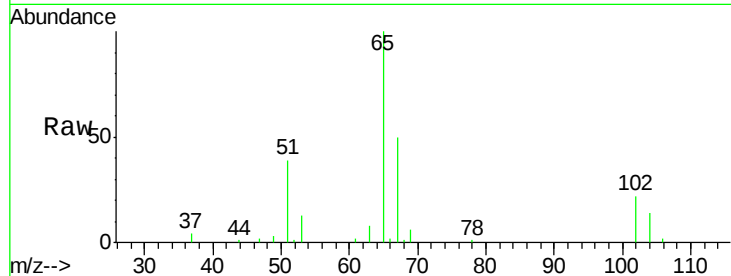




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VD061753.D
 Acq: 11 Apr 2019 20:51

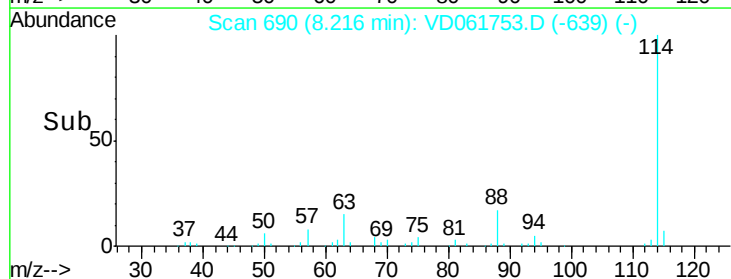
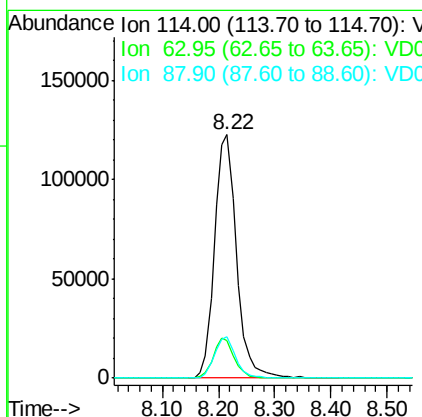
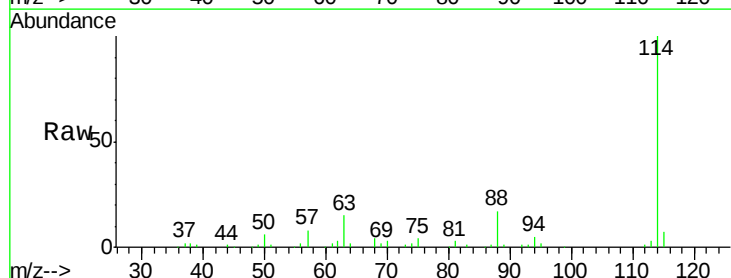
Instrument :
 MSVOA_D
 ClientSampleId :

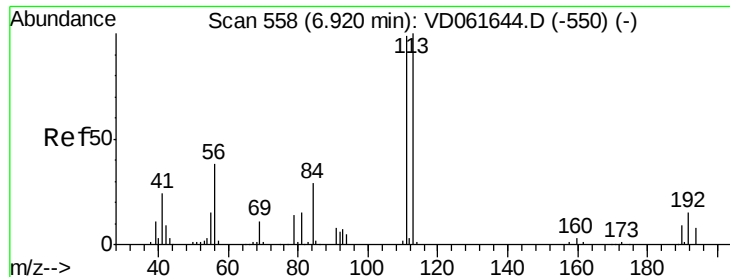
Tot Ion: 65 Resp: 148690
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VD061753.D
 Acq: 11 Apr 2019 20:51

Tgt Ion: 114 Resp: 337558
 Ion Ratio Lower Upper
 114 100
 63 15.3 0.0 31.2
 88 17.0 0.0 31.8

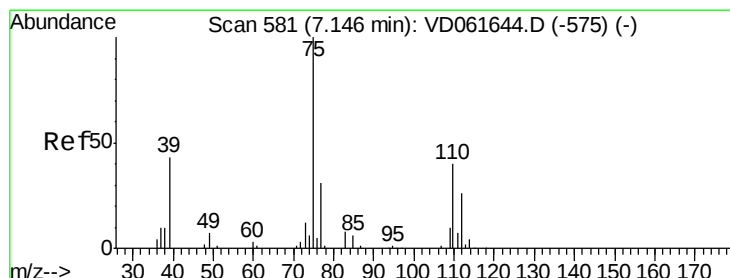
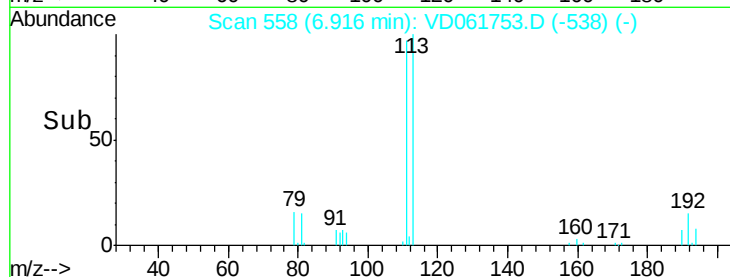
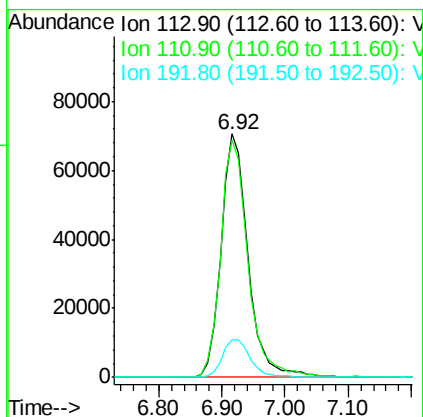
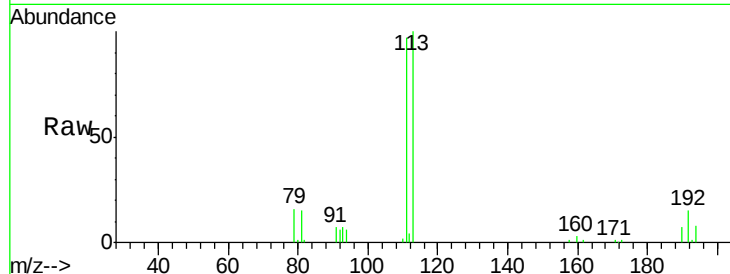




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.00 min
 Lab File: VD061753.D
 Acq: 11 Apr 2019 20:51

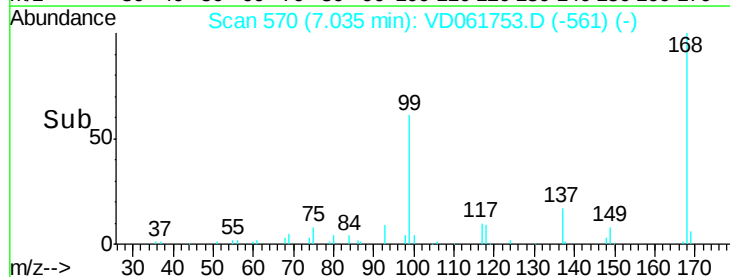
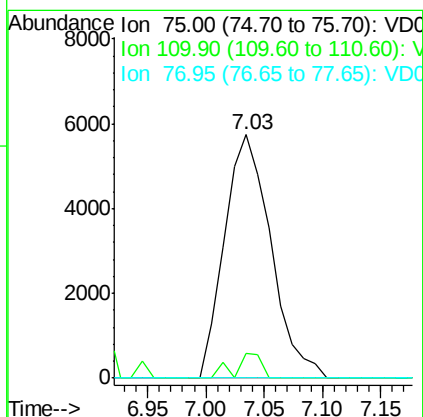
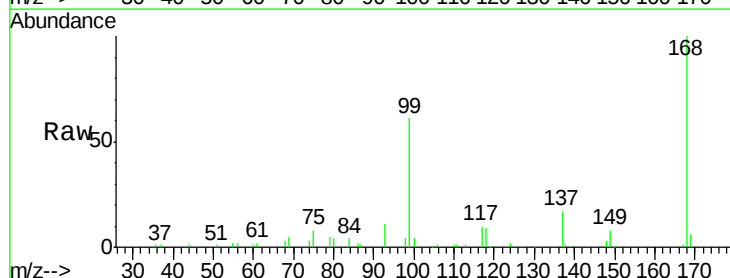
Instrument :
 MSVOA_D
 ClientSampleId :

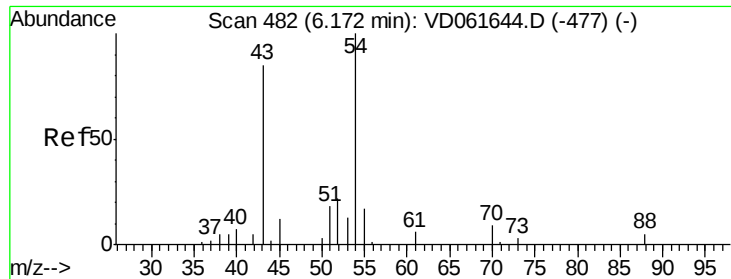
Tot Ion:113 Resp: 209488
 Ion Ratio Lower Upper
 113 100
 111 97.2 79.3 118.9
 192 15.3 12.3 18.5



#36
 1,1-Dichloropropene
 Concen: 5.357 ug/l
 RT: 7.03 min Scan# 570
 Delta R.T. -0.11 min
 Lab File: VD061753.D
 Acq: 11 Apr 2019 20:51

Tgt Ion: 75 Resp: 15826
 Ion Ratio Lower Upper
 75 100
 110 10.0 19.7 59.0#
 77 0.0 24.8 37.2#

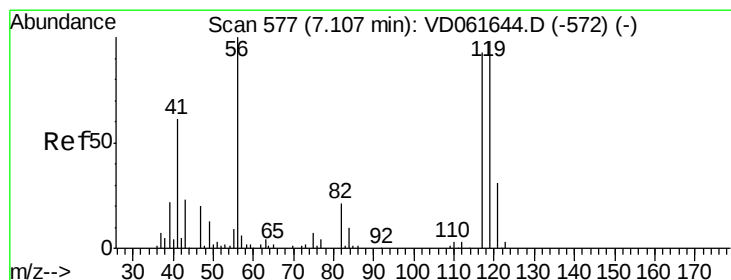
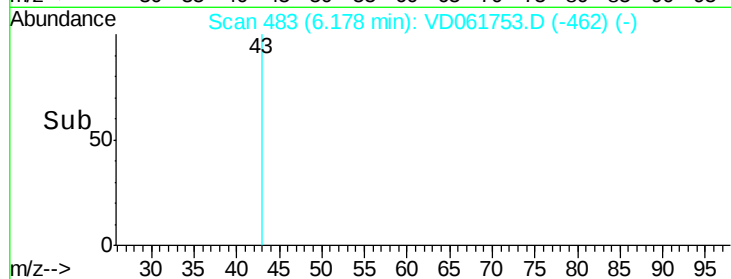
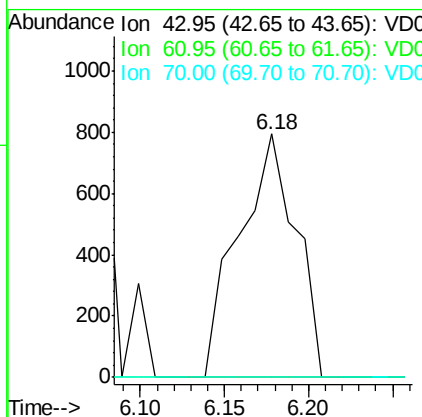
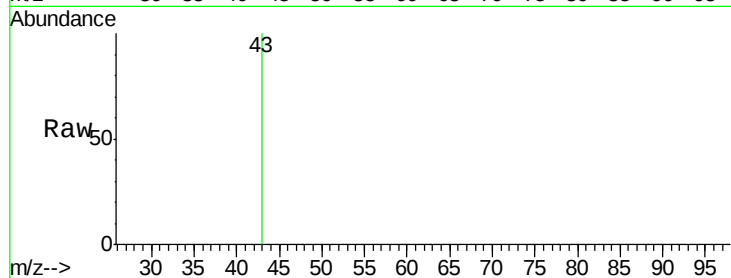




#37
Ethyl Acetate
Concen: 1.546 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD061753.D
Acq: 11 Apr 2019 20:51

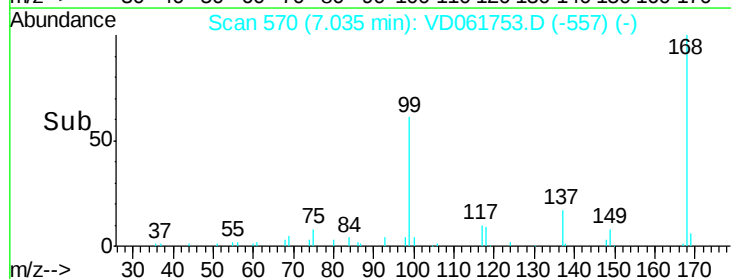
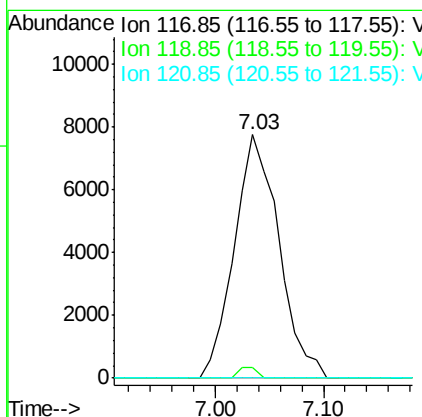
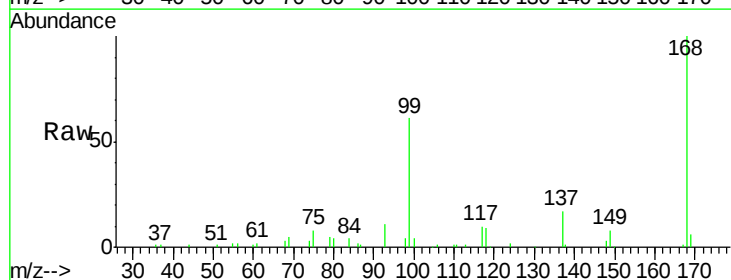
Instrument :
MSVOA_D
ClientSampleID :

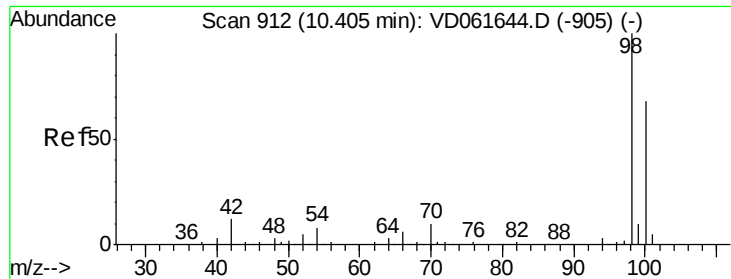
Tot Ion: 43 Resp: 1860
Ion Ratio Lower Upper
43 100
61 0.0 11.9 17.9#
70 0.0 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 6.435 ug/l
RT: 7.03 min Scan# 570
Delta R.T. -0.07 min
Lab File: VD061753.D
Acq: 11 Apr 2019 20:51

Tgt Ion: 117 Resp: 22280
Ion Ratio Lower Upper
117 100
119 4.3 77.9 116.9#
121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.00 min

Lab File: VD061753.D

Acq: 11 Apr 2019 20:51

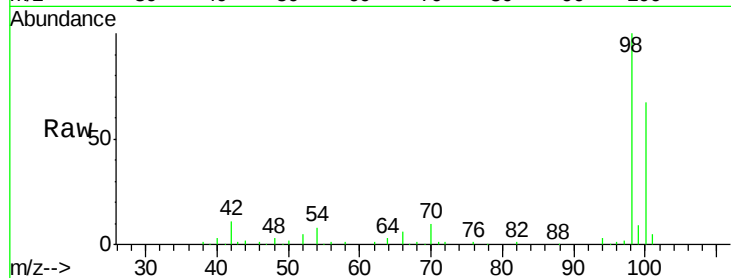
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 357749

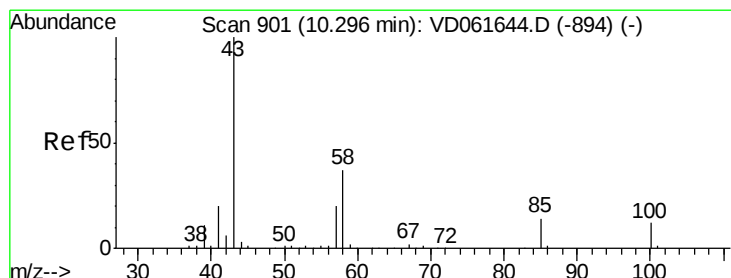
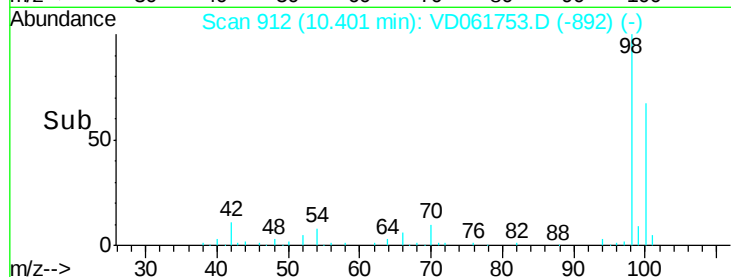
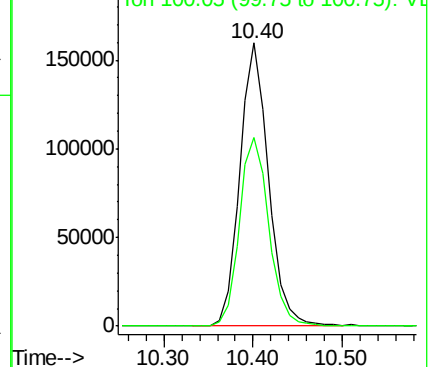
Ion Ratio Lower Upper

98 100

100 66.7 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): VD061644.D (-905) (-)



#51

4-Methyl-2-Pentanone

Concen: 2.842 ug/l

RT: 10.28 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD061753.D

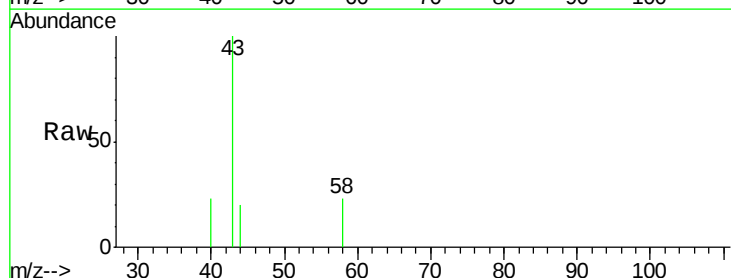
Acq: 11 Apr 2019 20:51

Tgt Ion: 43 Resp: 2935

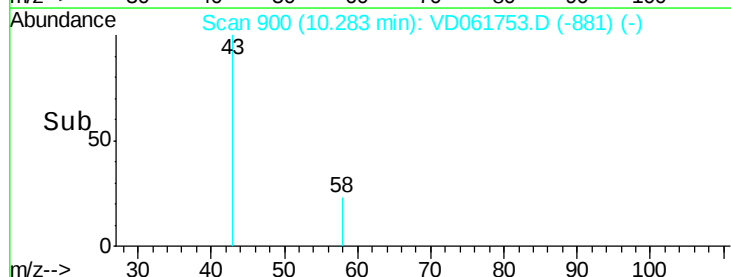
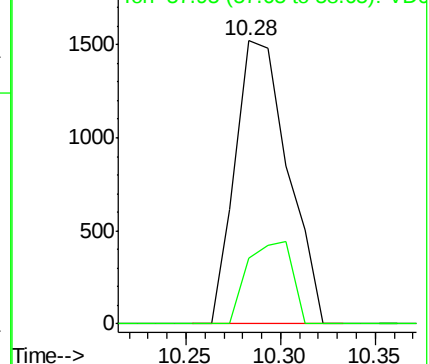
Ion Ratio Lower Upper

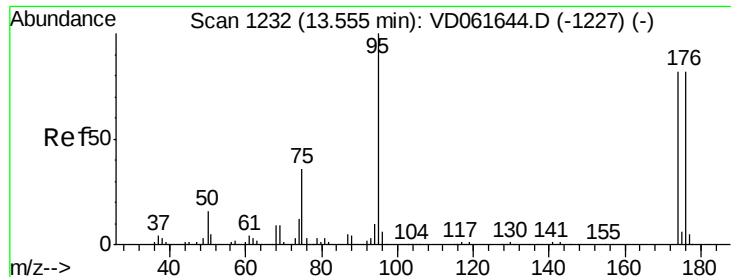
43 100

58 23.2 29.8 44.8#



Abundance Ion 42.95 (42.65 to 43.65): VD061644.D (-894) (-)





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD061753.D

Acq: 11 Apr 2019 20:51

Instrument :

MSVOA_D

ClientSampleId :

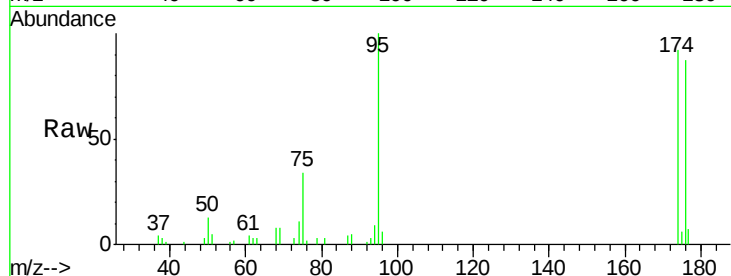
Tot Ion: 95 Resp: 59889

Ion Ratio Lower Upper

95 100

174 91.8 0.0 164.6

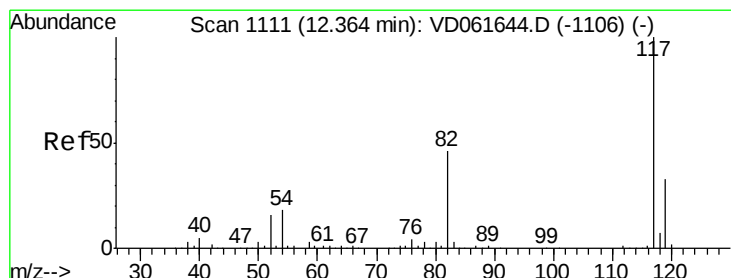
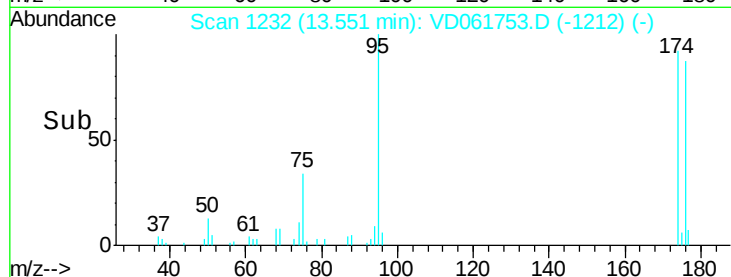
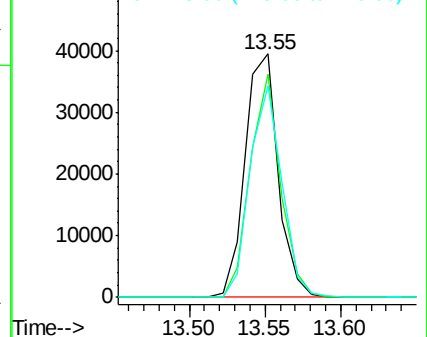
176 86.8 0.0 165.0



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: 12.36 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD061753.D

Acq: 11 Apr 2019 20:51

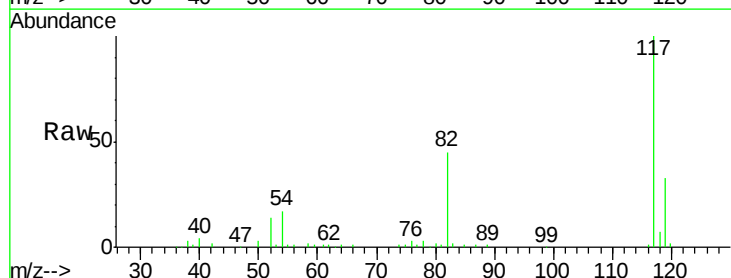
Tgt Ion: 117 Resp: 181840

Ion Ratio Lower Upper

117 100

82 44.5 36.8 55.2

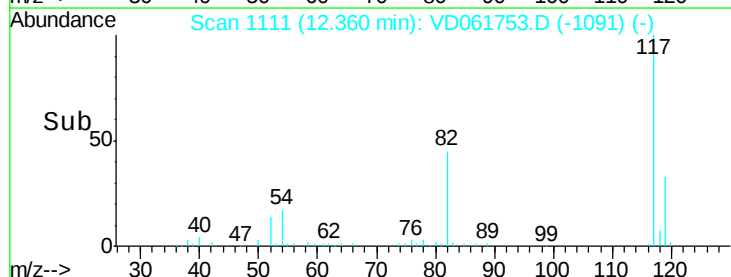
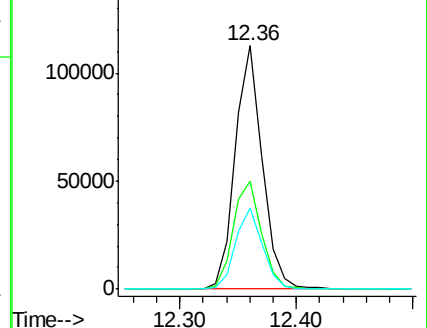
119 33.4 26.1 39.1

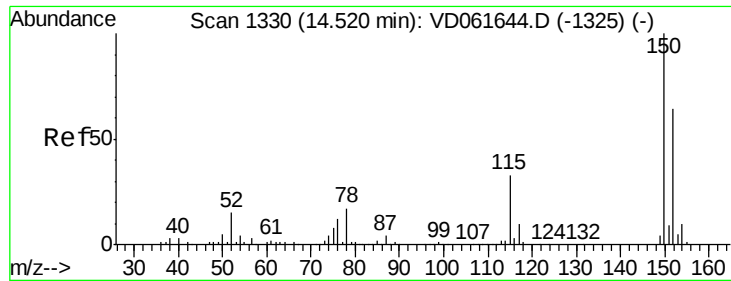


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



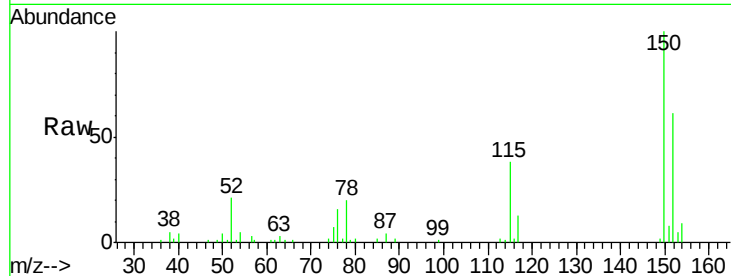


#72

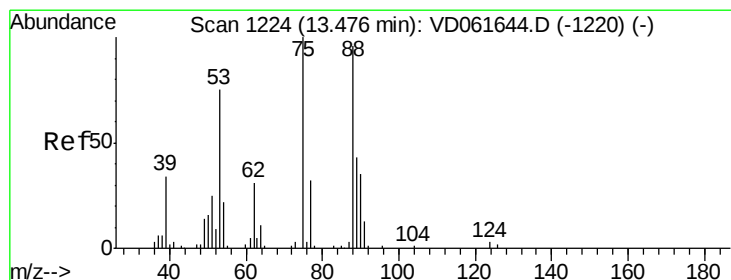
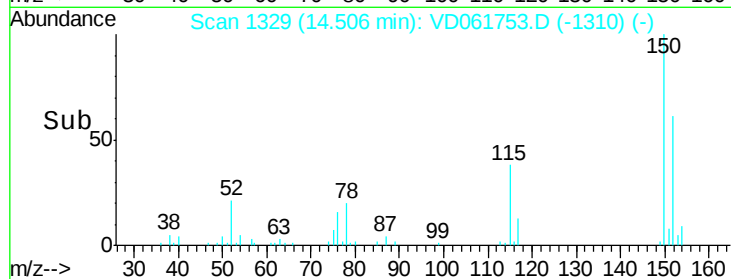
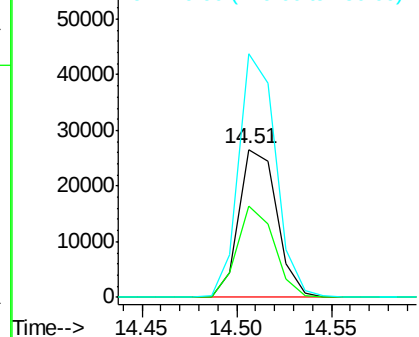
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD061753.D
Acq: 11 Apr 2019 20:51

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:152 Resp: 36690
Ion Ratio Lower Upper
152 100
115 62.0 26.4 79.2
150 164.6 0.0 320.6



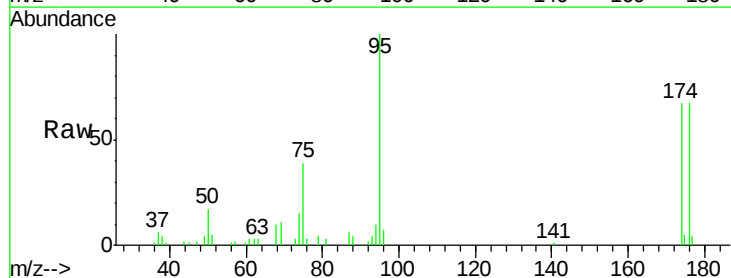
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 143.331 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. 0.07 min
Lab File: VD061753.D
Acq: 11 Apr 2019 20:51

Tgt Ion: 75 Resp: 21711
Ion Ratio Lower Upper
75 100
53 0.0 60.2 90.2#
89 0.0 34.2 51.2#



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

