

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061819\
 Data File : VD062761.D
 Acq On : 18 Jun 2019 20:30
 Operator : VA/AP
 Sample : K3154-11RE
 Misc : 6.61g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 19 05:27:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	374520	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.22	114	530951	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	452404	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	203189	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	302889	56.05	ug/l	0.00
Spiked Amount			Recovery	=	112.10%	
35) Dibromofluoromethane	6.93	113	274071	48.94	ug/l	0.01
Spiked Amount			Recovery	=	97.88%	
50) Toluene-d8	10.41	98	428928	36.41	ug/l	0.00
Spiked Amount			Recovery	=	72.82%	
62) 4-Bromofluorobenzene	13.55	95	211773	38.54	ug/l	0.00
Spiked Amount			Recovery	=	77.08%	

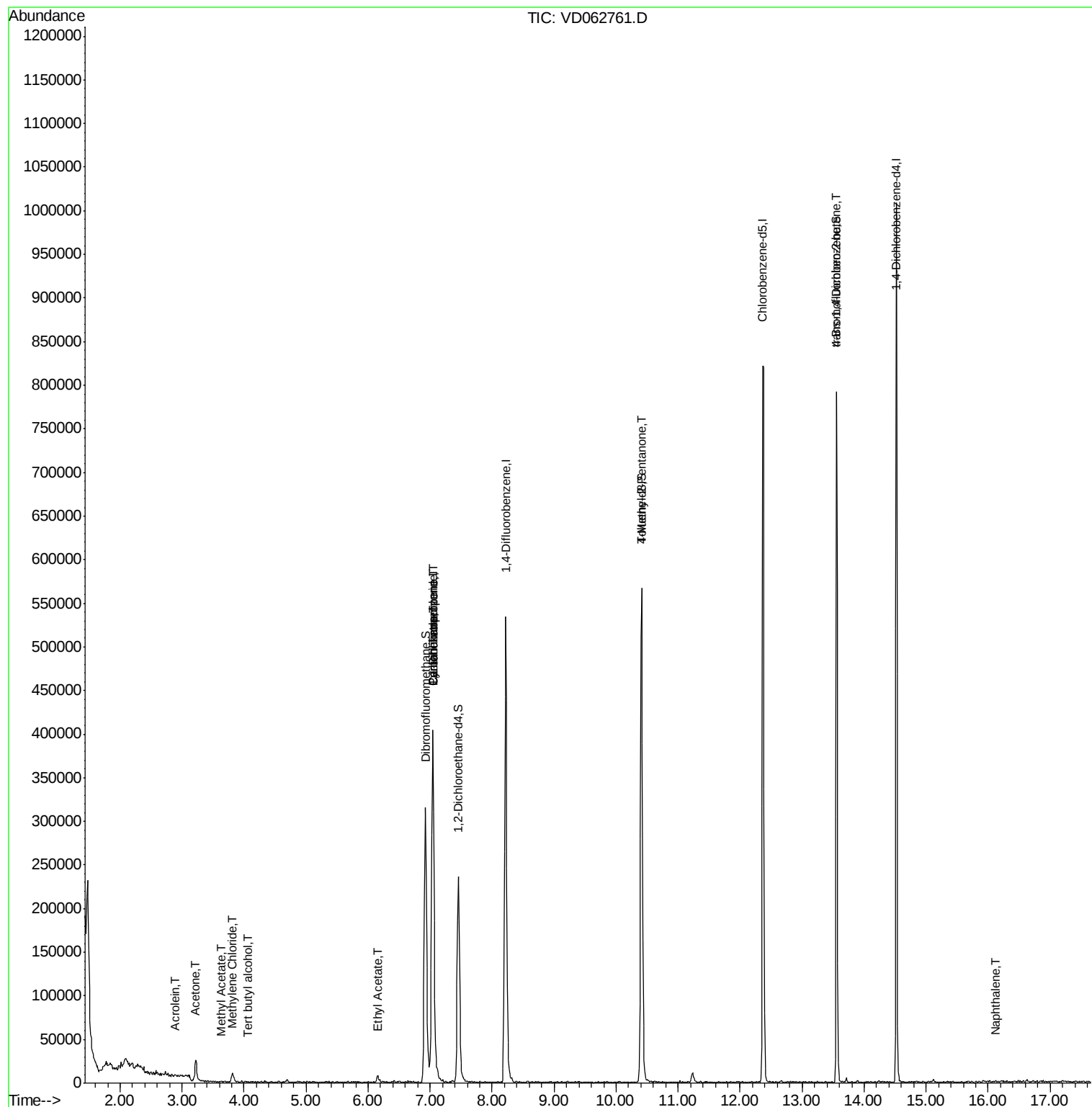
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.07	59	527	2.372	ug/l #	61
13) Acrolein	2.88	56	193	2.701	ug/l #	12
16) Acetone	3.22	43	45072	45.545	ug/l	99
18) Methyl Acetate	3.64	43	1775	1.091	ug/l #	64
20) Methylene Chloride	3.80	84	5383	1.007	ug/l #	61
31) Cyclohexane	7.04	56	9282	2.176	ug/l #	38
36) 1,1-Dichloropropene	7.05	75	28547	4.698	ug/l #	51
37) Ethyl Acetate	6.15	43	192	1.273	ug/l #	74
38) Carbon Tetrachloride	7.04	117	39976	4.162	ug/l #	16
51) 4-Methyl-2-Pentanone	10.40	43	2900	1.293	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	102714	119.819	ug/l #	1
95) Naphthalene	16.12	128	1381	3.624	ug/l #	71

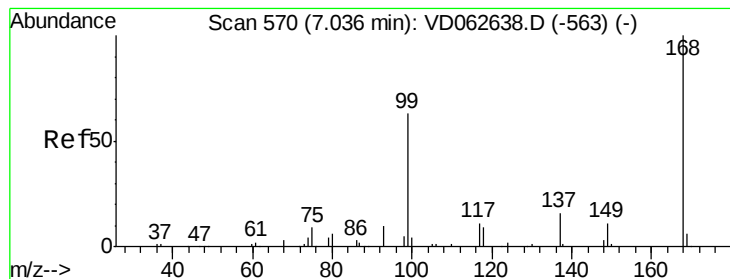
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061819\
Data File : VD062761.D
Acq On : 18 Jun 2019 20:30
Operator : VA/AP
Sample : K3154-11RE
Misc : 6.61g/5ml/MSVOA D/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jun 19 05:27:22 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 00:02:21 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD062761.D

Acq: 18 Jun 2019 20:30

Instrument :

MSVOA_D

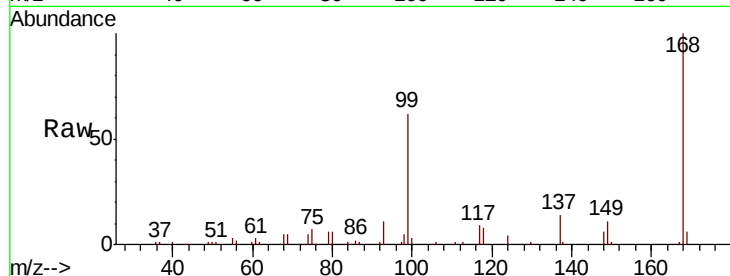
ClientSampleId :

Tot Ion:168 Resp: 374520

Ion Ratio Lower Upper

168 100

99 62.1 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

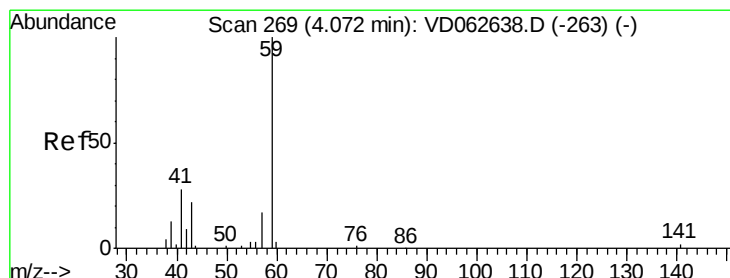
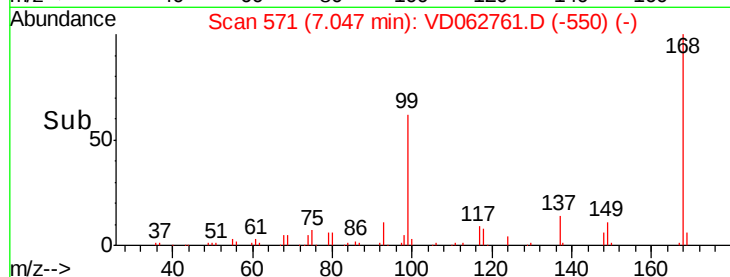
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.372 ug/l

RT: 4.07 min Scan# 269

Delta R.T. 0.00 min

Lab File: VD062761.D

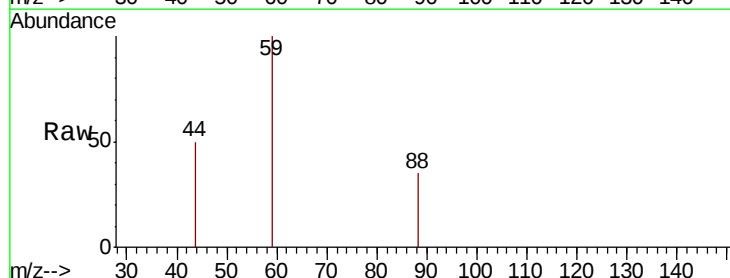
Acq: 18 Jun 2019 20:30

Tgt Ion: 59 Resp: 527

Ion Ratio Lower Upper

59 100

57 0.0 13.7 20.5#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

4.07

1000

800

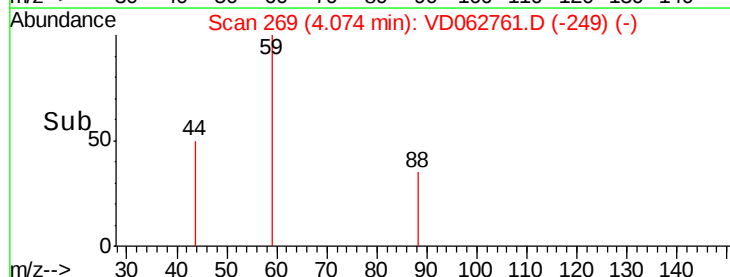
600

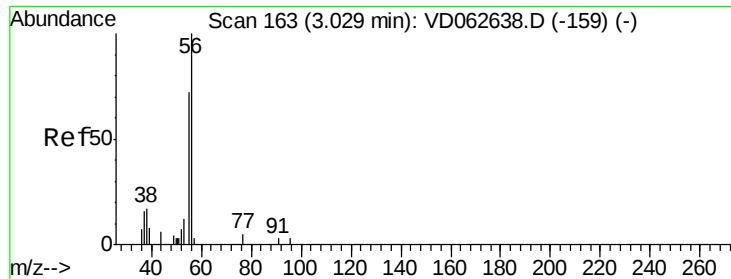
400

200

0

Time-->





#13

Acrolein

Concen: 2.701 ug/l

RT: 2.88 min Scan# 148

Delta R.T. -0.15 min

Lab File: VD062761.D

Acq: 18 Jun 2019 20:30

Instrument :

MSVOA_D

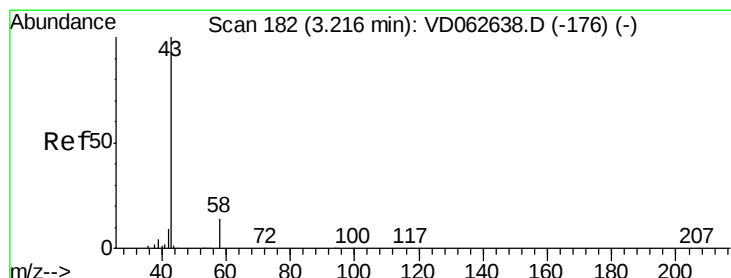
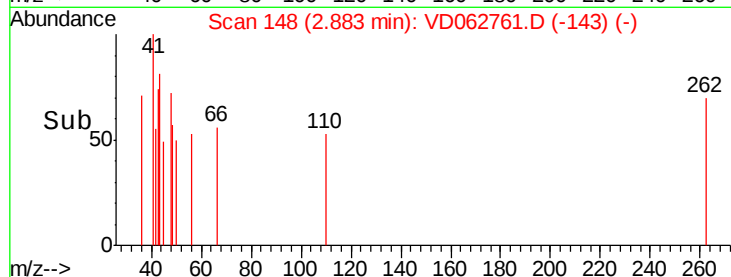
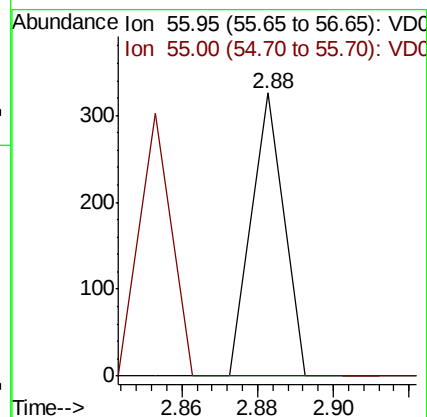
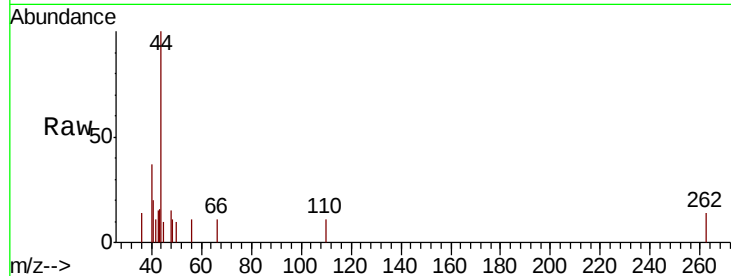
ClientSampleId :

Tot Ion: 56 Resp: 193

Ion Ratio Lower Upper

56 100

55 0.0 59.4 89.0#



#16

Acetone

Concen: 45.545 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD062761.D

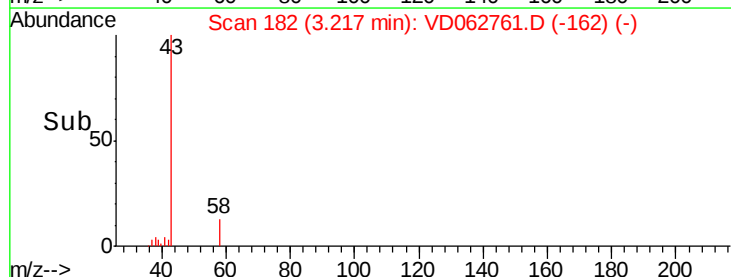
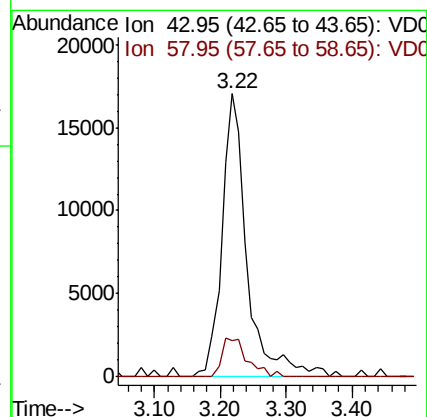
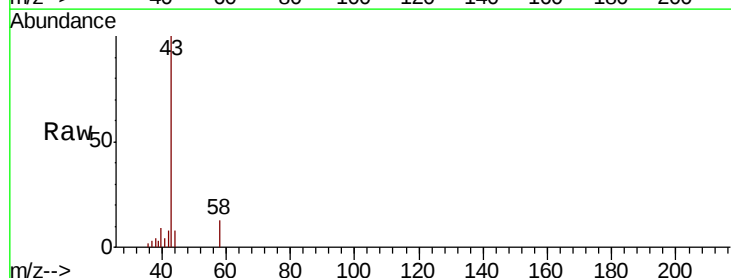
Acq: 18 Jun 2019 20:30

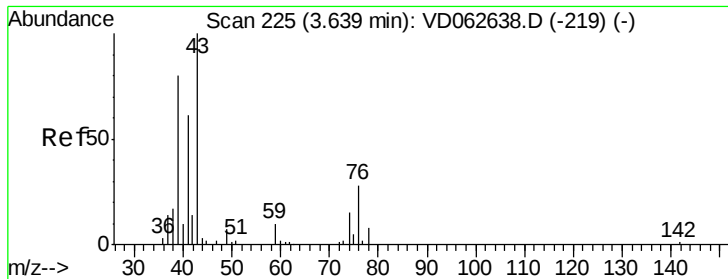
Tgt Ion: 43 Resp: 45072

Ion Ratio Lower Upper

43 100

58 12.9 10.8 16.2

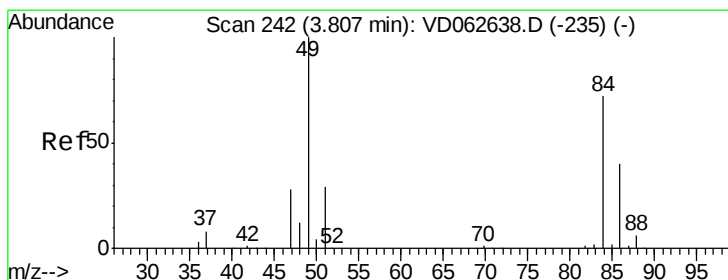
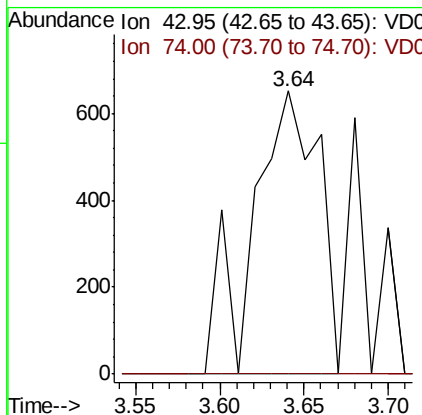
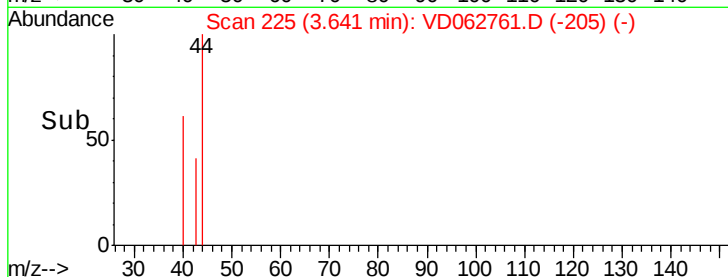
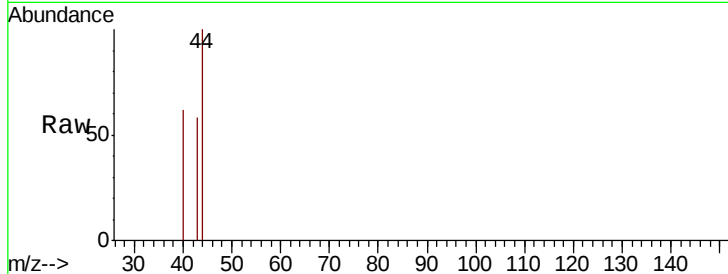




#18
Methvl Acetate
Concen: 1.091 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.00 min
Lab File: VD062761.D
Acq: 18 Jun 2019 20:30

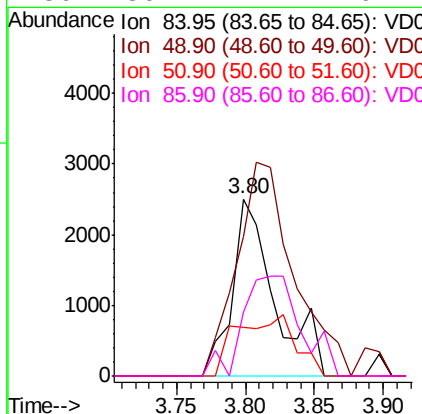
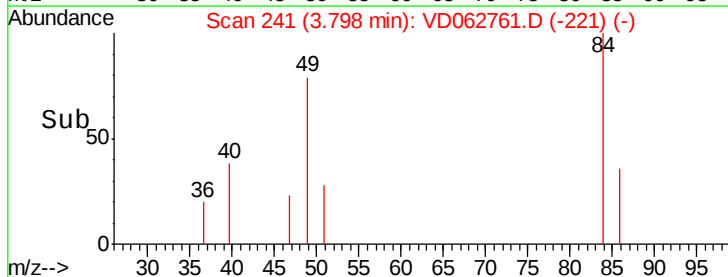
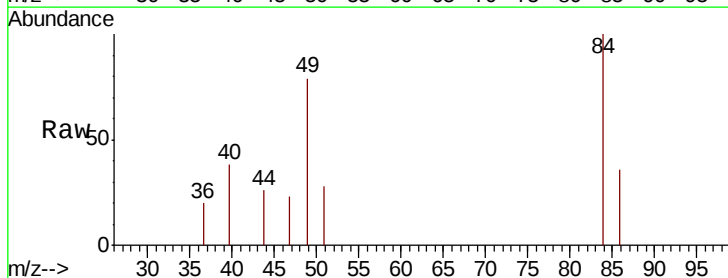
Instrument :
MSVOA_D
ClientSampleId :

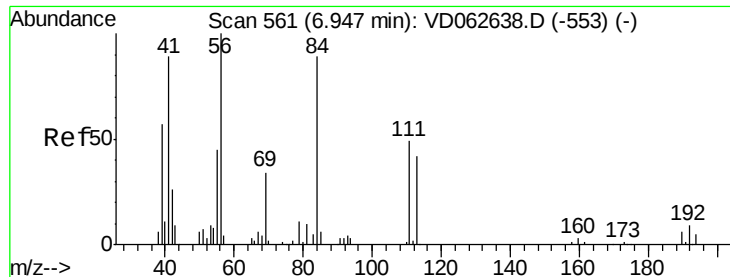
Tot Ion: 43 Resp: 1775
Ion Ratio Lower Upper
43 100
74 0.0 12.1 18.1#



#20
Methylene Chloride
Concen: 1.007 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.01 min
Lab File: VD062761.D
Acq: 18 Jun 2019 20:30

Tgt Ion: 84 Resp: 5383
Ion Ratio Lower Upper
84 100
49 79.1 111.2 166.8#
51 27.8 31.9 47.9#
86 36.2 44.7 67.1#

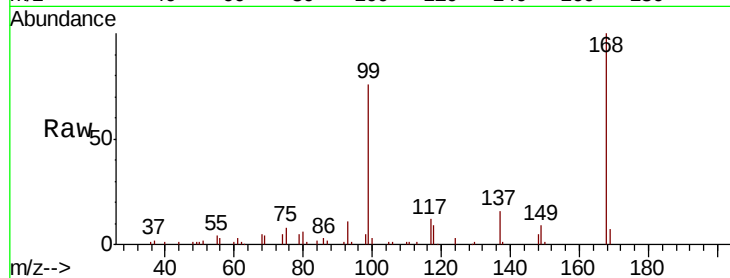




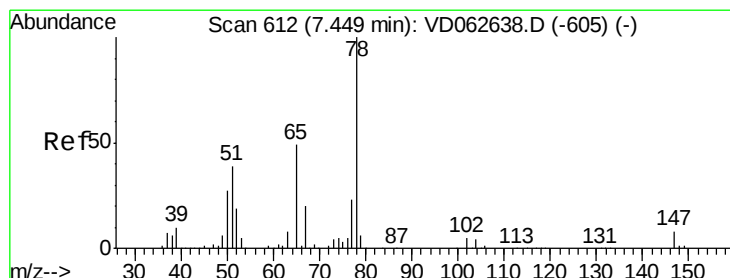
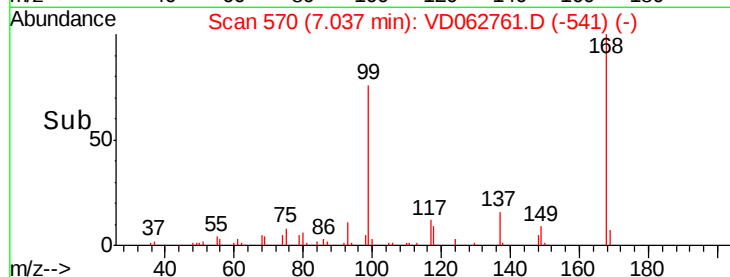
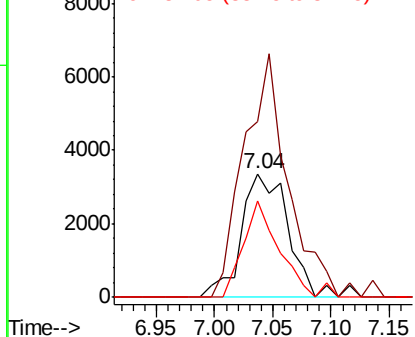
#31
Cyclohexane
Concen: 2.176 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.09 min
Lab File: VD062761.D
Acq: 18 Jun 2019 20:30

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 9282
Ion Ratio Lower Upper
56 100
69 142.3 26.8 40.2#
84 78.1 73.9 110.9

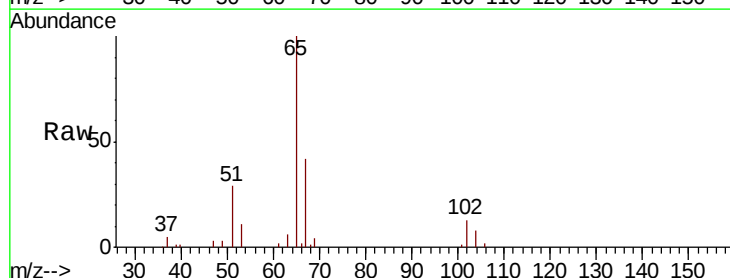


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

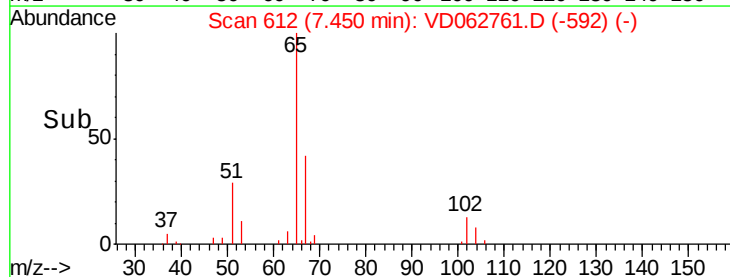
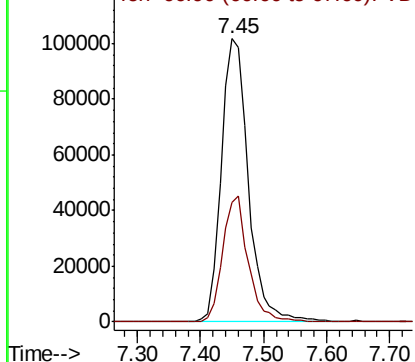


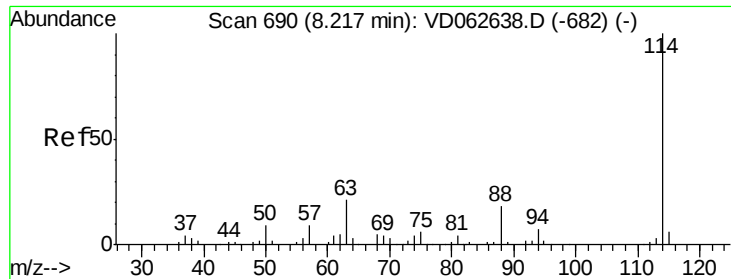
#33
1,2-Dichloroethane-d4
Concen: 56.046 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.00 min
Lab File: VD062761.D
Acq: 18 Jun 2019 20:30

Tgt Ion: 65 Resp: 302889
Ion Ratio Lower Upper
65 100
67 42.4 0.0 81.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

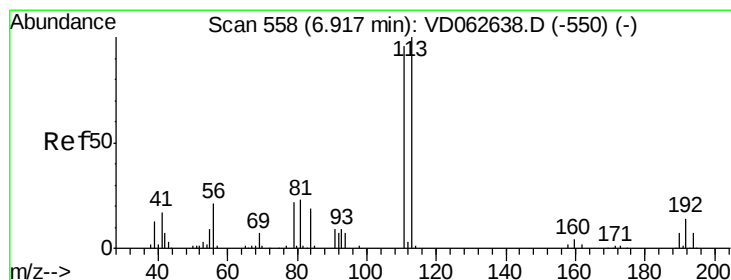
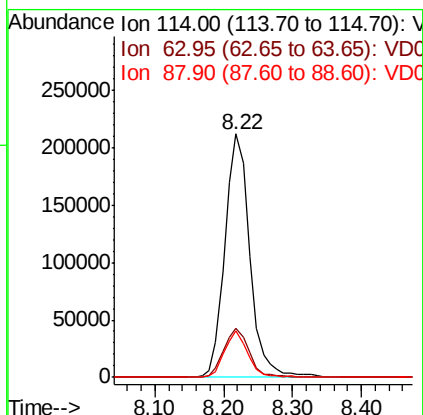
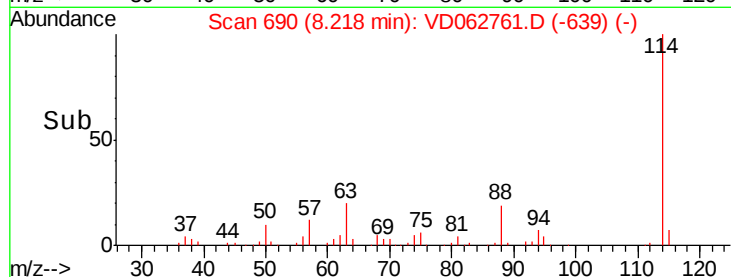
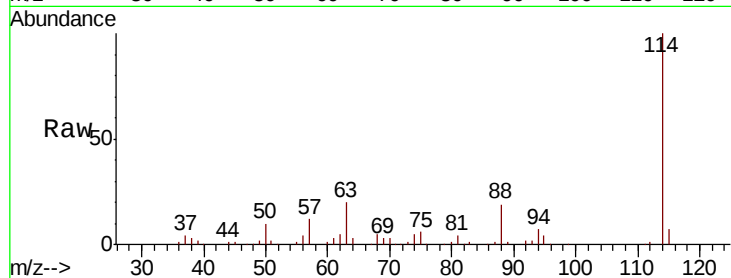




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.22 min Scan# 690
Delta R.T. 0.00 min
Lab File: VD062761.D
Acq: 18 Jun 2019 20:30

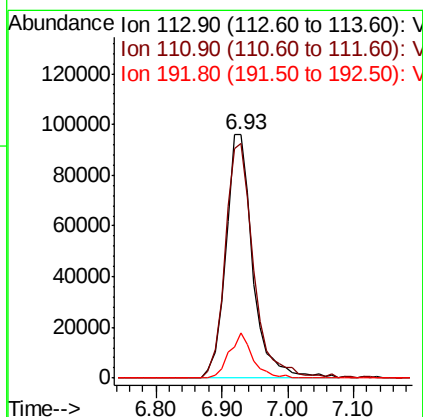
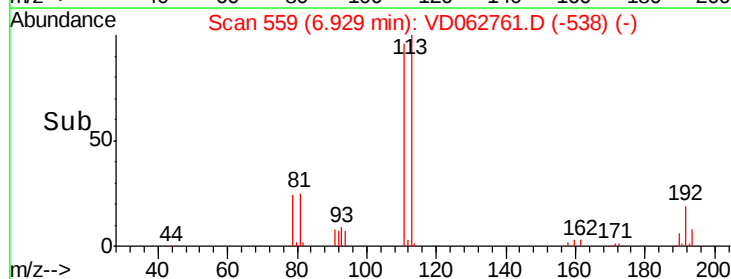
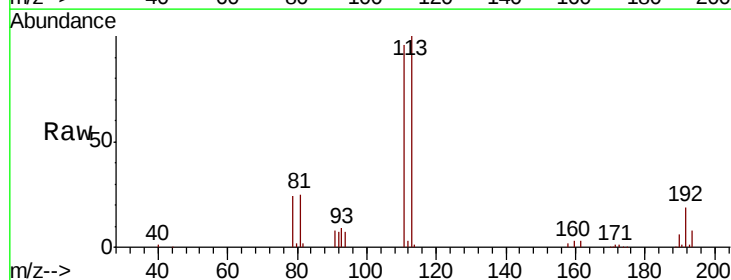
Instrument :
MSVOA_D
ClientSampled :

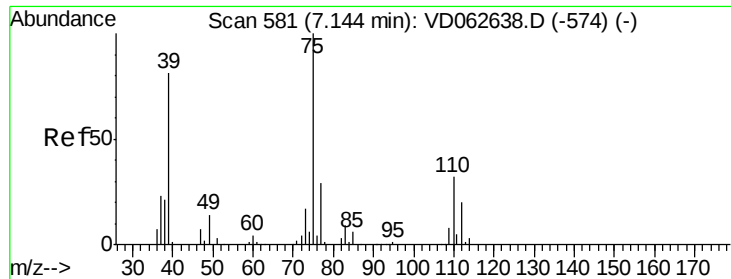
Tot Ion:114 Resp: 530951
Ion Ratio Lower Upper
114 100
63 20.4 0.0 42.4
88 19.3 0.0 36.8



#35
Dibromofluoromethane
Concen: 48.945 ug/l
RT: 6.93 min Scan# 559
Delta R.T. 0.01 min
Lab File: VD062761.D
Acq: 18 Jun 2019 20:30

Tgt Ion:113 Resp: 274071
Ion Ratio Lower Upper
113 100
111 96.5 76.4 114.6
192 18.5 11.4 17.0#

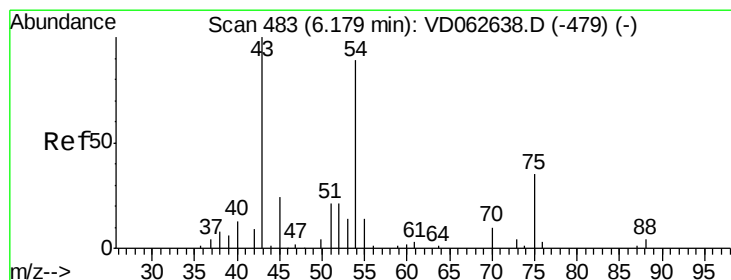
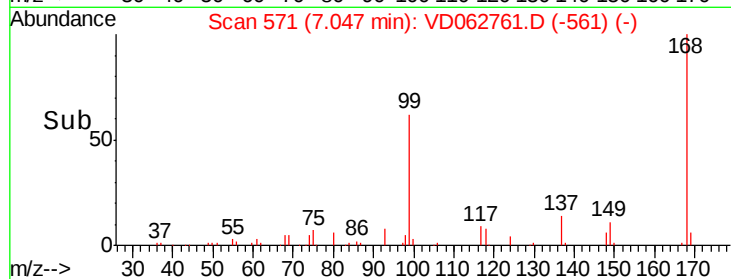
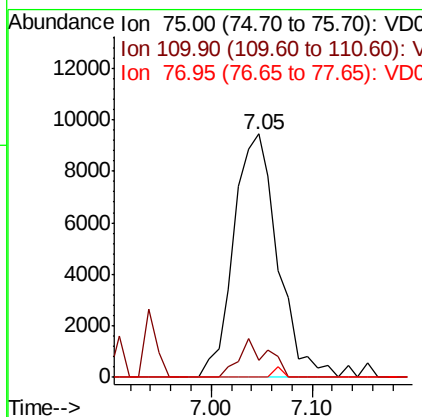
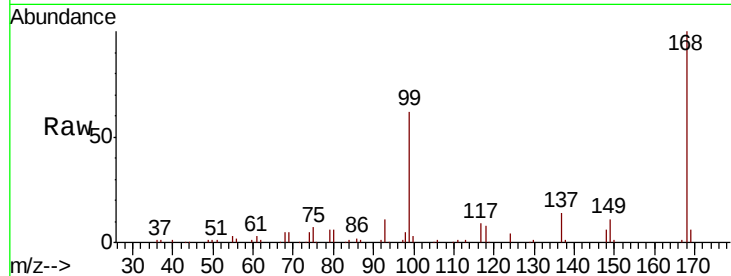




#36
 1,1-Dichloropropene
 Concen: 4.698 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.10 min
 Lab File: VD062761.D
 Acq: 18 Jun 2019 20:30

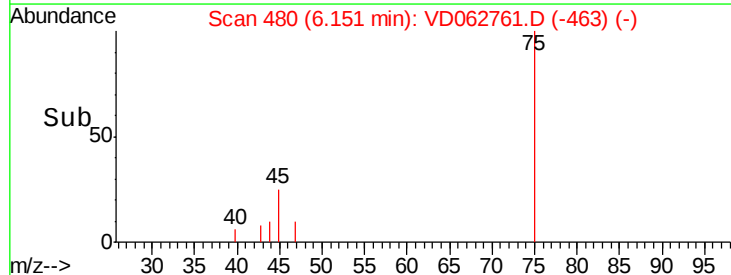
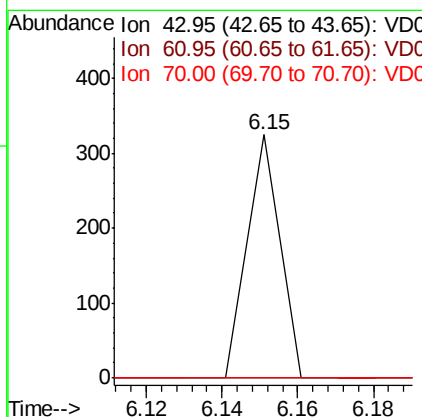
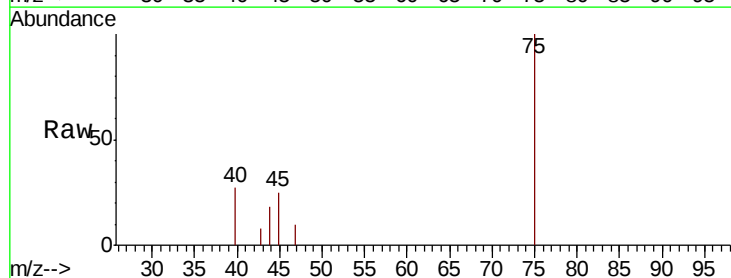
Instrument :
 MSVOA_D
 ClientSampleId :

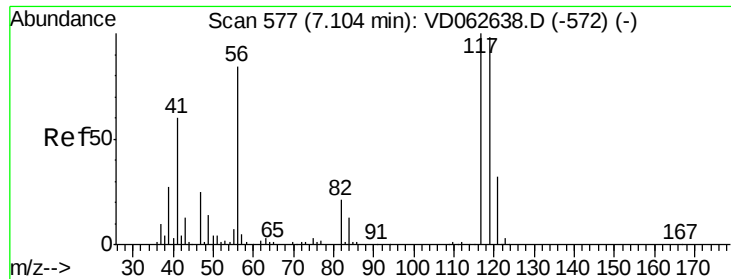
Tot Ion	Ratio	Lower	Upper
75	100		
110	6.9	15.9	47.7#
77	0.0	23.3	34.9#



#37
 Ethyl Acetate
 Concen: 1.273 ug/l
 RT: 6.15 min Scan# 480
 Delta R.T. -0.03 min
 Lab File: VD062761.D
 Acq: 18 Jun 2019 20:30

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	8.7	13.1#
70	0.0	6.5	9.7#

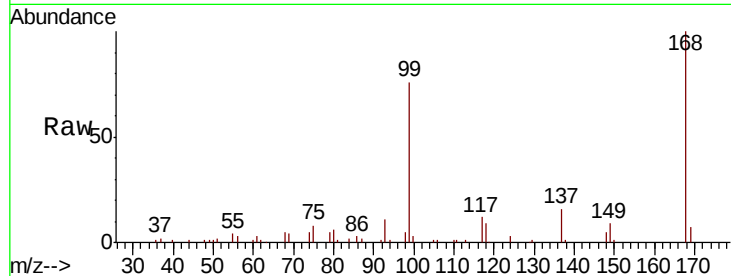




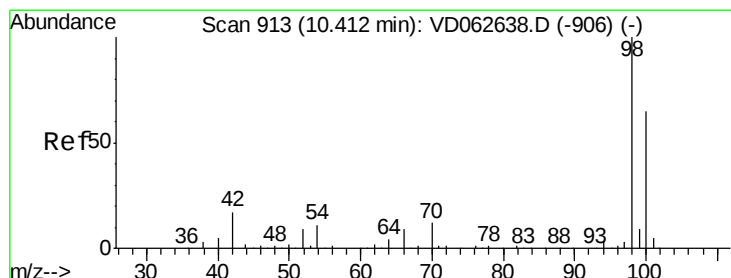
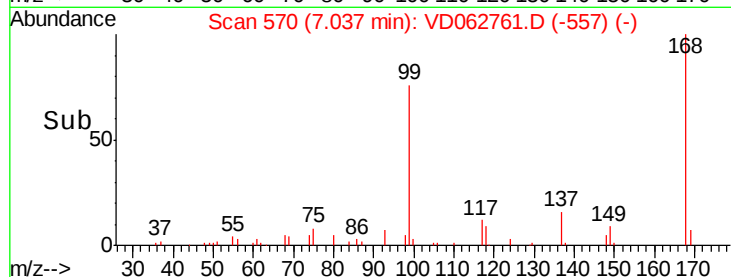
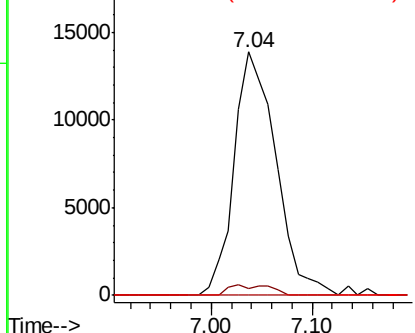
#38
Carbon Tetrachloride
Concen: 4.162 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.07 min
Lab File: VD062761.D
Acq: 18 Jun 2019 20:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 39976
Ion Ratio Lower Upper
117 100
119 2.9 73.5 110.3#
121 0.0 24.2 36.4#

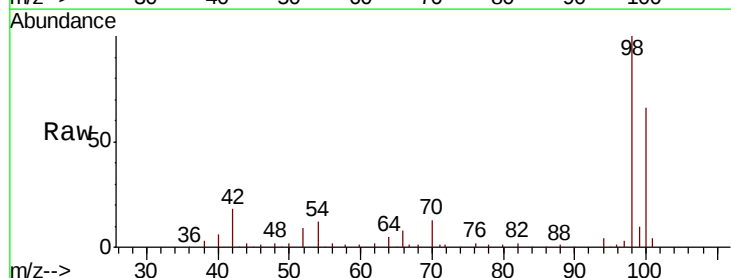


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

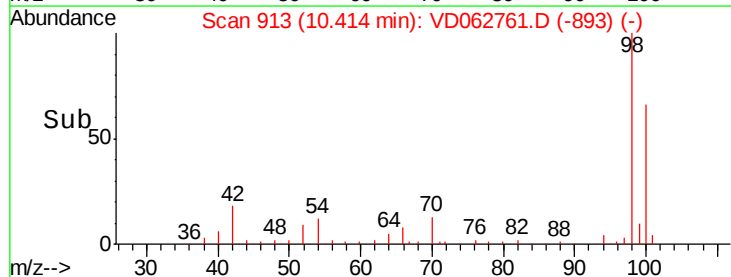
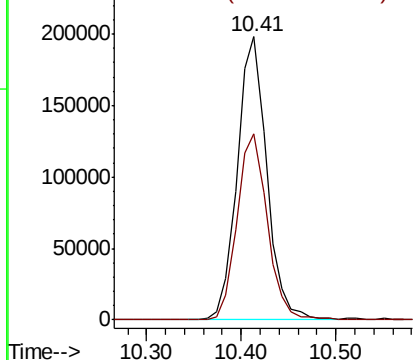


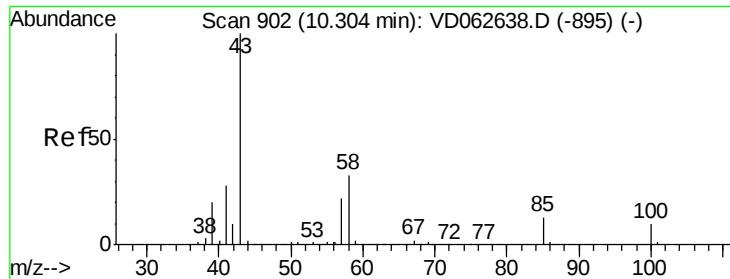
#50
Toluene-d8
Concen: 36.413 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD062761.D
Acq: 18 Jun 2019 20:30

Tgt Ion: 98 Resp: 428928
Ion Ratio Lower Upper
98 100
100 65.7 52.1 78.1



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





#51

4-Methyl-2-Pentanone

Concen: 1.293 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.10 min

Lab File: VD062761.D

Acq: 18 Jun 2019 20:30

Instrument :

MSVOA_D

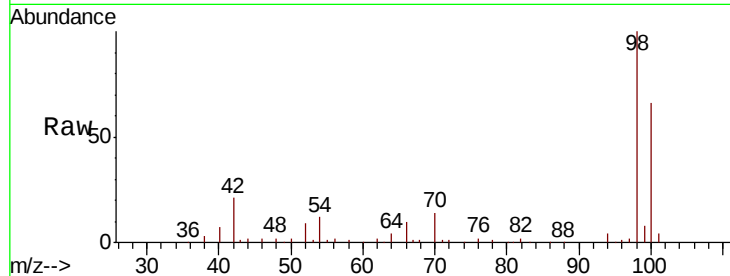
ClientSampleId :

Tot Ion: 43 Resp: 2900

Ion Ratio Lower Upper

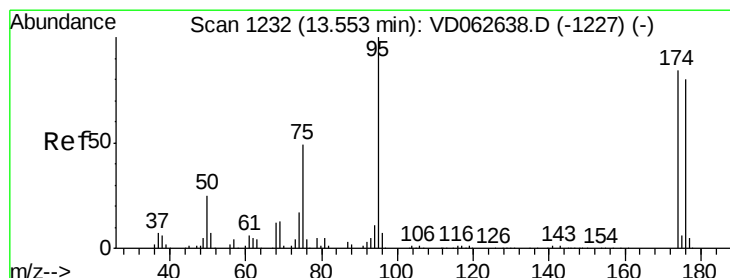
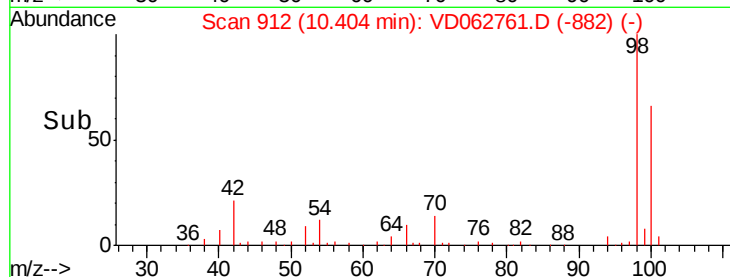
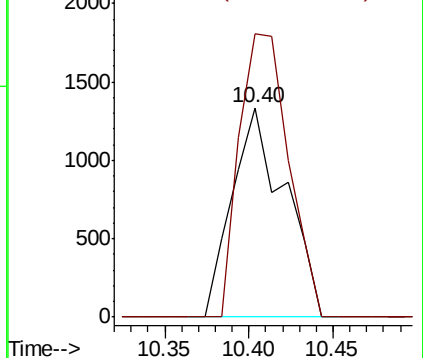
43 100

58 135.1 26.1 39.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: 38.535 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD062761.D

Acq: 18 Jun 2019 20:30

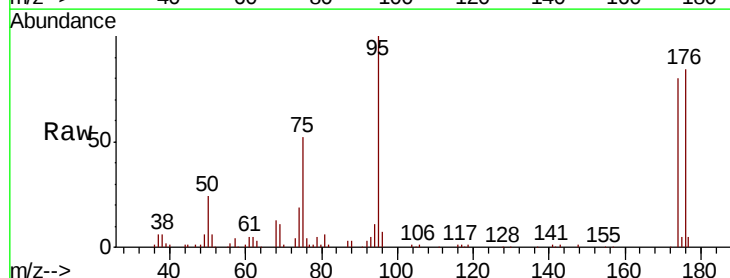
Tgt Ion: 95 Resp: 211773

Ion Ratio Lower Upper

95 100

174 80.2 0.0 167.0

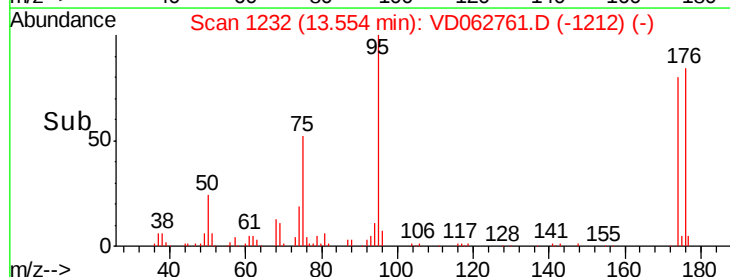
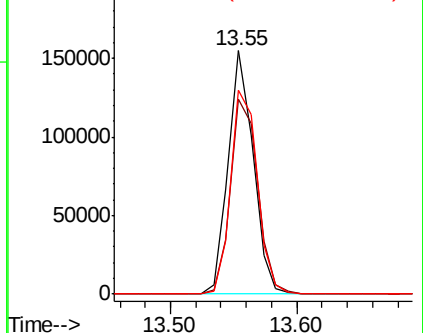
176 83.5 0.0 159.2

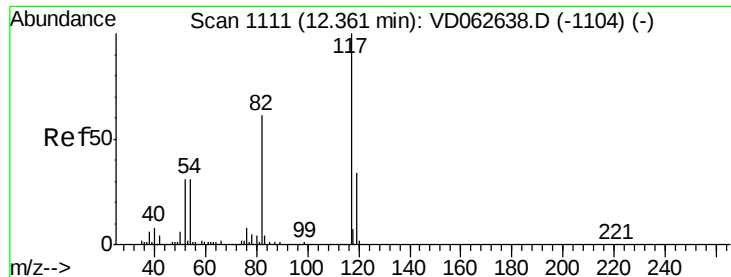


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

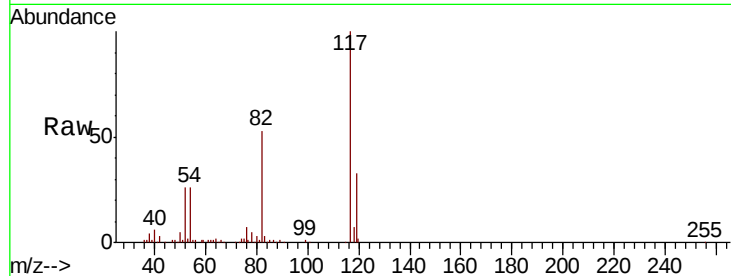




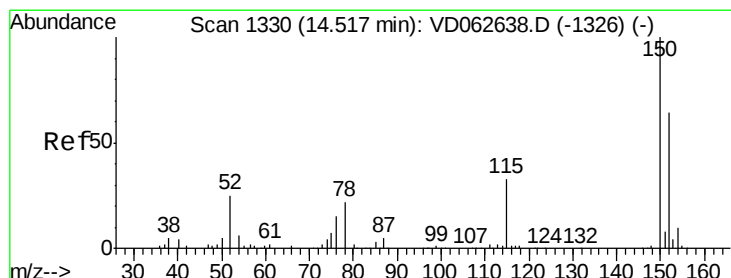
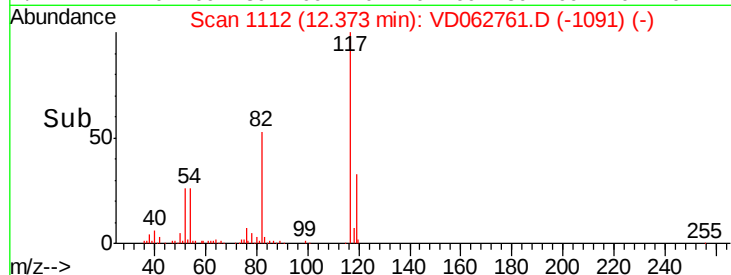
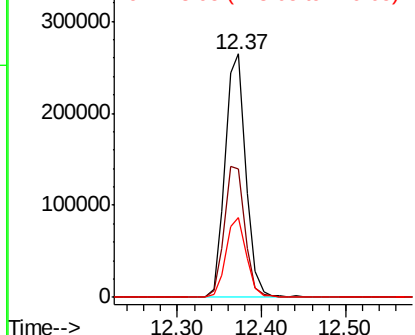
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062761.D
Acq: 18 Jun 2019 20:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 452404
Ion Ratio Lower Upper
117 100
82 52.5 48.7 73.1
119 32.6 27.0 40.6

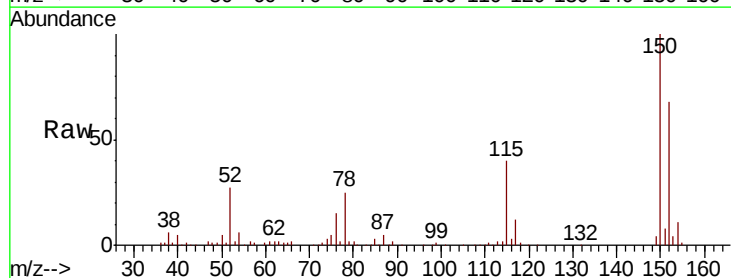


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

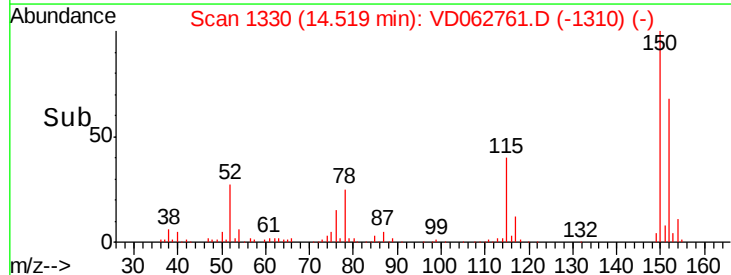
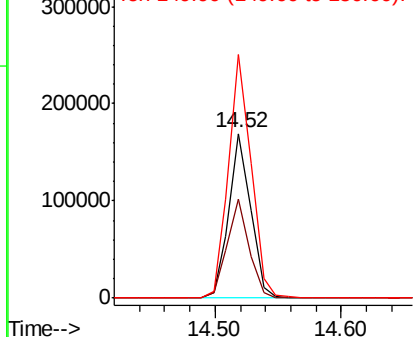


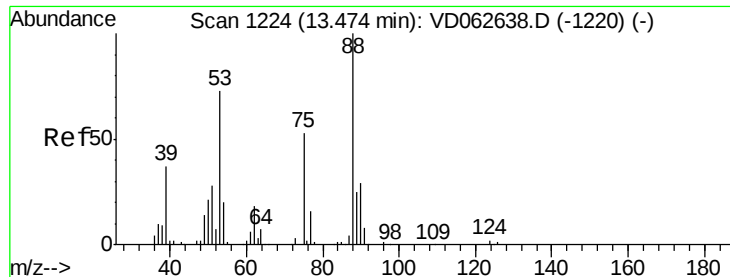
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD062761.D
Acq: 18 Jun 2019 20:30

Tgt Ion:152 Resp: 203189
Ion Ratio Lower Upper
152 100
115 59.8 30.1 90.5
150 148.0 0.0 314.0



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

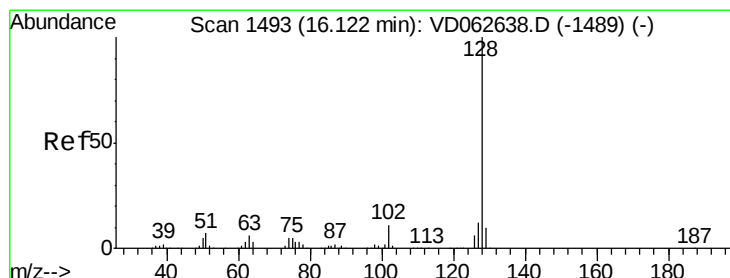
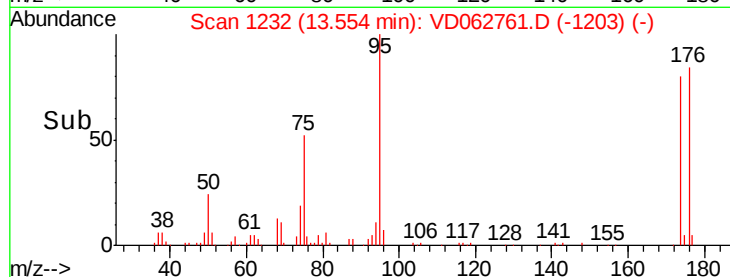
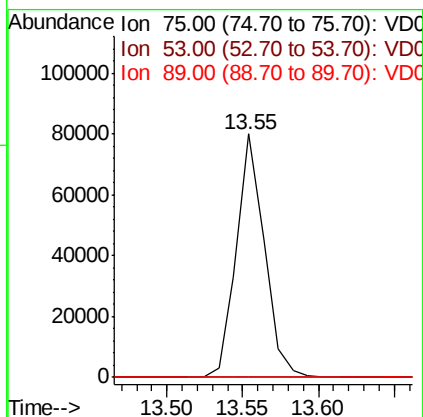
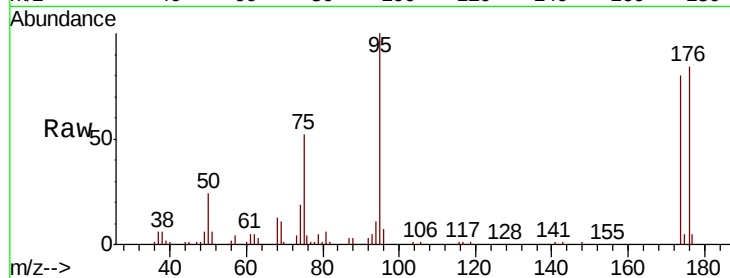




#81
trans-1,4-Dichloro-2-butene
Concen: 119.819 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.08 min
Lab File: VD062761.D
Acq: 18 Jun 2019 20:30

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 75 Resp: 102714
Ion Ratio Lower Upper
75 100
53 0.0 109.4 164.2#
89 0.0 37.0 55.6#



#95
Naphthalene
Concen: 3.624 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062761.D
Acq: 18 Jun 2019 20:30

Tgt Ion:128 Resp: 1381
Ion Ratio Lower Upper
128 100
127 0.0 9.7 14.5#
129 0.0 8.1 12.1#

