

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062019\
 Data File : VD062789.D
 Acq On : 20 Jun 2019 13:05
 Operator : VA/AP
 Sample : K3447-01
 Misc : 5.04g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 21 06:33:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	273218	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.25	114	397759	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	373735	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	219845	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.48	65	212811	71.66	ug/l	0.02
Spiked Amount			Recovery	=	143.32%	
35) Dibromofluoromethane	6.96	113	179846	53.62	ug/l	0.03
Spiked Amount			Recovery	=	107.24%	
50) Toluene-d8	10.43	98	353566	48.44	ug/l	0.02
Spiked Amount			Recovery	=	96.88%	
62) 4-Bromofluorobenzene	13.57	95	172849	52.08	ug/l	0.02
Spiked Amount			Recovery	=	104.16%	

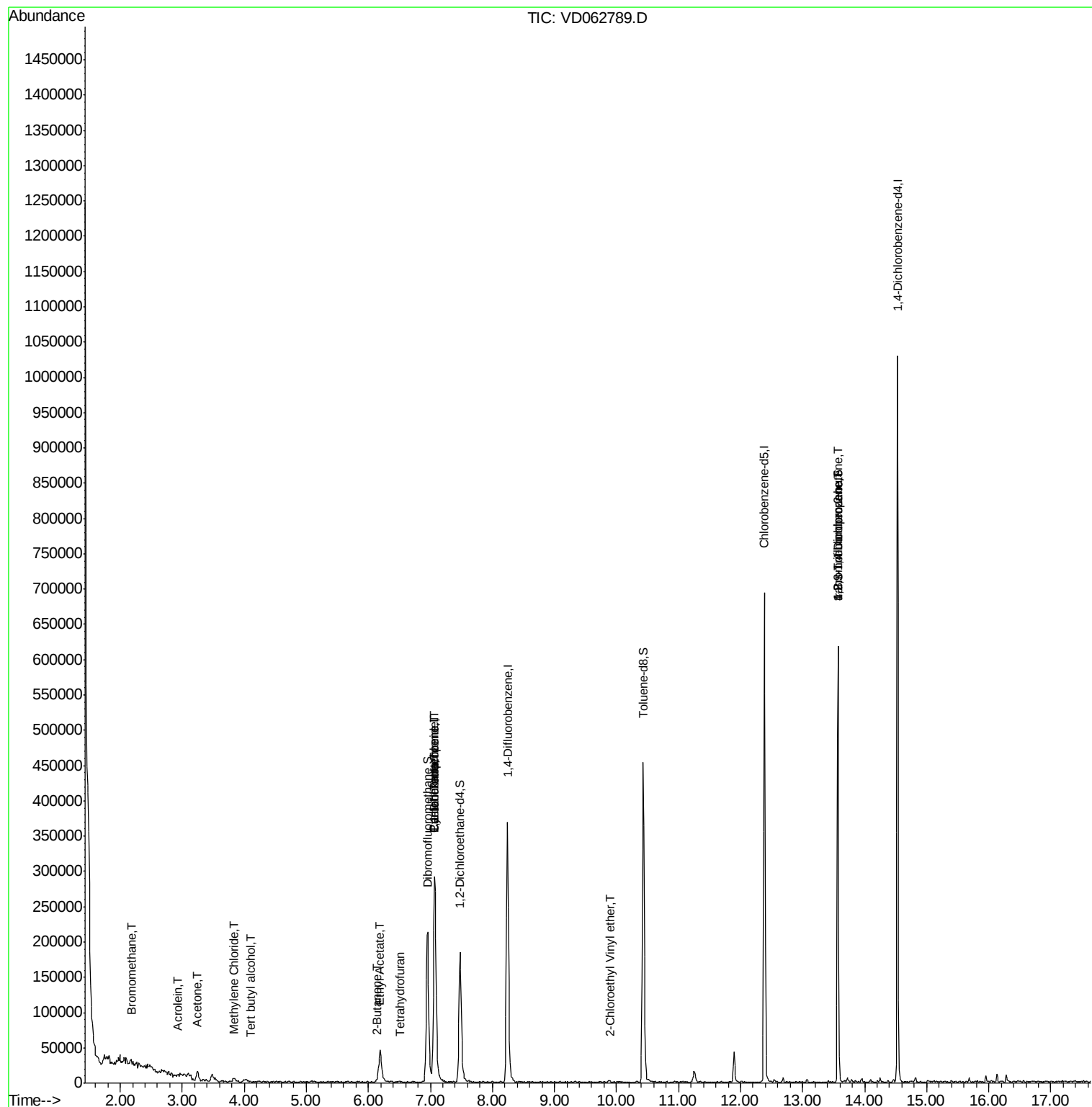
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.17	94	2062	1.670	ug/l #	21
11) Tert butyl alcohol	4.10	59	195	1.442	ug/l #	77
13) Acrolein	2.92	56	207	1.499	ug/l #	77
16) Acetone	3.25	43	28302	41.149	ug/l #	92
20) Methylene Chloride	3.84	84	2572	1.136	ug/l #	83
25) 2-Butanone	6.13	43	1363	2.454	ug/l #	64
29) Tetrahydrofuran	6.49	42	274	1.043	ug/l #	33
31) Cyclohexane	7.06	56	6573	2.357	ug/l #	25
36) 1,1-Dichloropropene	7.07	75	22025	5.849	ug/l #	51
37) Ethyl Acetate	6.19	43	3735	1.288	ug/l #	55
38) Carbon Tetrachloride	7.07	117	29793	5.261	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.89	63	1064	1.111	ug/l #	47
76) 1,2,3-Trichloropropane	13.57	75	72884	28.718	ug/l #	46
81) trans-1,4-Dichloro-2-buten	13.57	75	80858	121.562	ug/l #	2

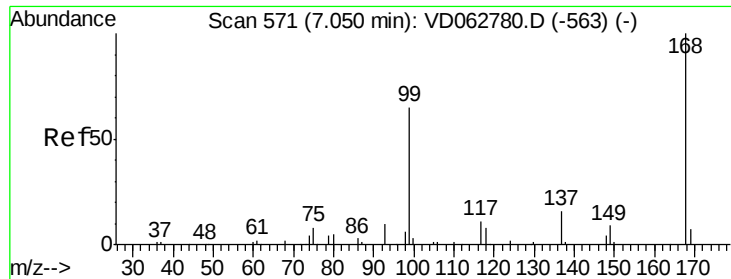
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062019\
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Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.02 min

Lab File: VD062789.D

Acq: 20 Jun 2019 13:05

Instrument :

MSVOA_D

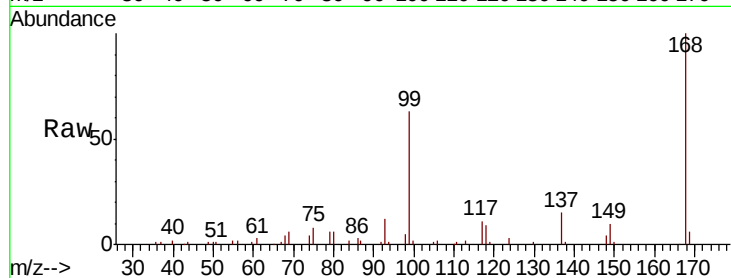
ClientSampled :

Tot Ion:168 Resp: 273218

Ion Ratio Lower Upper

168 100

99 63.0 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

100000

80000

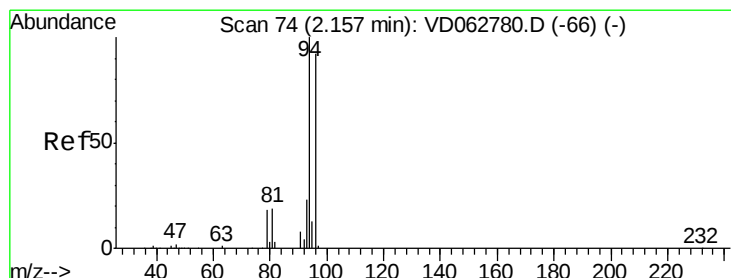
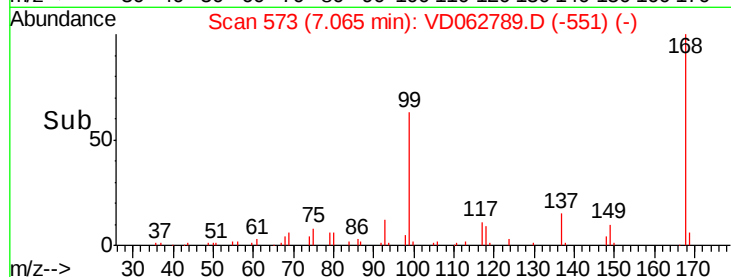
60000

40000

20000

0

Time--> 6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 1.670 ug/l

RT: 2.17 min Scan# 76

Delta R.T. 0.02 min

Lab File: VD062789.D

Acq: 20 Jun 2019 13:05

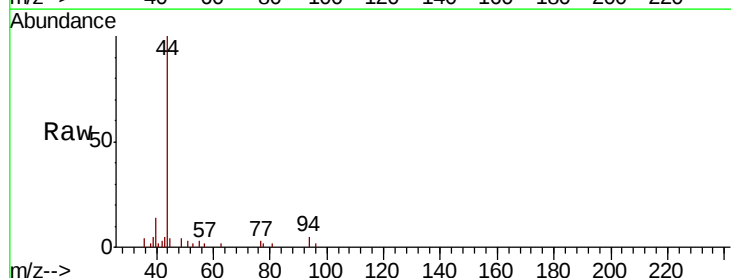
Tgt Ion: 94 Resp: 2062

Ion Ratio Lower Upper

94 100

96 35.7 73.4 110.2#

93 100.0 18.2 27.4#



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

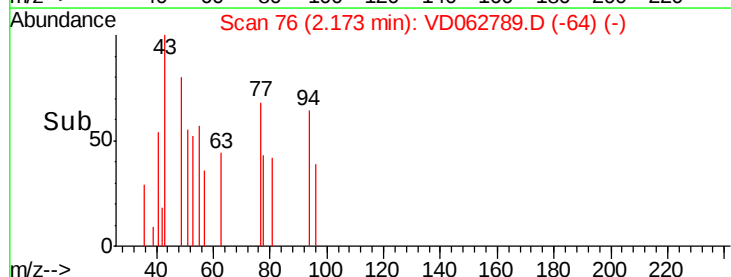
2.17

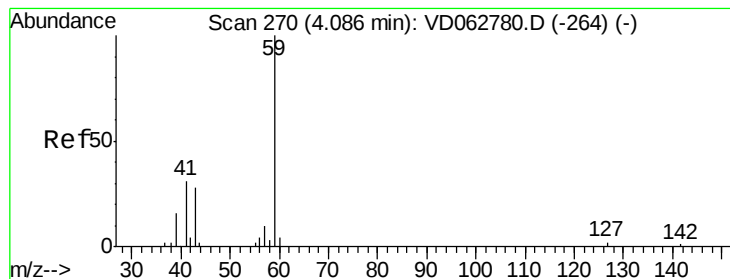
1000

500

0

Time--> 2.12 2.14 2.16 2.18 2.20



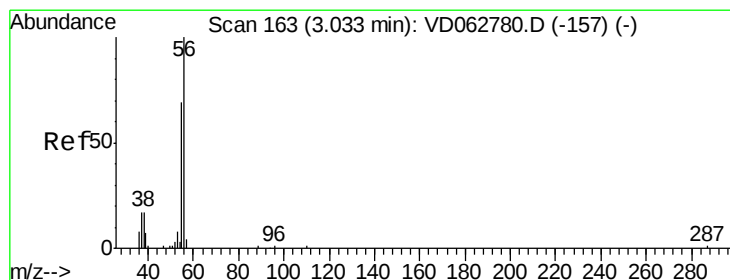
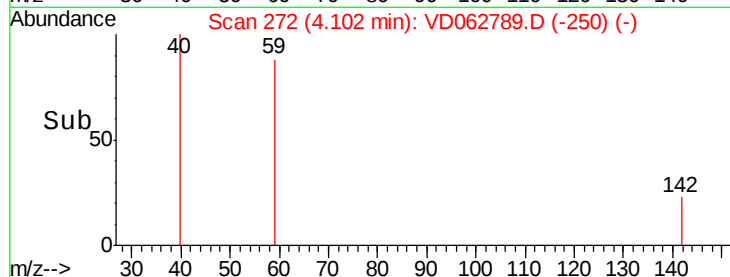
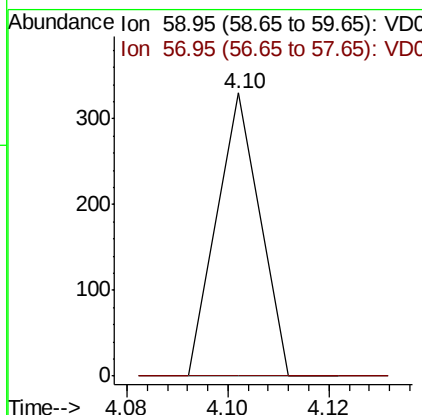
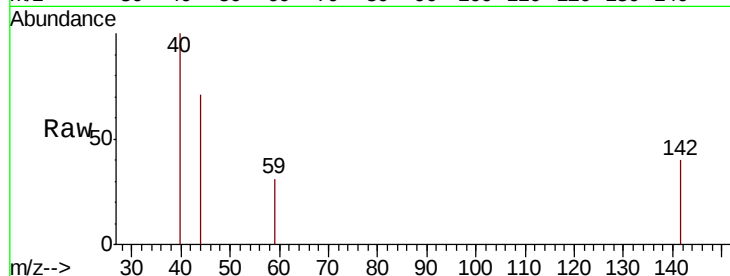


#11

Tert butyl alcohol
 Concen: 1.442 ug/l
 RT: 4.10 min Scan# 272
 Delta R.T. 0.02 min
 Lab File: VD062789.D
 Acq: 20 Jun 2019 13:05

Instrument :
 MSVOA_D
 ClientSampleId :

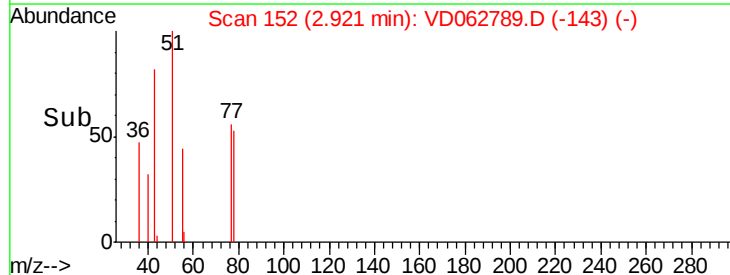
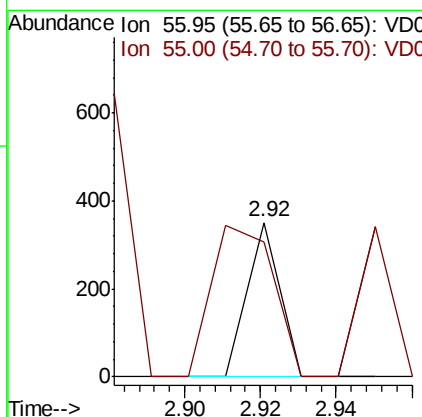
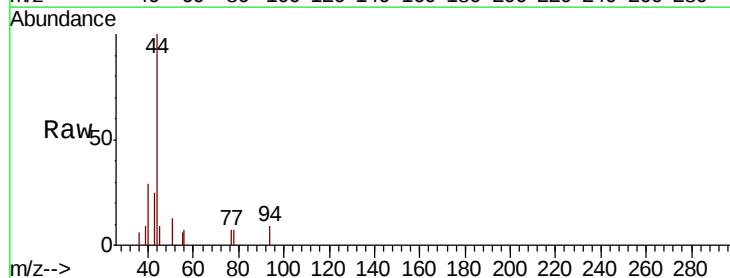
Tot Ion: 59 Resp: 195
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.6 10.0#

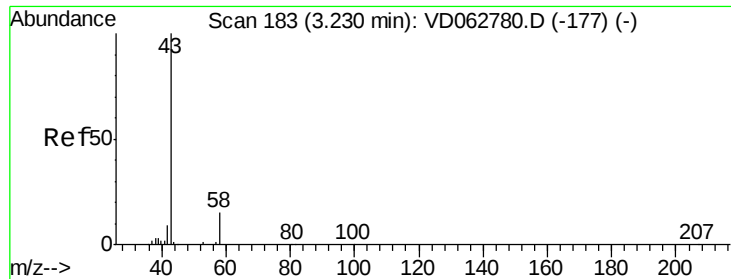


#13

Acrolein
 Concen: 1.499 ug/l
 RT: 2.92 min Scan# 152
 Delta R.T. -0.11 min
 Lab File: VD062789.D
 Acq: 20 Jun 2019 13:05

Tgt Ion: 56 Resp: 207
 Ion Ratio Lower Upper
 56 100
 55 87.7 55.4 83.0#





#16

Acetone

Concen: 41.149 ug/l

RT: 3.25 min Scan# 185

Delta R.T. 0.02 min

Lab File: VD062789.D

Acq: 20 Jun 2019 13:05

Instrument :

MSVOA_D

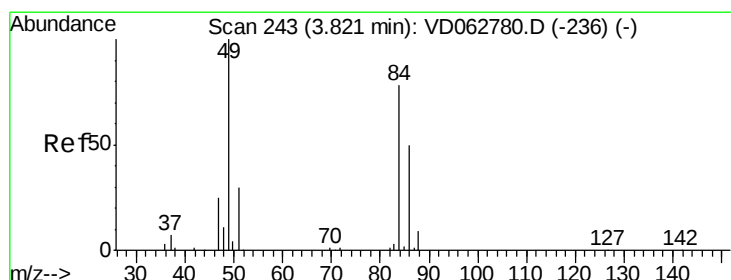
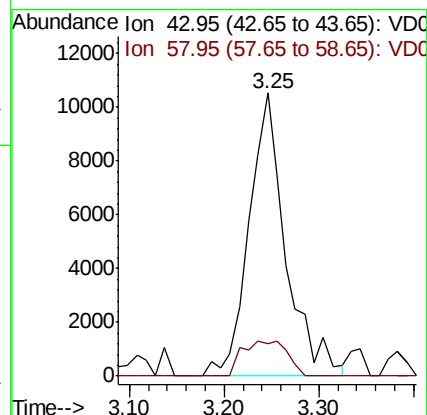
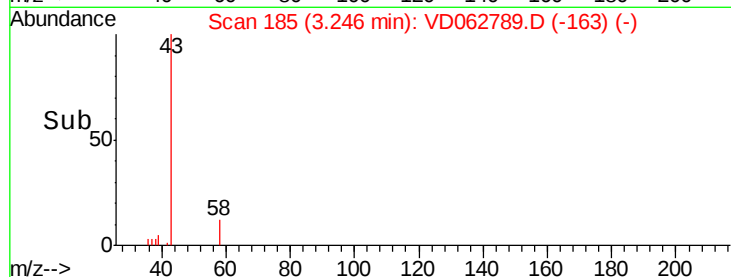
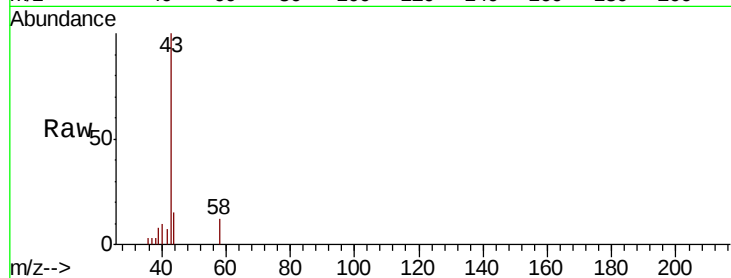
ClientSampleId :

Tot Ion: 43 Resp: 28302

Ion Ratio Lower Upper

43 100

58 11.7 11.9 17.9#



#20

Methylene Chloride

Concen: 1.136 ug/l

RT: 3.84 min Scan# 245

Delta R.T. 0.02 min

Lab File: VD062789.D

Acq: 20 Jun 2019 13:05

Tgt Ion: 84 Resp: 2572

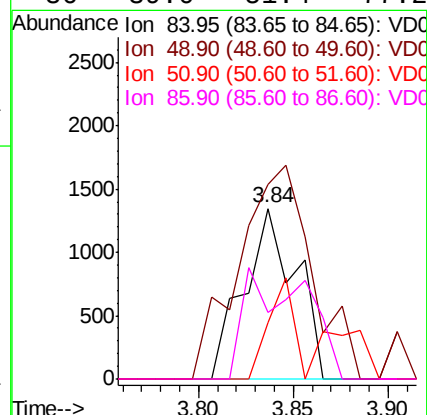
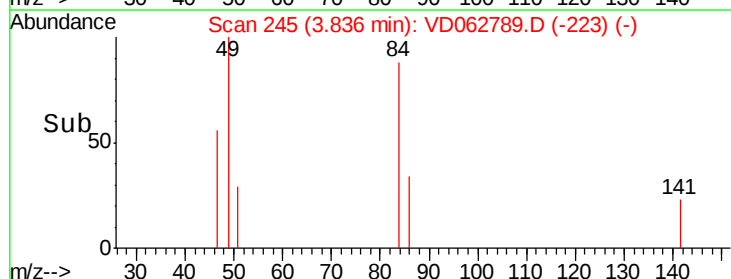
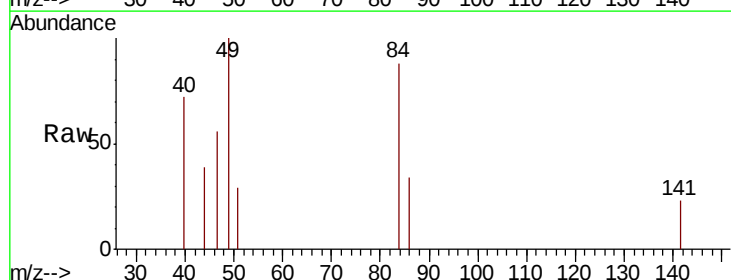
Ion Ratio Lower Upper

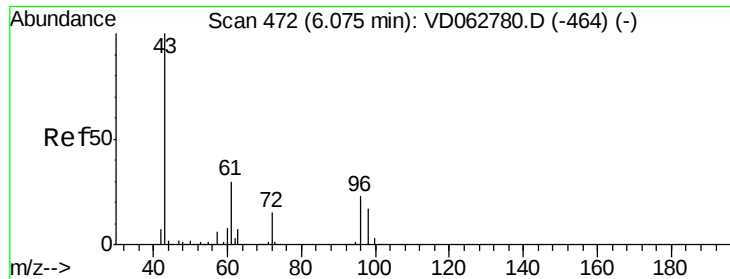
84 100

49 114.1 102.9 154.3

51 33.1 31.2 46.8

86 39.0 51.4 77.2#





#25

2-Butanone

Concen: 2.454 ug/l

RT: 6.13 min Scan# 478

Delta R.T. 0.05 min

Lab File: VD062789.D

Acq: 20 Jun 2019 13:05

Instrument :

MSVOA_D

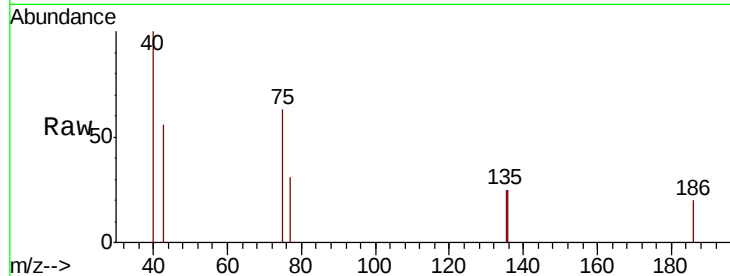
ClientSampleId :

Tot Ion: 43 Resp: 1363

Ion Ratio Lower Upper

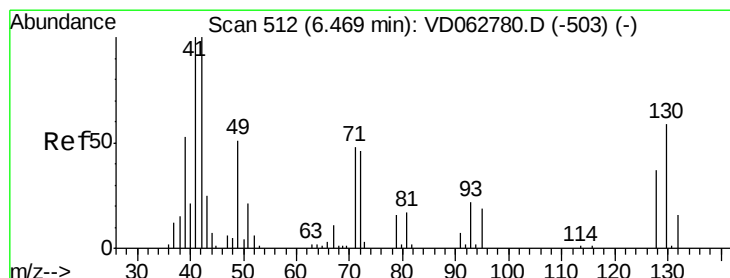
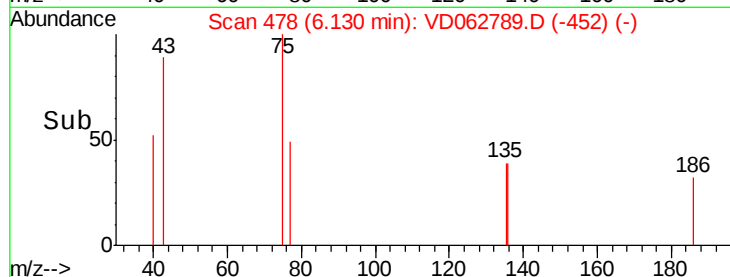
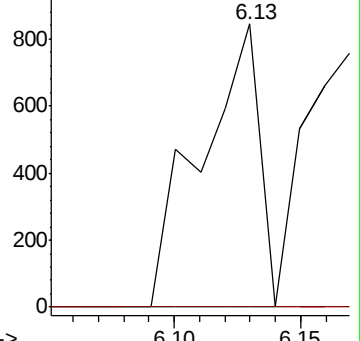
43 100

72 0.0 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.043 ug/l

RT: 6.49 min Scan# 515

Delta R.T. 0.03 min

Lab File: VD062789.D

Acq: 20 Jun 2019 13:05

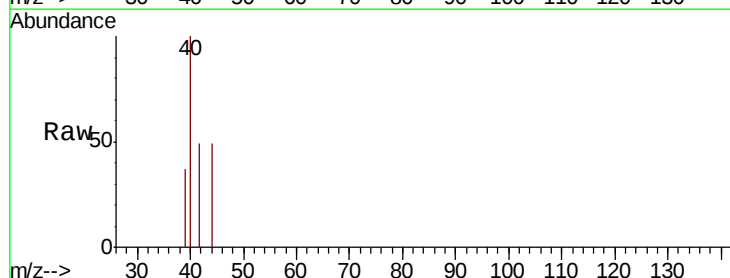
Tgt Ion: 42 Resp: 274

Ion Ratio Lower Upper

42 100

72 0.0 35.0 52.6#

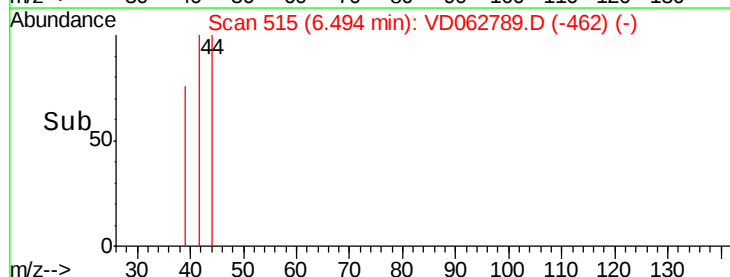
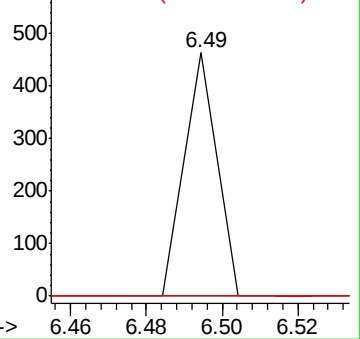
71 0.0 33.3 49.9#

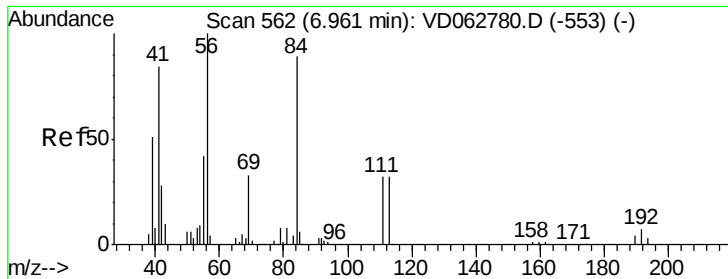


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

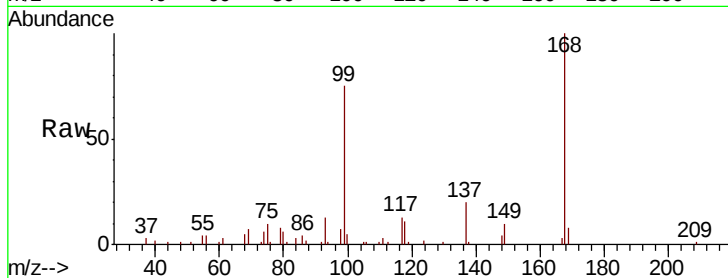




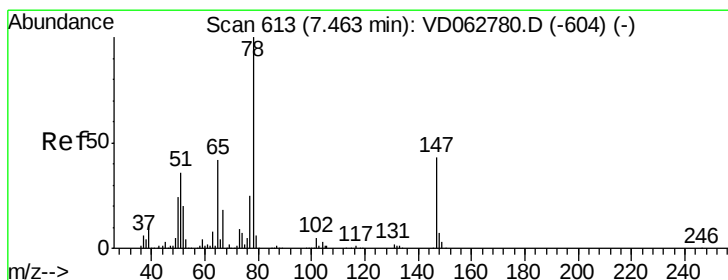
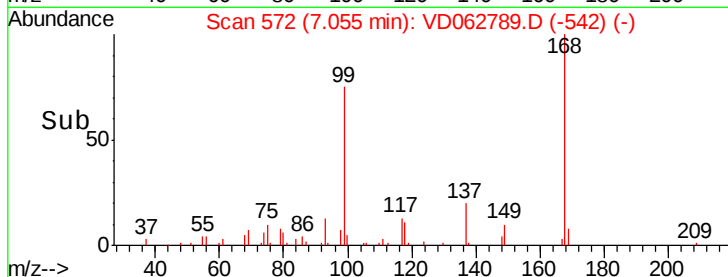
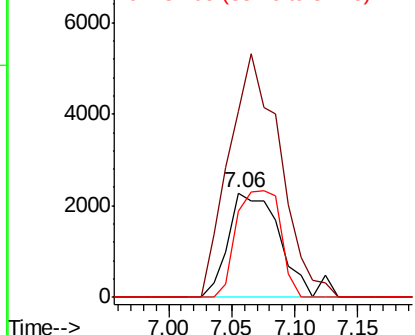
#31
Cyclohexane
Concen: 2.357 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.09 min
Lab File: VD062789.D
Acq: 20 Jun 2019 13:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 6573
Ion Ratio Lower Upper
56 100
69 178.5 26.6 39.8#
84 83.2 75.5 113.3

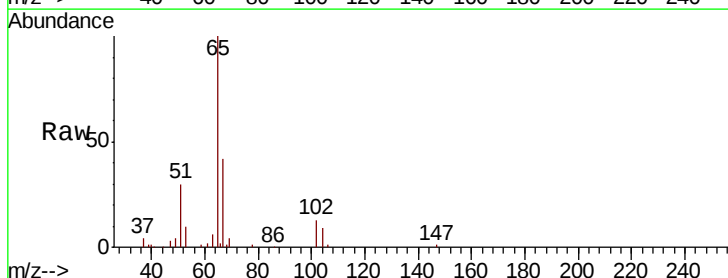


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

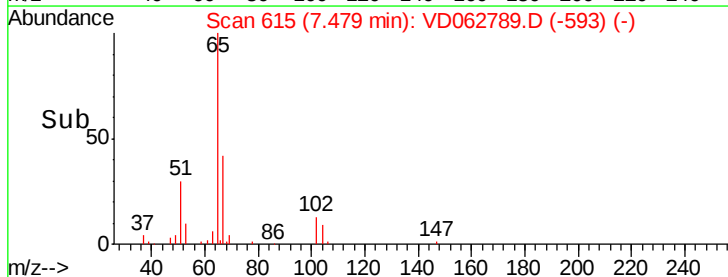
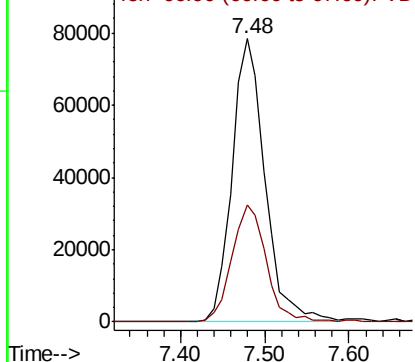


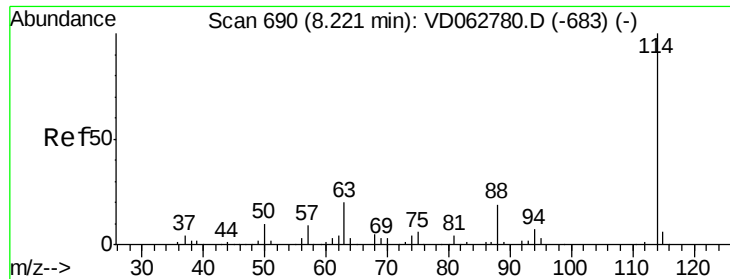
#33
1,2-Dichloroethane-d4
Concen: 71.657 ug/l
RT: 7.48 min Scan# 615
Delta R.T. 0.02 min
Lab File: VD062789.D
Acq: 20 Jun 2019 13:05

Tgt Ion: 65 Resp: 212811
Ion Ratio Lower Upper
65 100
67 41.5 0.0 87.4



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

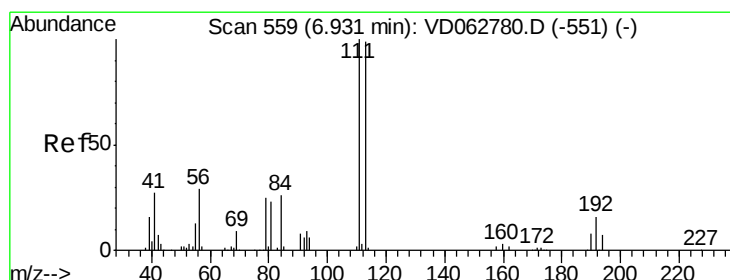
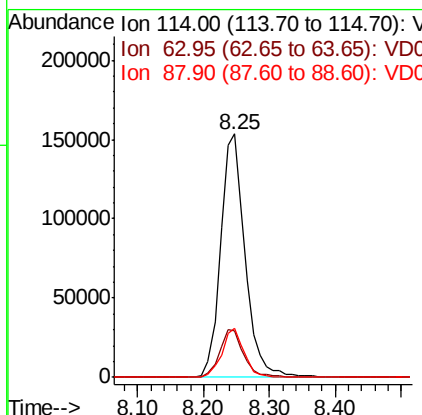
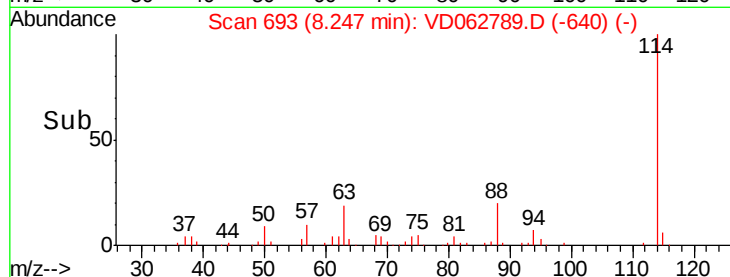
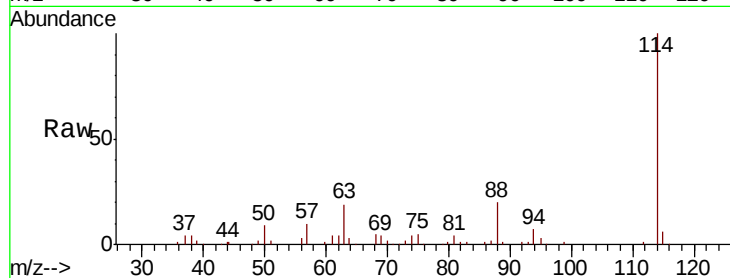




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.25 min Scan# 693
Delta R.T. 0.03 min
Lab File: VD062789.D
Acq: 20 Jun 2019 13:05

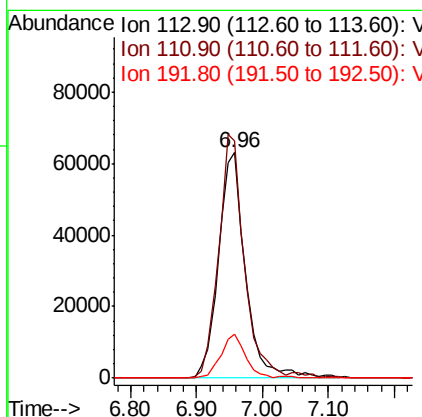
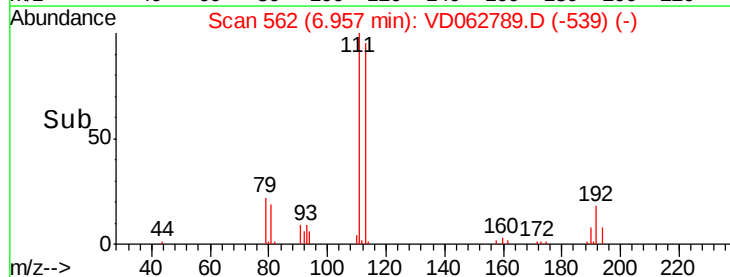
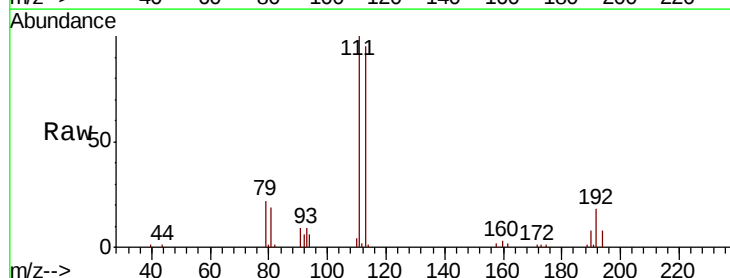
Instrument :
MSVOA_D
ClientSampleId :

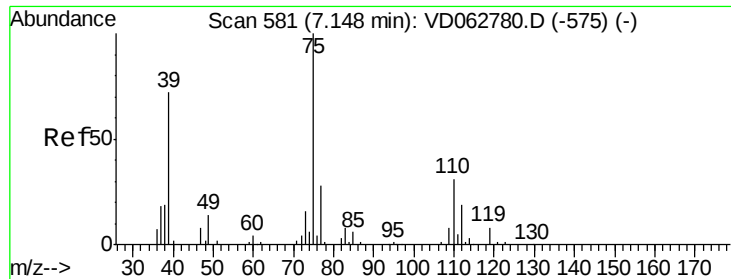
Tot Ion:114 Resp: 397759
Ion Ratio Lower Upper
114 100
63 18.9 0.0 40.0
88 20.4 0.0 38.8



#35
Dibromofluoromethane
Concen: 53.623 ug/l
RT: 6.96 min Scan# 562
Delta R.T. 0.03 min
Lab File: VD062789.D
Acq: 20 Jun 2019 13:05

Tgt Ion:113 Resp: 179846
Ion Ratio Lower Upper
113 100
111 104.9 81.2 121.8
192 19.4 12.9 19.3#

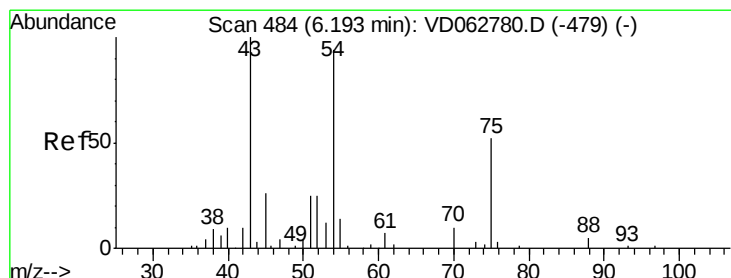
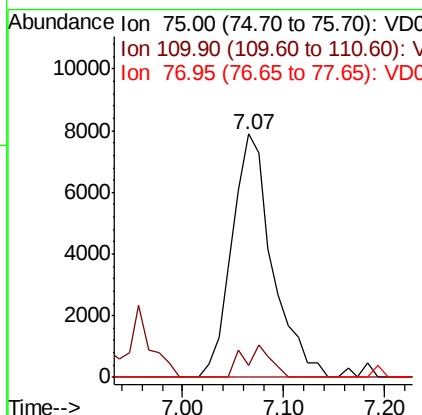
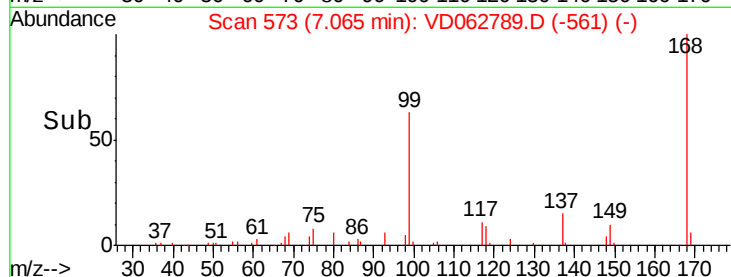
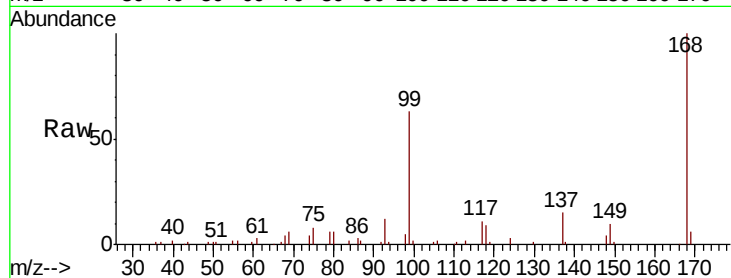




#36
 1,1-Dichloropropene
 Concen: 5.849 ug/l
 RT: 7.07 min Scan# 573
 Delta R.T. -0.08 min
 Lab File: VD062789.D
 Acq: 20 Jun 2019 13:05

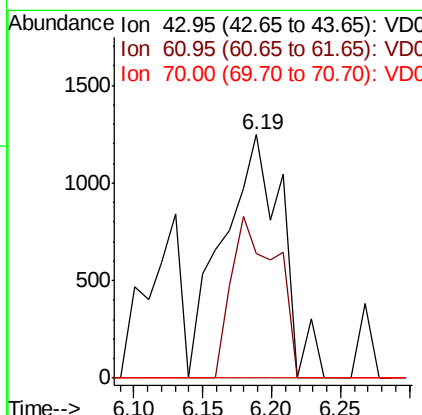
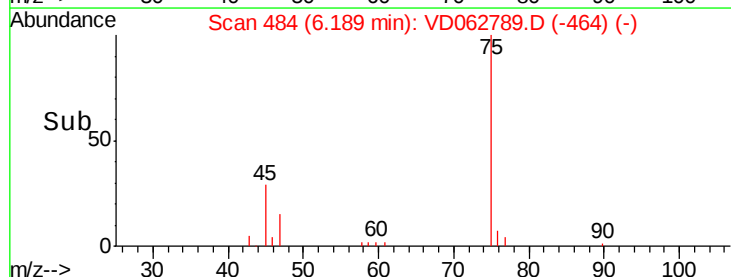
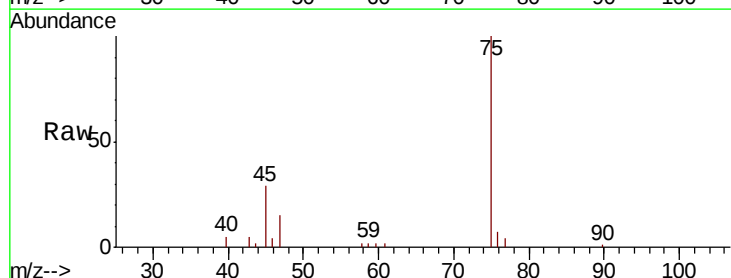
Instrument :
 MSVOA_D
 ClientSampleId :

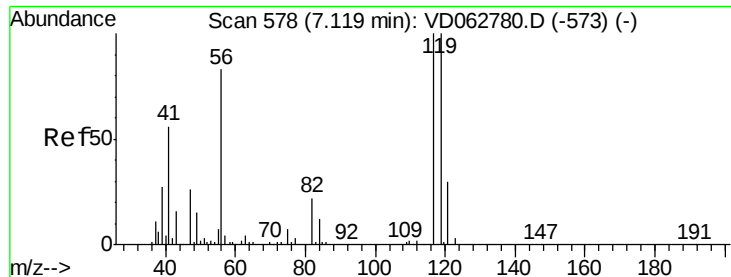
Tot Ion: 75 Resp: 22025
 Ion Ratio Lower Upper
 75 100
 110 5.0 15.0 45.1#
 77 0.0 22.2 33.2#



#37
 Ethyl Acetate
 Concen: 1.288 ug/l
 RT: 6.19 min Scan# 484
 Delta R.T. -0.00 min
 Lab File: VD062789.D
 Acq: 20 Jun 2019 13:05

Tgt Ion: 43 Resp: 3735
 Ion Ratio Lower Upper
 43 100
 61 37.9 11.6 17.4#
 70 0.0 6.4 9.6#





#38

Carbon Tetrachloride

Concen: 5.261 ug/l

RT: 7.07 min Scan# 573

Delta R.T. -0.05 min

Lab File: VD062789.D

Acq: 20 Jun 2019 13:05

Instrument :

MSVOA_D

ClientSampleId :

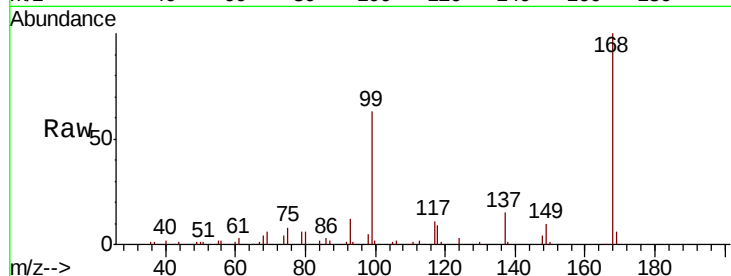
Tot Ion:117 Resp: 29793

Ion Ratio Lower Upper

117 100

119 5.5 75.4 113.2#

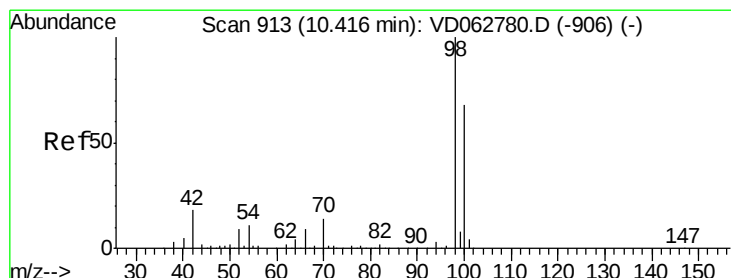
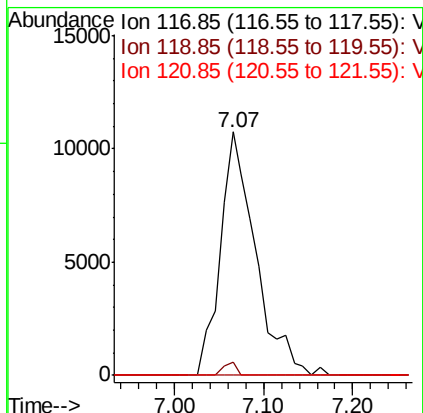
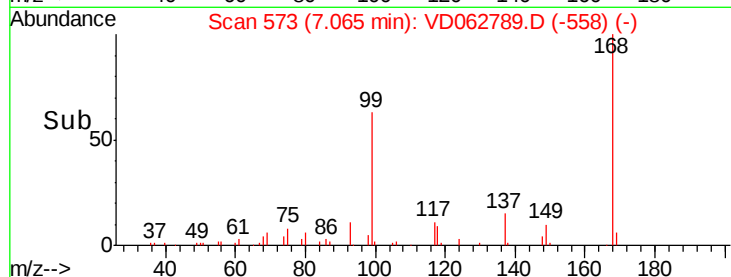
121 0.0 22.3 33.5#



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: 48.436 ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.02 min

Lab File: VD062789.D

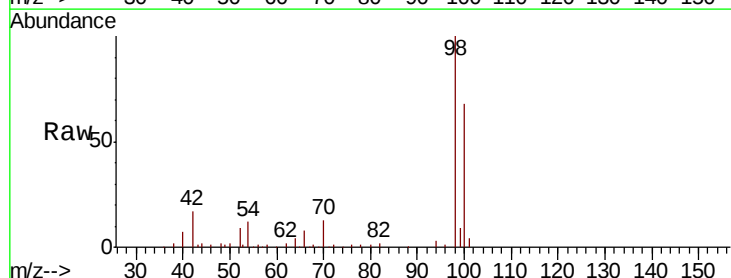
Acq: 20 Jun 2019 13:05

Tgt Ion: 98 Resp: 353566

Ion Ratio Lower Upper

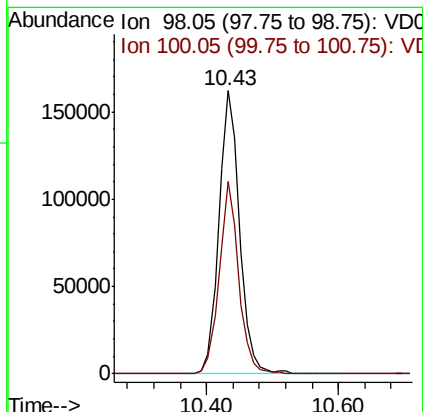
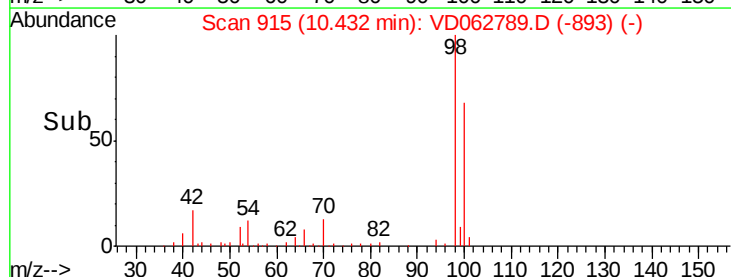
98 100

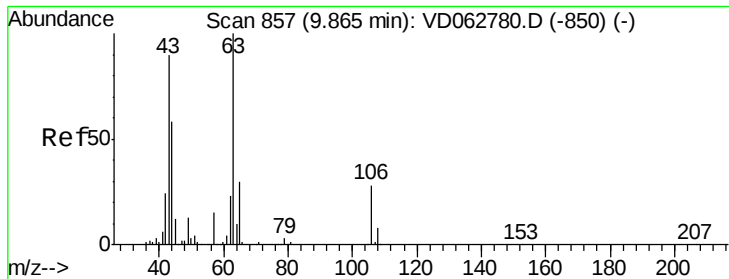
100 67.9 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#58

2-Chloroethyl Vinyl ether

Concen: 1.111 ug/l

RT: 9.89 min Scan# 860

Delta R.T. 0.03 min

Lab File: VD062789.D

Acq: 20 Jun 2019 13:05

Instrument :

MSVOA_D

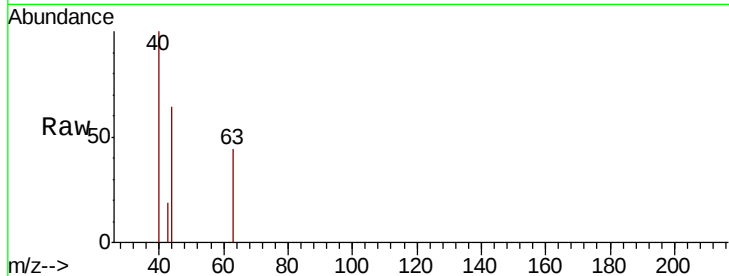
ClientSampleId :

Tot Ion: 63 Resp: 1064

Ion Ratio Lower Upper

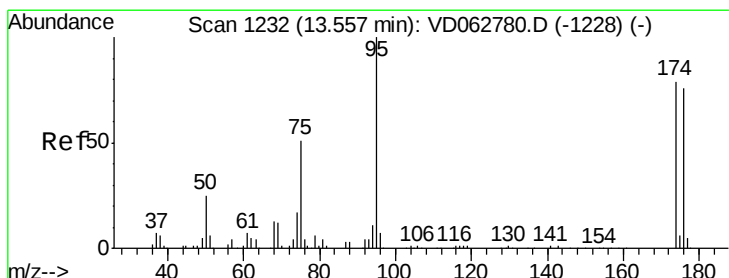
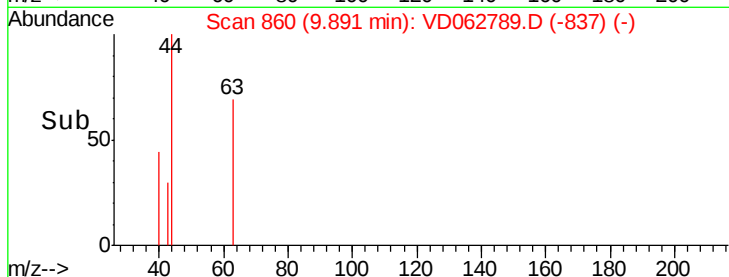
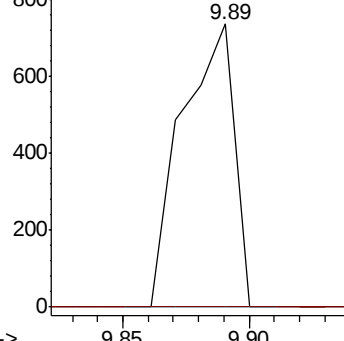
63 100

106 0.0 22.1 33.1#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V



#62

4-Bromofluorobenzene

Concen: 52.076 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD062789.D

Acq: 20 Jun 2019 13:05

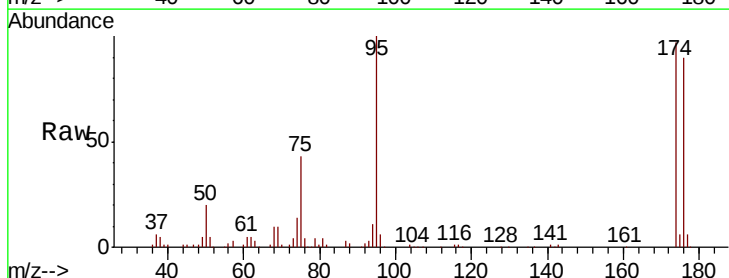
Tgt Ion: 95 Resp: 172849

Ion Ratio Lower Upper

95 100

174 96.6 0.0 158.0

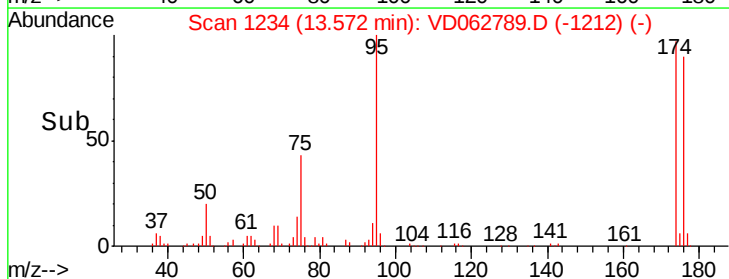
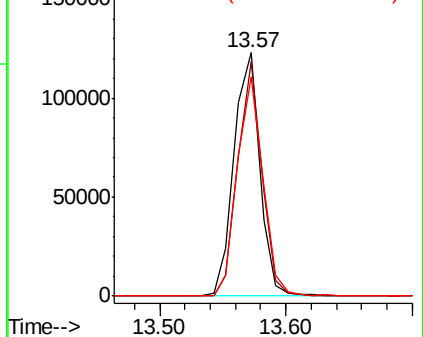
176 89.8 0.0 151.6

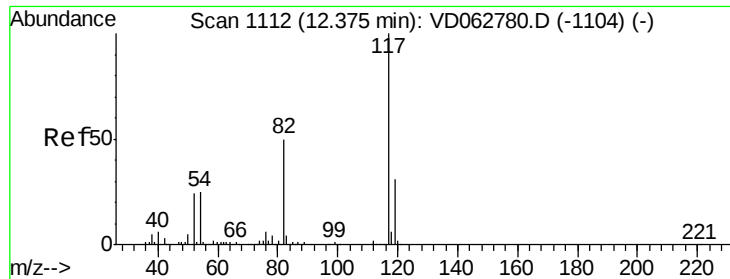


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

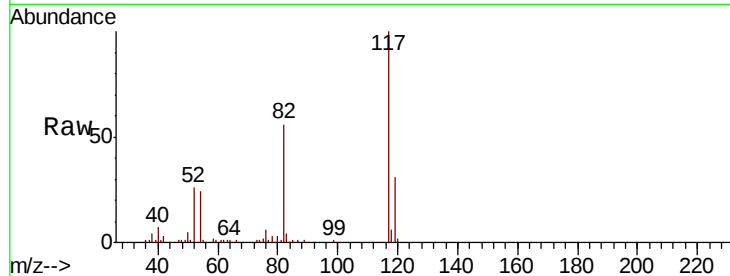




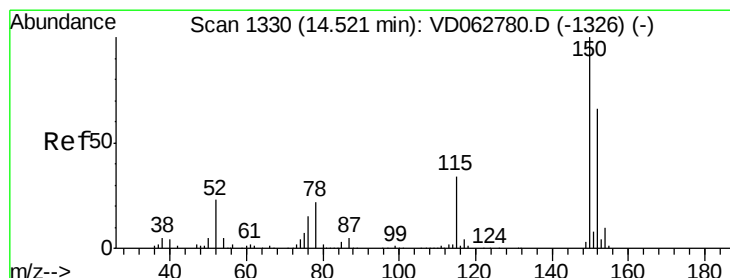
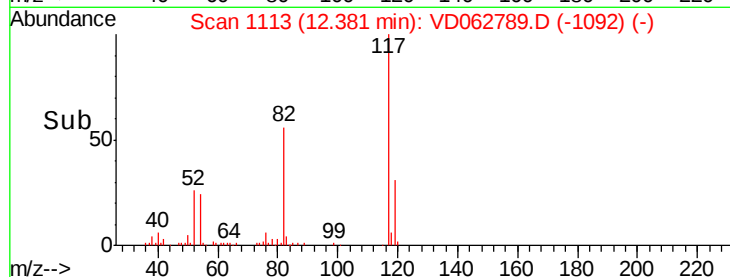
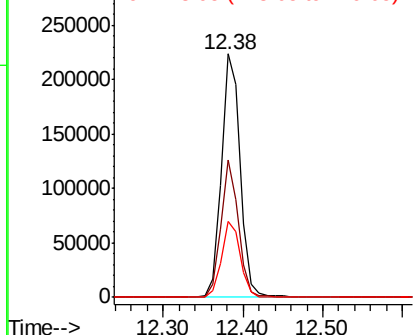
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VD062789.D
Acq: 20 Jun 2019 13:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.2	40.4	60.6
119	31.0	25.2	37.8

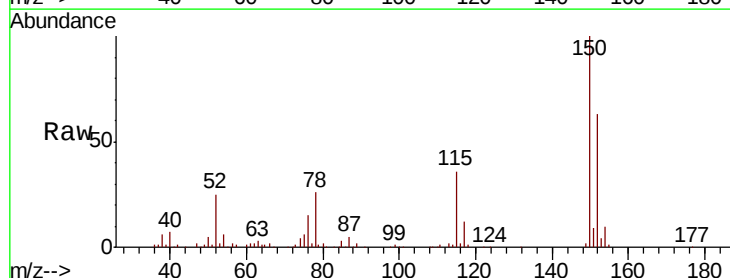


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

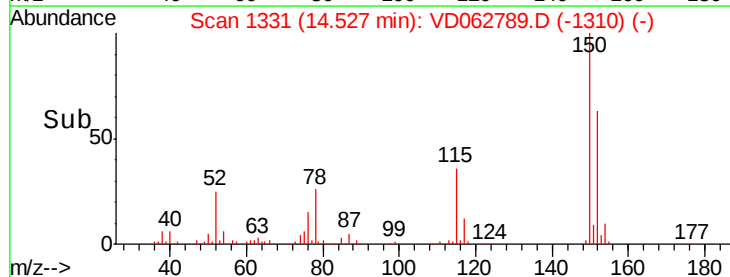
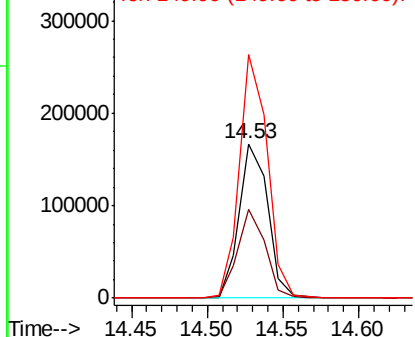


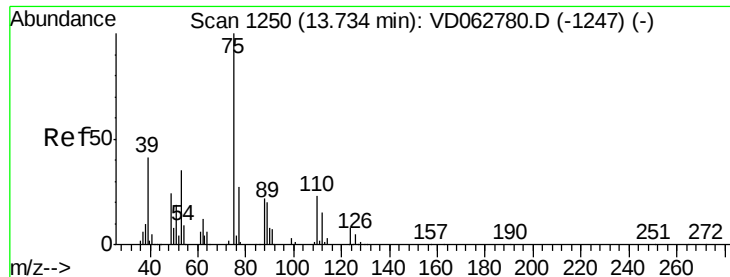
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062789.D
Acq: 20 Jun 2019 13:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.3	29.2	87.6
150	157.9	0.0	305.8



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





#76

1,2,3-Trichloropropane

Concen: 28.718 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. -0.16 min

Lab File: VD062789.D

Acq: 20 Jun 2019 13:05

Instrument :

MSVOA_D

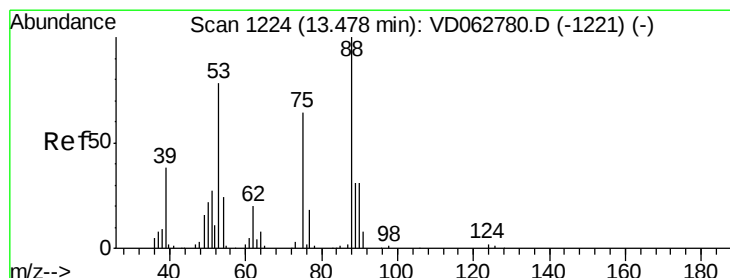
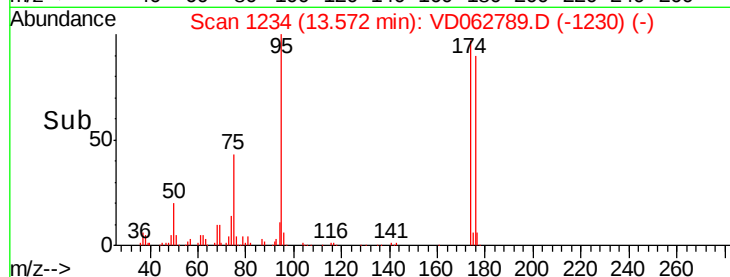
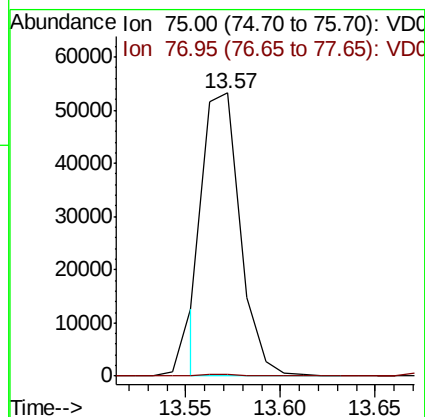
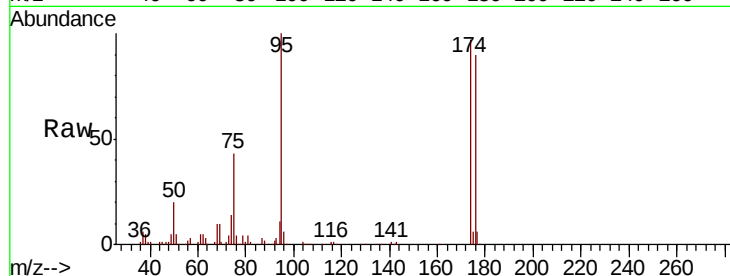
ClientSampleId :

Tot Ion: 75 Resp: 72884

Ion Ratio Lower Upper

75 100

77 0.9 15.0 45.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 121.562 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.09 min

Lab File: VD062789.D

Acq: 20 Jun 2019 13:05

Tgt Ion: 75 Resp: 80858

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

89 0.0 39.4 59.2#

