

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061920\
 Data File : VX016912.D
 Acq On : 20 Jun 2020 06:38
 Operator : JC/SP
 Sample : L3066-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EB_061820

Quant Time: Jun 22 01:55:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 19 12:07:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	314314	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	515398	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	543443	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	268064	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	185902	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	
35) Dibromofluoromethane	5.47	113	161698	49.04	ug/l	0.00
Spiked Amount			Recovery	=	98.08%	
50) Toluene-d8	8.70	98	672445	50.98	ug/l	0.00
Spiked Amount			Recovery	=	101.96%	
62) 4-Bromofluorobenzene	11.12	95	257439	50.94	ug/l	0.00
Spiked Amount			Recovery	=	101.88%	

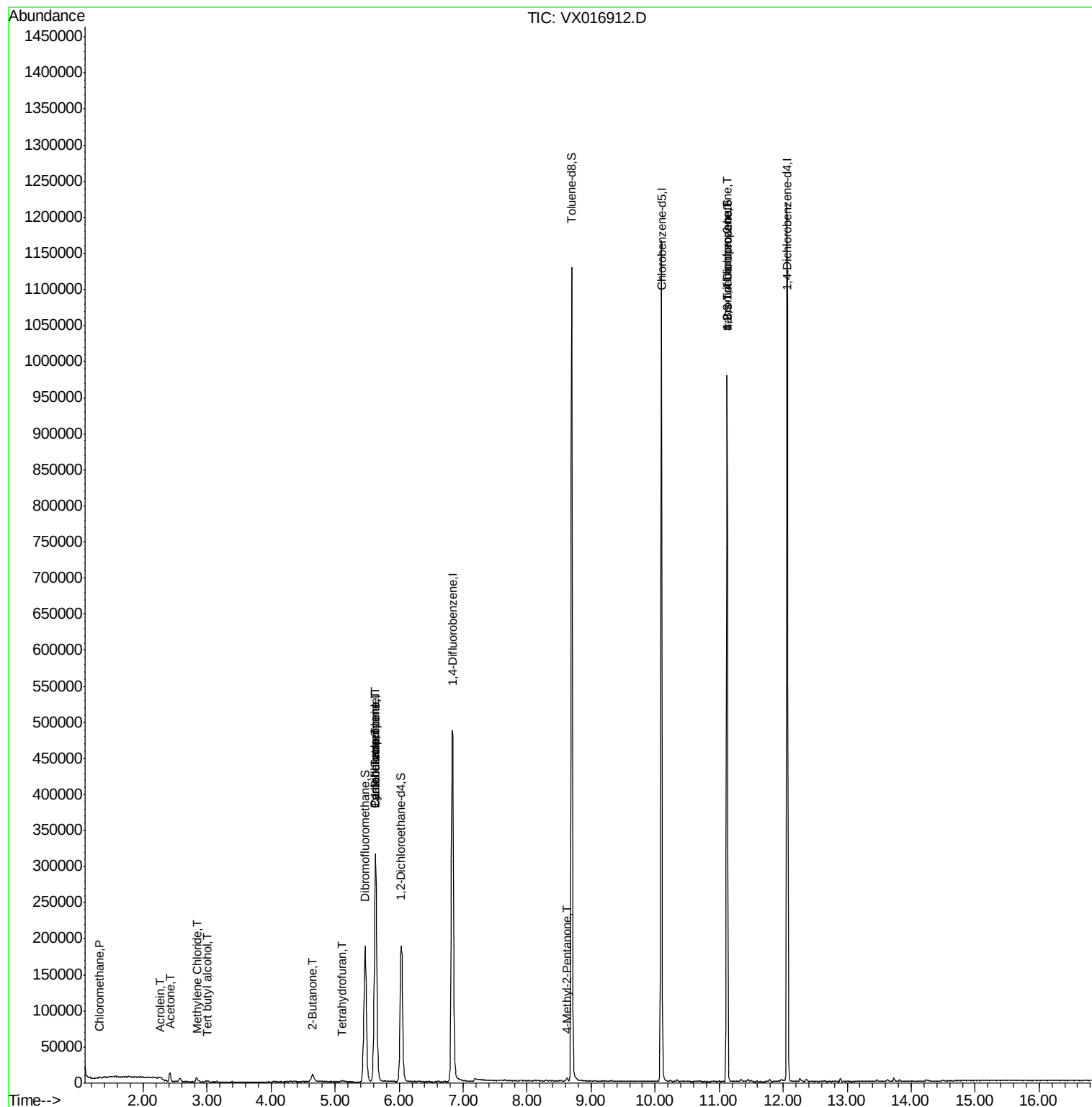
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1309	0.335	ug/l	96
11) Tert butyl alcohol	3.00	59	1390	2.175	ug/l #	72
13) Acrolein	2.27	56	262	0.676	ug/l #	15
16) Acetone	2.42	43	12691	9.248	ug/l	98
20) Methylene Chloride	2.84	84	3222	0.979	ug/l #	78
25) 2-Butanone	4.65	43	4595	2.433	ug/l #	75
29) Tetrahydrofuran	5.09	42	671	0.564	ug/l #	28
31) Cyclohexane	5.63	56	5245	1.122	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	21795	4.580	ug/l #	47
38) Carbon Tetrachloride	5.63	117	28370	5.313	ug/l #	15
51) 4-Methyl-2-Pentanone	8.62	43	2838	0.643	ug/l	88
76) 1,2,3-Trichloropropane	11.12	75	121649	24.848	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	121649	60.849	ug/l #	14

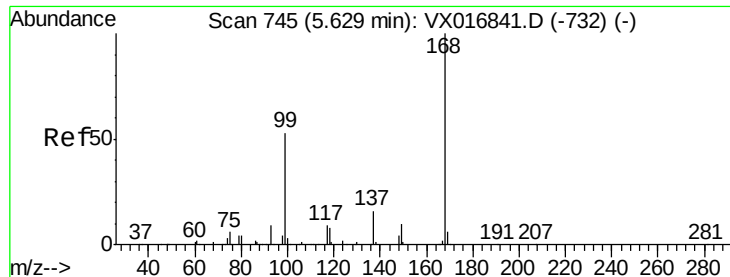
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 19 12:07:48 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016912.D

Acq: 20 Jun 2020 06:38

Instrument :

MSVOA_X

ClientSampleId :

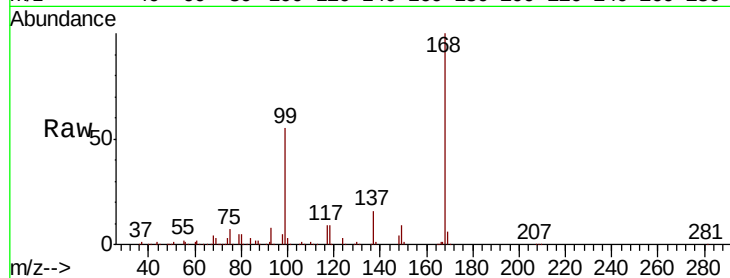
EB_061820

Tot Ion:168 Resp: 314314

Ion Ratio Lower Upper

168 100

99 54.7 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

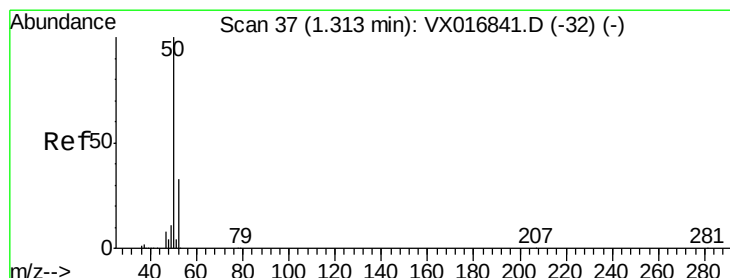
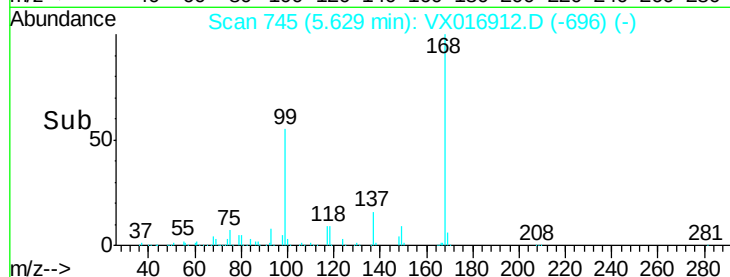
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.335 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016912.D

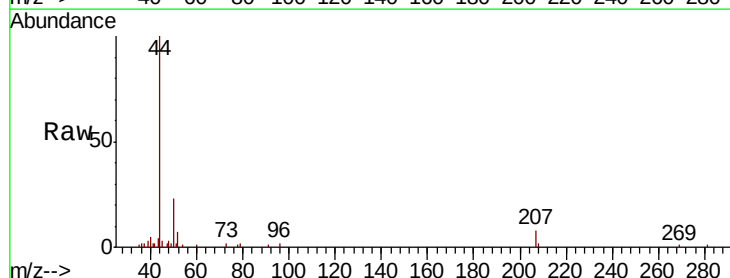
Acq: 20 Jun 2020 06:38

Tgt Ion: 50 Resp: 1309

Ion Ratio Lower Upper

50 100

52 30.6 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

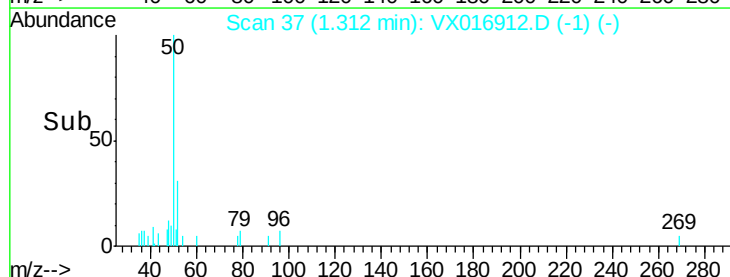
1.31

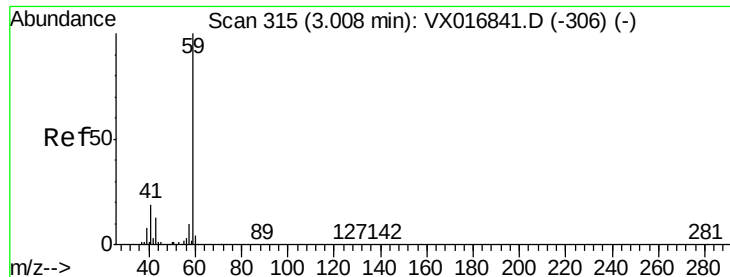
1000

500

0

Time-->

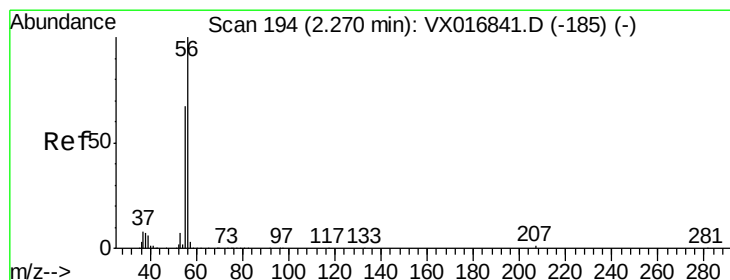
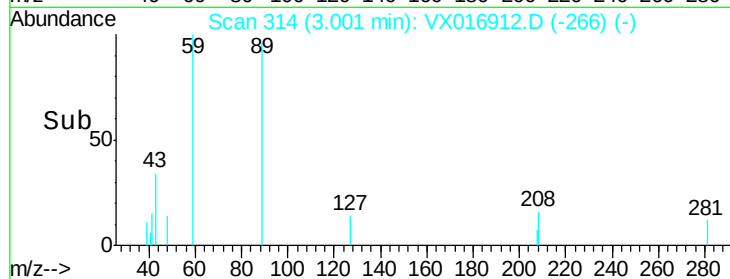
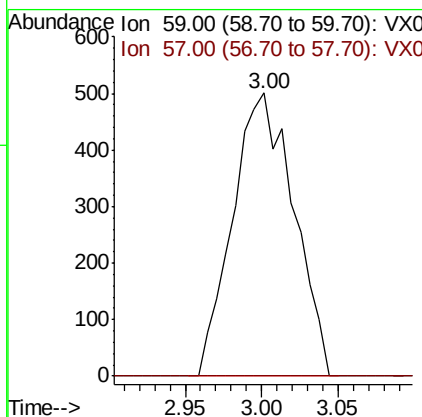
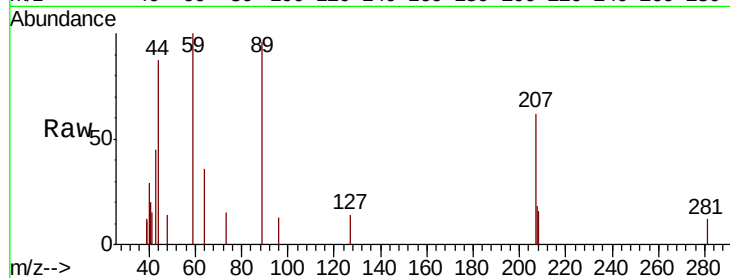




#11
Tert butyl alcohol
Concen: 2.175 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX016912.D
Acq: 20 Jun 2020 06:38

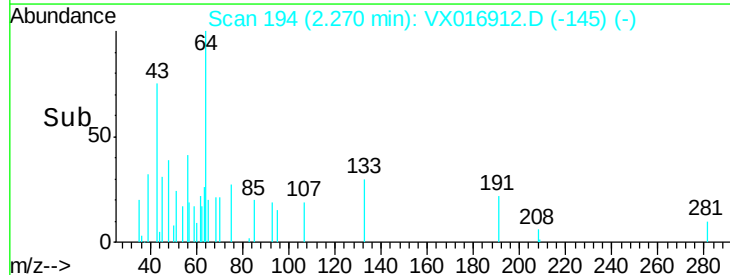
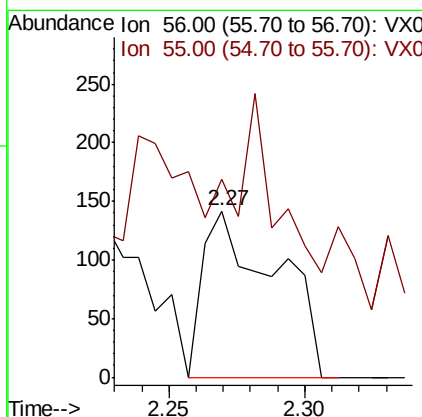
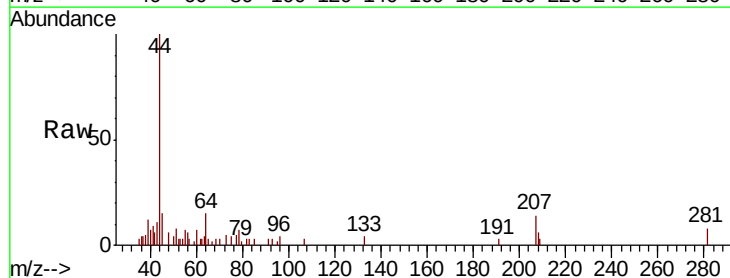
Instrument :
MSVOA_X
ClientSampleId :
EB_061820

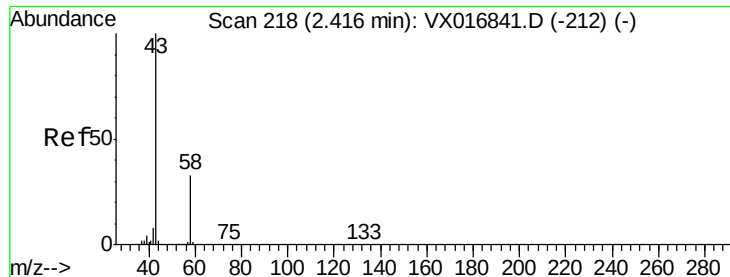
Tot Ion: 59 Resp: 1390
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#13
Acrolein
Concen: 0.676 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.00 min
Lab File: VX016912.D
Acq: 20 Jun 2020 06:38

Tgt Ion: 56 Resp: 262
Ion Ratio Lower Upper
56 100
55 0.0 55.7 83.5#





#16

Acetone

Concen: 9.248 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016912.D

Acq: 20 Jun 2020 06:38

Instrument :

MSVOA_X

ClientSampleId :

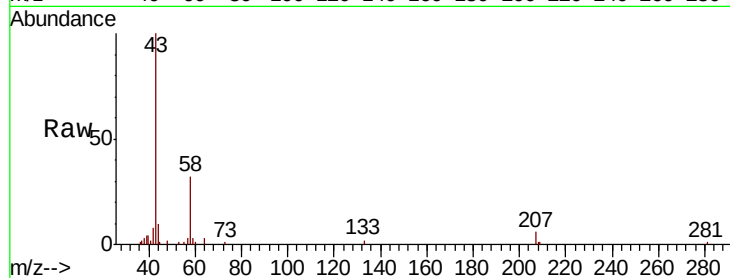
EB_061820

Tot Ion: 43 Resp: 12691

Ion Ratio Lower Upper

43 100

58 31.9 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

8000

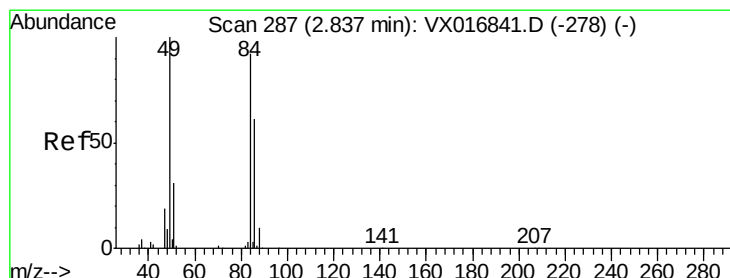
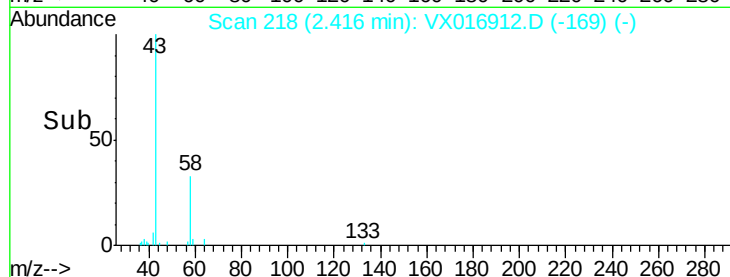
6000

4000

2000

0

Time--> 2.30 2.40 2.50



#20

Methylene Chloride

Concen: 0.979 ug/l

RT: 2.84 min Scan# 287

Delta R.T. -0.00 min

Lab File: VX016912.D

Acq: 20 Jun 2020 06:38

Tgt Ion: 84 Resp: 3222

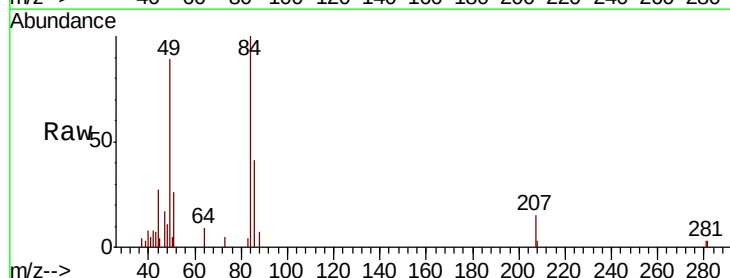
Ion Ratio Lower Upper

84 100

49 88.5 86.6 129.8

51 26.2 27.1 40.7#

86 41.0 53.1 79.7#



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

3000

2500

2000

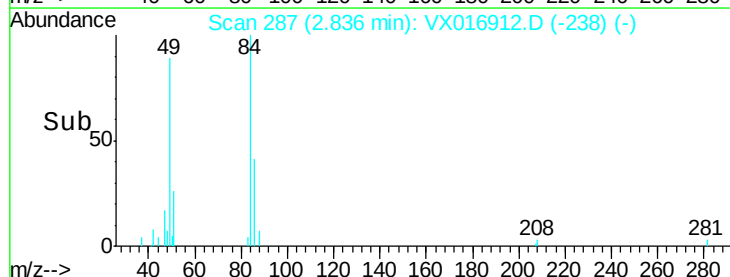
1500

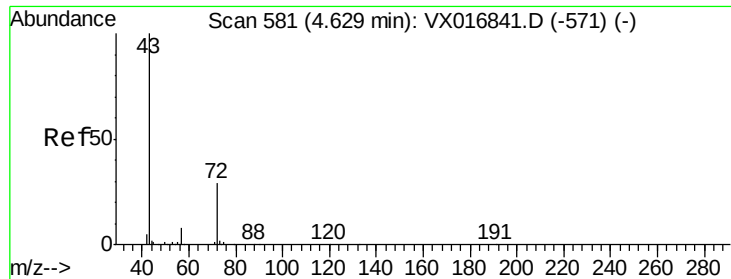
1000

500

0

Time--> 2.75 2.80 2.85 2.90

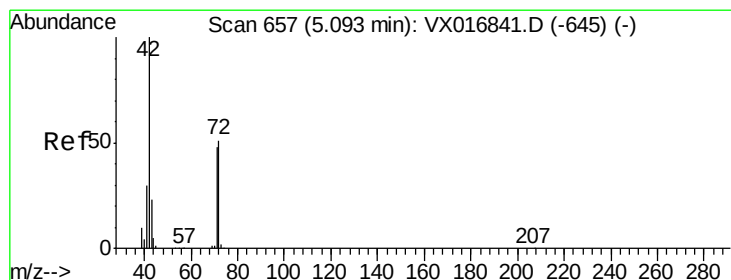
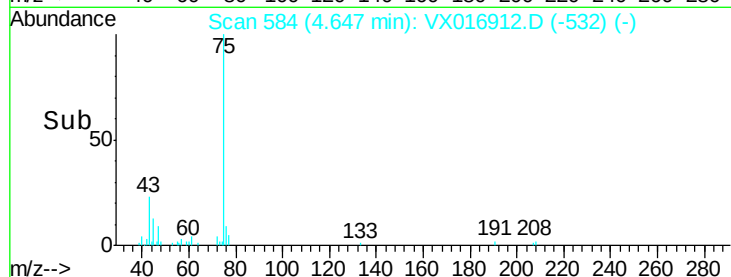
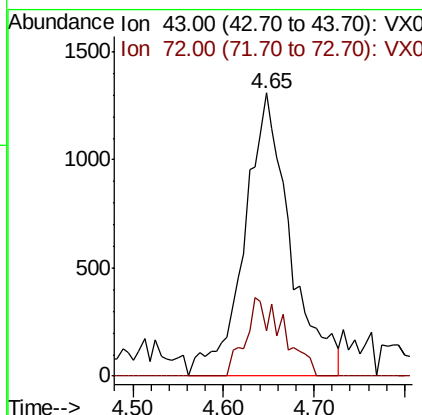
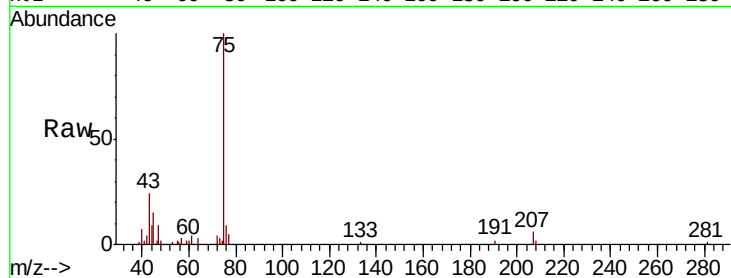




#25
2-Butanone
Concen: 2.433 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.02 min
Lab File: VX016912.D
Acq: 20 Jun 2020 06:38

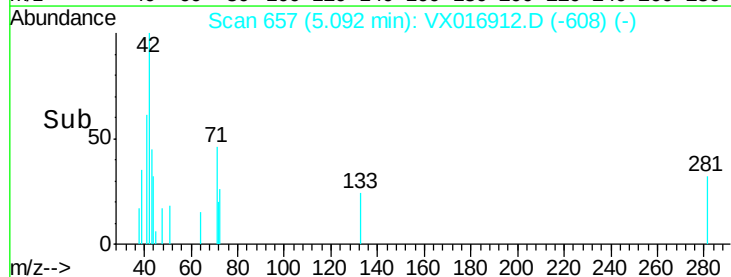
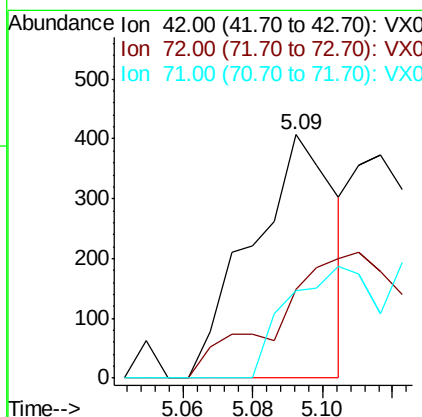
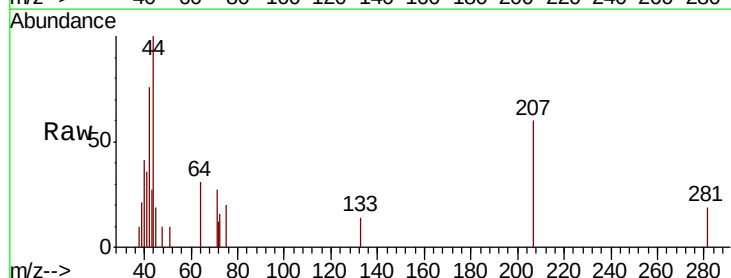
Instrument :
MSVOA_X
ClientSampled :
EB_061820

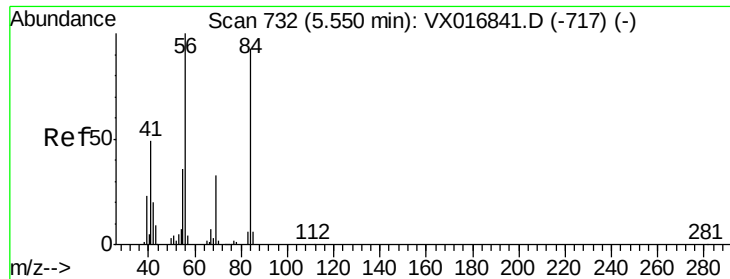
Tot Ion: 43 Resp: 4595
Ion Ratio Lower Upper
43 100
72 16.2 23.5 35.3#



#29
Tetrahydrofuran
Concen: 0.564 ug/l
RT: 5.09 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX016912.D
Acq: 20 Jun 2020 06:38

Tgt Ion: 42 Resp: 671
Ion Ratio Lower Upper
42 100
72 0.0 41.1 61.7#
71 0.0 38.4 57.6#

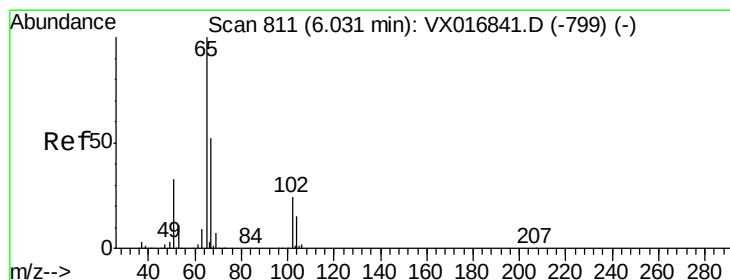
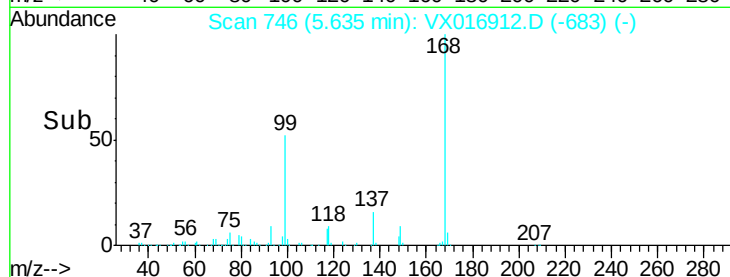
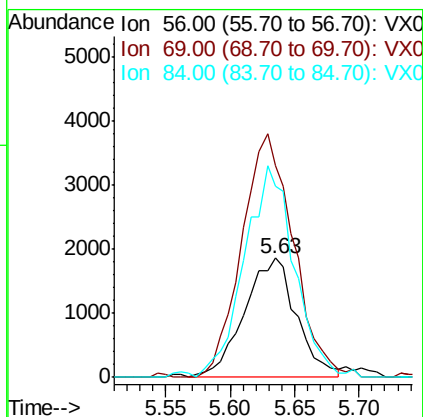
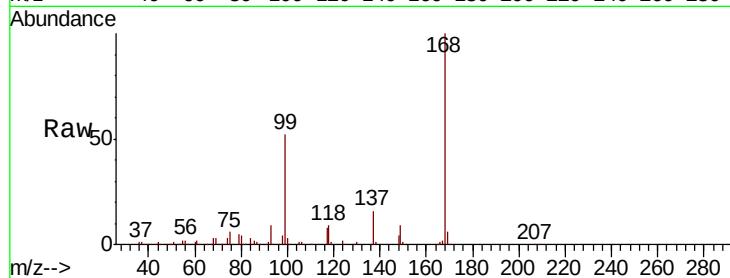




#31
Cyclohexane
Concen: 1.122 ug/l
RT: 5.63 min Scan# 746
Delta R.T. 0.08 min
Lab File: VX016912.D
Acq: 20 Jun 2020 06:38

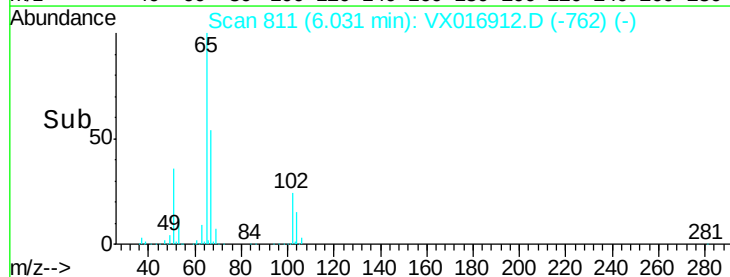
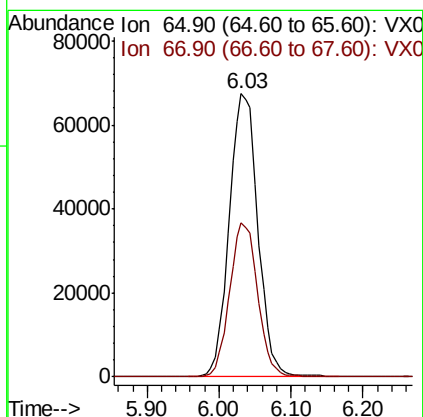
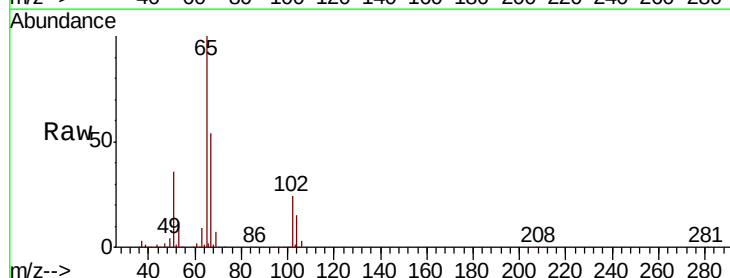
Instrument :
MSVOA_X
ClientSampled :
EB_061820

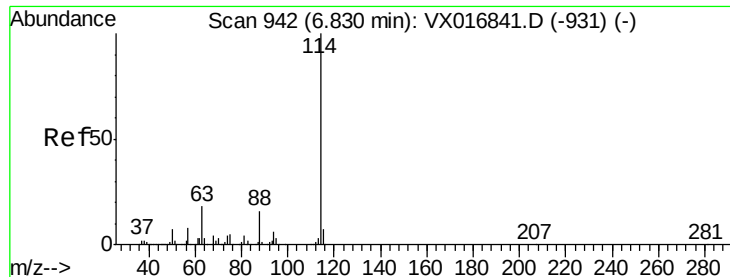
Tot Ion: 56 Resp: 5245
Ion Ratio Lower Upper
56 100
69 177.9 26.1 39.1#
84 157.0 73.0 109.6#



#33
1,2-Dichloroethane-d4
Concen: 49.178 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX016912.D
Acq: 20 Jun 2020 06:38

Tgt Ion: 65 Resp: 185902
Ion Ratio Lower Upper
65 100
67 53.4 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016912.D

Acq: 20 Jun 2020 06:38

Instrument :

MSVOA_X

ClientSampleId :

EB_061820

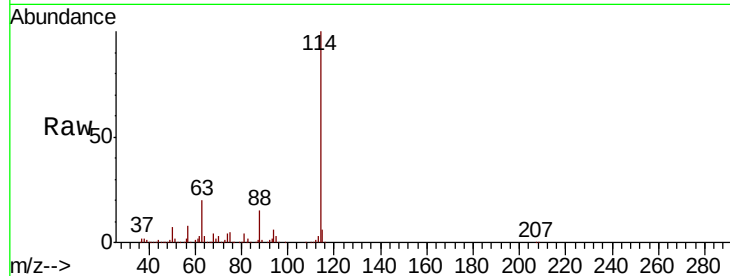
Tot Ion:114 Resp: 515398

Ion Ratio Lower Upper

114 100

63 20.2 0.0 37.0

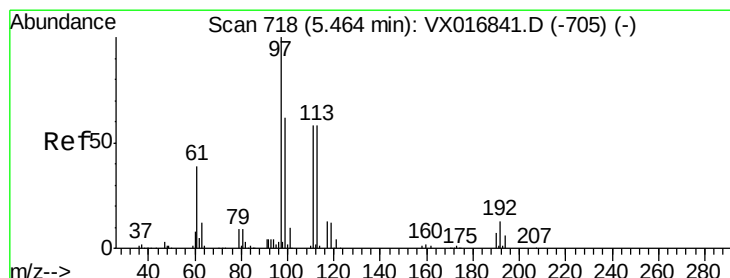
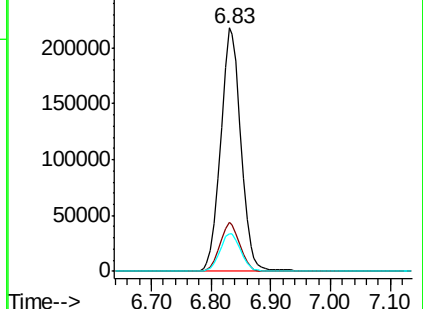
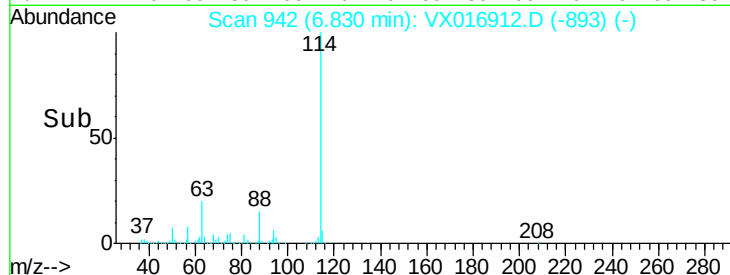
88 15.3 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 49.044 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016912.D

Acq: 20 Jun 2020 06:38

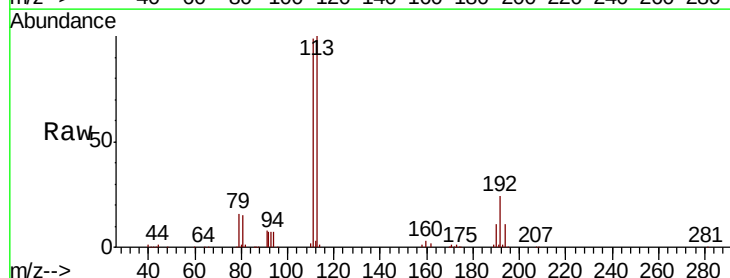
Tgt Ion:113 Resp: 161698

Ion Ratio Lower Upper

113 100

111 101.6 81.0 121.4

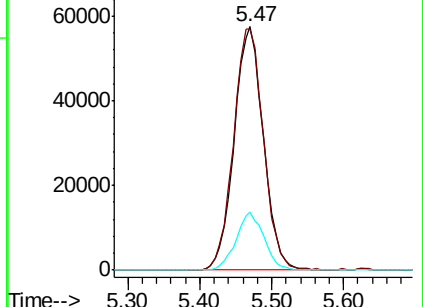
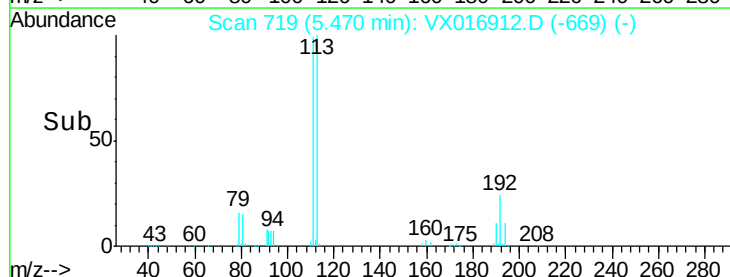
192 22.8 18.5 27.7

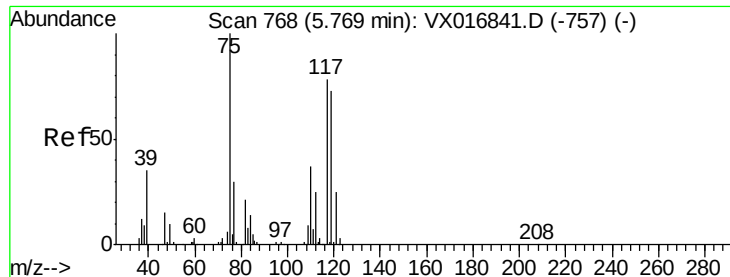


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.580 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016912.D

Acq: 20 Jun 2020 06:38

Instrument :

MSVOA_X

ClientSampleId :

EB_061820

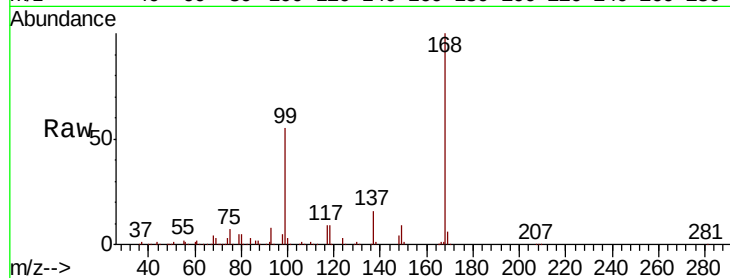
Tot Ion: 75 Resp: 21795

Ion Ratio Lower Upper

75 100

110 8.5 18.9 56.9#

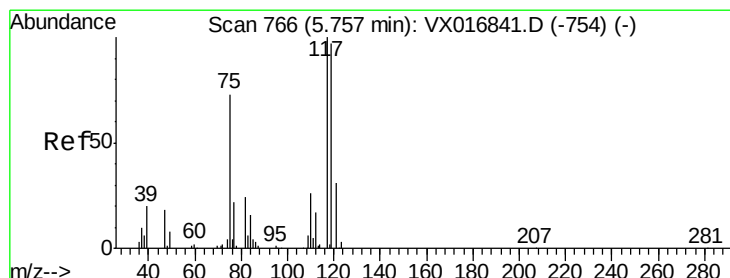
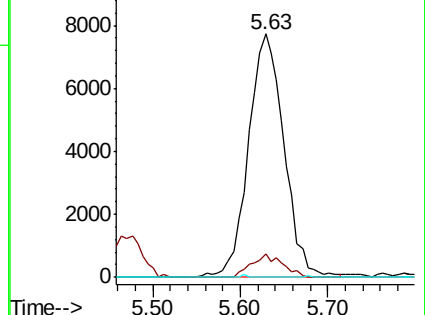
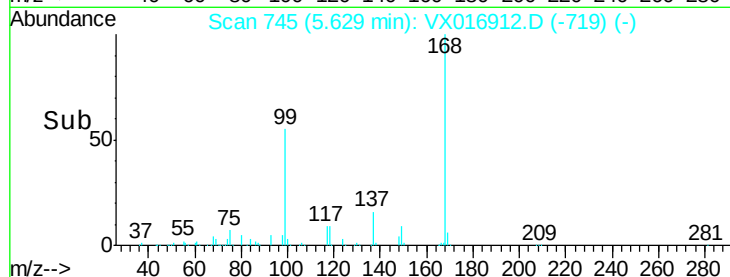
77 0.0 25.6 38.4#



Abundance Ion 74.90 (74.60 to 75.60): VX016912.D (-719) (-)

Ion 109.90 (109.60 to 110.60): VX016912.D (-719) (-)

Ion 76.90 (76.60 to 77.60): VX016912.D (-719) (-)



#38

Carbon Tetrachloride

Concen: 5.313 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016912.D

Acq: 20 Jun 2020 06:38

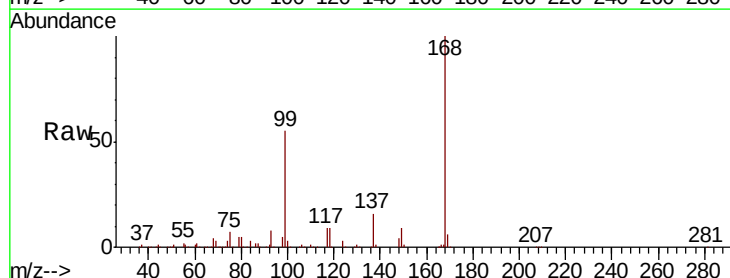
Tgt Ion: 117 Resp: 28370

Ion Ratio Lower Upper

117 100

119 4.7 77.4 116.2#

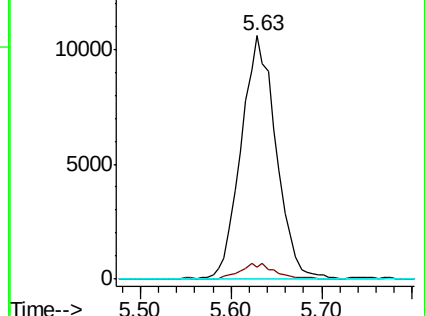
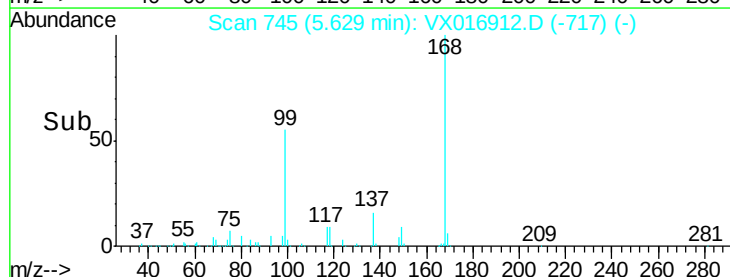
121 0.0 24.7 37.1#

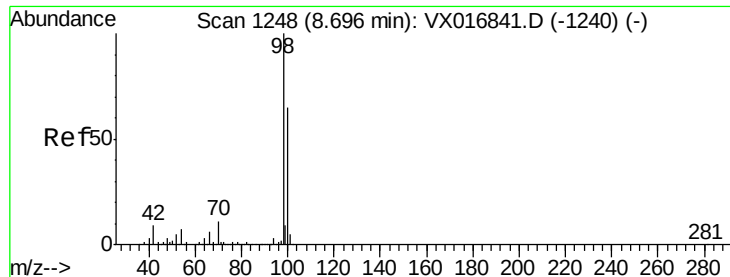


Abundance Ion 116.80 (116.50 to 117.50): VX016912.D (-717) (-)

Ion 118.80 (118.50 to 119.50): VX016912.D (-717) (-)

Ion 120.80 (120.50 to 121.50): VX016912.D (-717) (-)

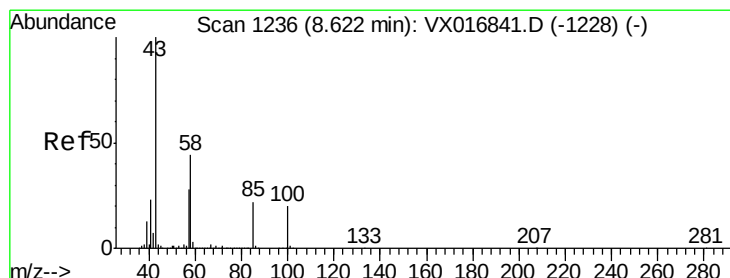
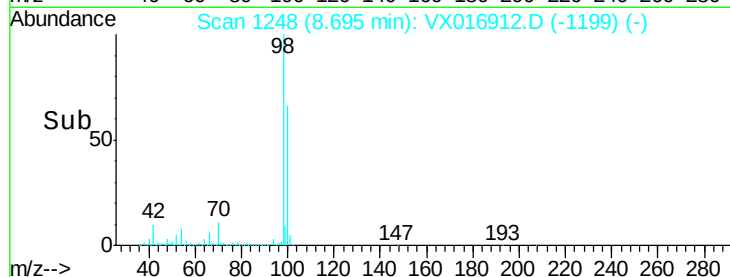
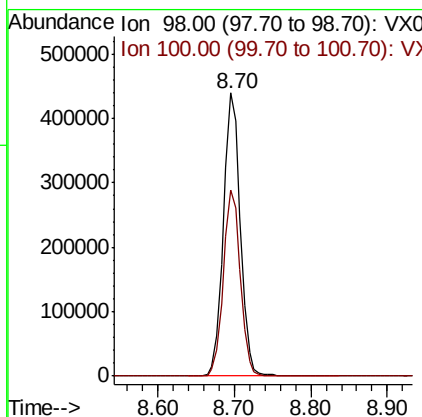
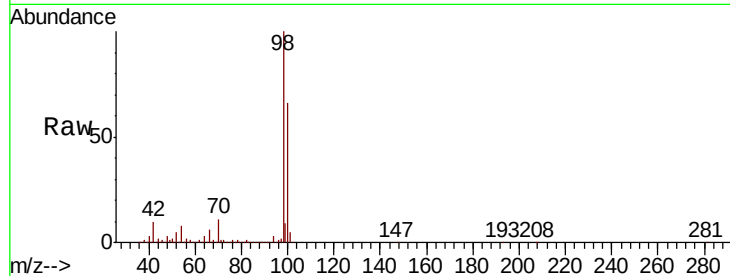




#50
Toluene-d8
Concen: 50.978 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016912.D
Acq: 20 Jun 2020 06:38

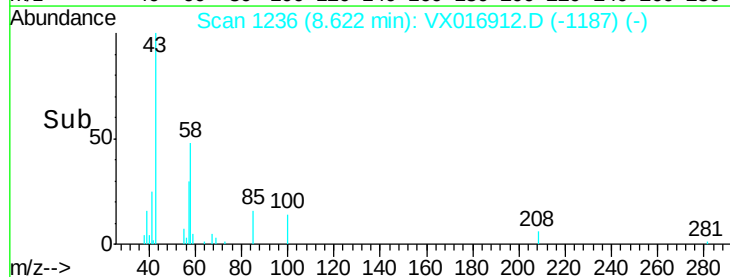
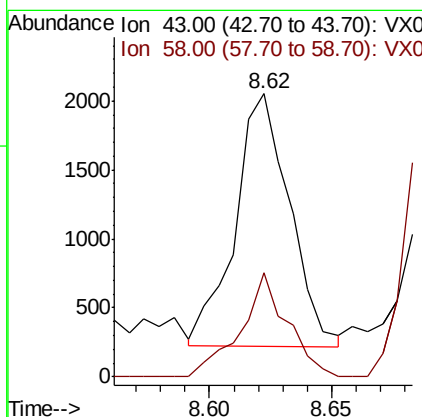
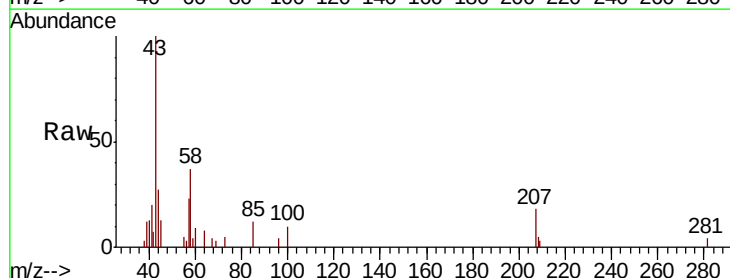
Instrument :
MSVOA_X
ClientSampleId :
EB_061820

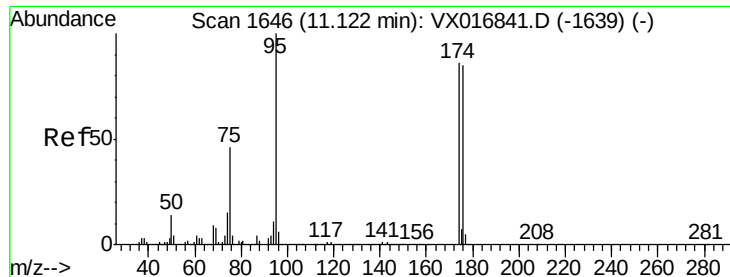
Tot Ion: 98 Resp: 672445
Ion Ratio Lower Upper
98 100
100 66.1 54.0 81.0



#51
4-Methyl-2-Pentanone
Concen: 0.643 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX016912.D
Acq: 20 Jun 2020 06:38

Tgt Ion: 43 Resp: 2838
Ion Ratio Lower Upper
43 100
58 35.5 34.3 51.5





#62

4-Bromofluorobenzene

Concen: 50.938 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016912.D

Acq: 20 Jun 2020 06:38

Instrument :

MSVOA_X

ClientSampled :

EB_061820

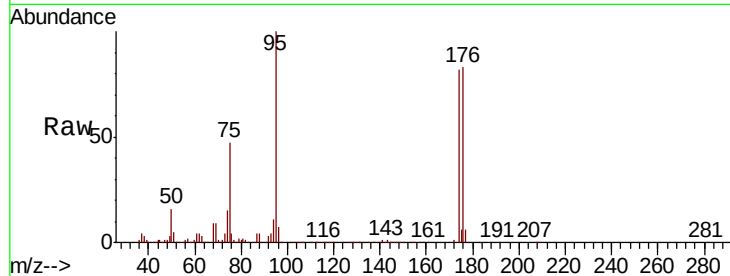
Tot Ion: 95 Resp: 257439

Ion Ratio Lower Upper

95 100

174 84.7 0.0 174.2

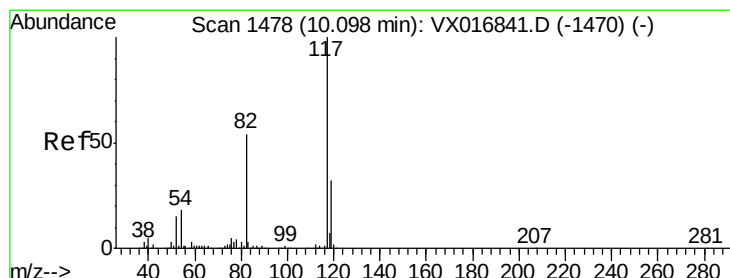
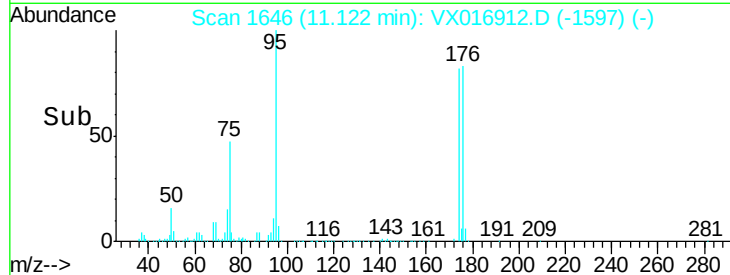
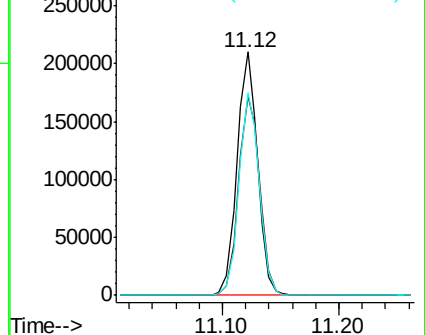
176 82.5 0.0 170.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016912.D

Acq: 20 Jun 2020 06:38

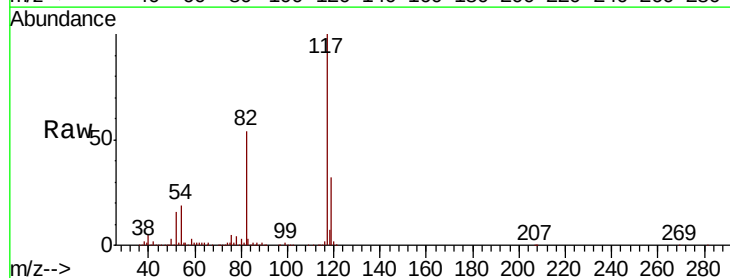
Tgt Ion: 117 Resp: 543443

Ion Ratio Lower Upper

117 100

82 53.5 43.4 65.0

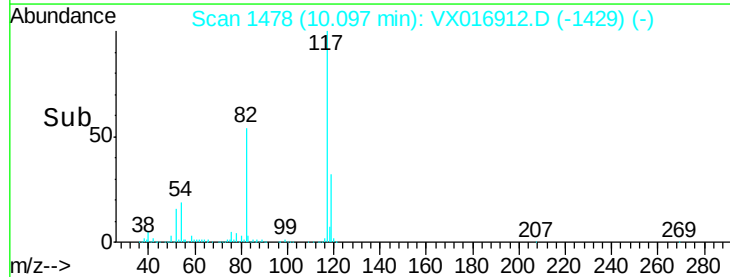
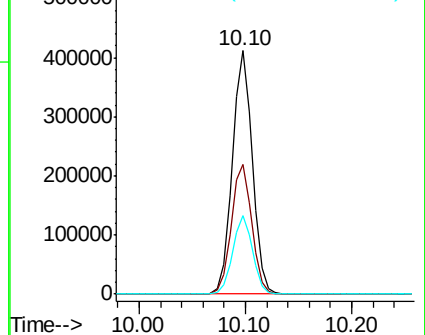
119 32.0 25.7 38.5

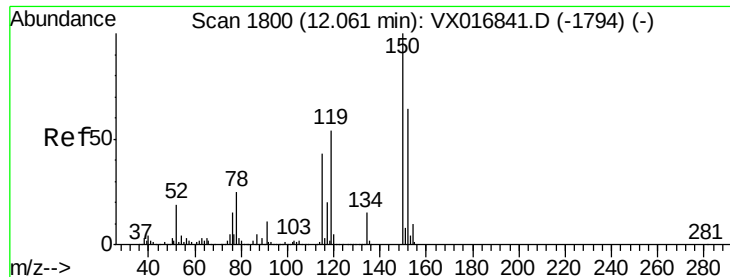


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016912.D

Acq: 20 Jun 2020 06:38

Instrument :

MSVOA_X

ClientSampleId :

EB_061820

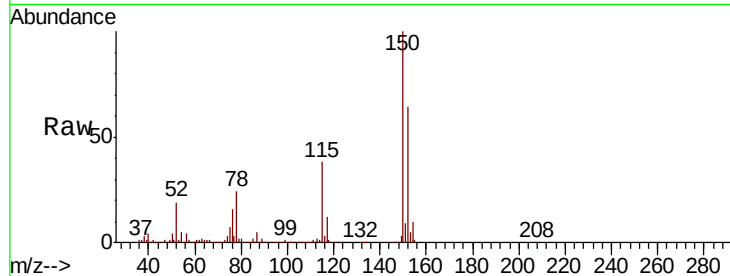
Tot Ion:152 Resp: 268064

Ion Ratio Lower Upper

152 100

115 57.0 40.9 122.8

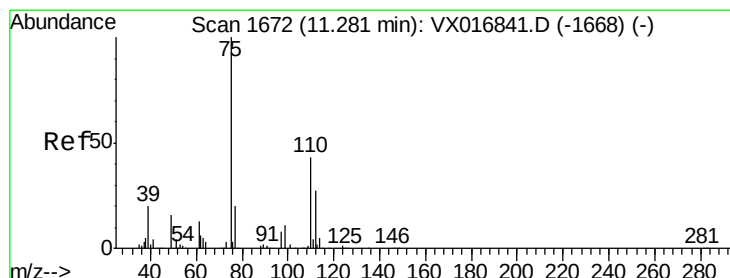
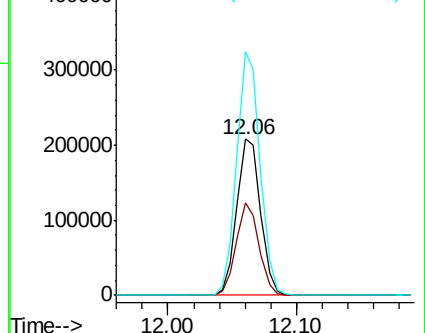
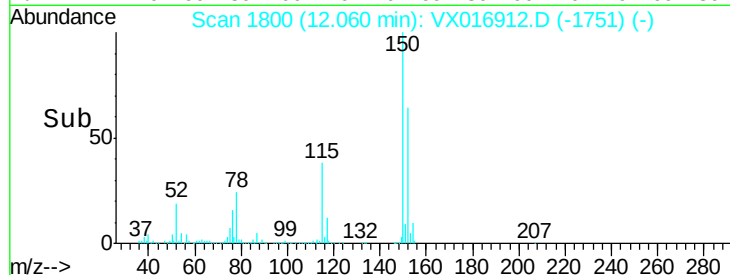
150 153.5 0.0 344.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 24.848 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016912.D

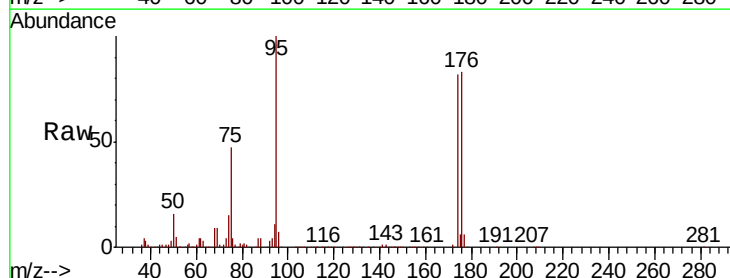
Acq: 20 Jun 2020 06:38

Tgt Ion: 75 Resp: 121649

Ion Ratio Lower Upper

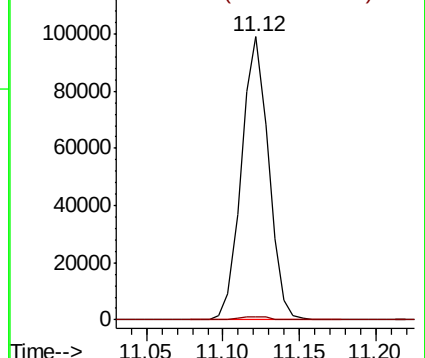
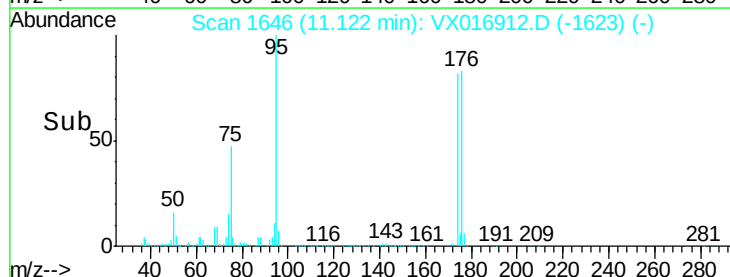
75 100

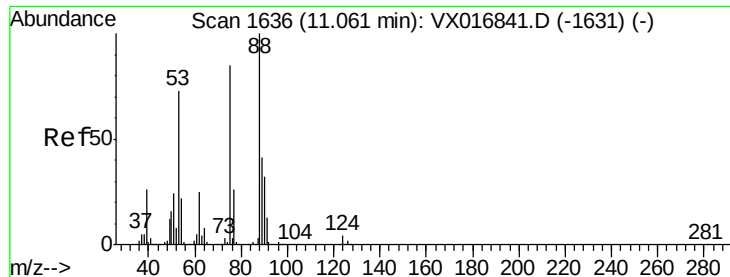
77 1.3 20.5 61.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 60.849 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016912.D

Acq: 20 Jun 2020 06:38

Instrument :

MSVOA_X

ClientSampleId :

EB_061820

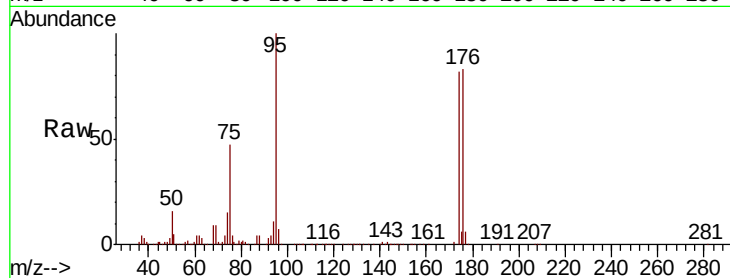
Tot Ion: 75 Resp: 121649

Ion Ratio Lower Upper

75 100

53 0.1 69.8 104.8#

89 0.0 38.3 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

