

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050520\
 Data File : VX016067.D
 Acq On : 05 May 2020 16:28
 Operator : JC/SP
 Sample : L2508-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 06 05:03:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 04:29:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	295123	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	480172	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	469857	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	247755	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	181948	46.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.70%	
35) Dibromofluoromethane	5.47	113	142506	46.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.68%	
50) Toluene-d8	8.70	98	590431	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
62) 4-Bromofluorobenzene	11.12	95	239168	53.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.30%	

Target Compounds

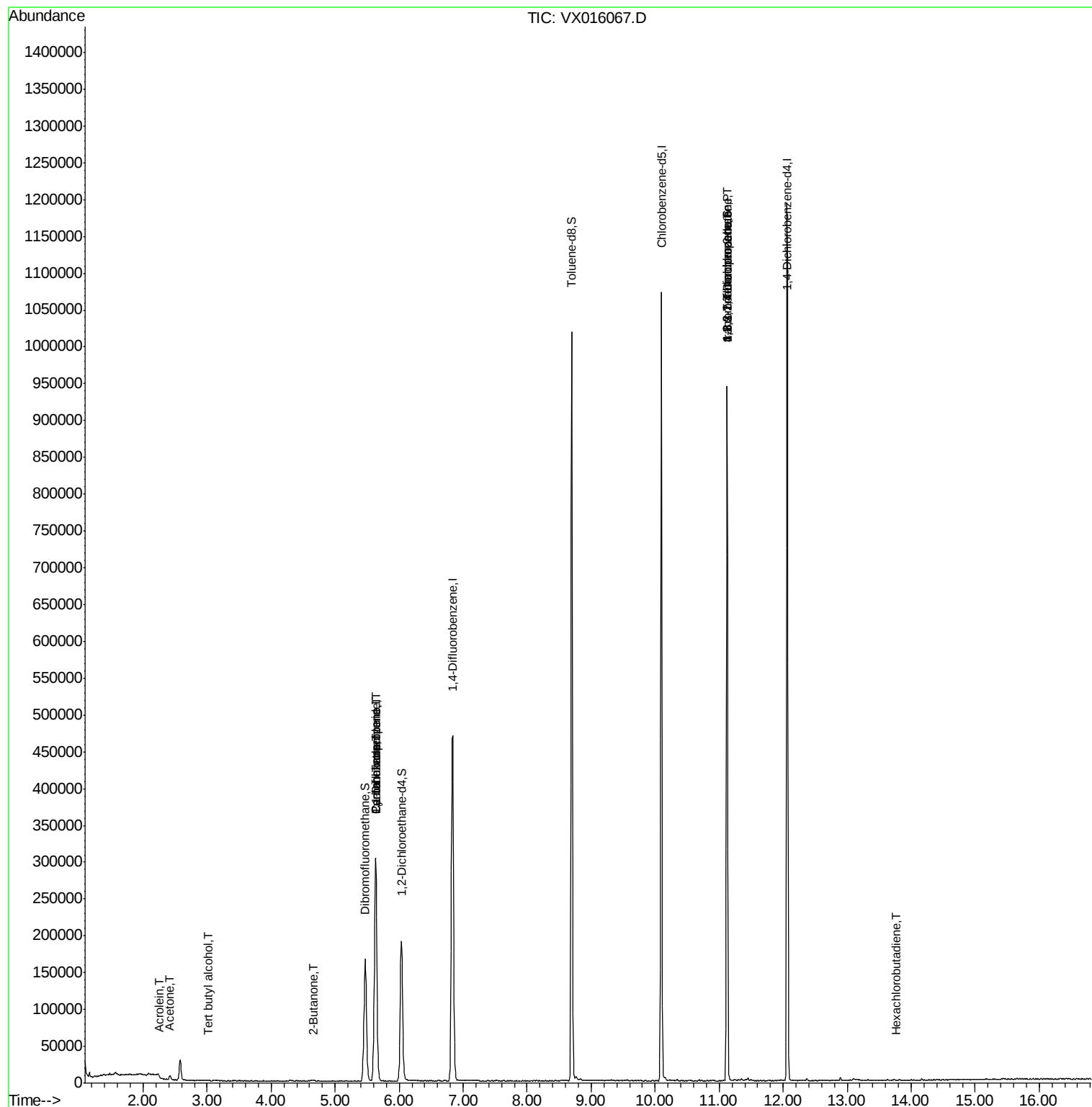
					Qvalue	
11) Tert butyl alcohol	3.01	59	638	0.650	ug/l #	86
13) Acrolein	2.26	56	319	0.519	ug/l #	78
16) Acetone	2.42	43	5712	3.296	ug/l	92
25) 2-Butanone	4.65	43	2013	0.721	ug/l #	81
31) Cyclohexane	5.63	56	6068	1.125	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	22875	4.840	ug/l #	49
38) Carbon Tetrachloride	5.64	117	28372	5.906	ug/l #	14
75) 1,1,2,2-Tetrachloroethane	11.12	83	226	4.864	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	121892	21.681	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	121892	51.667	ug/l #	13
94) Hexachlorobutadiene	13.77	225	30	0.535	ug/l #	1

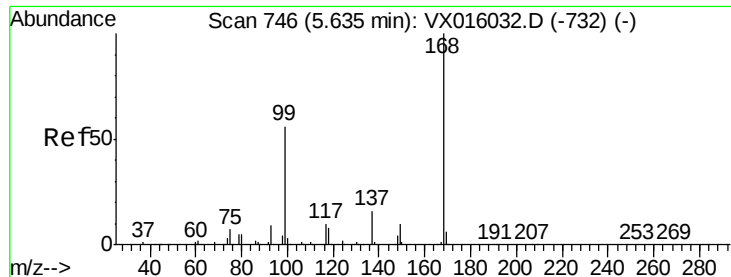
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 06 05:03:19 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
Quant Title : SW846 8260
QLast Update : Wed May 06 04:29:02 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016067.D

Acq: 05 May 2020 16:28

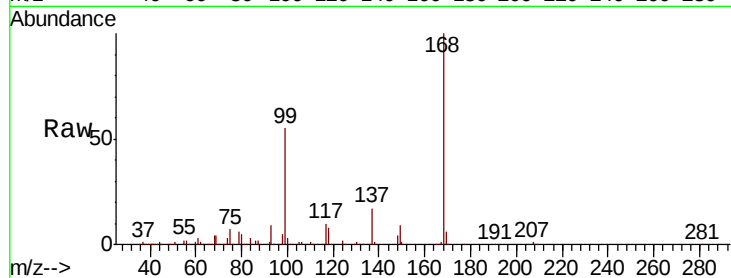
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 295123

Ion Ratio Lower Upper

168 100

99 55.2 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

120000

100000

80000

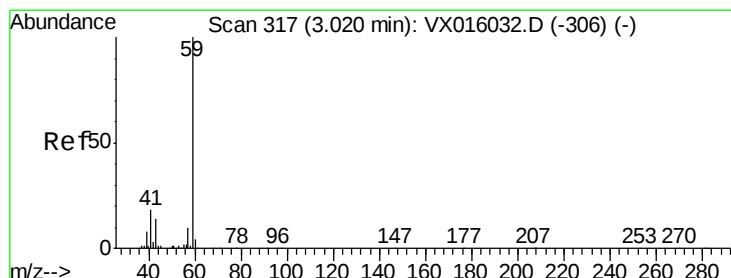
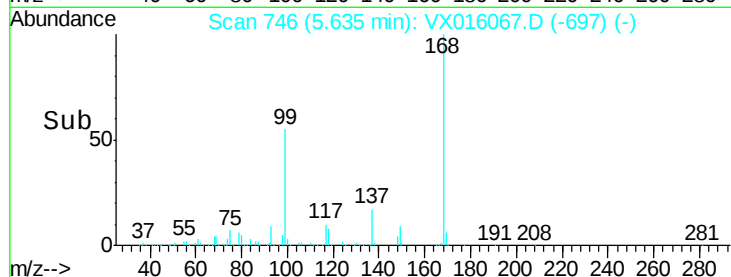
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.650 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX016067.D

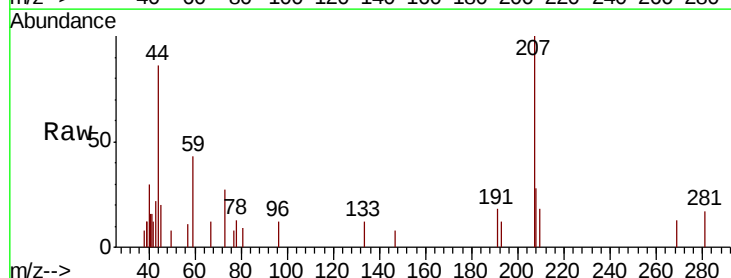
Acq: 05 May 2020 16:28

Tgt Ion: 59 Resp: 638

Ion Ratio Lower Upper

59 100

57 15.5 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.01

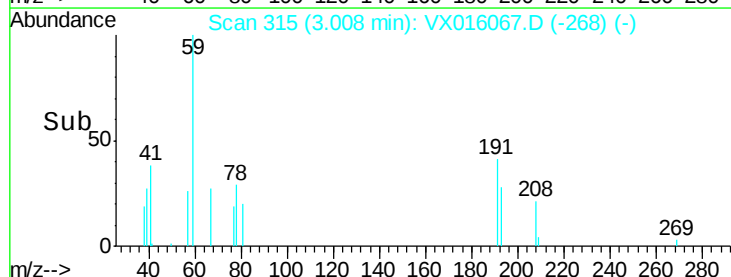
300

200

100

0

Time-->





#13

Acrolein

Concen: 0.519 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX016067.D

Acq: 05 May 2020 16:28

Instrument :

MSVOA_X

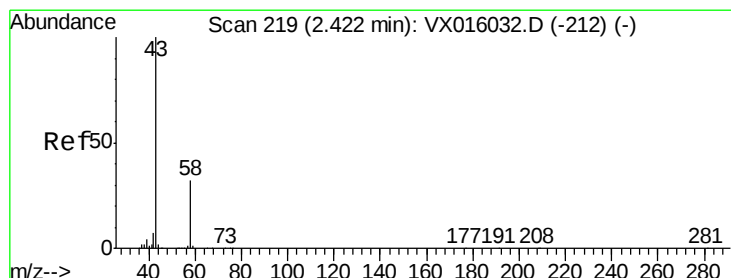
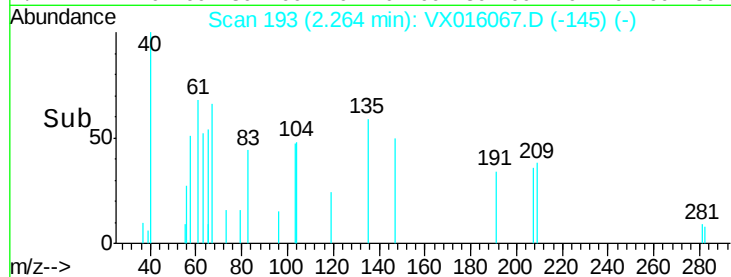
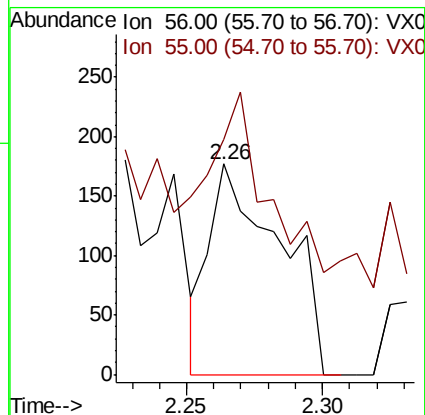
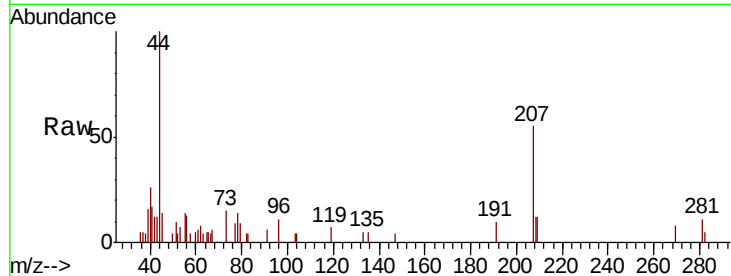
ClientSampleId :

Tot Ion: 56 Resp: 319

Ion Ratio Lower Upper

56 100

55 52.7 56.5 84.7#



#16

Acetone

Concen: 3.296 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016067.D

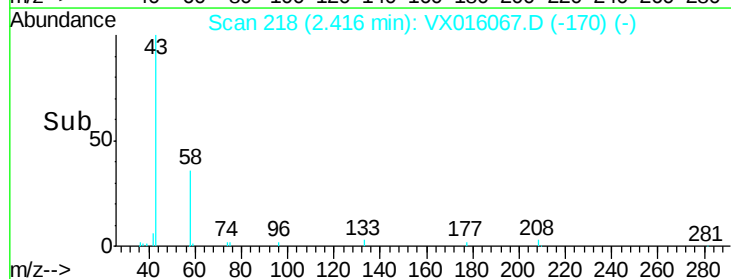
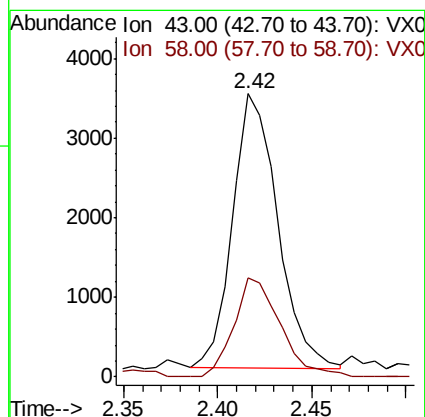
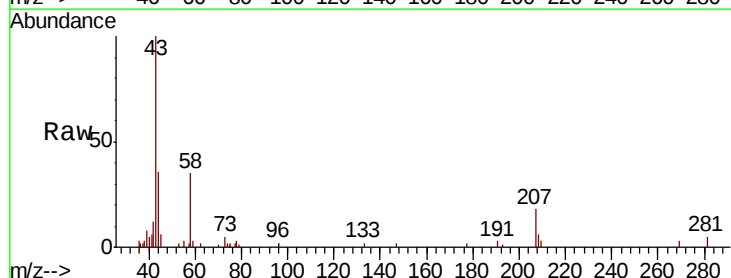
Acq: 05 May 2020 16:28

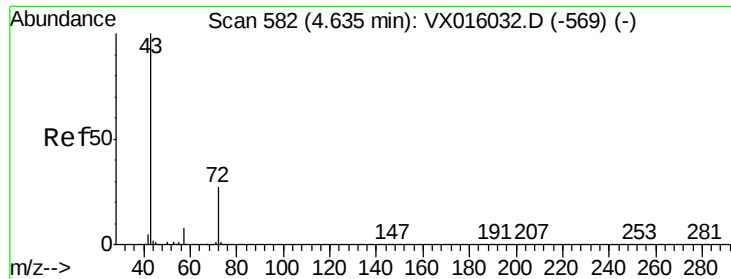
Tgt Ion: 43 Resp: 5712

Ion Ratio Lower Upper

43 100

58 36.1 25.4 38.0

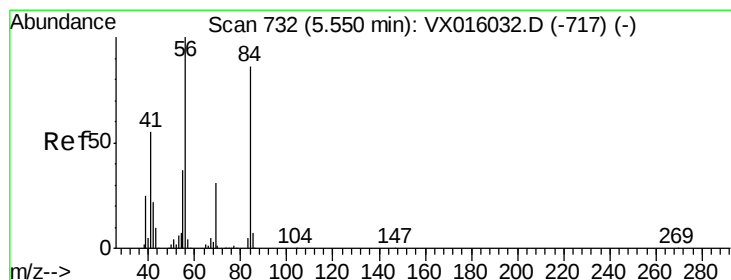
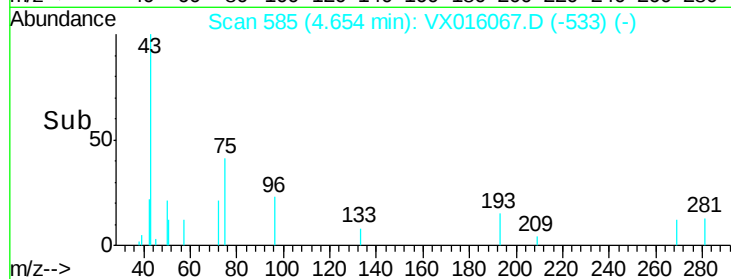
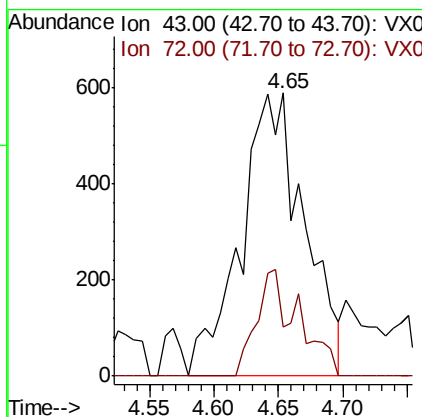
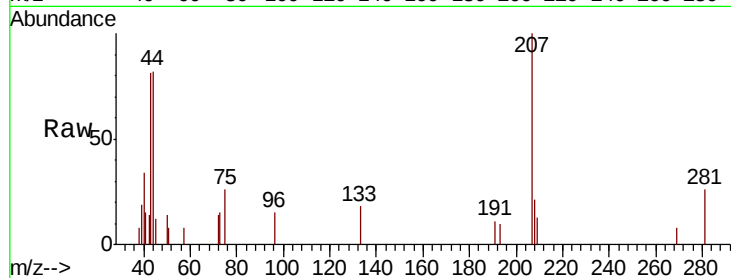




#25
2-Butanone
Concen: 0.721 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.02 min
Lab File: VX016067.D
Acq: 05 May 2020 16:28

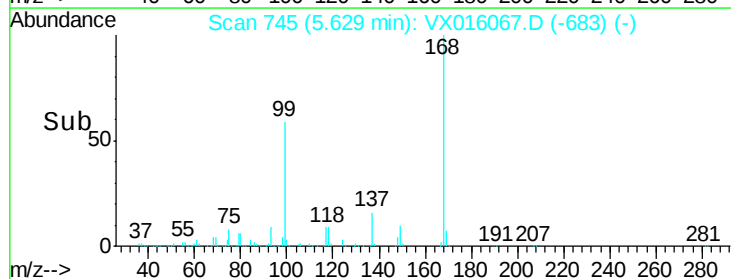
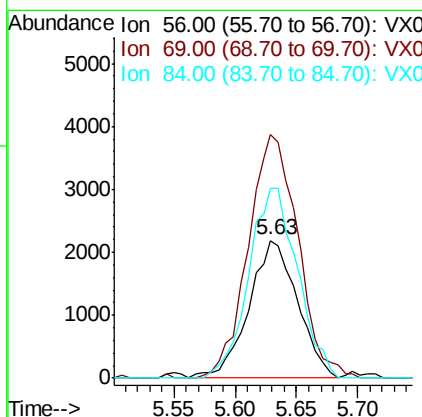
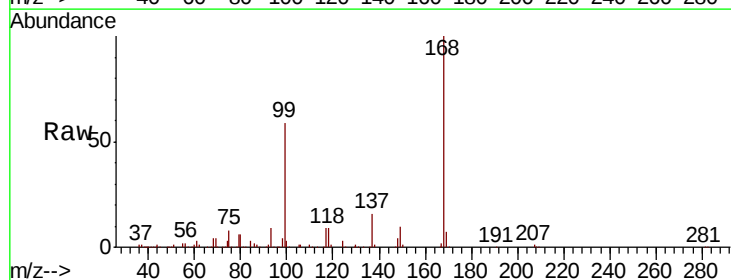
Instrument :
MSVOA_X
ClientSampleId :

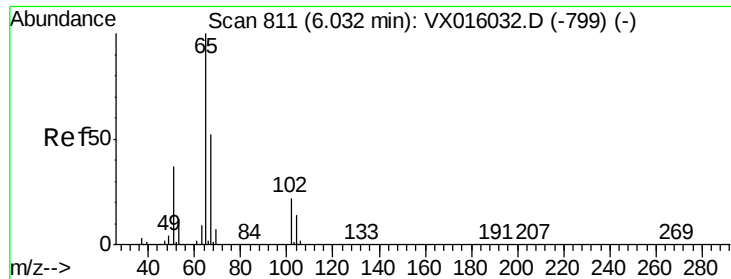
Tot Ion: 43 Resp: 2013
Ion Ratio Lower Upper
43 100
72 17.3 21.8 32.8#



#31
Cyclohexane
Concen: 1.125 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016067.D
Acq: 05 May 2020 16:28

Tgt Ion: 56 Resp: 6068
Ion Ratio Lower Upper
56 100
69 176.8 25.0 37.6#
84 137.5 69.0 103.6#





#33

1,2-Dichloroethane-d4

Concen: 46.851 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016067.D

Acq: 05 May 2020 16:28

Instrument :

MSVOA_X

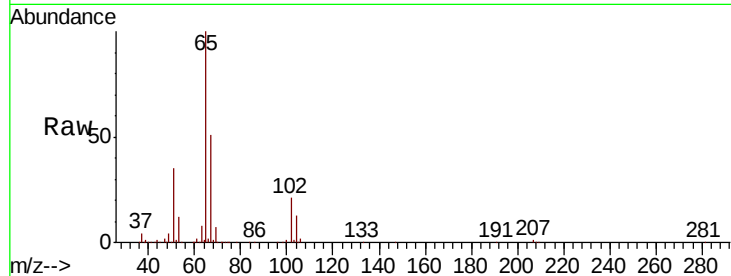
ClientSampleId :

Tot Ion: 65 Resp: 181948

Ion Ratio Lower Upper

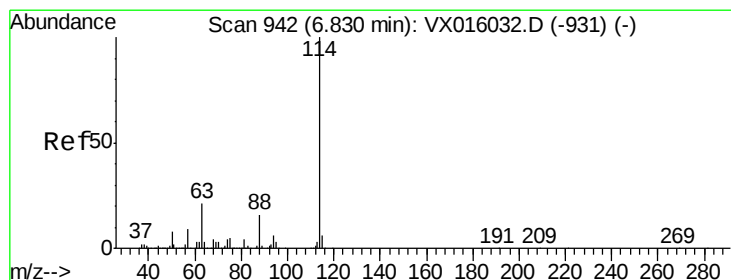
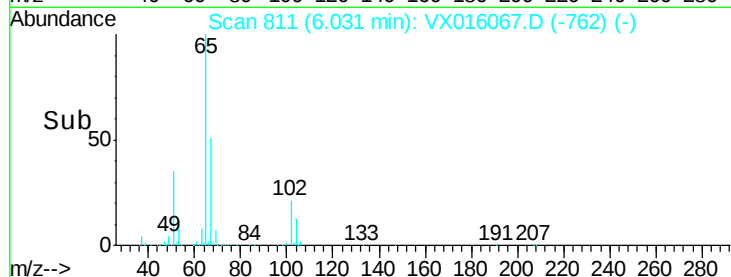
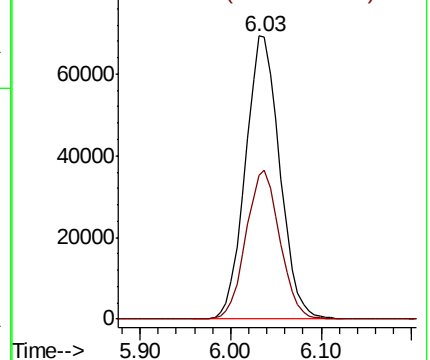
65 100

67 52.1 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016067.D

Acq: 05 May 2020 16:28

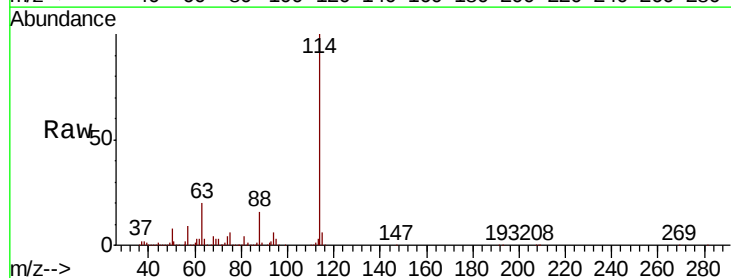
Tgt Ion: 114 Resp: 480172

Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.8

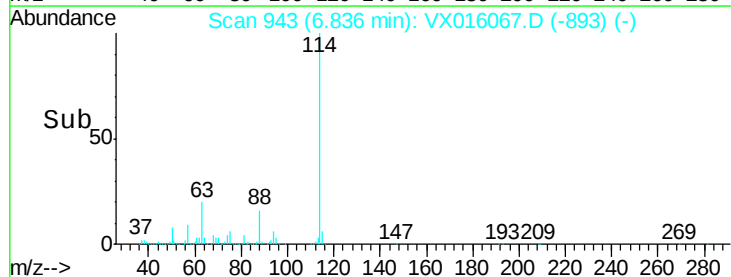
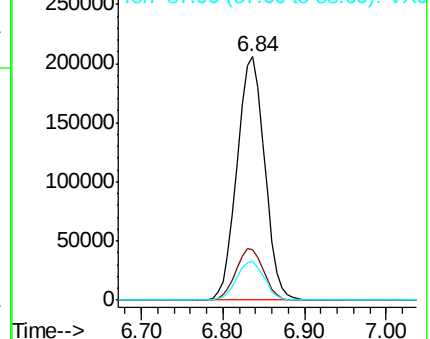
88 15.8 0.0 31.4

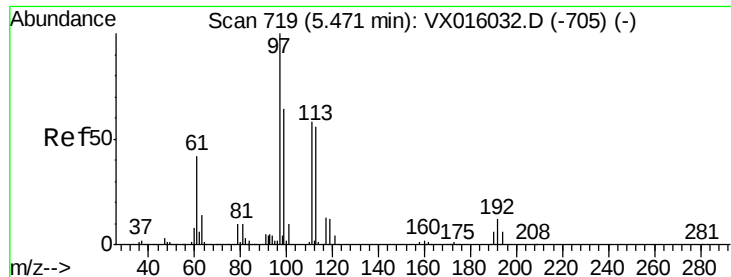


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

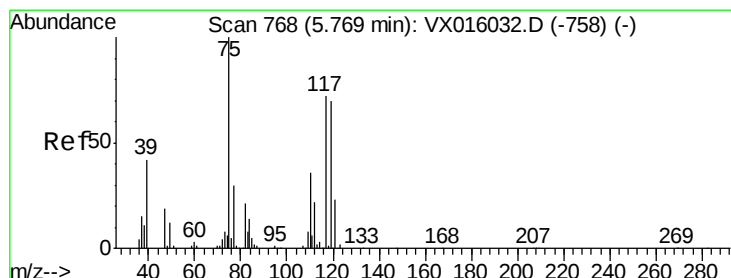
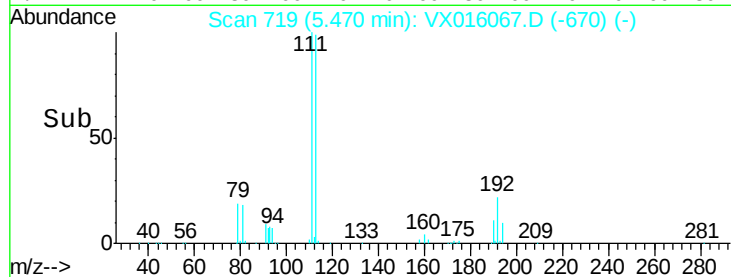
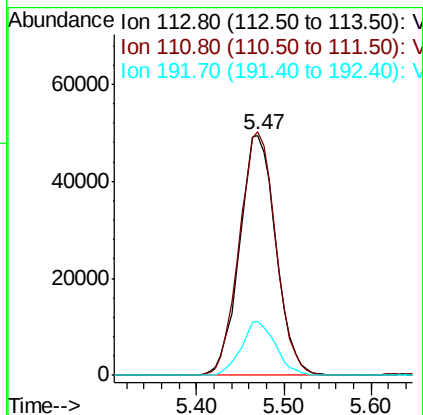
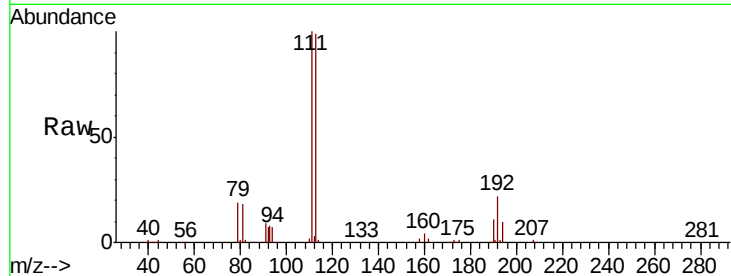




#35
 Dibromofluoromethane
 Concen: 46.845 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX016067.D
 Acq: 05 May 2020 16:28

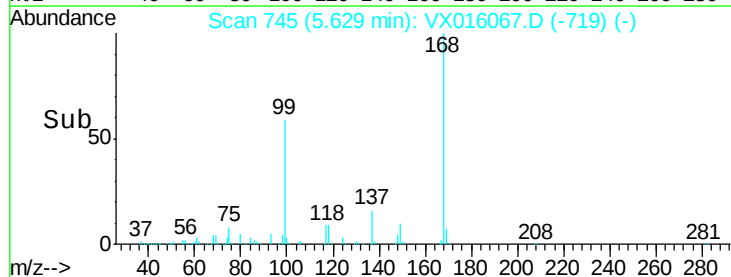
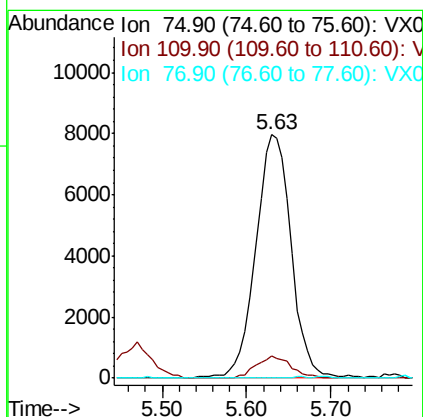
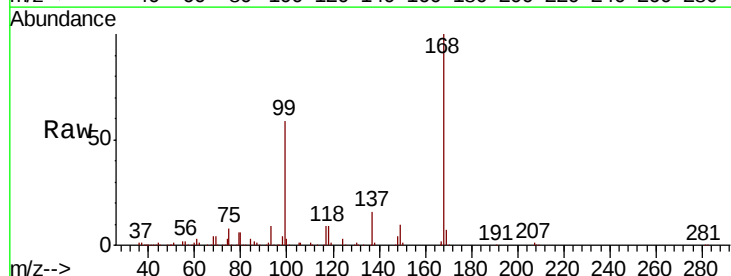
Instrument :
 MSVOA_X
 ClientSampleId :

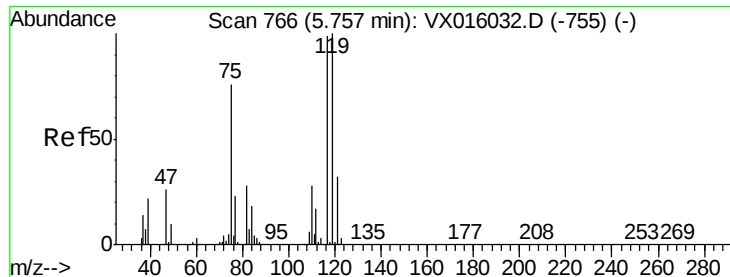
Tot Ion:113 Resp: 142506
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.6 122.4
 192 21.3 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 4.840 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016067.D
 Acq: 05 May 2020 16:28

Tgt Ion: 75 Resp: 22875
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.1 54.1#
 77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 5.906 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016067.D

Acq: 05 May 2020 16:28

Instrument :

MSVOA_X

ClientSampleId :

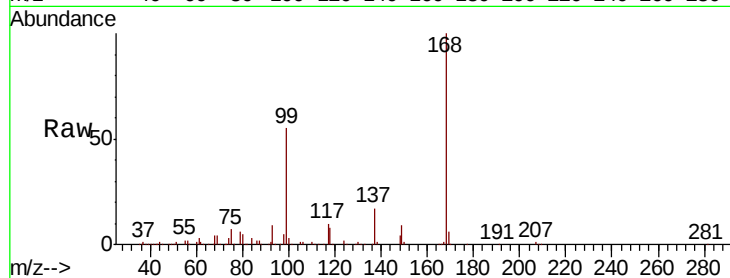
Tot Ion:117 Resp: 28372

Ion Ratio Lower Upper

117 100

119 4.6 80.3 120.5#

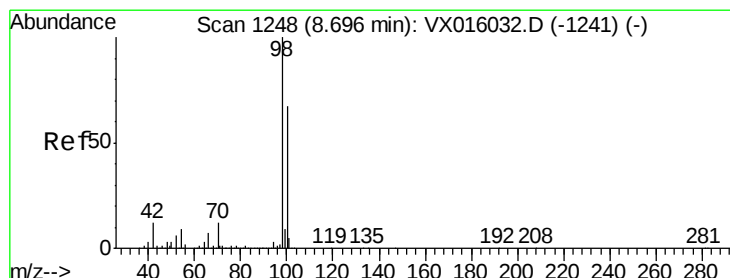
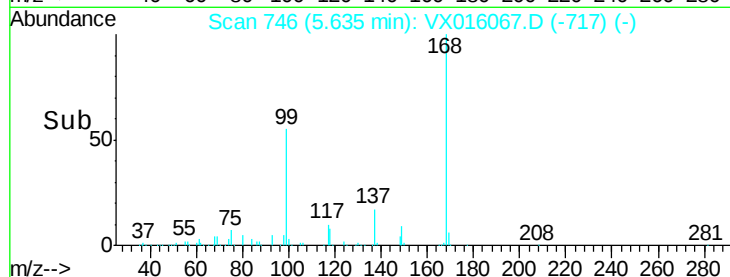
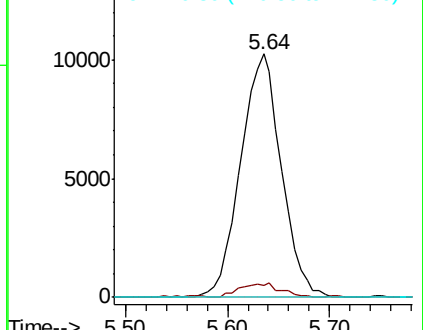
121 0.0 25.7 38.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 50.372 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016067.D

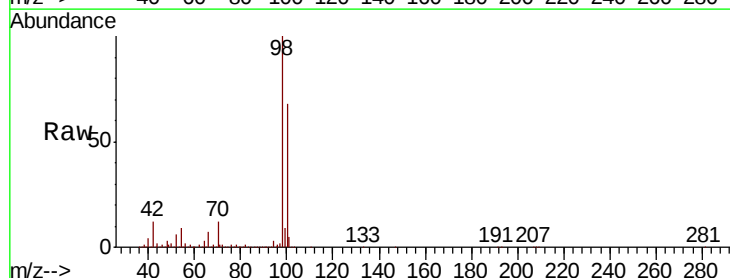
Acq: 05 May 2020 16:28

Tgt Ion: 98 Resp: 590431

Ion Ratio Lower Upper

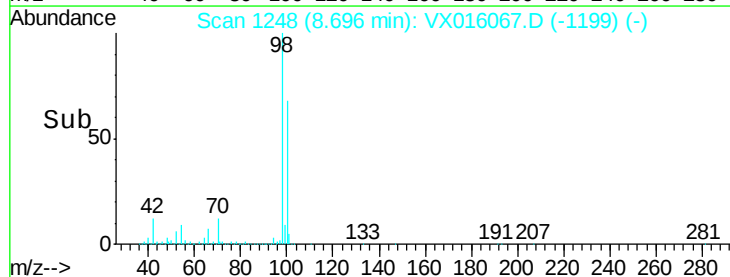
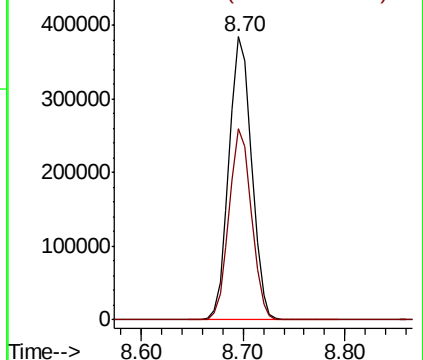
98 100

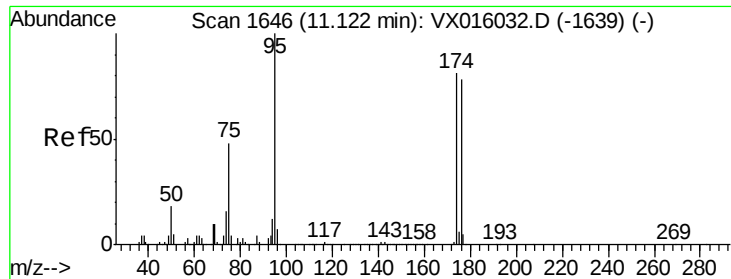
100 66.5 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 53.646 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016067.D

Acq: 05 May 2020 16:28

Instrument :

MSVOA_X

ClientSampled :

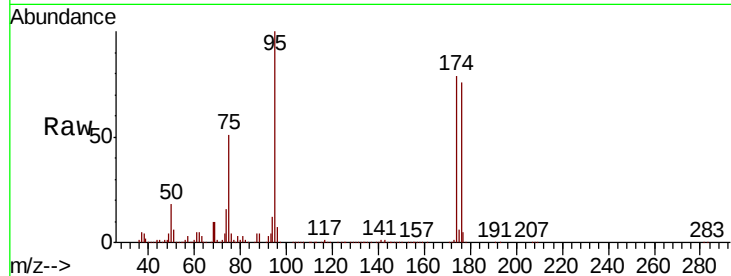
Tot Ion: 95 Resp: 239168

Ion Ratio Lower Upper

95 100

174 80.8 0.0 159.4

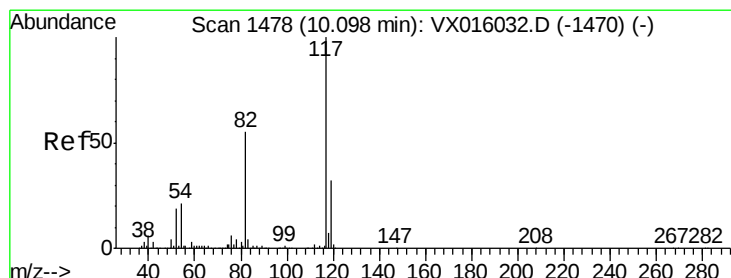
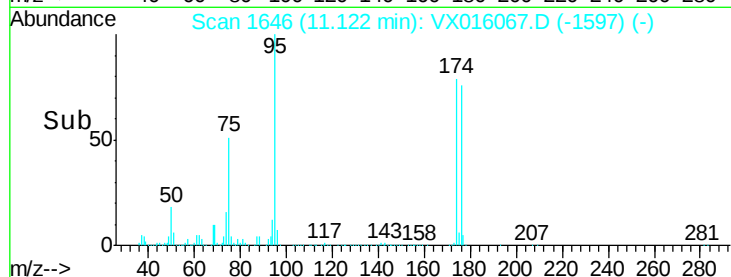
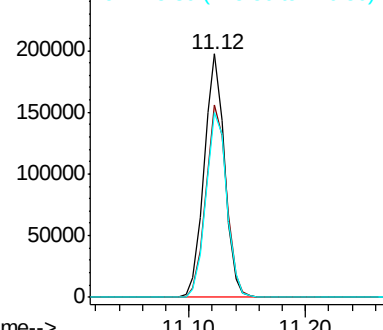
176 78.3 0.0 157.6



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: VX016067.D

Acq: 05 May 2020 16:28

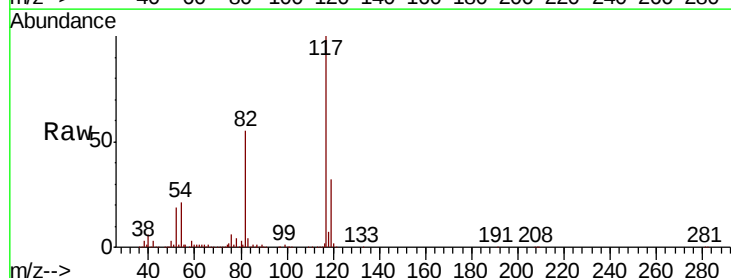
Tgt Ion: 117 Resp: 469857

Ion Ratio Lower Upper

117 100

82 54.9 44.4 66.6

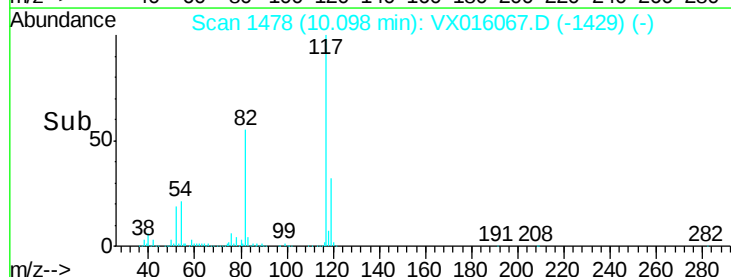
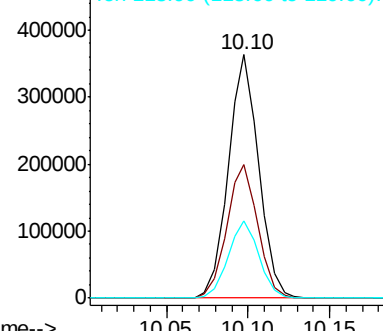
119 31.7 25.5 38.3

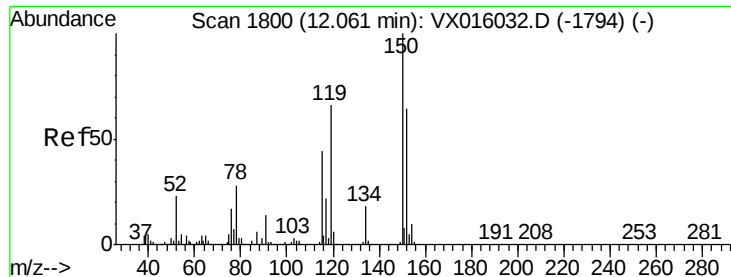


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX016067.D

Acq: 05 May 2020 16:28

Instrument :

MSVOA_X

ClientSampleId :

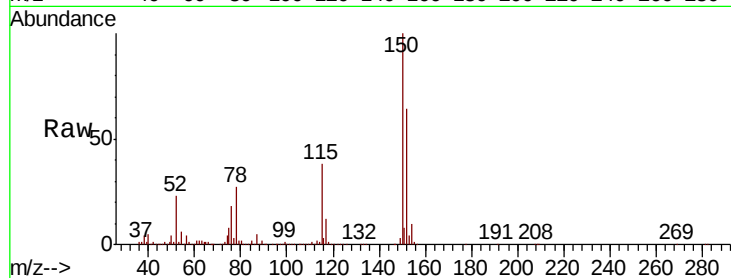
Tot Ion:152 Resp: 247755

Ion Ratio Lower Upper

152 100

115 58.3 41.3 124.1

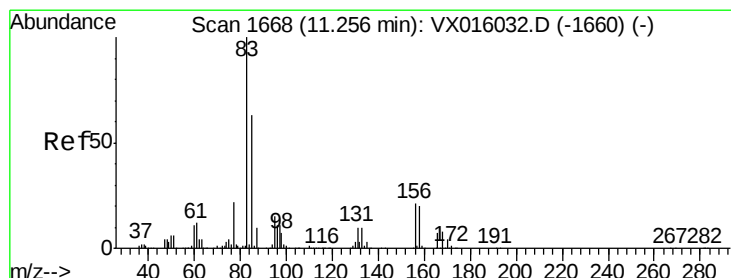
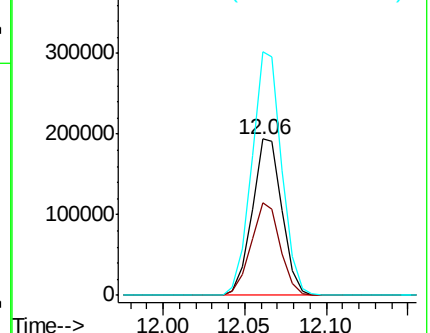
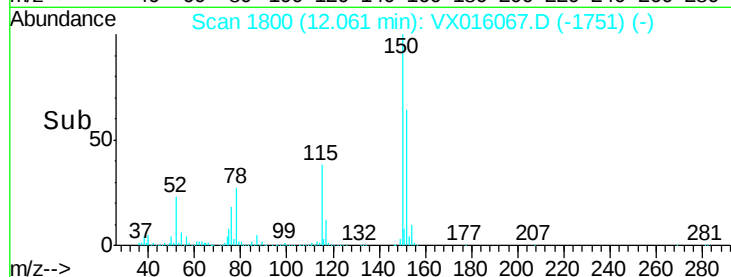
150 156.0 0.0 352.2



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



#75

1,1,2,2-Tetrachloroethane

Concen: 4.864 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016067.D

Acq: 05 May 2020 16:28

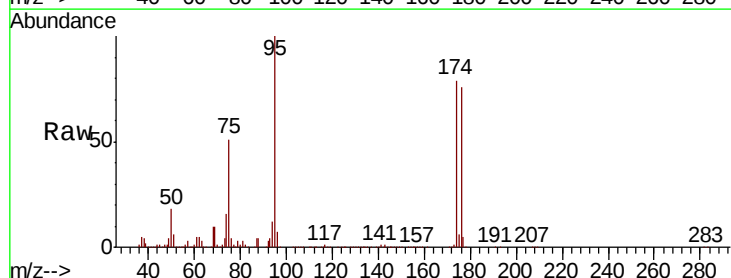
Tgt Ion: 83 Resp: 226

Ion Ratio Lower Upper

83 100

131 162.4 5.1 15.4#

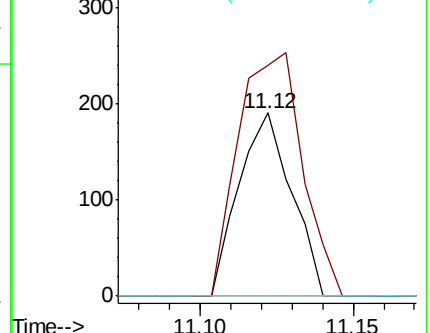
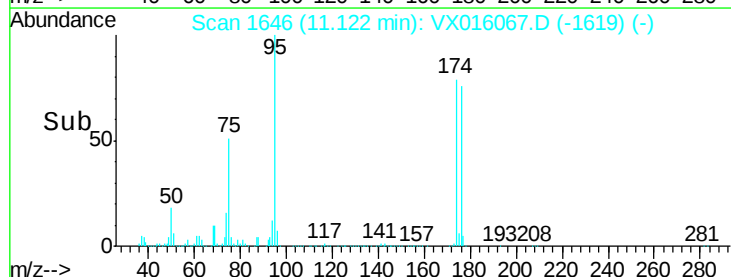
85 0.0 32.0 96.0#

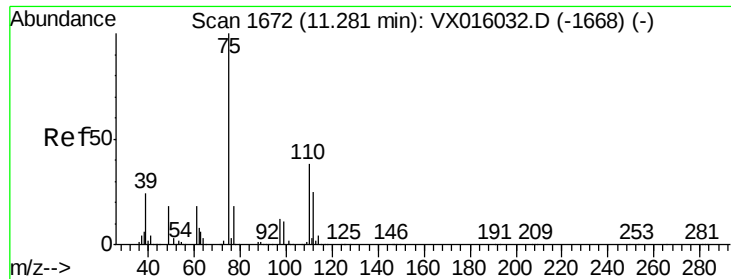


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 21.681 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016067.D

Acq: 05 May 2020 16:28

Instrument :

MSVOA_X

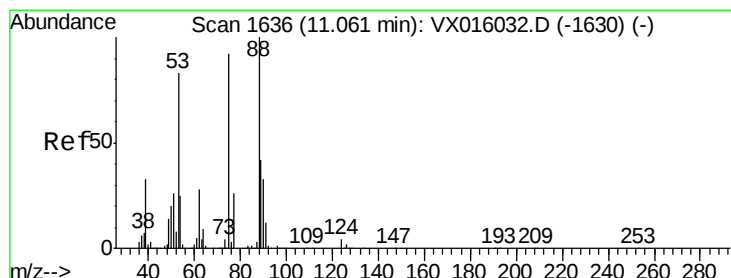
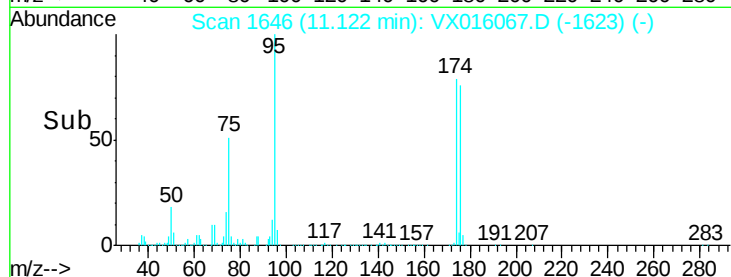
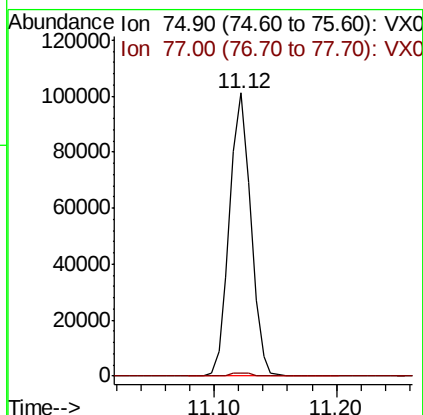
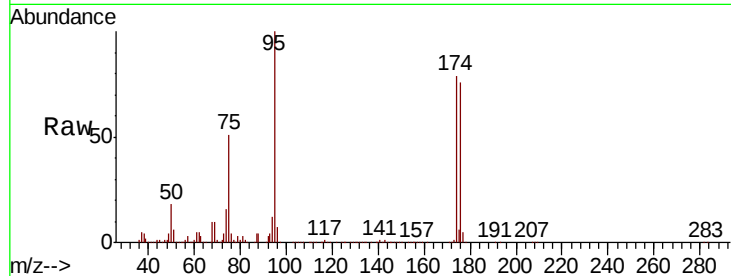
ClientSampled :

Tot Ion: 75 Resp: 121892

Ion Ratio Lower Upper

75 100

77 1.3 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 51.667 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016067.D

Acq: 05 May 2020 16:28

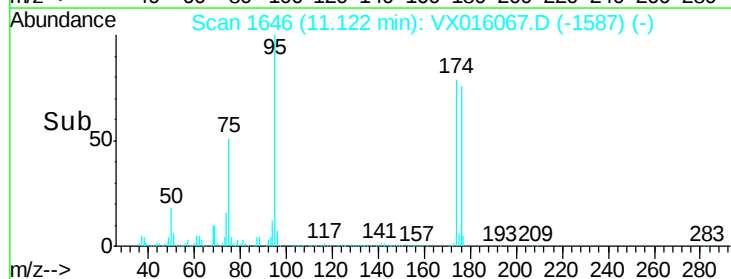
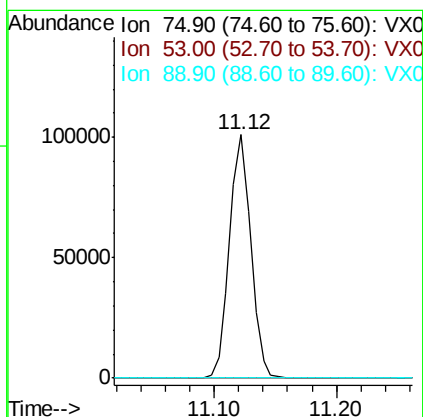
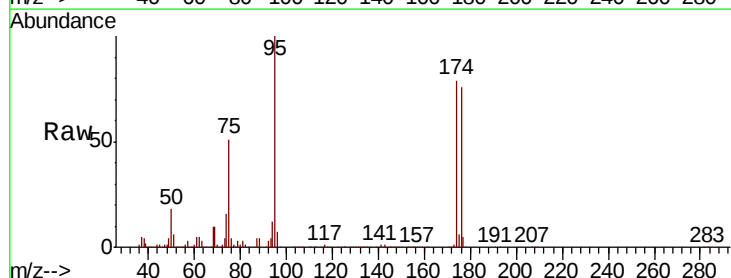
Tgt Ion: 75 Resp: 121892

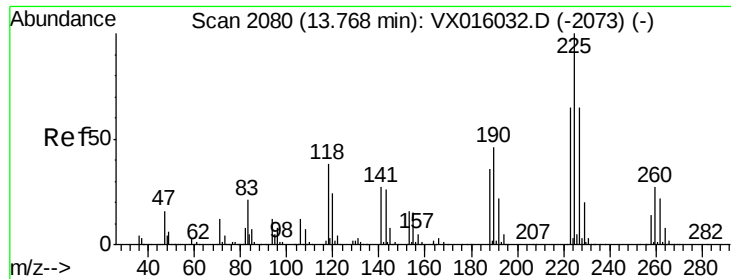
Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

89 0.0 36.7 55.1#





#94

Hexachlorobutadiene

Concen: 0.535 ug/l

RT: 13.77 min Scan# 2081

Delta R.T. 0.01 min

Lab File: VX016067.D

Acq: 05 May 2020 16:28

Instrument :

MSVOA_X

ClientSampleId :

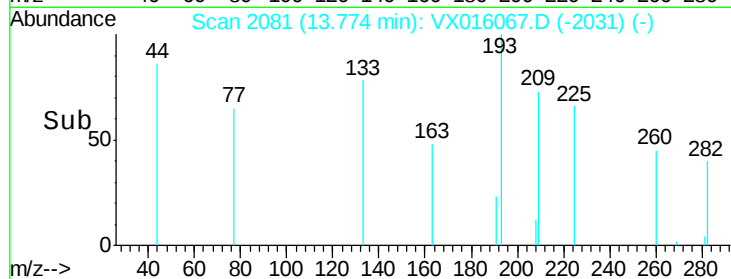
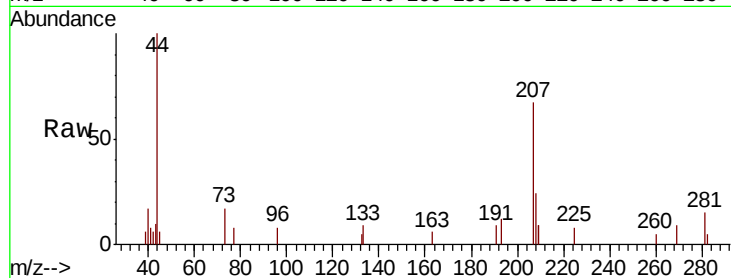
Tot Ion:225 Resp: 30

Ion Ratio Lower Upper

225 100

223 180.0 32.3 96.9#

227 223.3 31.8 95.4#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

