

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050820\
 Data File : VX016124.D
 Acq On : 08 May 2020 16:26
 Operator : JC/SP
 Sample : L2552-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 09 01:49:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	268857	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	447077	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	435921	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	229401	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	166631	47.10	ug/l	0.00
Spiked Amount			Recovery	=	94.20%	
35) Dibromofluoromethane	5.47	113	131393	46.39	ug/l	0.00
Spiked Amount			Recovery	=	92.78%	
50) Toluene-d8	8.70	98	548317	50.24	ug/l	0.00
Spiked Amount			Recovery	=	100.48%	
62) 4-Bromofluorobenzene	11.12	95	224298	54.03	ug/l	0.00
Spiked Amount			Recovery	=	108.06%	

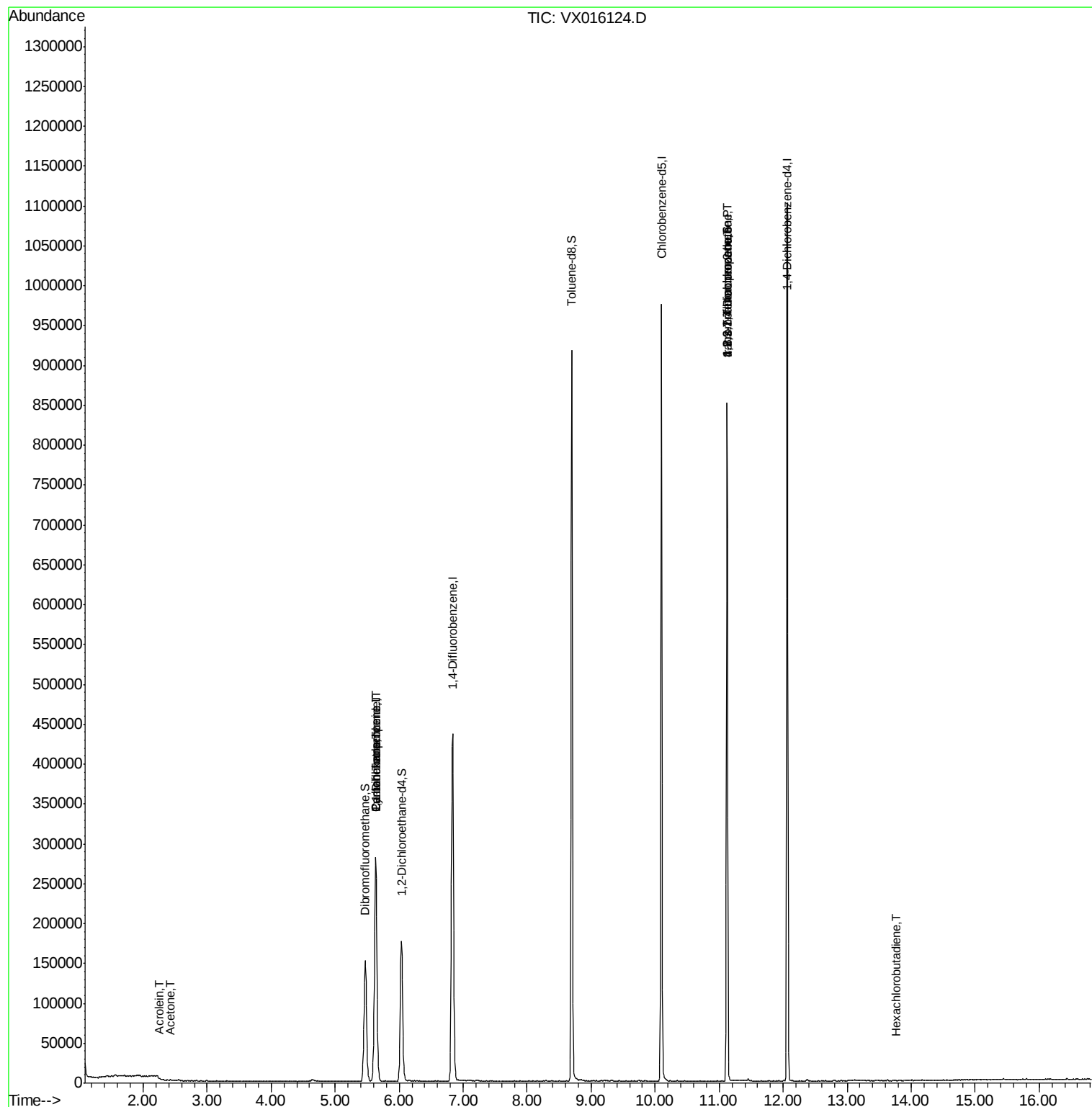
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.26	56	207	0.370	ug/l #	1
16) Acetone	2.42	43	808	0.512	ug/l #	80
17) Carbon Disulfide	2.56	76	1519	Below Cal		96
31) Cyclohexane	5.63	56	5434	1.106	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	20223	4.595	ug/l #	49
38) Carbon Tetrachloride	5.63	117	25529	5.707	ug/l #	15
75) 1,1,2,2-Tetrachloroethane	11.12	83	165	2.102	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	112068	21.528	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	112068	51.303	ug/l #	13
94) Hexachlorobutadiene	13.77	225	99	0.565	ug/l #	50

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

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Quant Title : SW846 8260
QLast Update : Wed May 06 06:43:32 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: VX016124.D

Acq: 08 May 2020 16:26

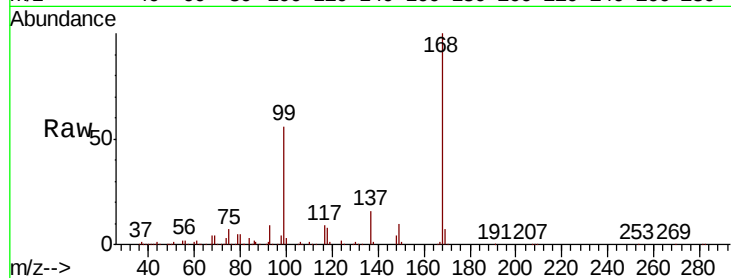
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 268857

Ion Ratio Lower Upper

168 100

99 55.6 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

100000

80000

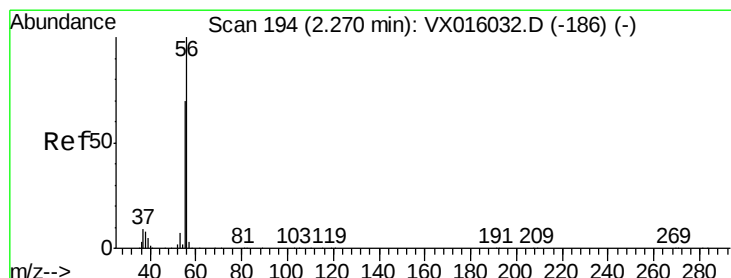
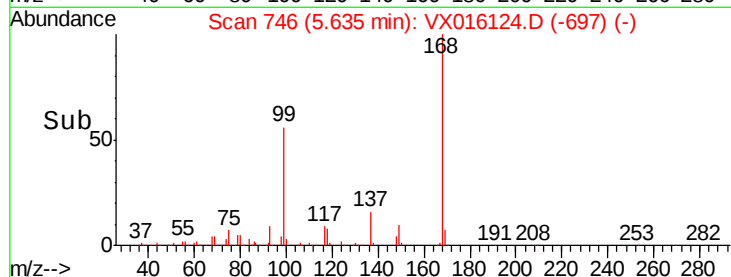
60000

40000

20000

0

Time-->



#13

Acrolein

Concen: 0.370 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX016124.D

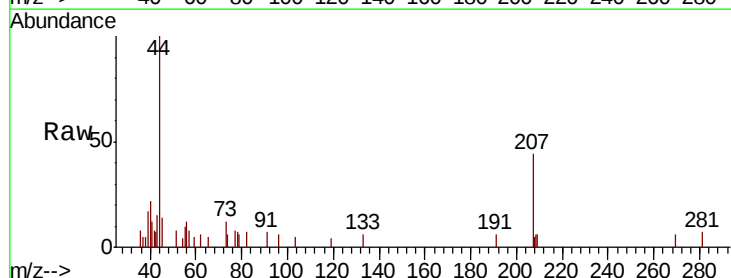
Acq: 08 May 2020 16:26

Tgt Ion: 56 Resp: 207

Ion Ratio Lower Upper

56 100

55 215.0 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.26

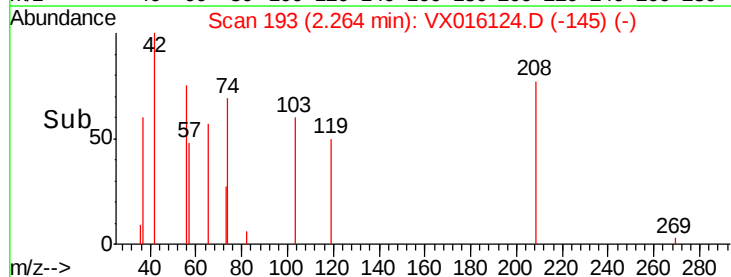
150

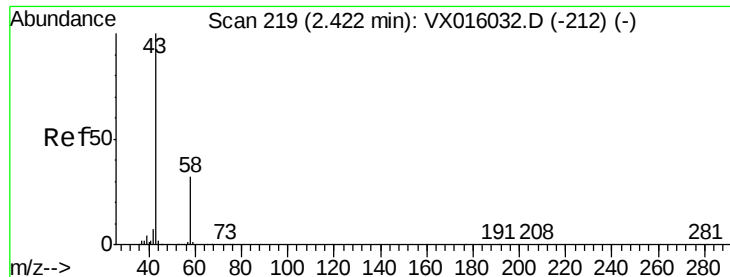
100

50

0

Time-->

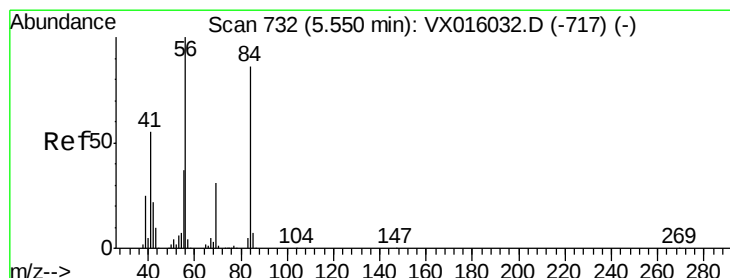
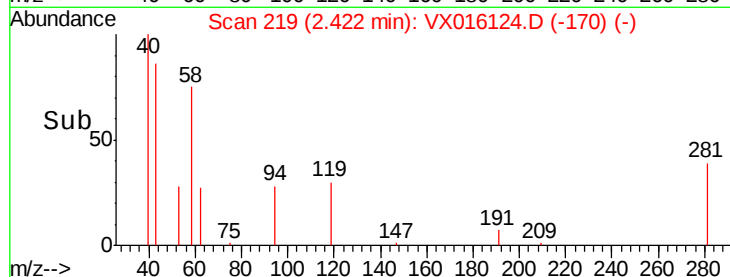
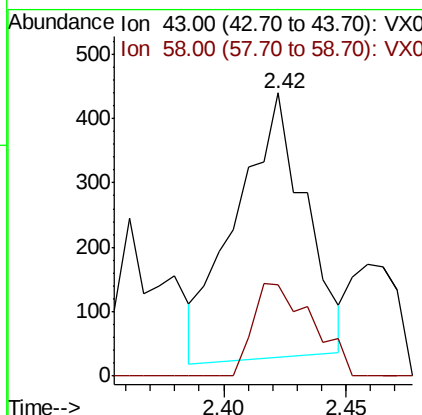
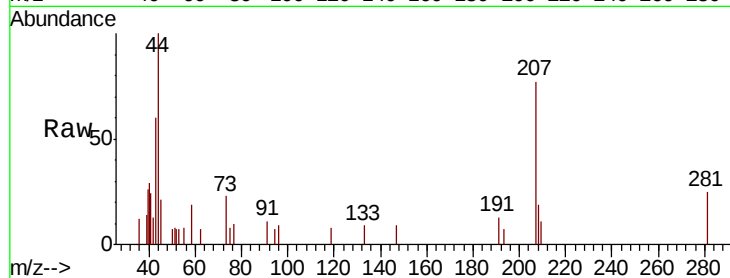




#16
Acetone
Concen: 0.512 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX016124.D
Acq: 08 May 2020 16:26

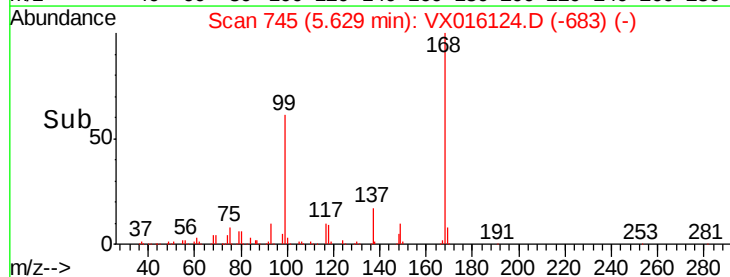
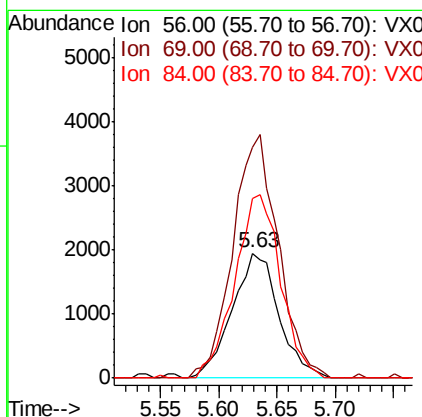
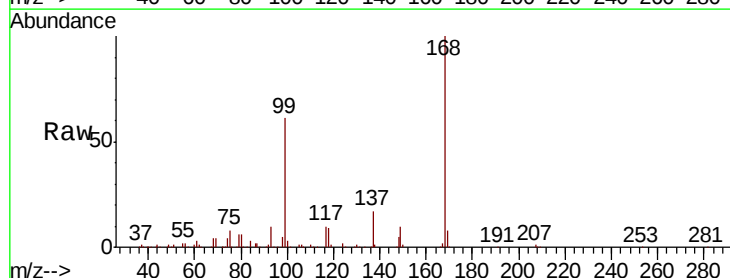
Instrument :
MSVOA_X
ClientSampled :

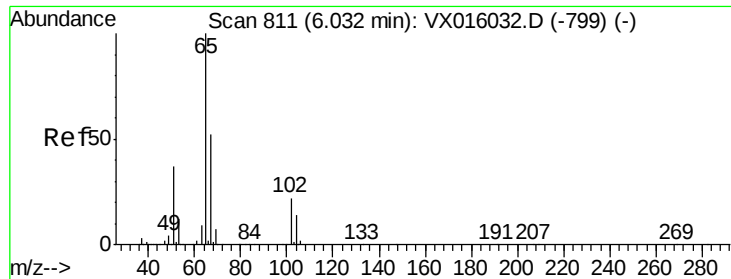
Tot Ion: 43 Resp: 808
Ion Ratio Lower Upper
43 100
58 43.0 25.4 38.0#



#31
Cyclohexane
Concen: 1.106 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016124.D
Acq: 08 May 2020 16:26

Tgt Ion: 56 Resp: 5434
Ion Ratio Lower Upper
56 100
69 185.0 25.0 37.6#
84 143.8 69.0 103.6#





#33

1,2-Dichloroethane-d4

Concen: 47.099 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016124.D

Acq: 08 May 2020 16:26

Instrument :

MSVOA_X

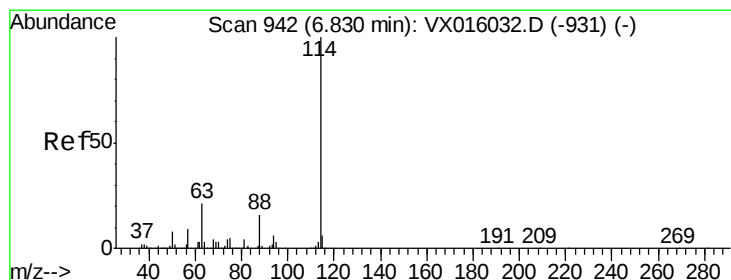
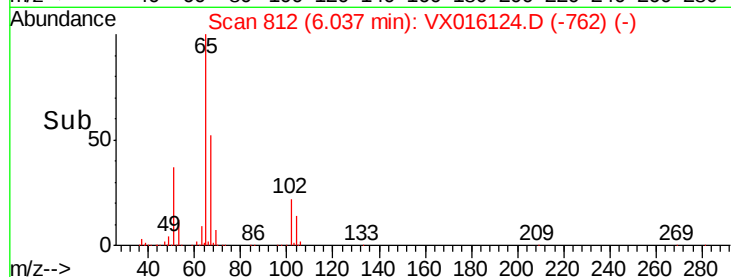
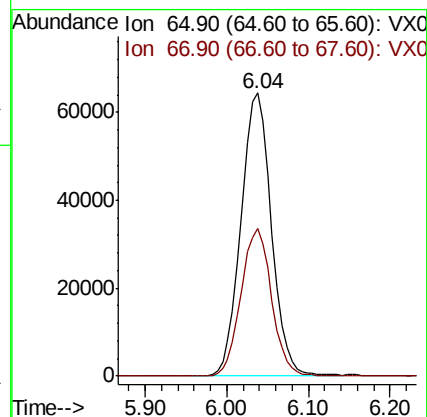
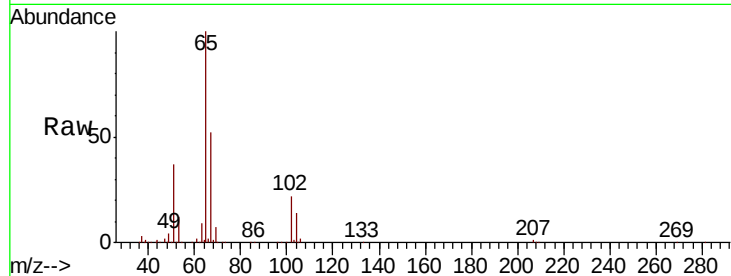
ClientSampleId :

Tot Ion: 65 Resp: 166631

Ion Ratio Lower Upper

65 100

67 52.3 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016124.D

Acq: 08 May 2020 16:26

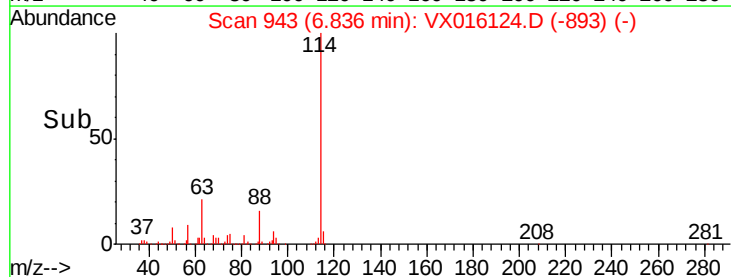
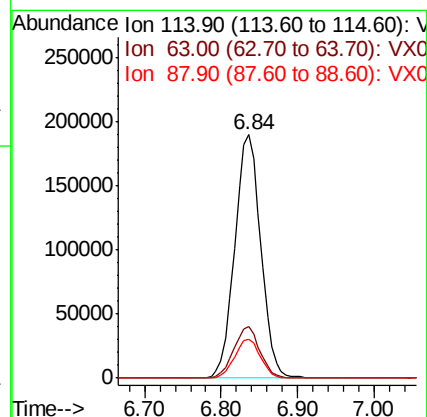
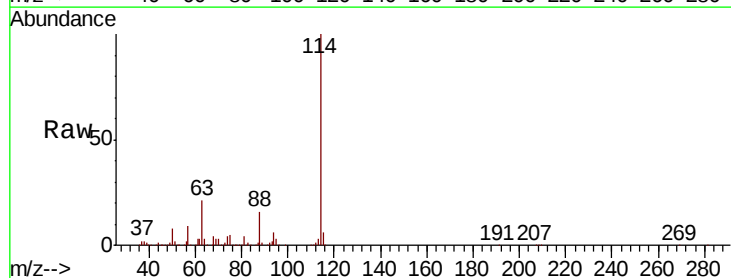
Tgt Ion: 114 Resp: 447077

Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.8

88 16.1 0.0 31.4

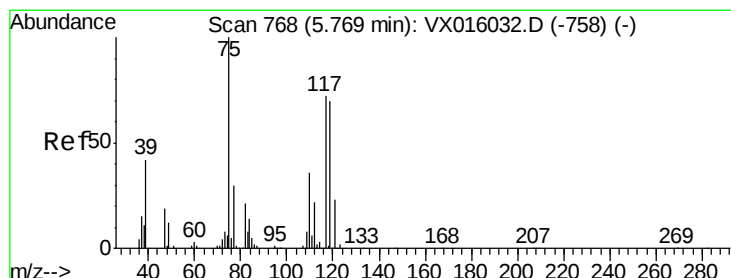
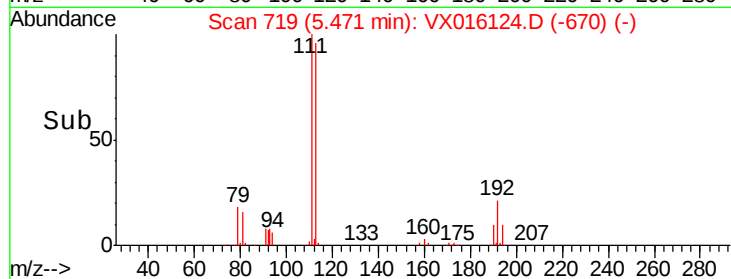
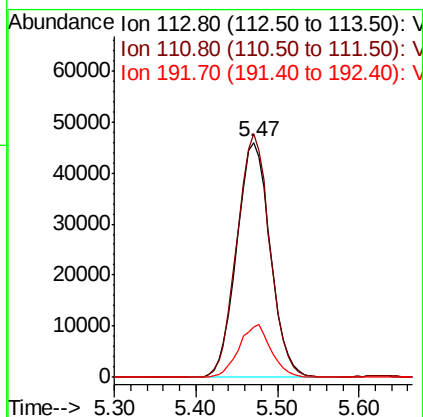
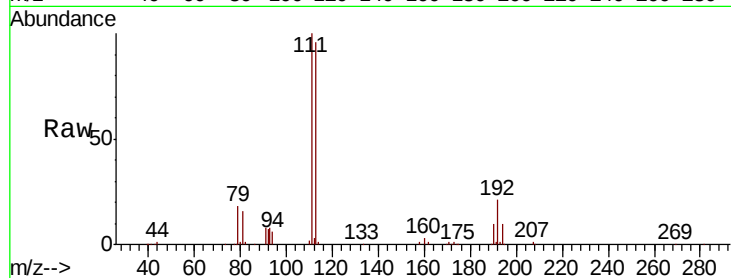




#35
 Dibromofluoromethane
 Concen: 46.389 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX016124.D
 Acq: 08 May 2020 16:26

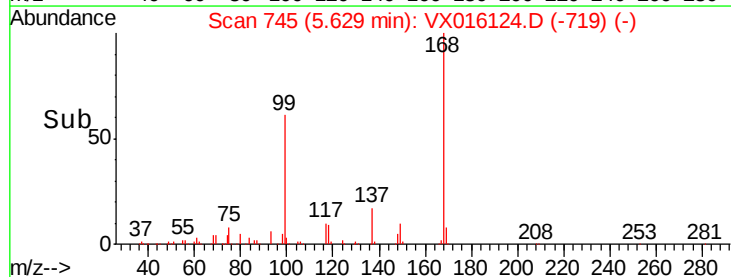
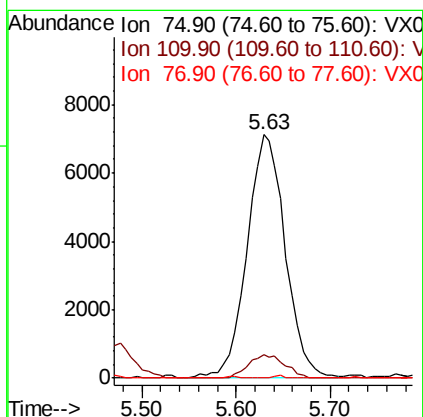
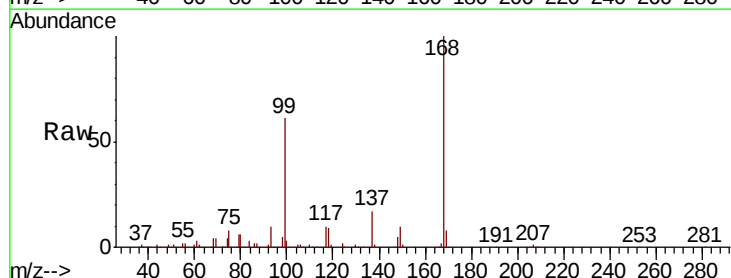
Instrument :
 MSVOA_X
 ClientSampleId :

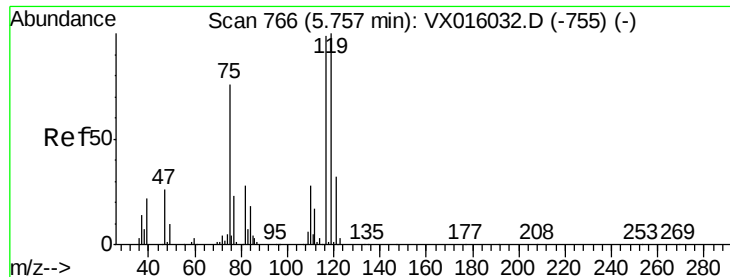
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.6	122.4
192	21.5	17.0	25.4



#36
 1,1-Dichloropropene
 Concen: 4.595 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016124.D
 Acq: 08 May 2020 16:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.1	54.1#
77	0.3	25.0	37.6#

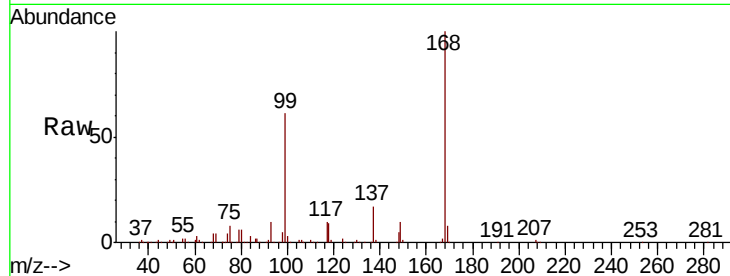




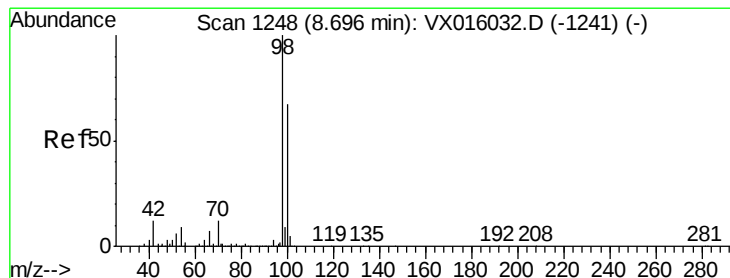
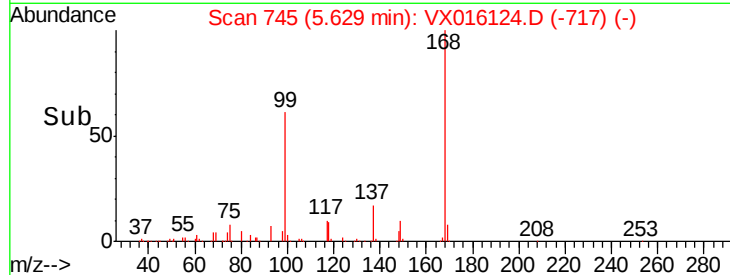
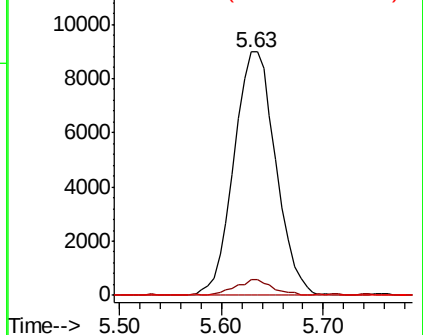
#38
Carbon Tetrachloride
Concen: 5.707 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.13 min
Lab File: VX016124.D
Acq: 08 May 2020 16:26

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 25529
Ion Ratio Lower Upper
117 100
119 6.4 80.3 120.5#
121 0.0 25.7 38.5#

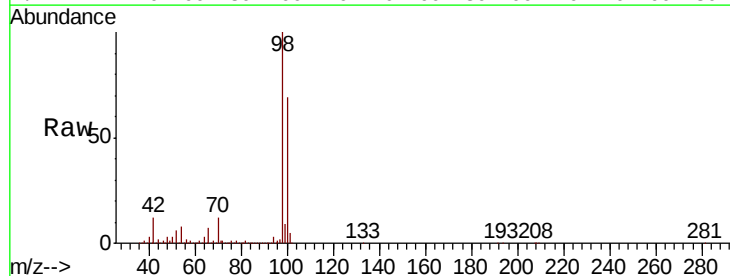


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

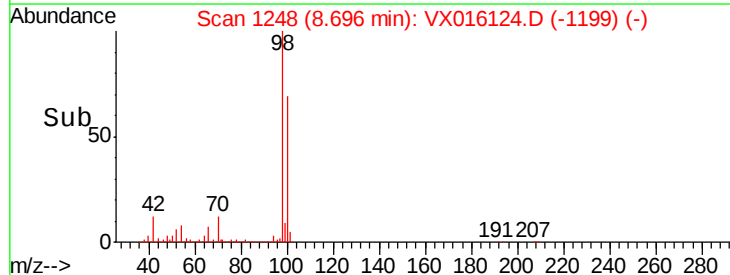
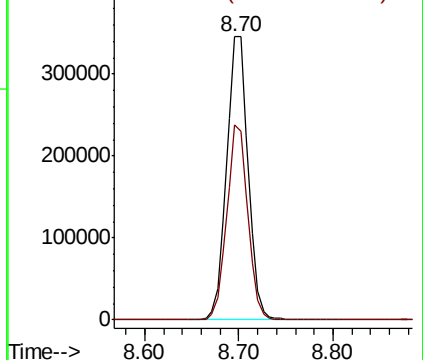


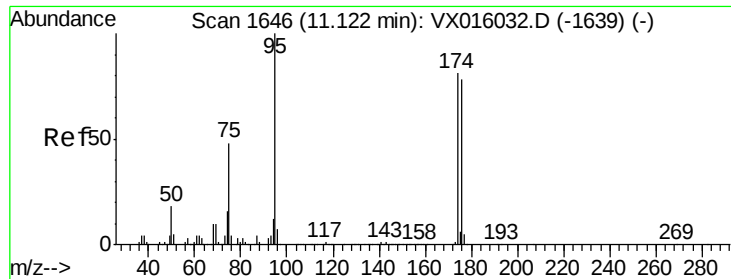
#50
Toluene-d8
Concen: 50.242 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016124.D
Acq: 08 May 2020 16:26

Tgt Ion: 98 Resp: 548317
Ion Ratio Lower Upper
98 100
100 67.4 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: 54.035 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016124.D

Acq: 08 May 2020 16:26

Instrument :

MSVOA_X

ClientSampled :

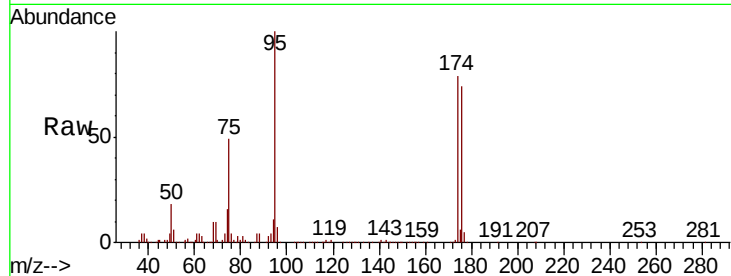
Tot Ion: 95 Resp: 224298

Ion Ratio Lower Upper

95 100

174 80.4 0.0 159.4

176 78.4 0.0 157.6



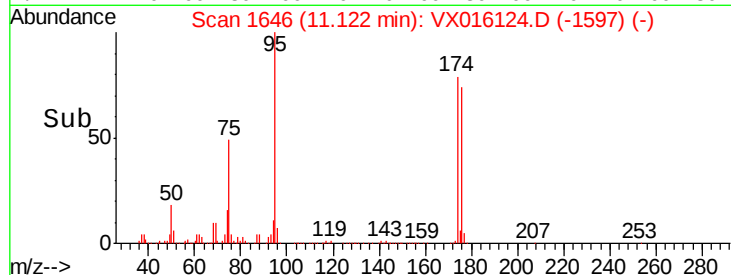
Abundance Ion 94.90 (94.60 to 95.60): VX016032.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX016032.D (-1639) (-)

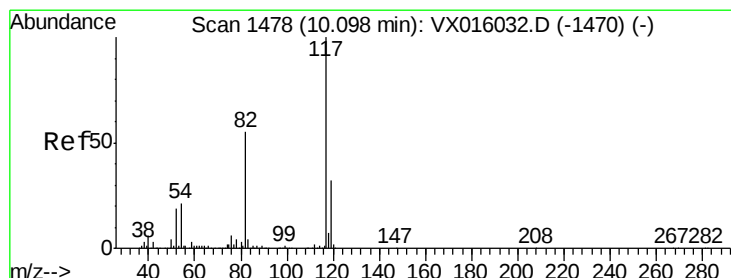
Ion 175.80 (175.50 to 176.50): VX016032.D (-1639) (-)

11.12

11.10 11.20



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016124.D

Acq: 08 May 2020 16:26

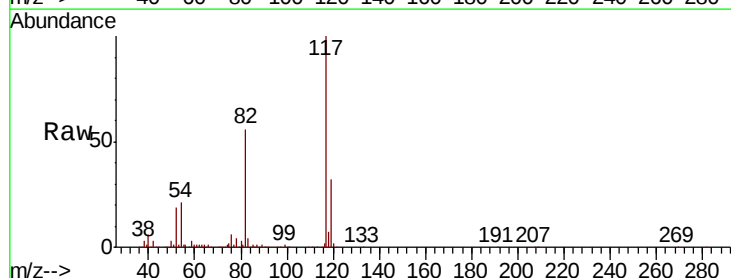
Tgt Ion: 117 Resp: 435921

Ion Ratio Lower Upper

117 100

82 55.6 44.4 66.6

119 32.0 25.5 38.3



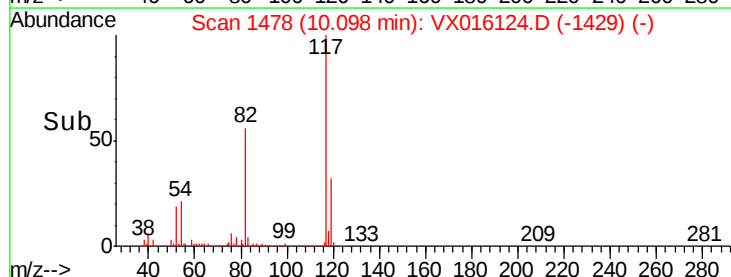
Abundance Ion 116.90 (116.60 to 117.60): VX016032.D (-1470) (-)

Ion 82.00 (81.70 to 82.70): VX016032.D (-1470) (-)

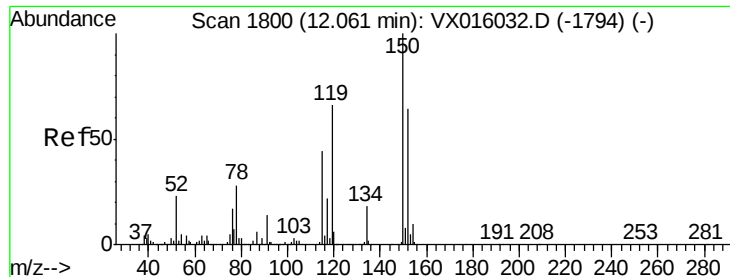
Ion 118.90 (118.60 to 119.60): VX016032.D (-1470) (-)

10.10

10.00 10.20



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1801

Delta R.T. 0.01 min

Lab File: VX016124.D

Acq: 08 May 2020 16:26

Instrument :

MSVOA_X

ClientSampleId :

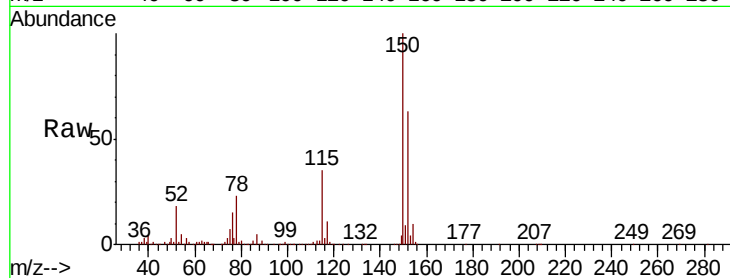
Tot Ion:152 Resp: 229401

Ion Ratio Lower Upper

152 100

115 58.8 41.3 124.1

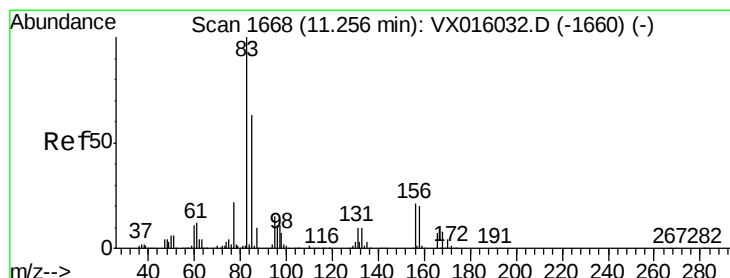
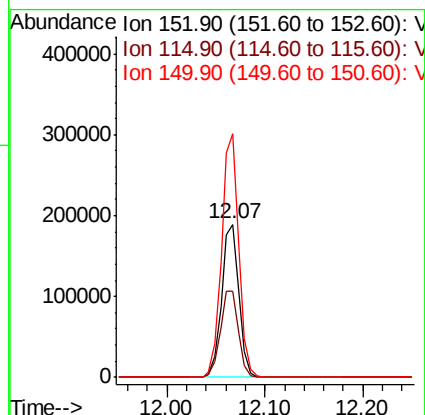
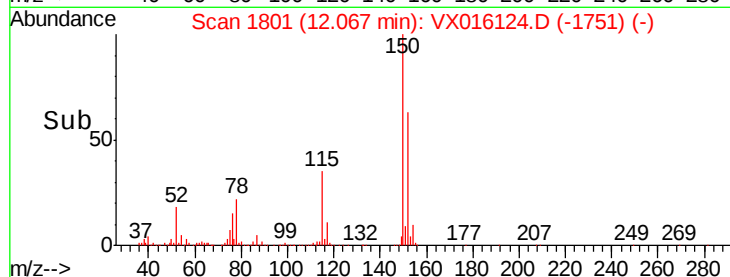
150 157.6 0.0 352.2



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: 2.102 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016124.D

Acq: 08 May 2020 16:26

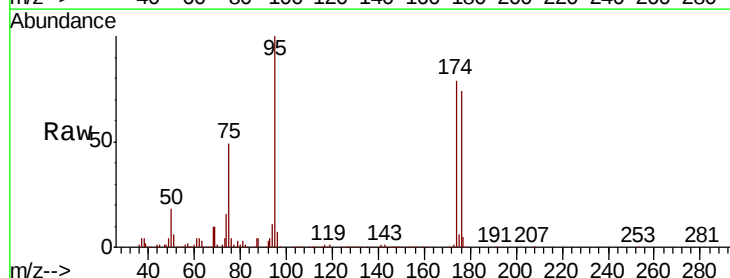
Tgt Ion: 83 Resp: 165

Ion Ratio Lower Upper

83 100

131 229.7 5.1 15.4#

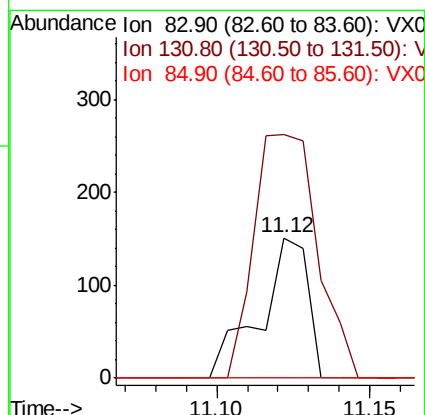
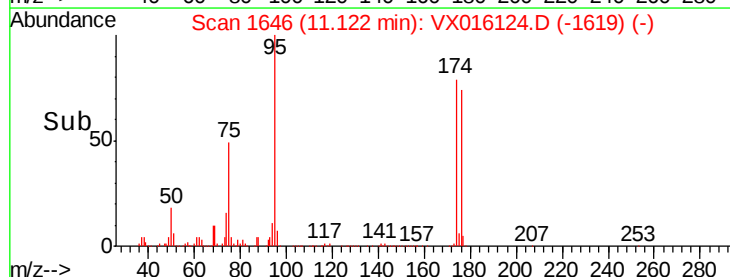
85 0.0 32.0 96.0#

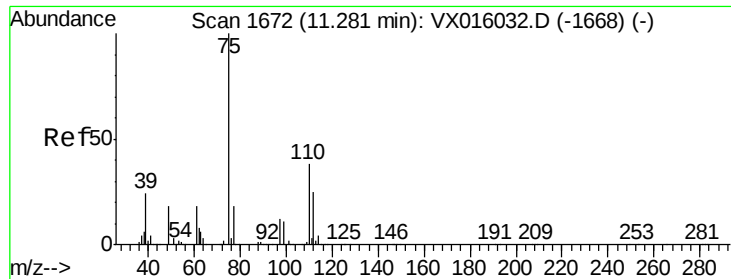


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 21.528 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016124.D

Acq: 08 May 2020 16:26

Instrument :

MSVOA_X

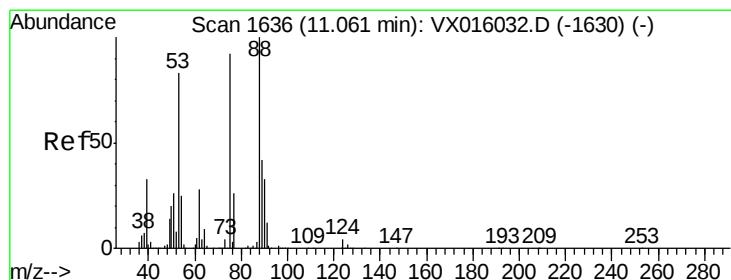
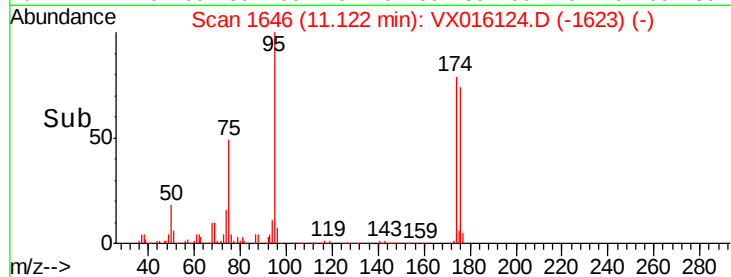
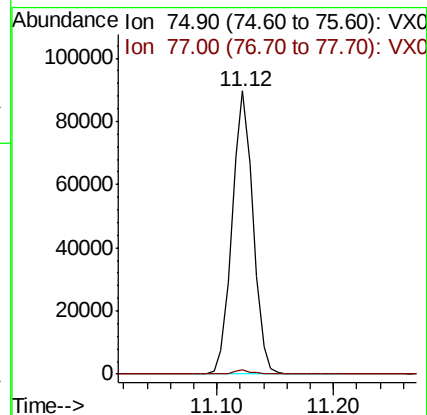
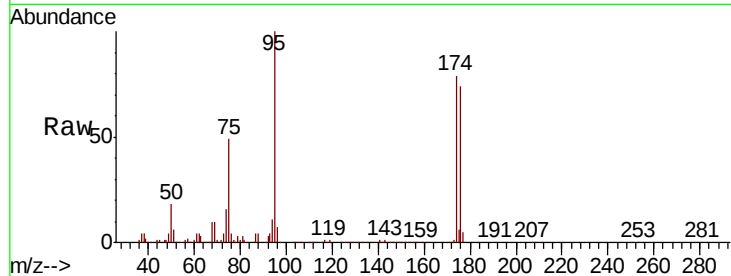
ClientSampleId :

Tot Ion: 75 Resp: 112068

Ion Ratio Lower Upper

75 100

77 1.4 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 51.303 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016124.D

Acq: 08 May 2020 16:26

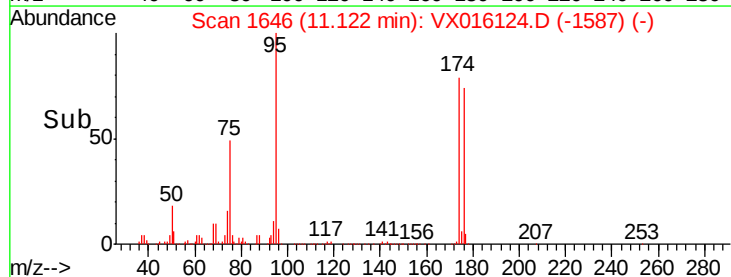
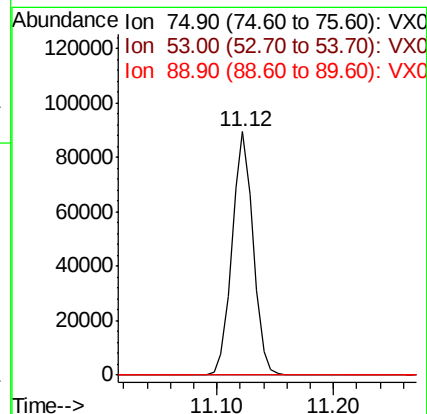
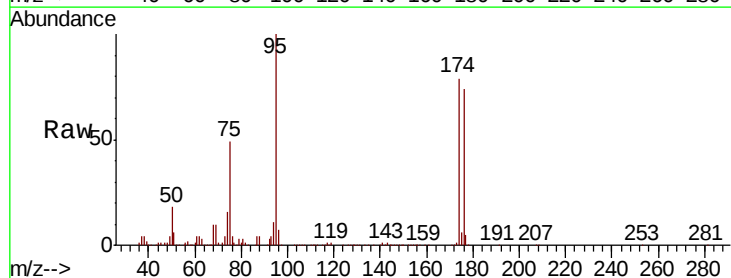
Tgt Ion: 75 Resp: 112068

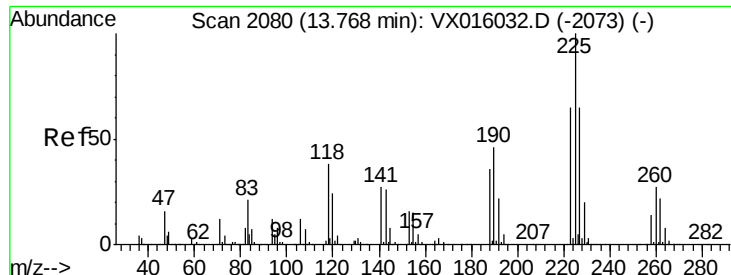
Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

89 0.0 36.7 55.1#





#94
 Hexachlorobutadiene
 Concen: 0.565 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX016124.D
 Acq: 08 May 2020 16:26

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
225	100		
223	49.5	32.3	96.9
227	0.0	31.8	95.4

