

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050820\
 Data File : VX016122.D
 Acq On : 08 May 2020 15:41
 Operator : JC/SP
 Sample : L2563-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 09 01:49:17 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	273088	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	452857	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	441378	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	225728	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	170278	47.38	ug/l	0.00
Spiked Amount			Recovery	=	94.76%	
35) Dibromofluoromethane	5.47	113	133387	46.49	ug/l	0.00
Spiked Amount			Recovery	=	92.98%	
50) Toluene-d8	8.70	98	557310	50.41	ug/l	0.00
Spiked Amount			Recovery	=	100.82%	
62) 4-Bromofluorobenzene	11.12	95	226209	53.80	ug/l	0.00
Spiked Amount			Recovery	=	107.60%	

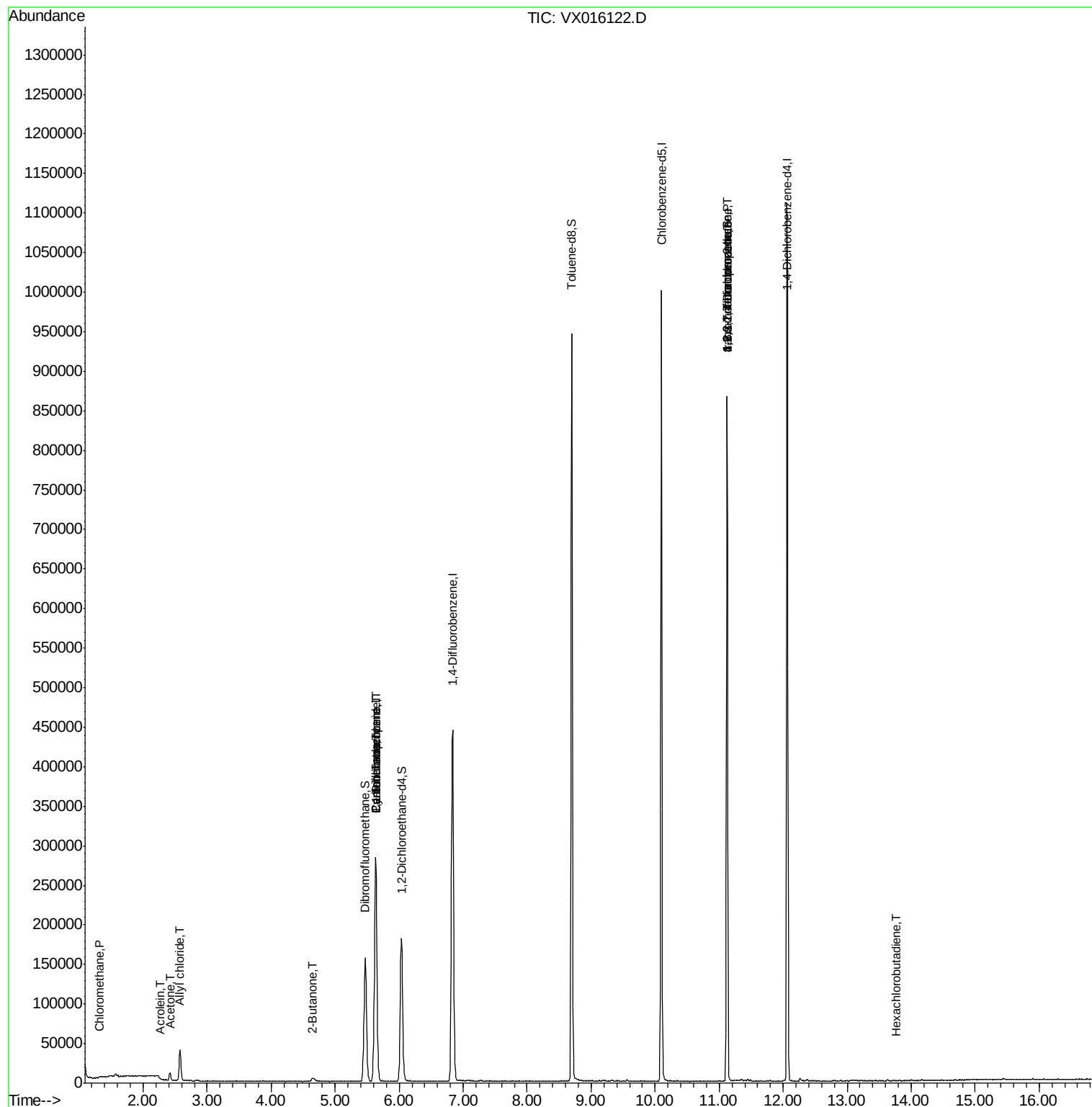
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	844	0.251	ug/l #	78
13) Acrolein	2.28	56	224	0.394	ug/l #	41
14) Allyl chloride	2.57	41	3729	0.716	ug/l #	54
16) Acetone	2.42	43	10480	6.536	ug/l	97
17) Carbon Disulfide	2.55	76	1702	Below Cal		100
25) 2-Butanone	4.64	43	666	0.258	ug/l #	85
31) Cyclohexane	5.64	56	5633	1.128	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	20691	4.642	ug/l #	49
38) Carbon Tetrachloride	5.64	117	26480	5.844	ug/l #	14
75) 1,1,2,2-Tetrachloroethane	11.12	83	195	2.113	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	112763	22.014	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	112763	52.461	ug/l #	13
94) Hexachlorobutadiene	13.77	225	22	0.533	ug/l #	1

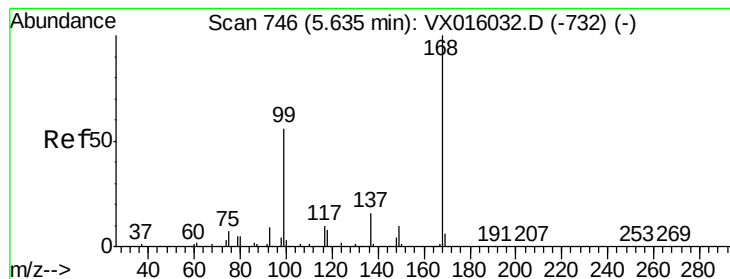
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016122.D

Acq: 08 May 2020 15:41

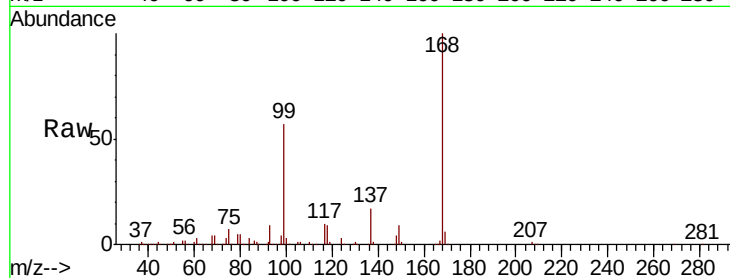
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 273088

Ion Ratio Lower Upper

168 100

99 57.0 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

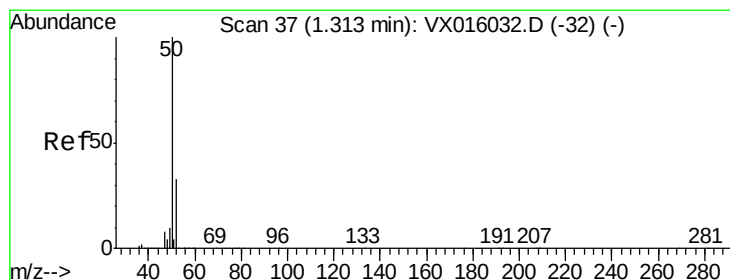
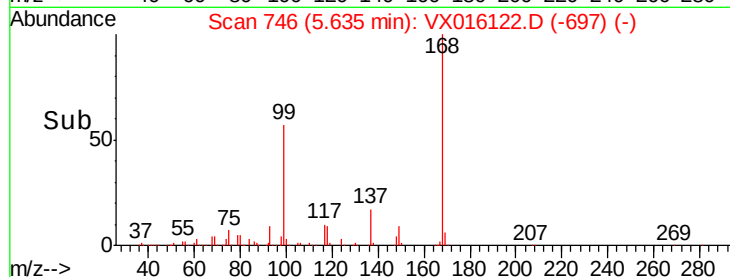
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.251 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016122.D

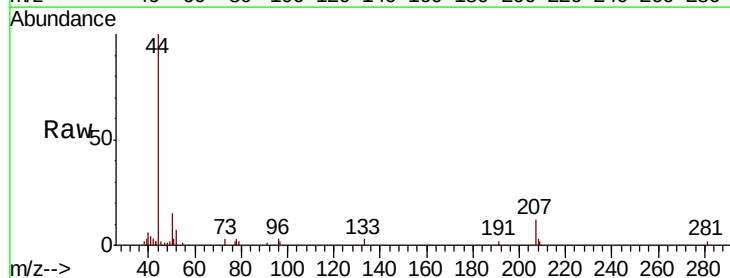
Acq: 08 May 2020 15:41

Tgt Ion: 50 Resp: 844

Ion Ratio Lower Upper

50 100

52 44.8 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

800

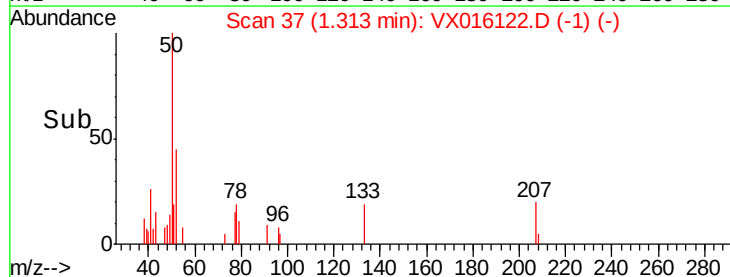
600

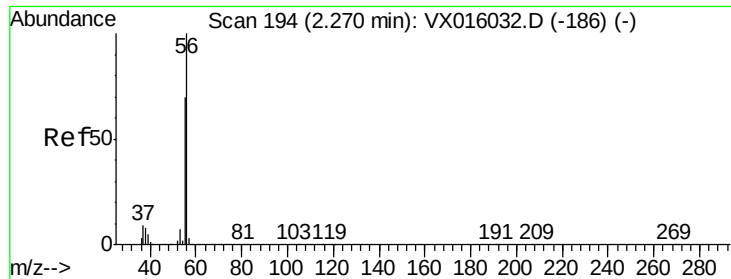
400

200

0

Time-->

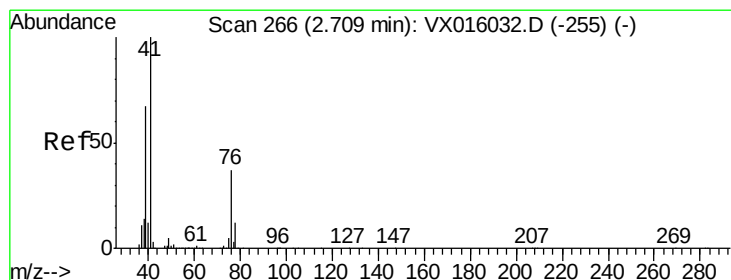
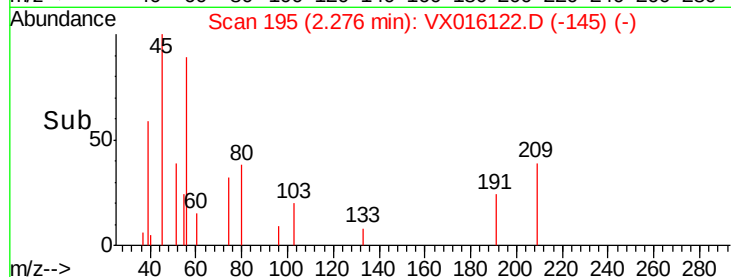
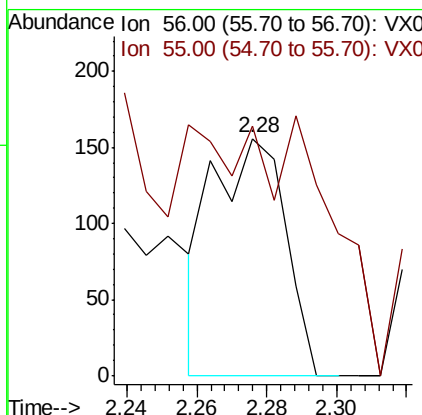
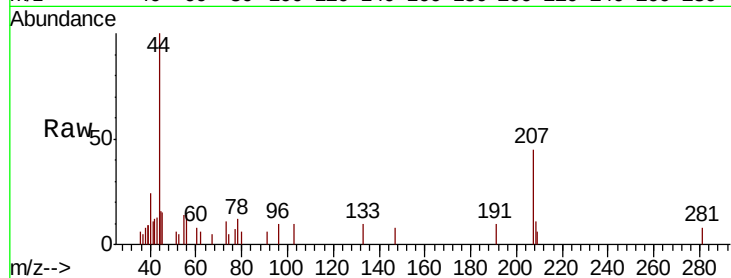




#13
Acrolein
Concen: 0.394 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX016122.D
Acq: 08 May 2020 15:41

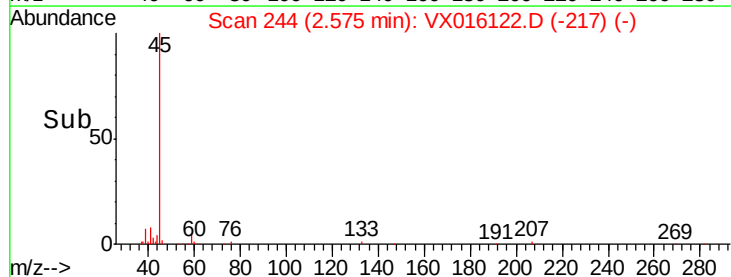
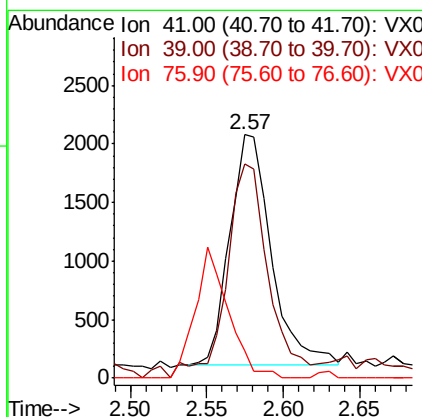
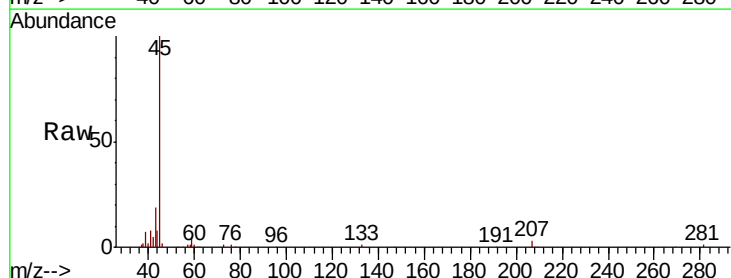
Instrument :
MSVOA_X
ClientSampleId :

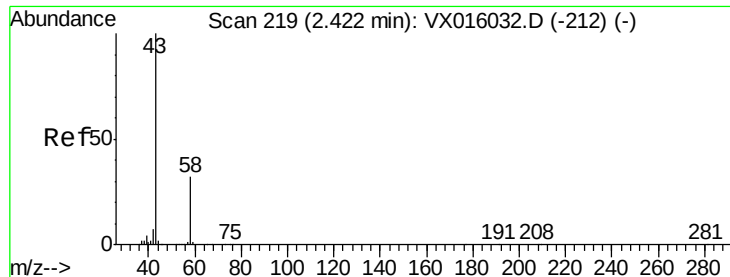
Tot Ion: 56 Resp: 224
Ion Ratio Lower Upper
56 100
55 22.3 56.5 84.7#



#14
Allyl chloride
Concen: 0.716 ug/l
RT: 2.57 min Scan# 244
Delta R.T. -0.13 min
Lab File: VX016122.D
Acq: 08 May 2020 15:41

Tgt Ion: 41 Resp: 3729
Ion Ratio Lower Upper
41 100
39 93.6 50.5 75.7#
76 0.0 26.6 40.0#

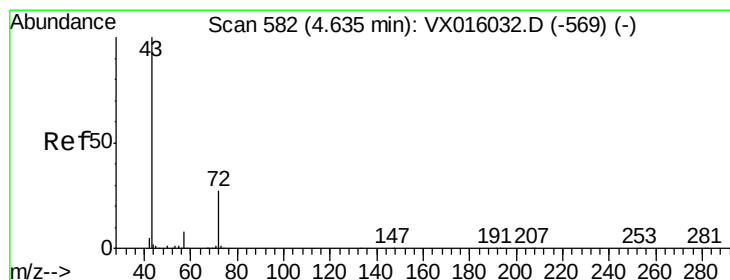
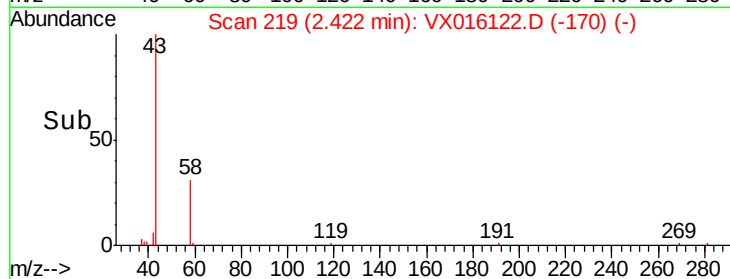
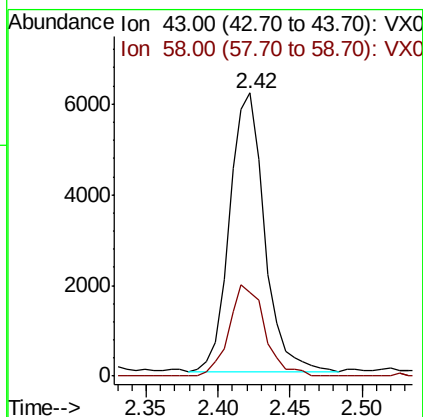
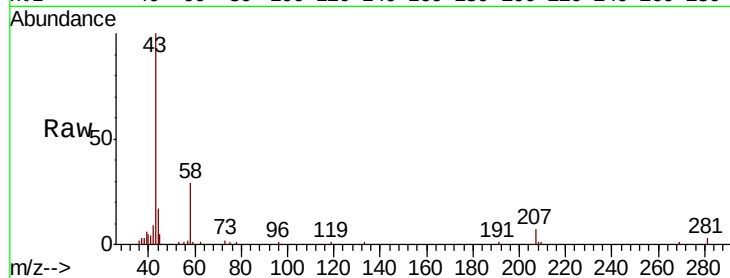




#16
Acetone
Concen: 6.536 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX016122.D
Acq: 08 May 2020 15:41

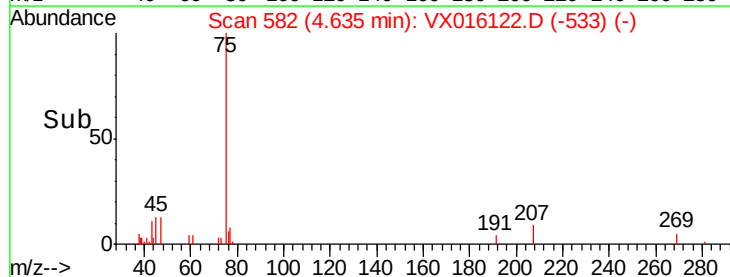
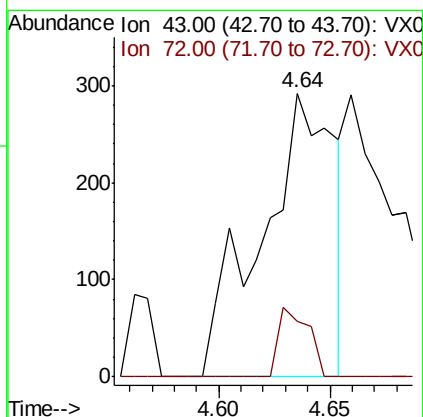
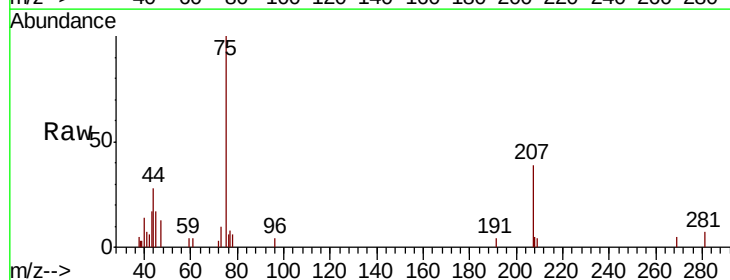
Instrument :
MSVOA_X
ClientSampleId :

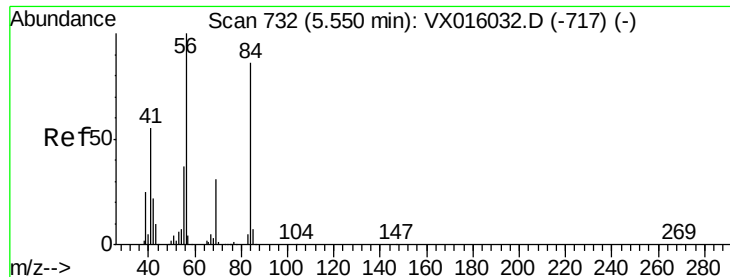
Tot Ion: 43 Resp: 10480
Ion Ratio Lower Upper
43 100
58 29.8 25.4 38.0



#25
2-Butanone
Concen: 0.258 ug/l
RT: 4.64 min Scan# 582
Delta R.T. -0.00 min
Lab File: VX016122.D
Acq: 08 May 2020 15:41

Tgt Ion: 43 Resp: 666
Ion Ratio Lower Upper
43 100
72 19.5 21.8 32.8#

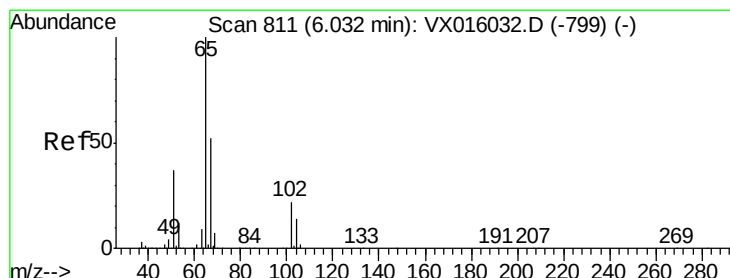
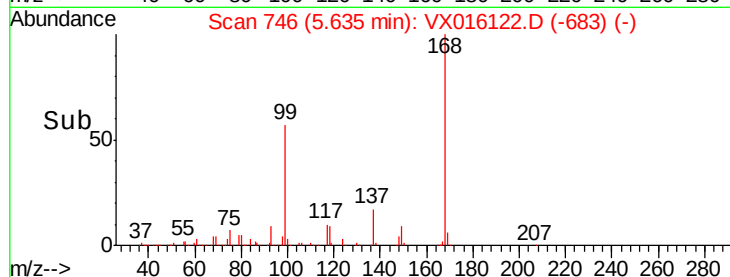
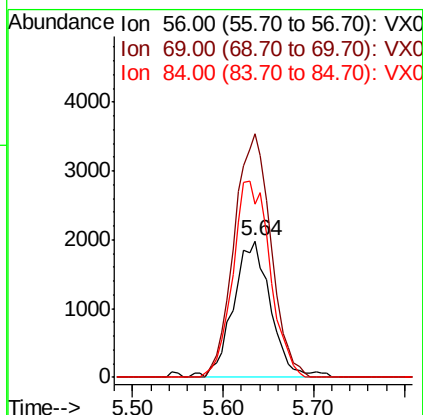
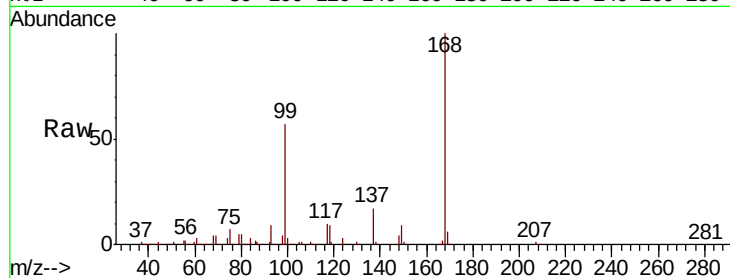




#31
Cyclohexane
Concen: 1.128 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX016122.D
Acq: 08 May 2020 15:41

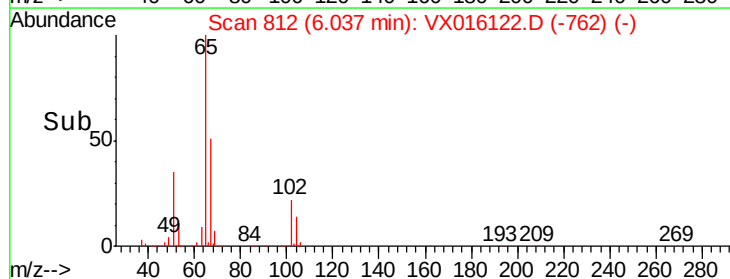
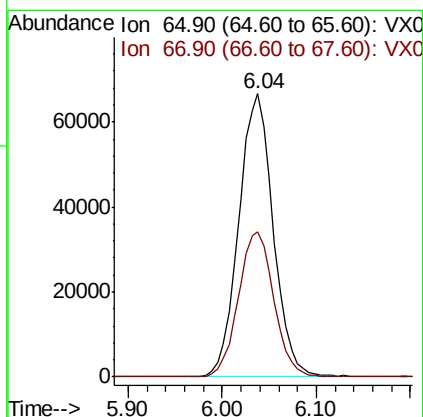
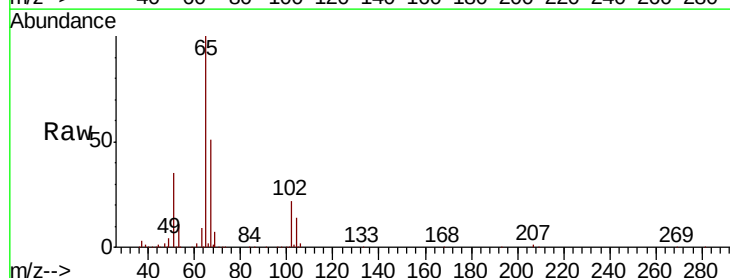
Instrument :
MSVOA_X
ClientSampled :

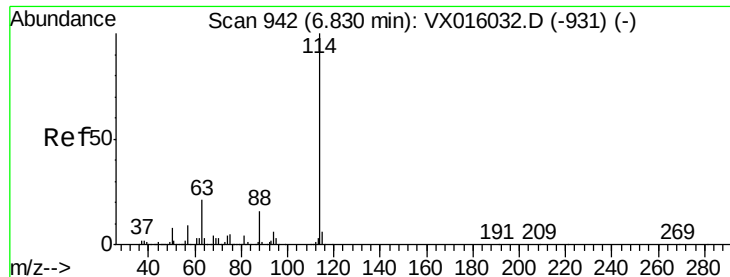
Tot Ion: 56 Resp: 5633
Ion Ratio Lower Upper
56 100
69 178.2 25.0 37.6#
84 126.3 69.0 103.6#



#33
1,2-Dichloroethane-d4
Concen: 47.384 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX016122.D
Acq: 08 May 2020 15:41

Tgt Ion: 65 Resp: 170278
Ion Ratio Lower Upper
65 100
67 52.6 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: VX016122.D

Acq: 08 May 2020 15:41

Instrument :

MSVOA_X

ClientSampled :

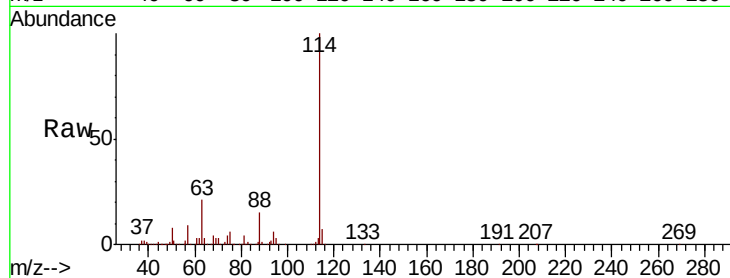
Tot Ion:114 Resp: 452857

Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.8

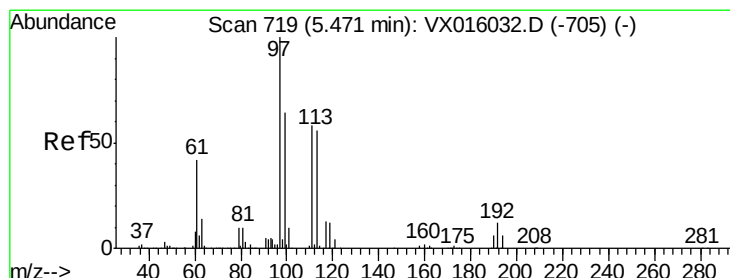
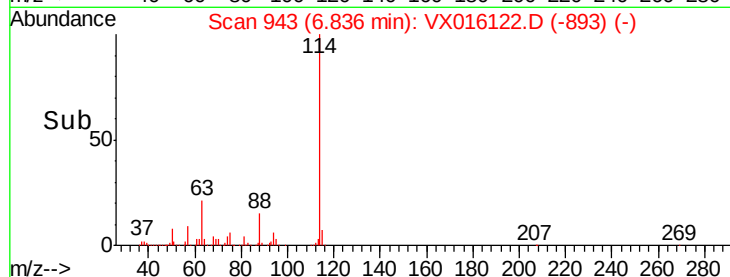
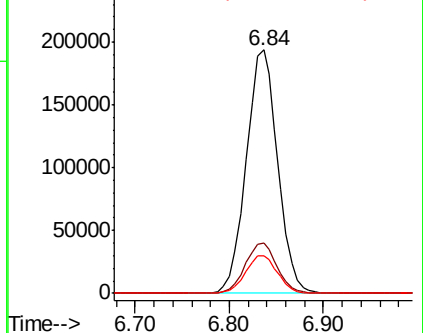
88 15.5 0.0 31.4



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: 46.492 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016122.D

Acq: 08 May 2020 15:41

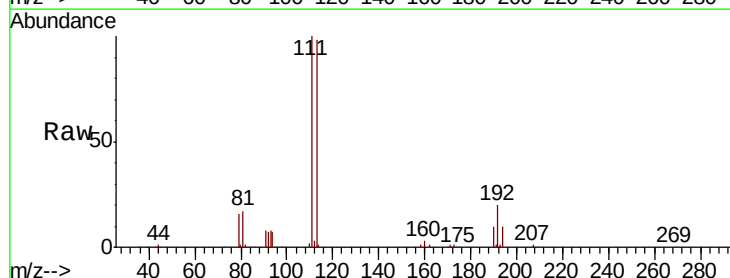
Tgt Ion:113 Resp: 133387

Ion Ratio Lower Upper

113 100

111 102.7 81.6 122.4

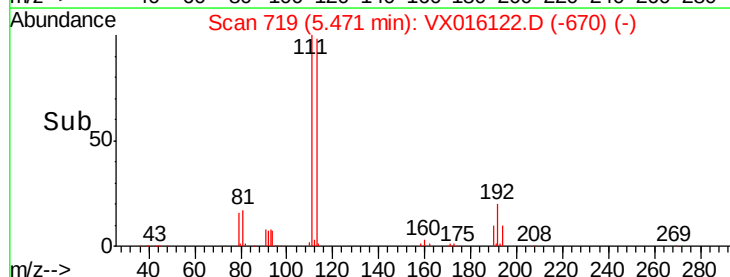
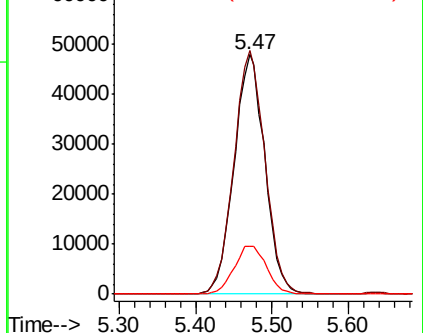
192 21.2 17.0 25.4

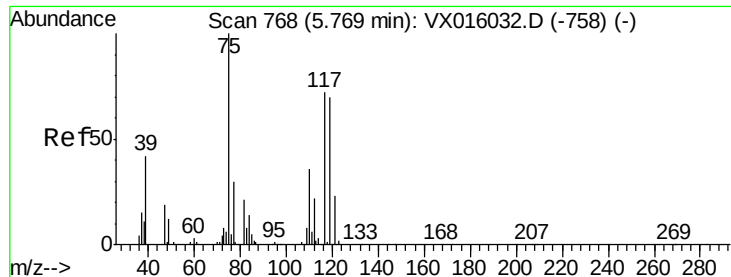


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

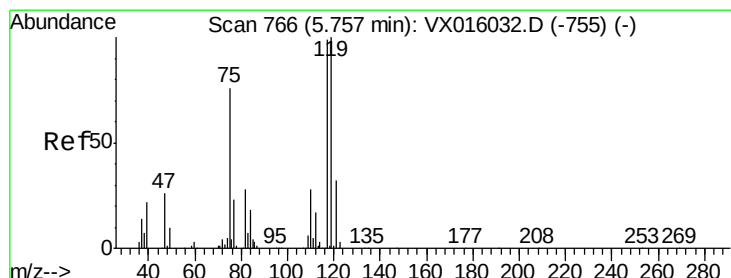
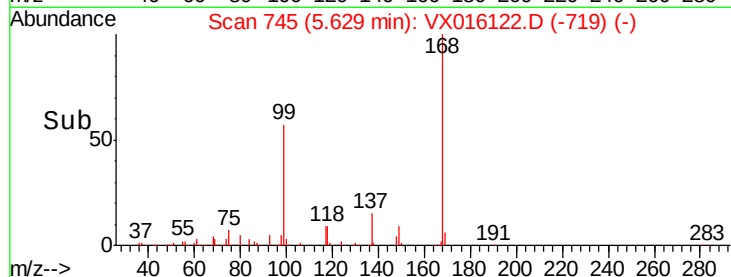
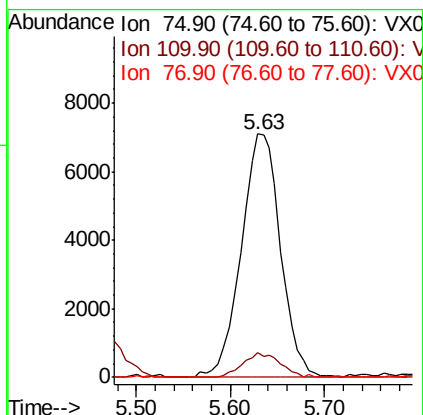
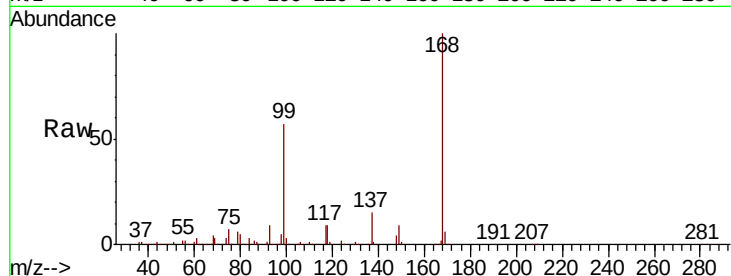




#36
 1,1-Dichloropropene
 Concen: 4.642 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016122.D
 Acq: 08 May 2020 15:41

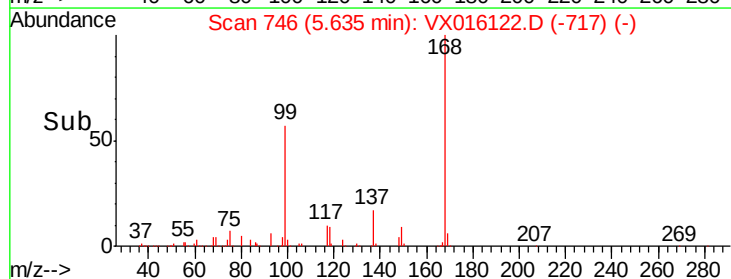
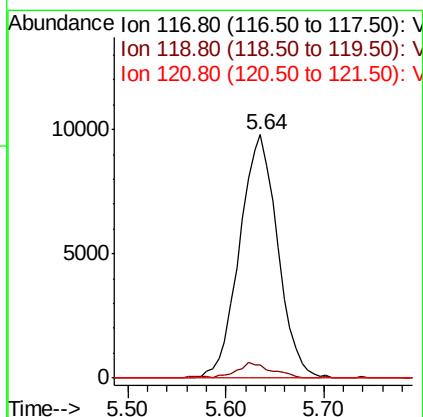
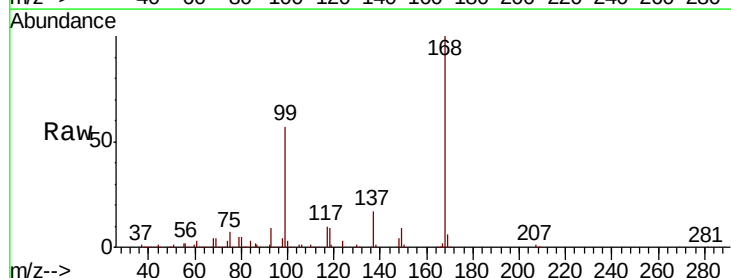
Instrument :
 MSVOA_X
 ClientSampleId :

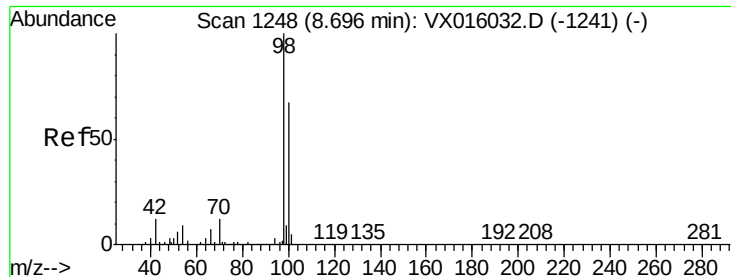
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.3	18.1	54.1#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 5.844 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.12 min
 Lab File: VX016122.D
 Acq: 08 May 2020 15:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	80.3	120.5#
121	0.0	25.7	38.5#





#50

Toluene-d8

Concen: 50.414 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016122.D

Acq: 08 May 2020 15:41

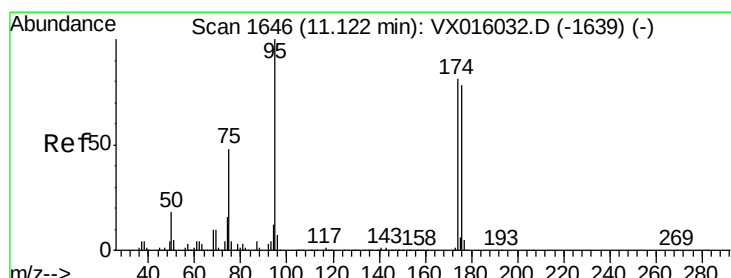
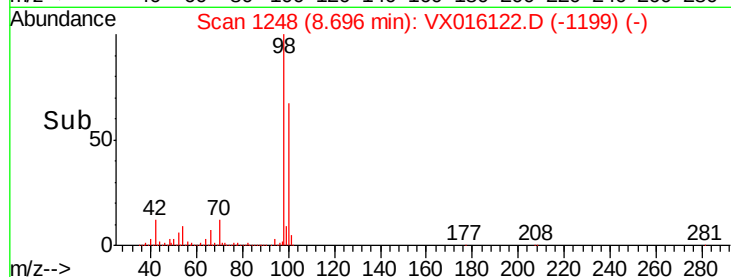
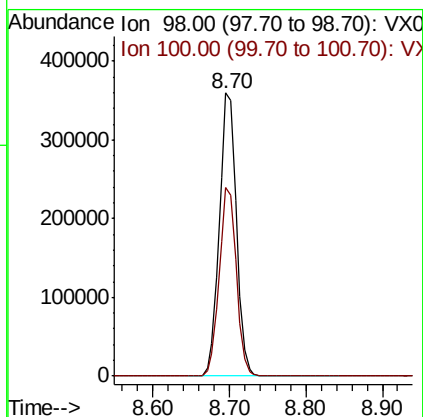
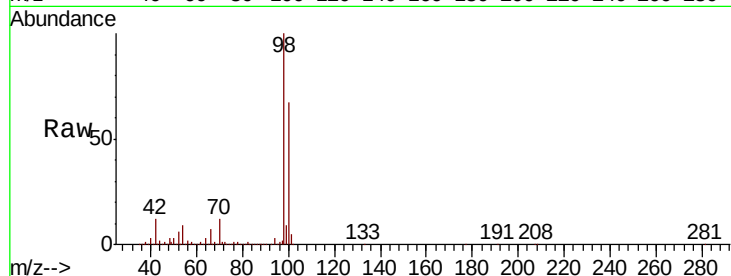
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 98 Resp: 557310

Ion Ratio Lower Upper

98 100

100 66.4 53.7 80.5



#62

4-Bromofluorobenzene

Concen: 53.800 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016122.D

Acq: 08 May 2020 15:41

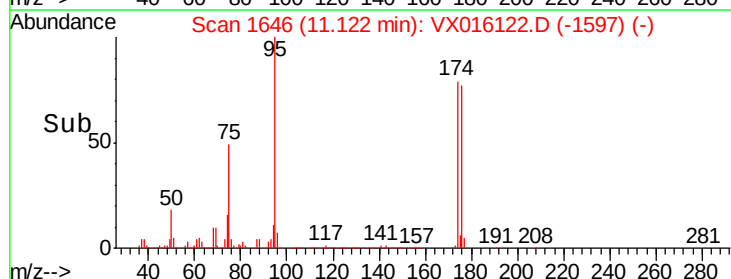
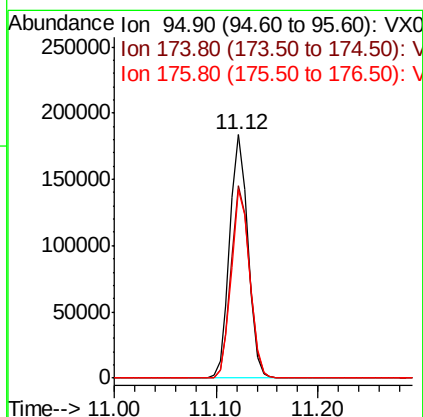
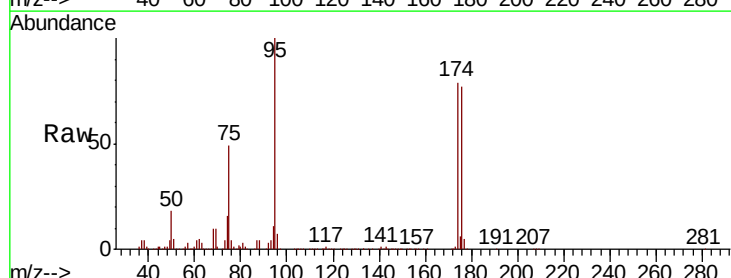
Tgt Ion: 95 Resp: 226209

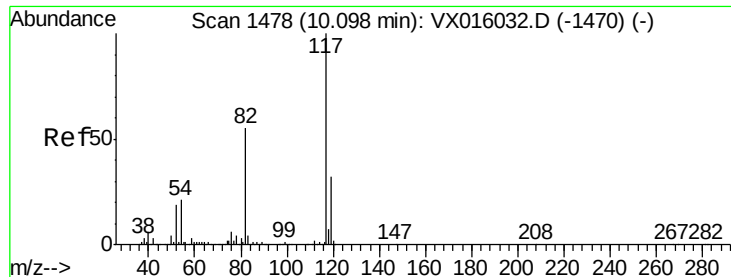
Ion Ratio Lower Upper

95 100

174 79.8 0.0 159.4

176 77.6 0.0 157.6

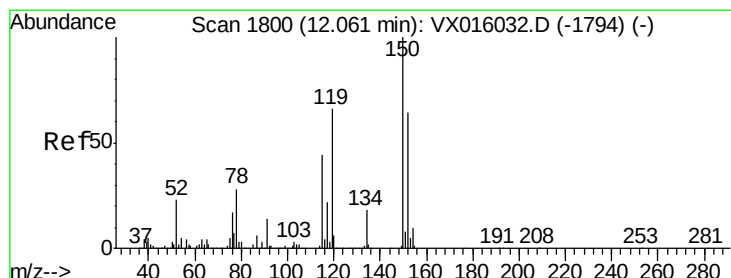
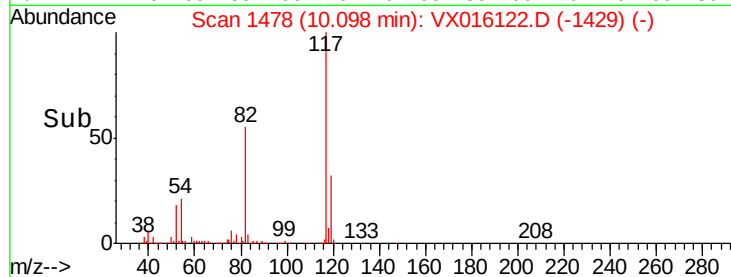
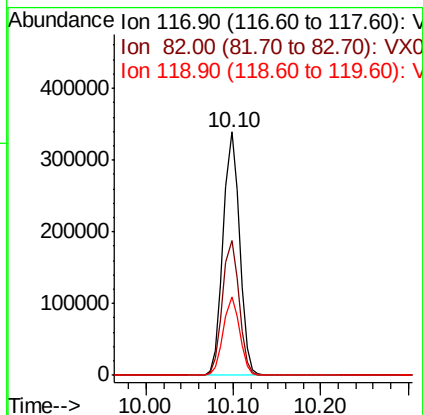
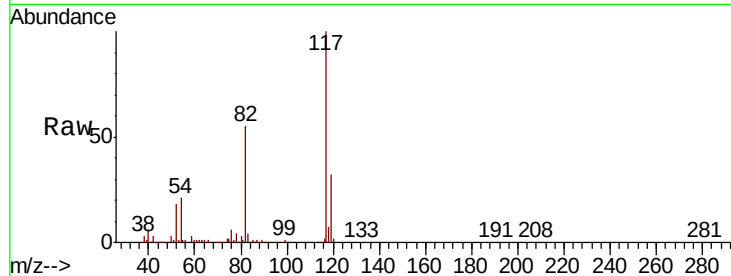




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016122.D
Acq: 08 May 2020 15:41

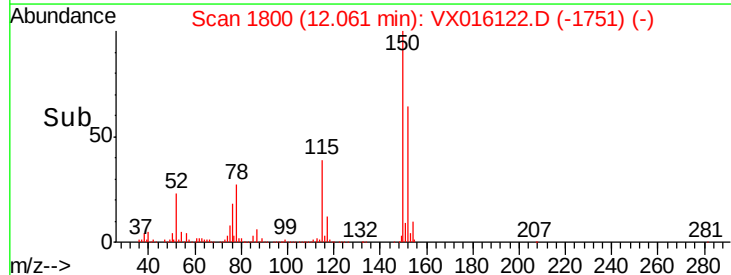
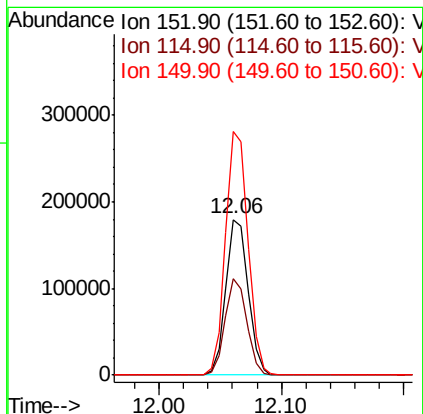
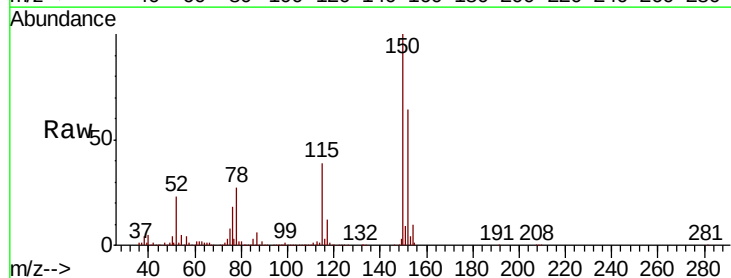
Instrument :
MSVOA_X
ClientSampled :

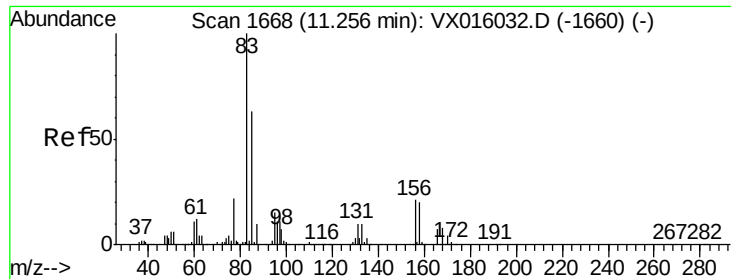
Tot Ion:117 Resp: 441378
Ion Ratio Lower Upper
117 100
82 55.4 44.4 66.6
119 32.3 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016122.D
Acq: 08 May 2020 15:41

Tgt Ion:152 Resp: 225728
Ion Ratio Lower Upper
152 100
115 60.7 41.3 124.1
150 158.0 0.0 352.2





#75

1,1,2,2-Tetrachloroethane

Concen: 2.113 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016122.D

Acq: 08 May 2020 15:41

Instrument :

MSVOA_X

ClientSampleId :

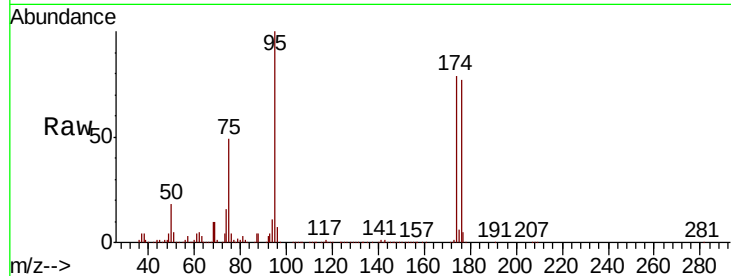
Tot Ion: 83 Resp: 195

Ion Ratio Lower Upper

83 100

131 163.6 5.1 15.4#

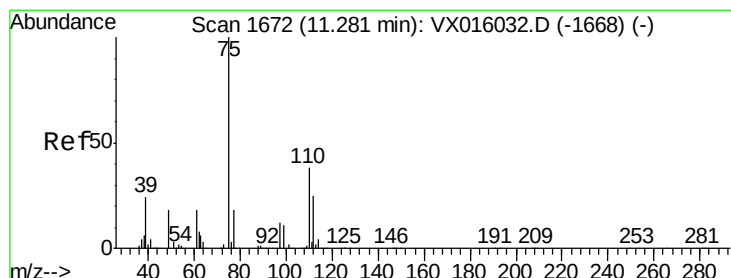
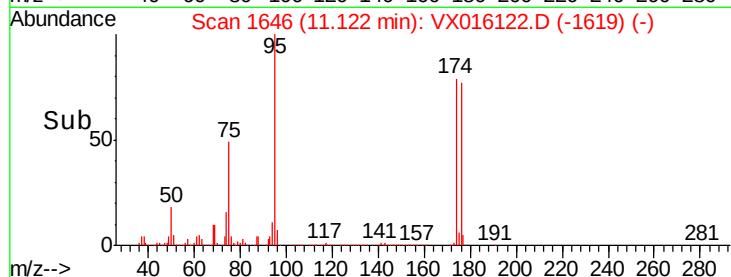
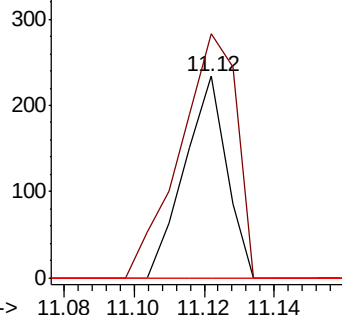
85 0.0 32.0 96.0#



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: 22.014 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016122.D

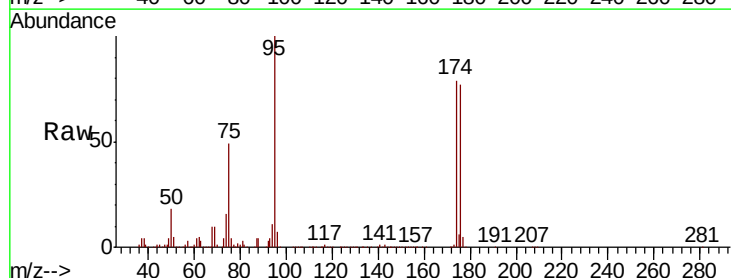
Acq: 08 May 2020 15:41

Tgt Ion: 75 Resp: 112763

Ion Ratio Lower Upper

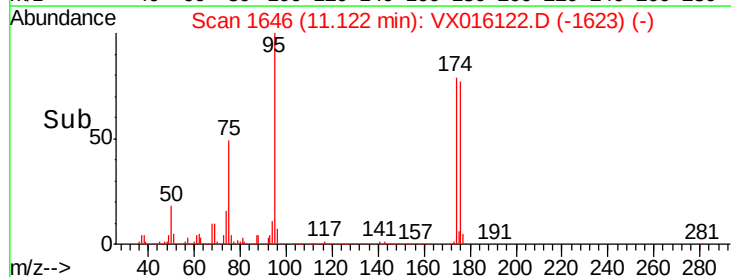
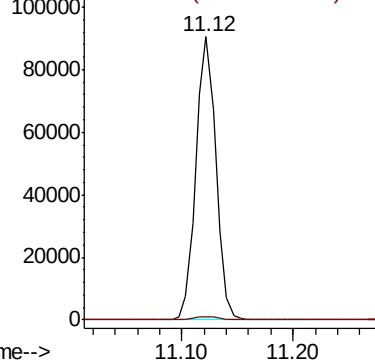
75 100

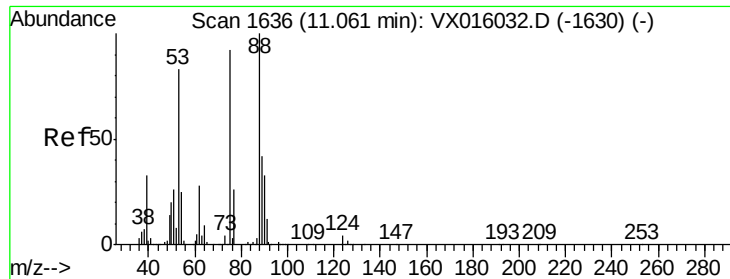
77 1.3 21.2 63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

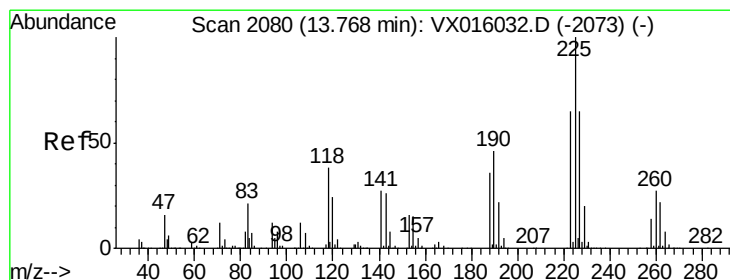
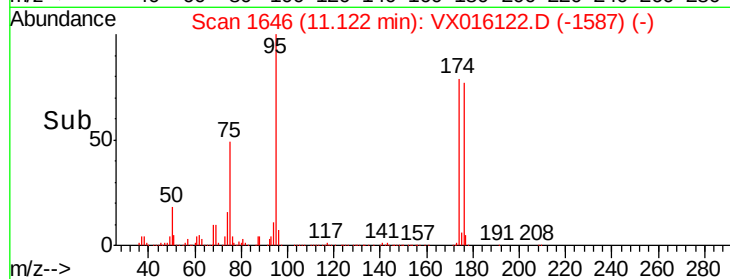
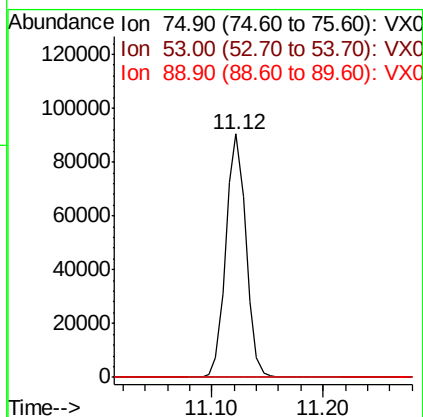
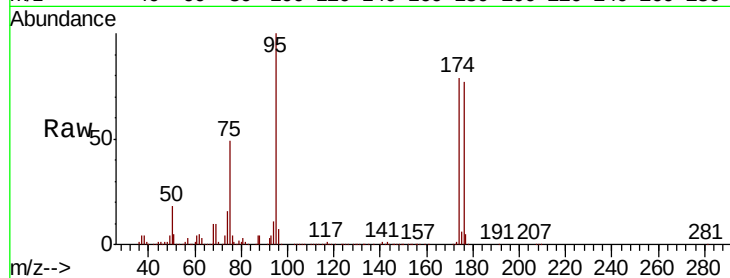




#81
trans-1,4-Dichloro-2-butene
Concen: 52.461 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.06 min
Lab File: VX016122.D
Acq: 08 May 2020 15:41

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 112763
Ion Ratio Lower Upper
75 100
53 0.1 73.1 109.7#
89 0.0 36.7 55.1#



#94
Hexachlorobutadiene
Concen: 0.533 ug/l
RT: 13.77 min Scan# 2081
Delta R.T. 0.01 min
Lab File: VX016122.D
Acq: 08 May 2020 15:41

Tgt Ion: 225 Resp: 22
Ion Ratio Lower Upper
225 100
223 336.4 32.3 96.9#
227 172.7 31.8 95.4#

