

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050520\
 Data File : VX016052.D
 Acq On : 05 May 2020 10:40
 Operator : JC/SP
 Sample : VX0505WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 06 04:52:52 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	5.63	168	321877	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	523185	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	490019	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	244007	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	196477	46.39	ug/l	0.00
Spiked Amount			Recovery	=	92.78%	
35) Dibromofluoromethane	5.46	113	152758	46.09	ug/l	0.00
Spiked Amount			Recovery	=	92.18%	
50) Toluene-d8	8.70	98	636671	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	
62) 4-Bromofluorobenzene	11.12	95	248478	51.15	ug/l	0.00
Spiked Amount			Recovery	=	102.30%	

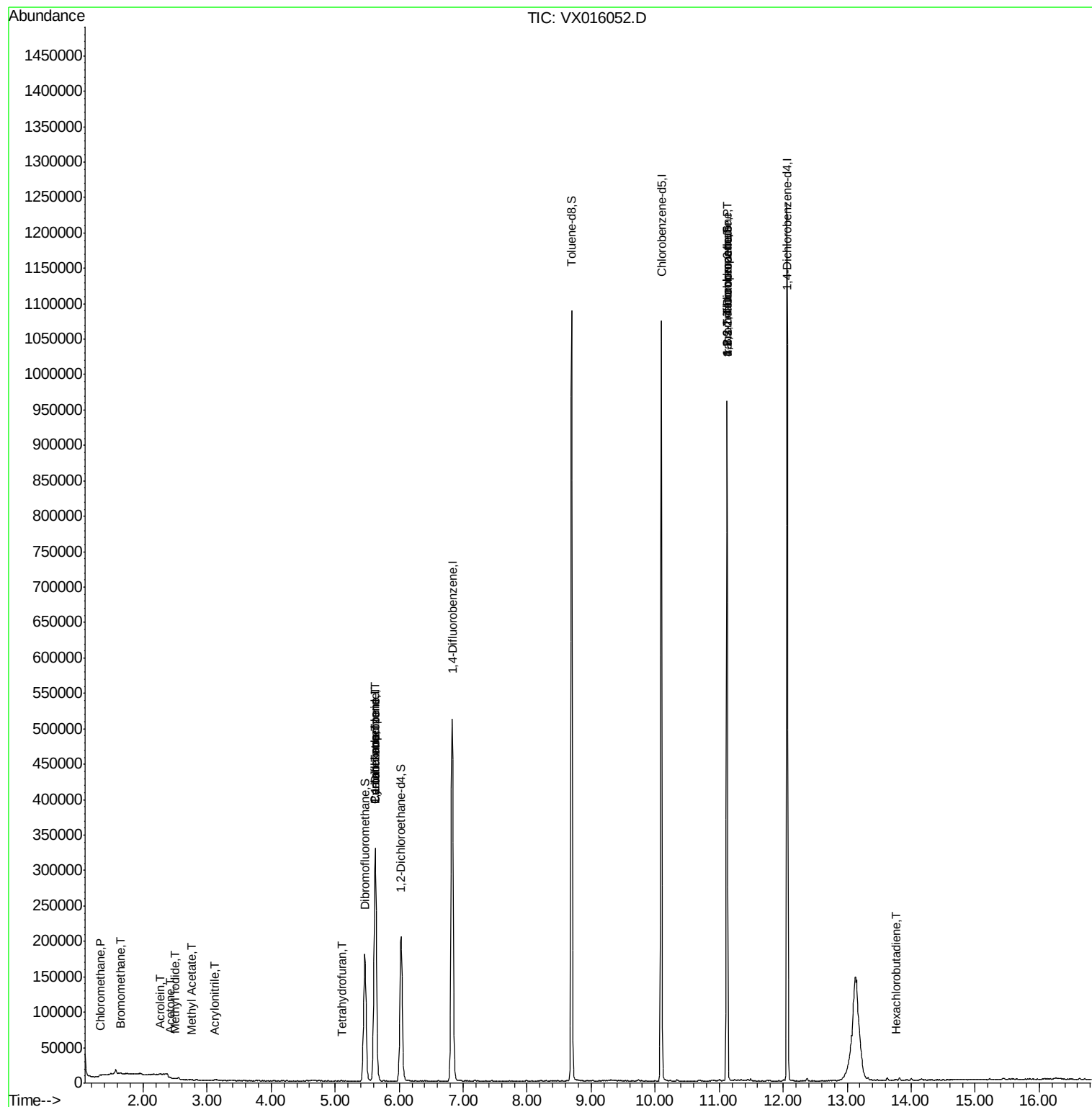
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	932	0.236	ug/l #	85
5) Bromomethane	1.65	94	1277	0.600	ug/l #	55
10) Methyl Iodide	2.50	142	1503	0.350	ug/l	92
13) Acrolein	2.28	56	775	1.156	ug/l #	74
15) Acrylonitrile	3.11	53	918	0.413	ug/l	89
16) Acetone	2.42	43	408	0.216	ug/l #	58
18) Methyl Acetate	2.75	43	1038	0.223	ug/l	96
29) Tetrahydrofuran	5.09	42	775	0.384	ug/l #	59
31) Cyclohexane	5.62	56	7124	1.211	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	24558	4.769	ug/l #	49
38) Carbon Tetrachloride	5.62	117	31083	5.938	ug/l #	15
75) 1,1,2,2-Tetrachloroethane	11.12	83	207	4.860	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	124806	22.540	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	124806	53.715	ug/l #	13
94) Hexachlorobutadiene	13.77	225	335	0.655	ug/l	87

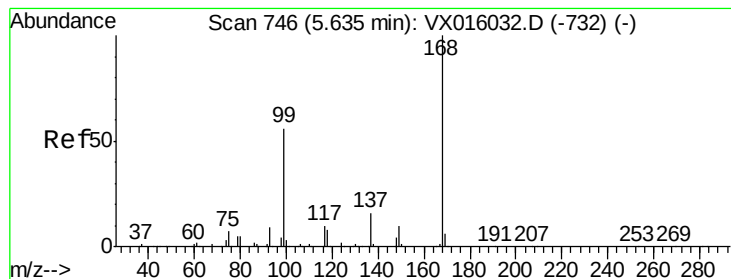
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX016052.D

Acq: 05 May 2020 10:40

Instrument :

MSVOA_X

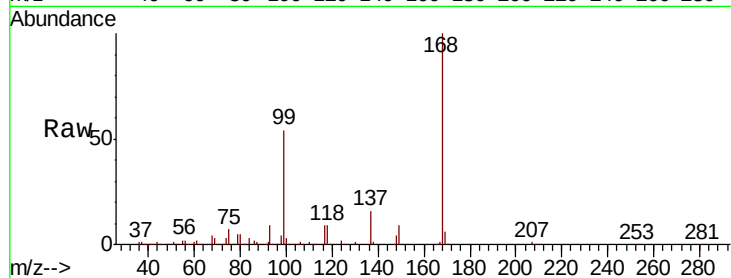
ClientSampleId :

Tot Ion:168 Resp: 321877

Ion Ratio Lower Upper

168 100

99 54.4 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

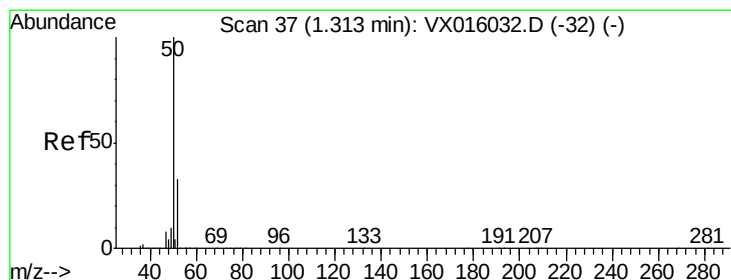
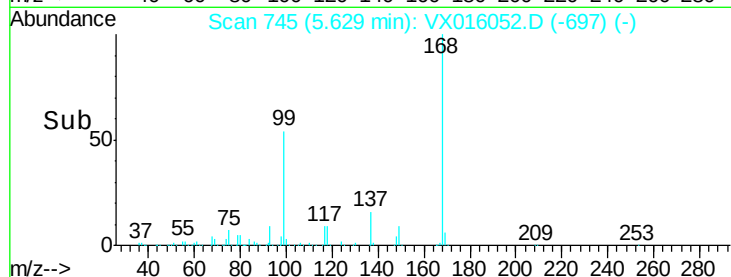
5.63

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.236 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016052.D

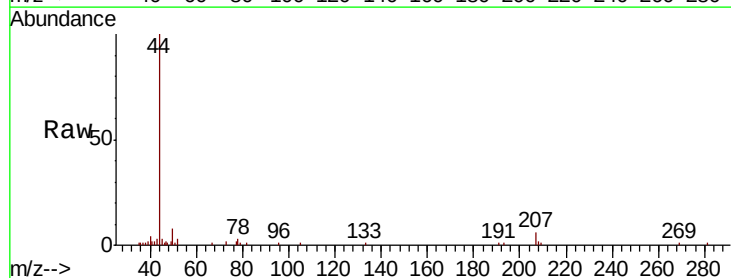
Acq: 05 May 2020 10:40

Tgt Ion: 50 Resp: 932

Ion Ratio Lower Upper

50 100

52 41.2 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

600

500

400

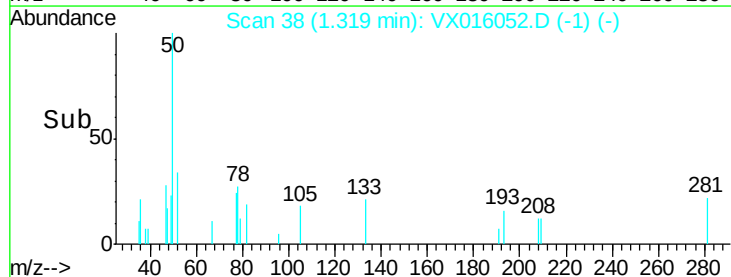
300

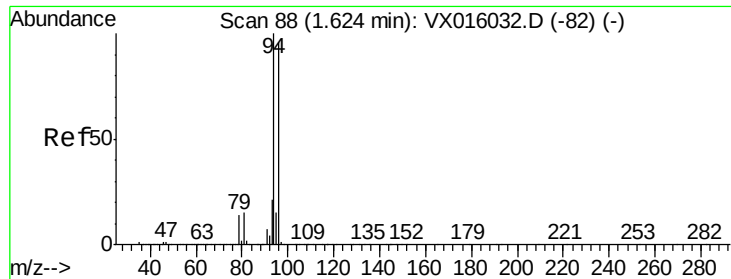
200

100

0

Time-->





#5

Bromomethane

Concen: 0.600 ug/l

RT: 1.65 min Scan# 92

Delta R.T. 0.02 min

Lab File: VX016052.D

Acq: 05 May 2020 10:40

Instrument :

MSVOA_X

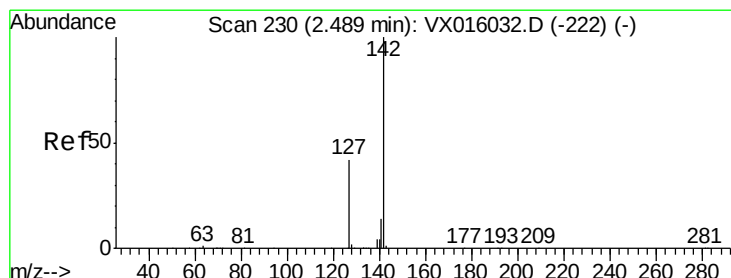
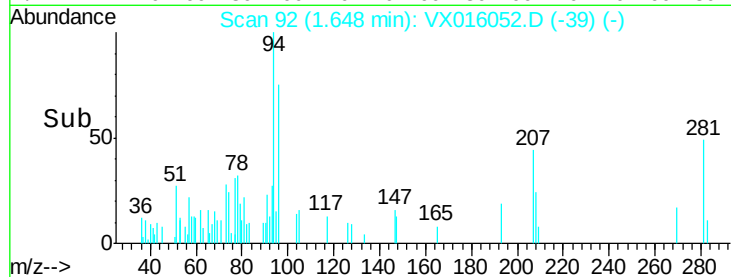
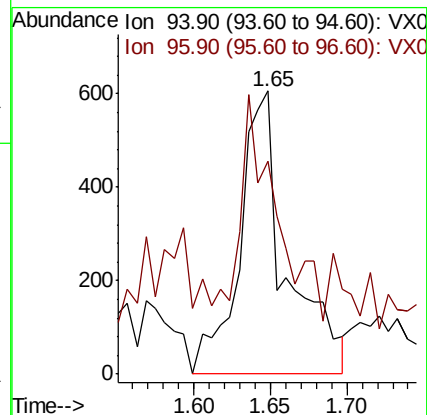
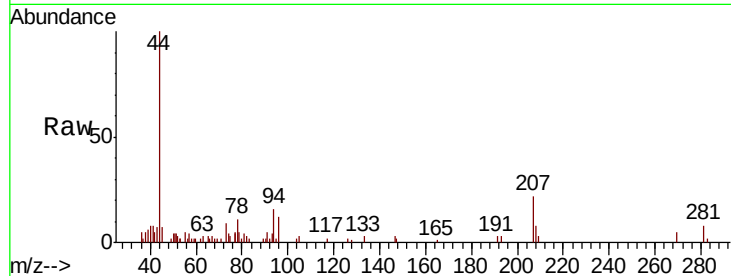
ClientSampleId :

Tot Ion: 94 Resp: 1277

Ion Ratio Lower Upper

94 100

96 52.0 76.9 115.3#



#10

Methyl Iodide

Concen: 0.350 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX016052.D

Acq: 05 May 2020 10:40

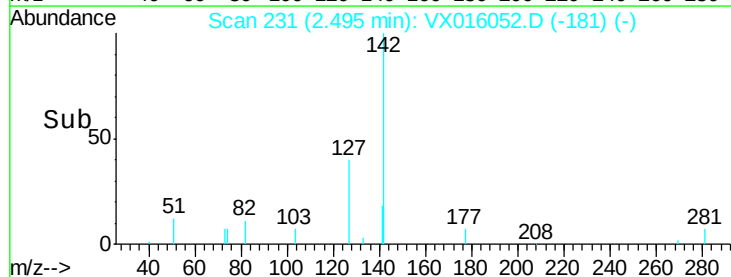
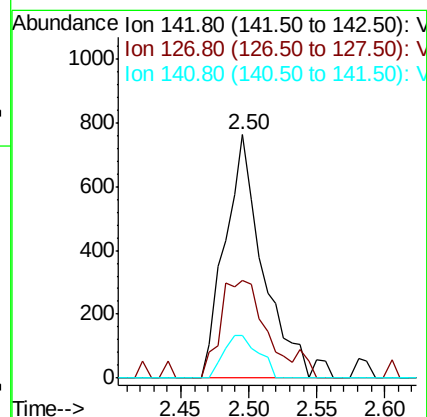
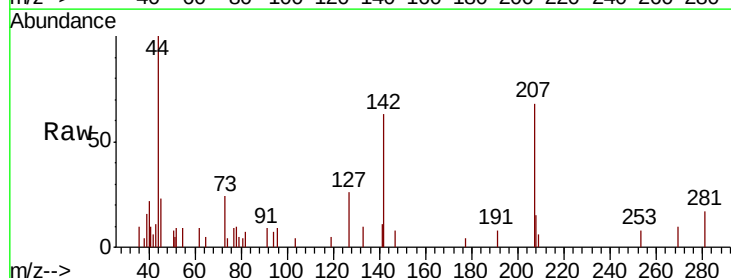
Tgt Ion: 142 Resp: 1503

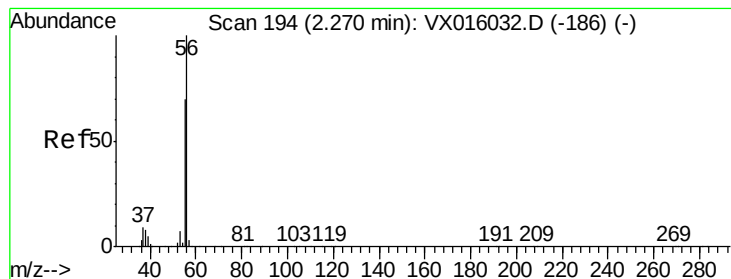
Ion Ratio Lower Upper

142 100

127 49.6 34.6 52.0

141 15.8 11.3 16.9





#13

Acrolein

Concen: 1.156 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016052.D

Acq: 05 May 2020 10:40

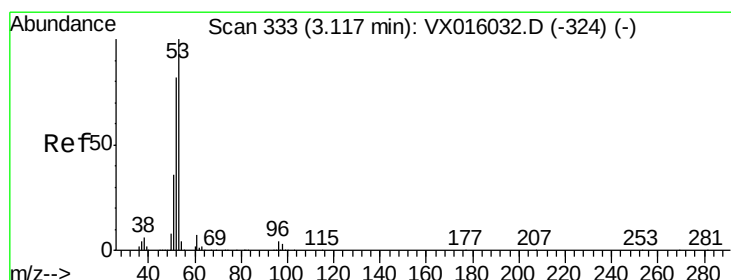
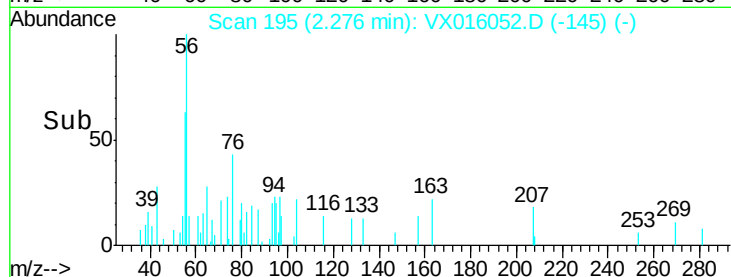
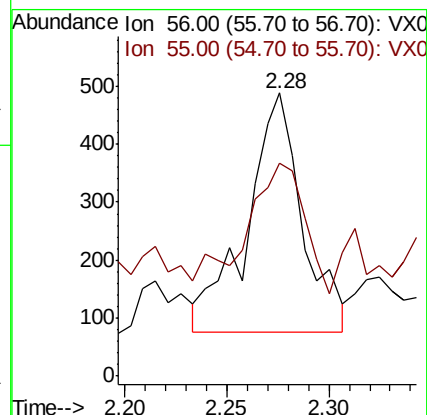
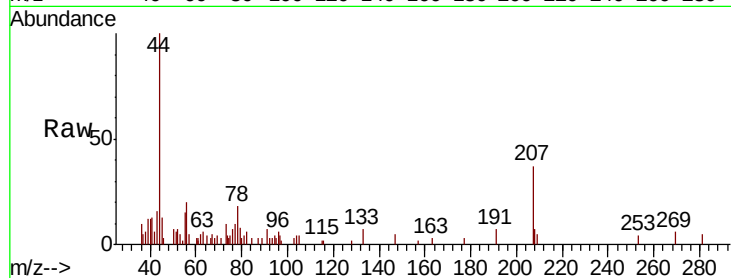
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 775

Ion Ratio Lower Upper

56 100

55 49.2 56.5 84.7#



#15

Acrylonitrile

Concen: 0.413 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX016052.D

Acq: 05 May 2020 10:40

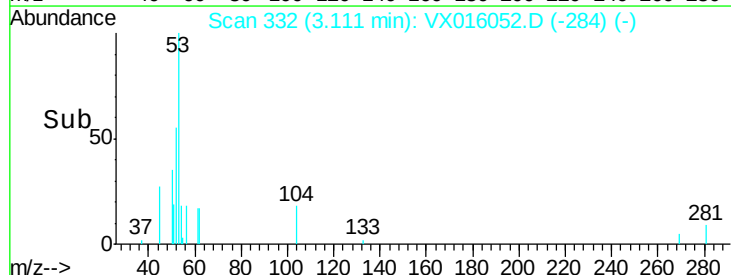
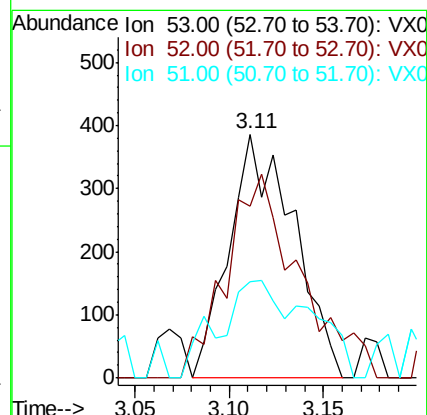
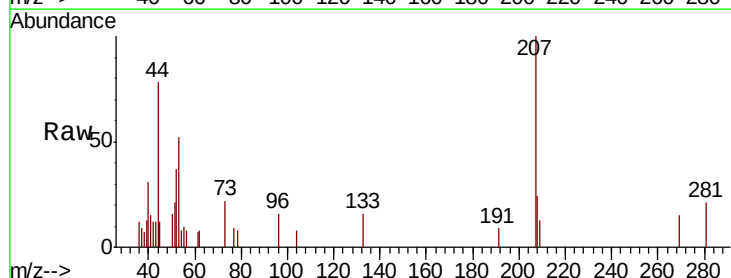
Tgt Ion: 53 Resp: 918

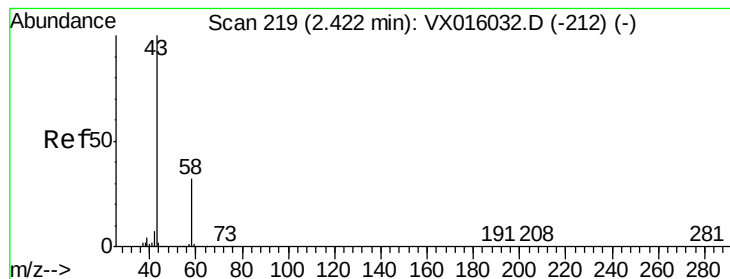
Ion Ratio Lower Upper

53 100

52 95.3 66.1 99.1

51 37.6 28.8 43.2





#16

Acetone

Concen: 0.216 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX016052.D

Acq: 05 May 2020 10:40

Instrument :

MSVOA_X

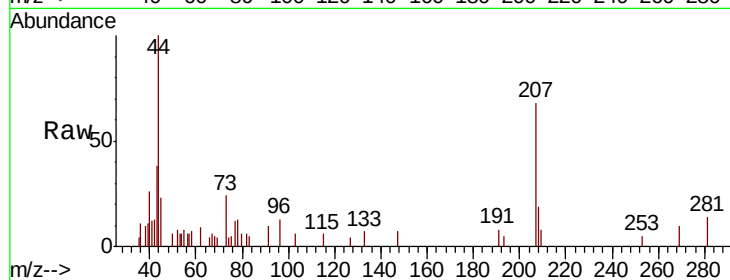
ClientSampled :

Tot Ion: 43 Resp: 408

Ion Ratio Lower Upper

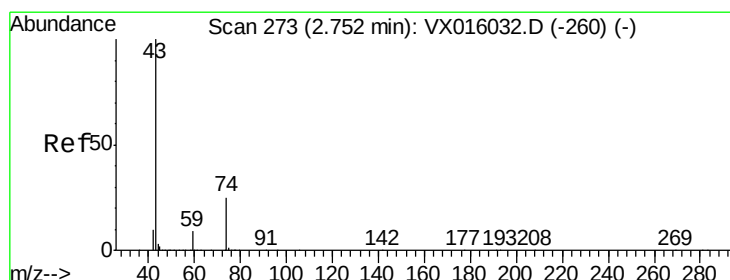
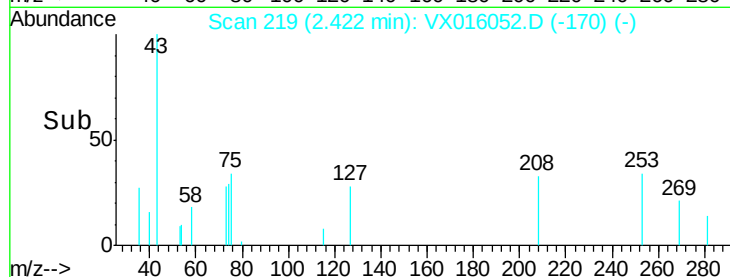
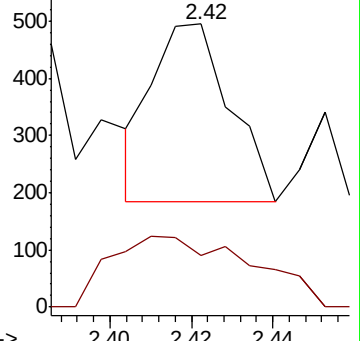
43 100

58 8.4 25.4 38.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.223 ug/l

RT: 2.75 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX016052.D

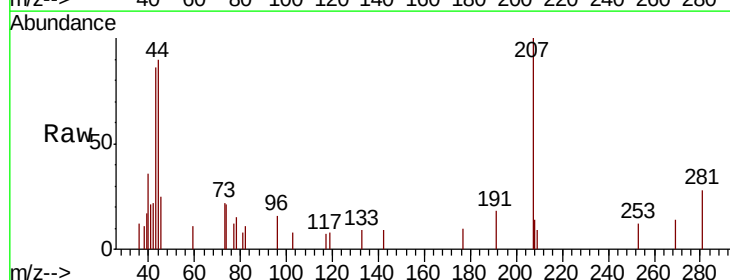
Acq: 05 May 2020 10:40

Tgt Ion: 43 Resp: 1038

Ion Ratio Lower Upper

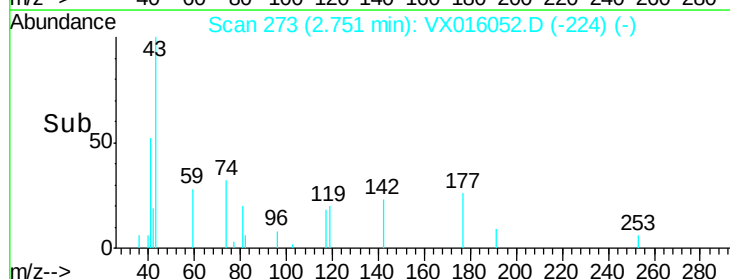
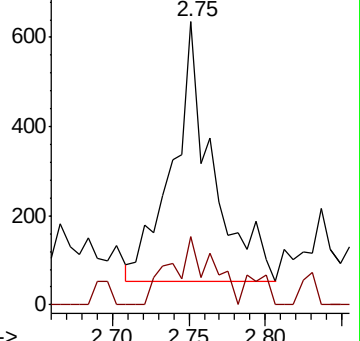
43 100

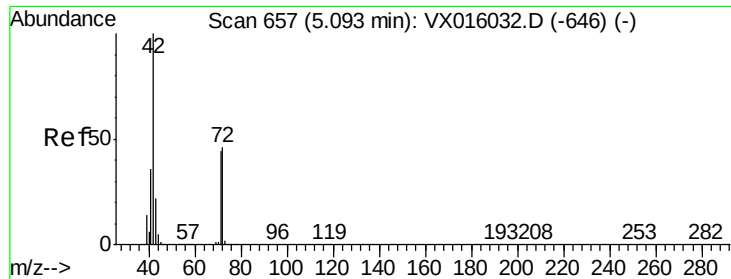
74 27.4 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

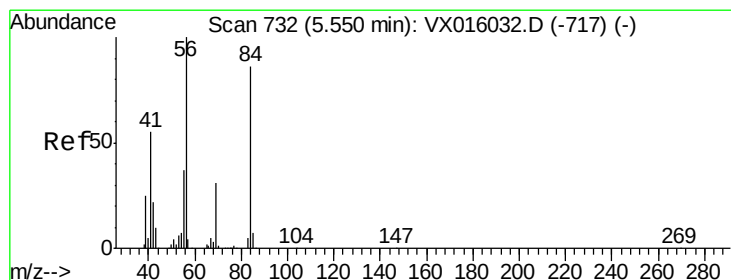
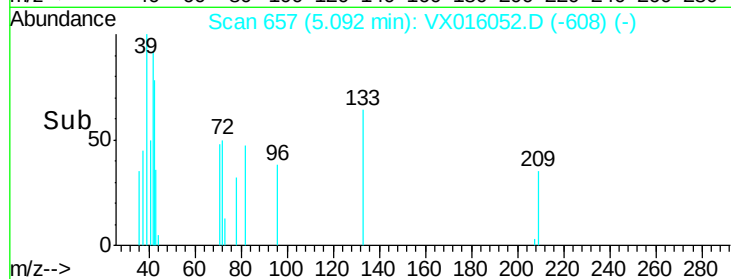
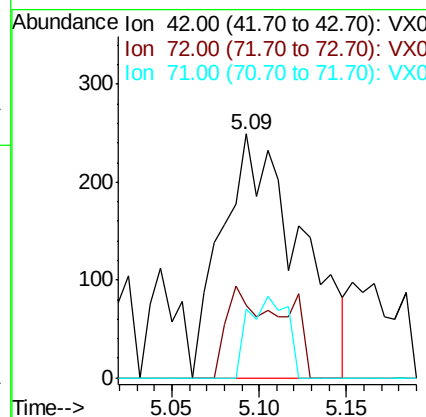
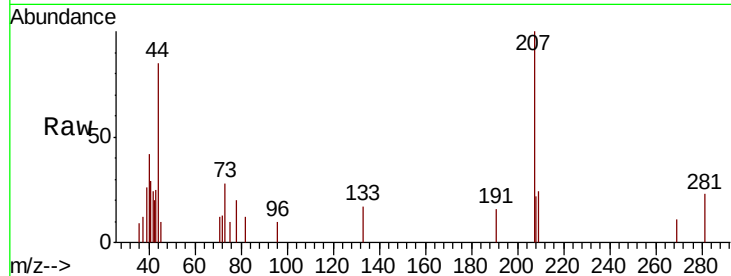




#29
Tetrahydrofuran
Concen: 0.384 ug/l
RT: 5.09 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX016052.D
Acq: 05 May 2020 10:40

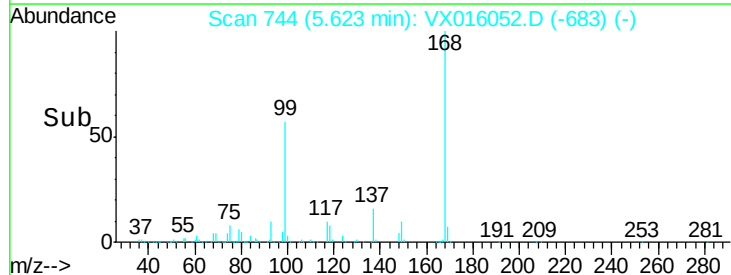
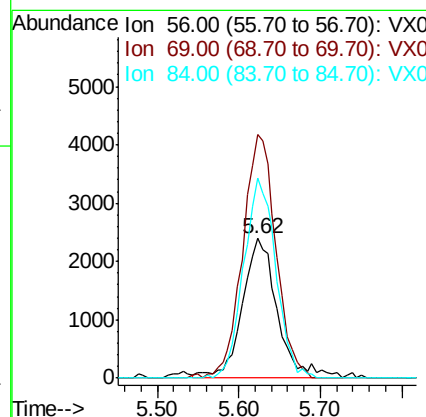
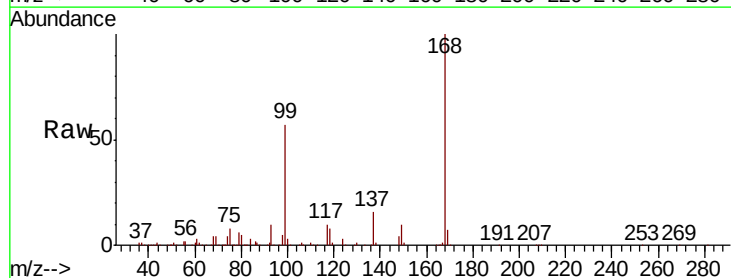
Instrument :
MSVOA_X
ClientSampleId :

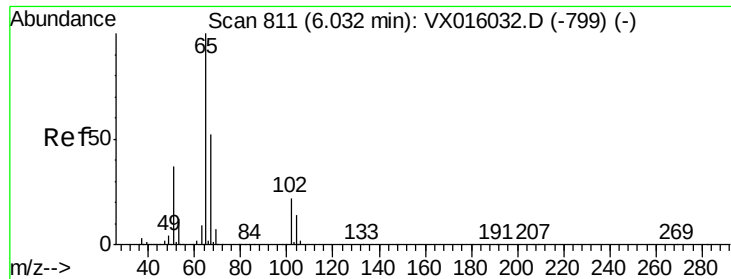
Tot Ion: 42 Resp: 775
Ion Ratio Lower Upper
42 100
72 19.7 37.1 55.7#
71 16.8 34.5 51.7#



#31
Cyclohexane
Concen: 1.211 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX016052.D
Acq: 05 May 2020 10:40

Tgt Ion: 56 Resp: 7124
Ion Ratio Lower Upper
56 100
69 174.4 25.0 37.6#
84 143.7 69.0 103.6#

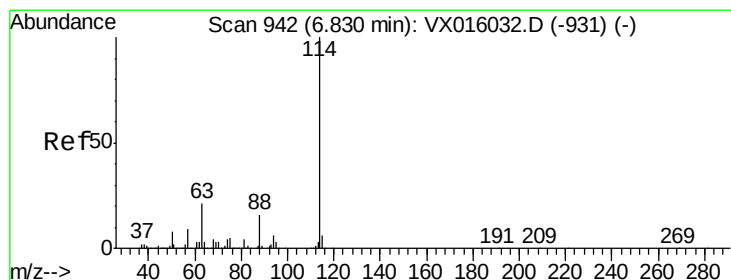
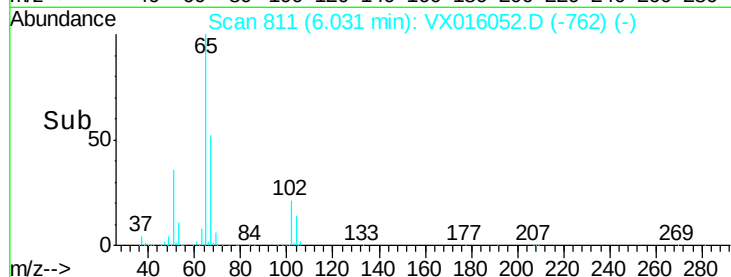
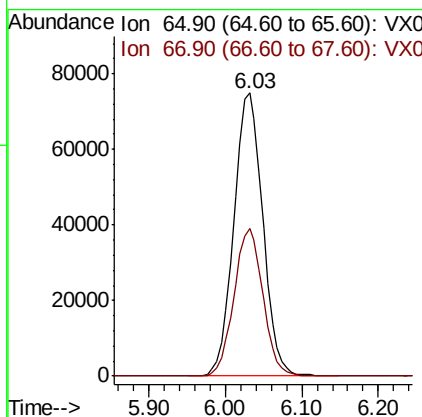
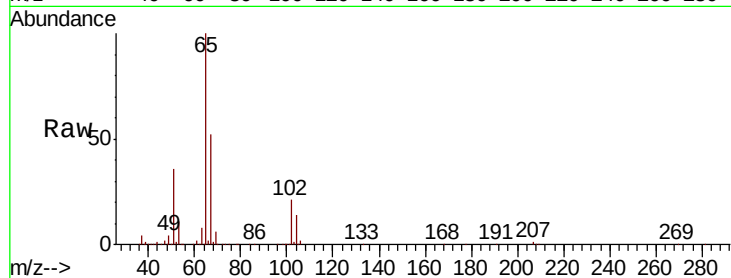




#33
 1,2-Dichloroethane-d4
 Concen: 46.387 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016052.D
 Acq: 05 May 2020 10:40

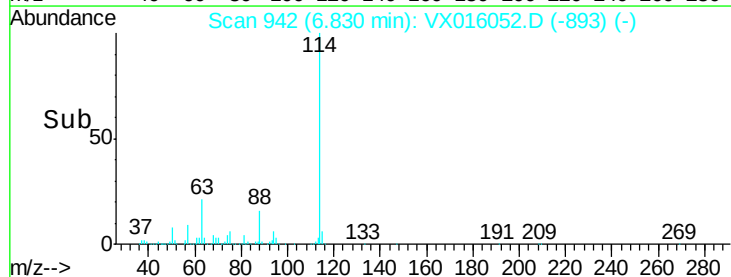
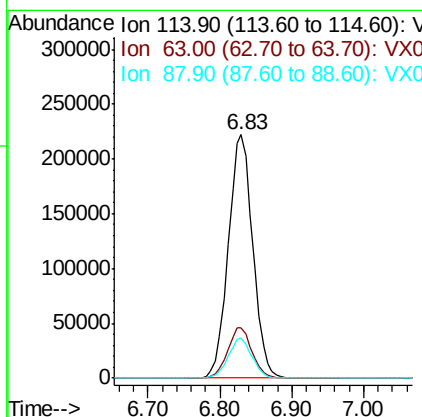
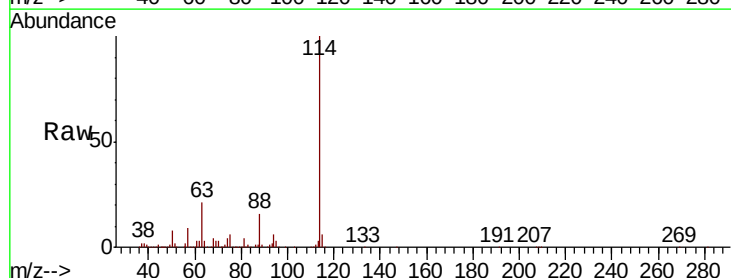
Instrument :
 MSVOA_X
 ClientSampleId :

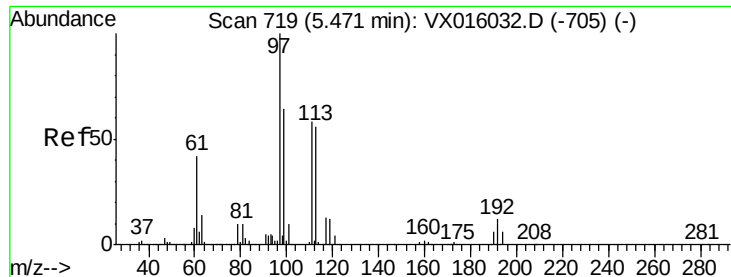
Tot Ion: 65 Resp: 196477
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX016052.D
 Acq: 05 May 2020 10:40

Tgt Ion: 114 Resp: 523185
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 42.8
 88 16.3 0.0 31.4

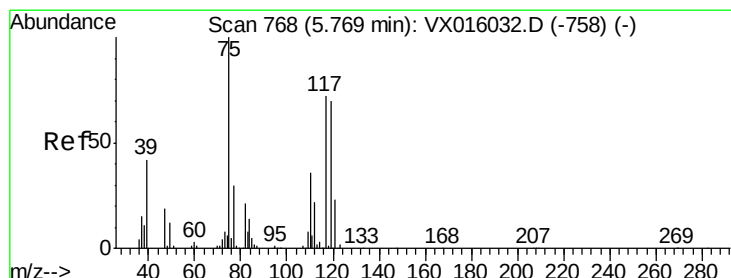
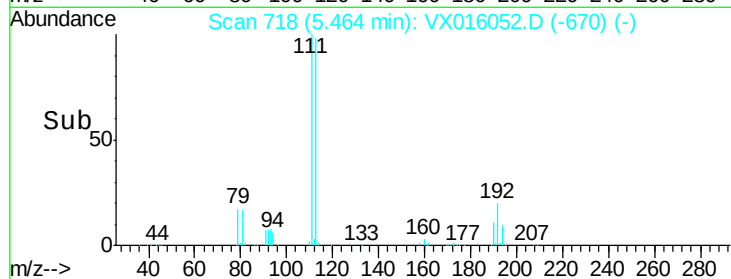
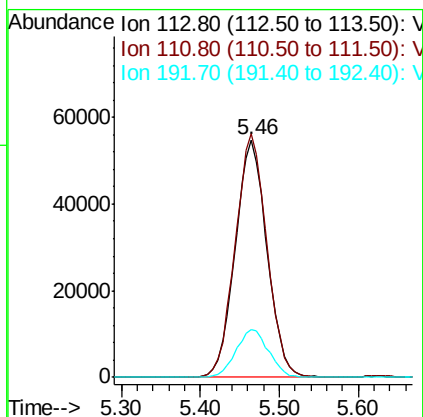
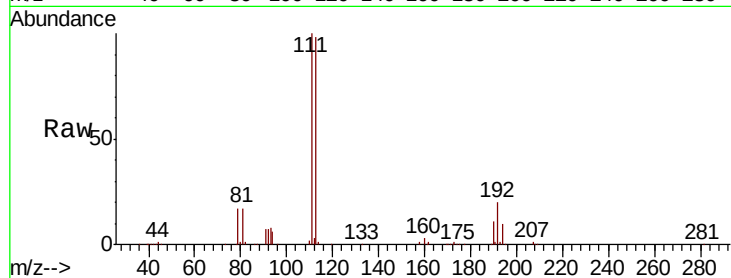




#35
 Dibromofluoromethane
 Concen: 46.086 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX016052.D
 Acq: 05 May 2020 10:40

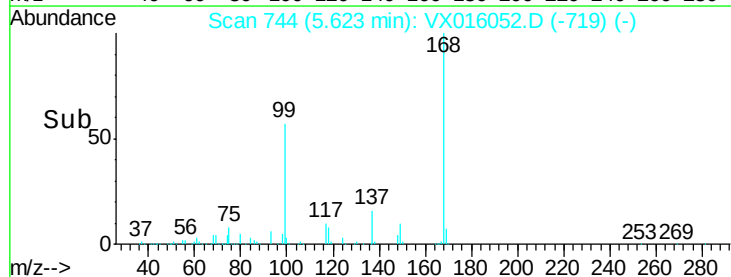
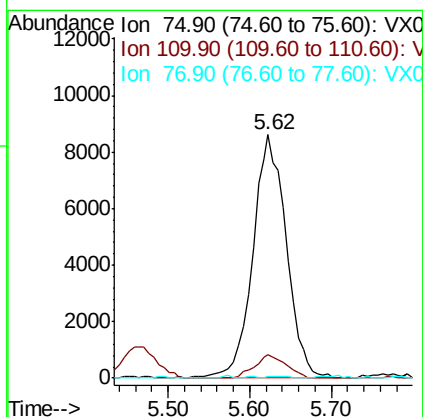
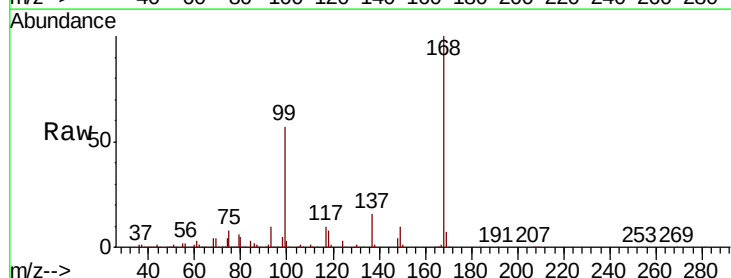
Instrument :
 MSVOA_X
 ClientSampleId :

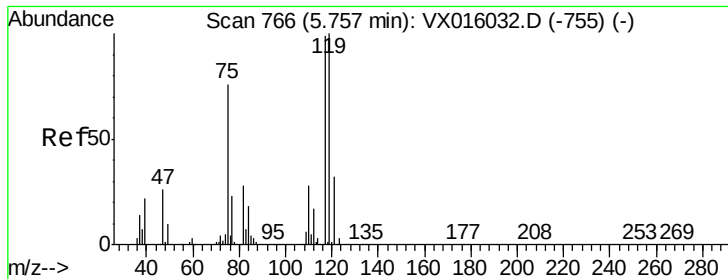
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.6	122.4
192	20.8	17.0	25.4



#36
 1,1-Dichloropropene
 Concen: 4.769 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.15 min
 Lab File: VX016052.D
 Acq: 05 May 2020 10:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.1	54.1#
77	0.5	25.0	37.6#





#38

Carbon Tetrachloride

Concen: 5.938 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX016052.D

Acq: 05 May 2020 10:40

Instrument :

MSVOA_X

ClientSampled :

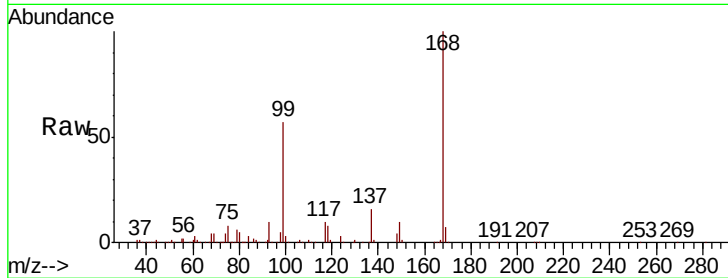
Tot Ion:117 Resp: 31083

Ion Ratio Lower Upper

117 100

119 5.7 80.3 120.5#

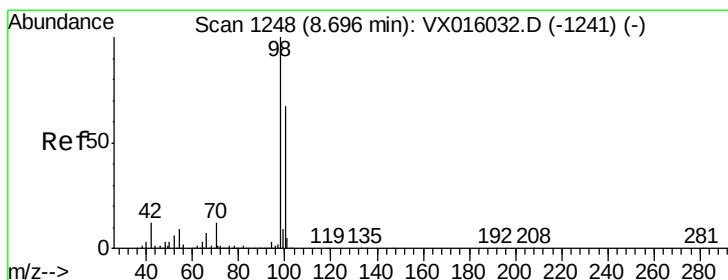
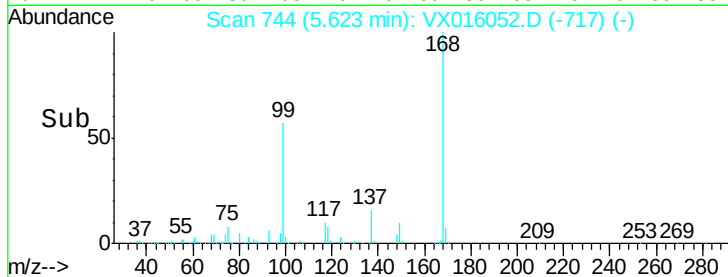
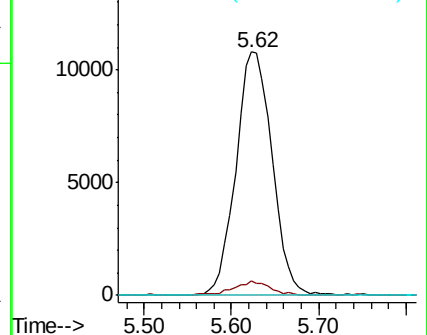
121 0.0 25.7 38.5#



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: 49.851 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016052.D

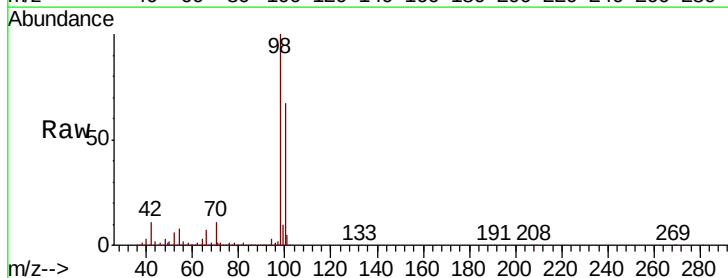
Acq: 05 May 2020 10:40

Tgt Ion: 98 Resp: 636671

Ion Ratio Lower Upper

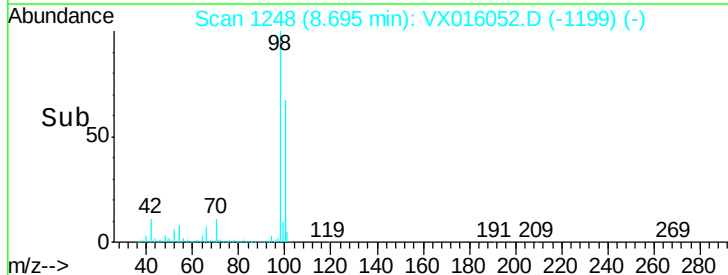
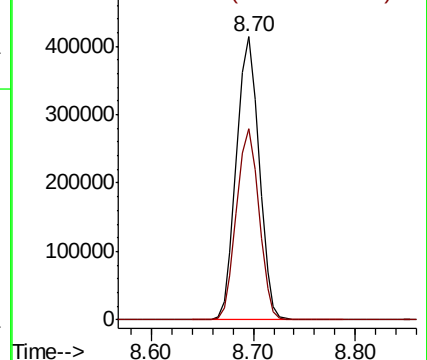
98 100

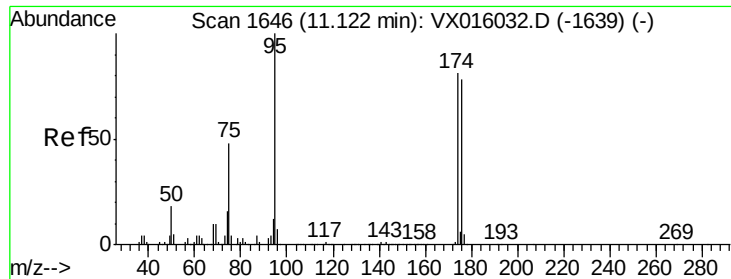
100 67.0 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 51.152 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016052.D

Acq: 05 May 2020 10:40

Instrument :

MSVOA_X

ClientSampled :

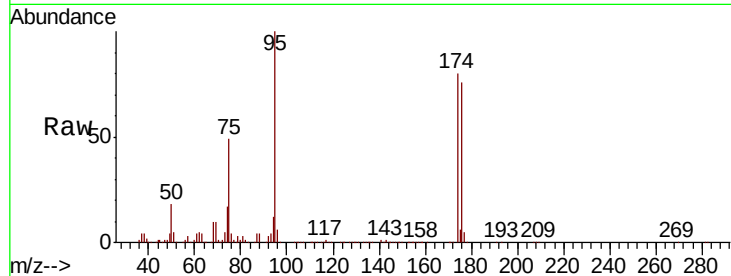
Tot Ion: 95 Resp: 248478

Ion Ratio Lower Upper

95 100

174 79.4 0.0 159.4

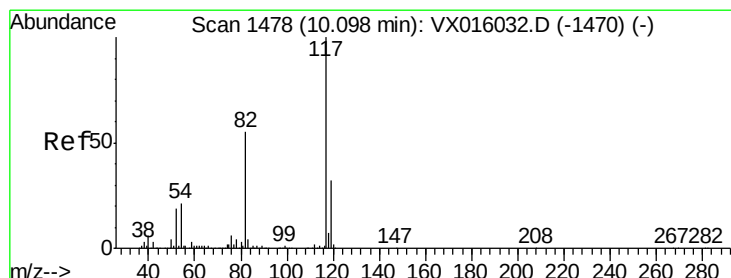
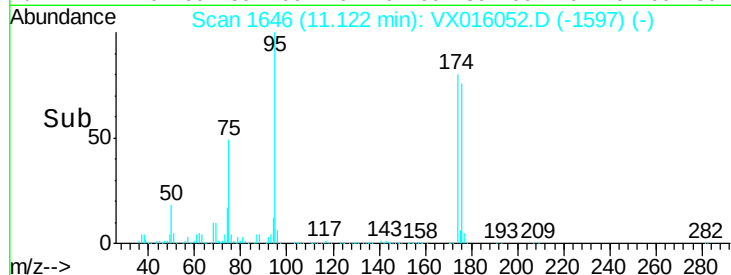
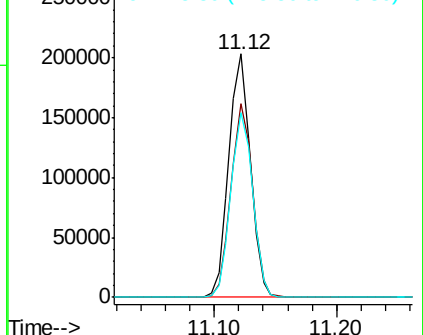
176 76.8 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016052.D

Acq: 05 May 2020 10:40

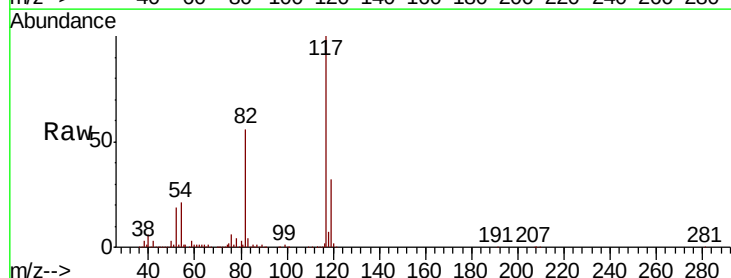
Tgt Ion: 117 Resp: 490019

Ion Ratio Lower Upper

117 100

82 56.4 44.4 66.6

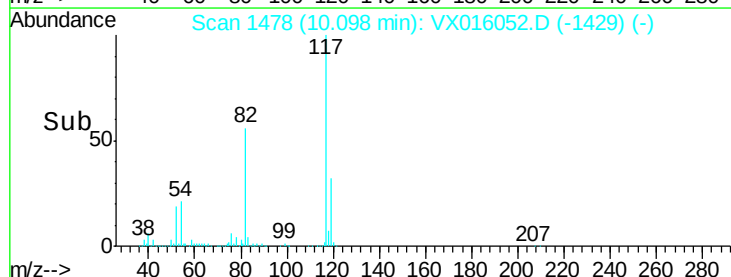
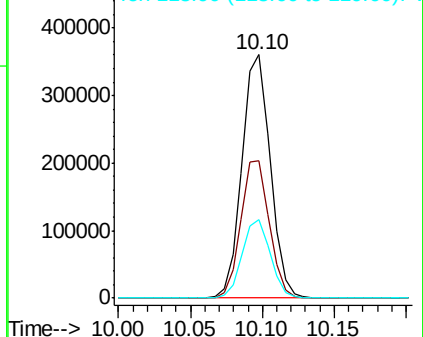
119 32.5 25.5 38.3

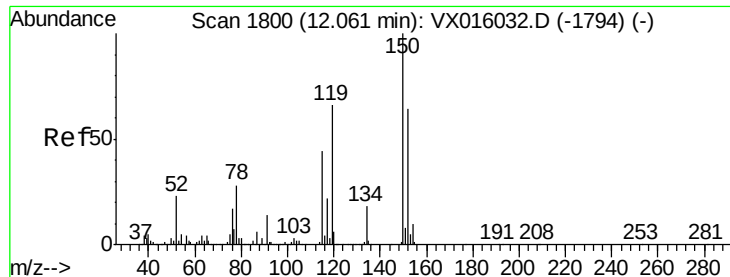


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016052.D

Acq: 05 May 2020 10:40

Instrument :

MSVOA_X

ClientSampleId :

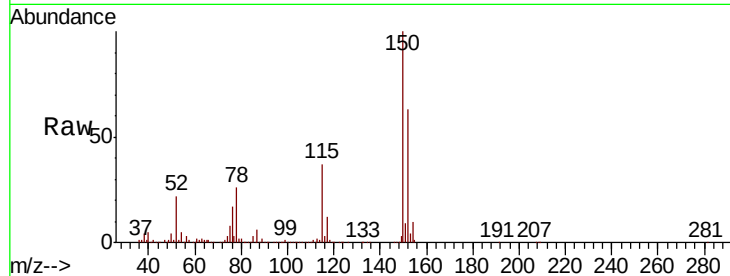
Tot Ion:152 Resp: 244007

Ion Ratio Lower Upper

152 100

115 58.2 41.3 124.1

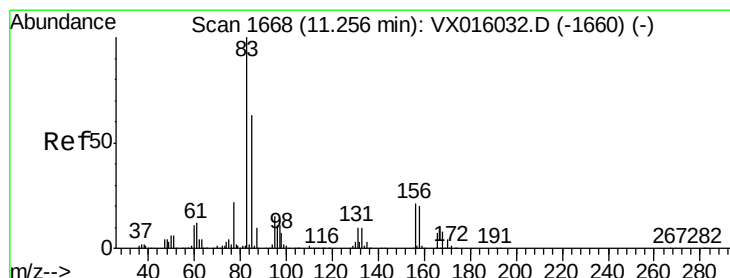
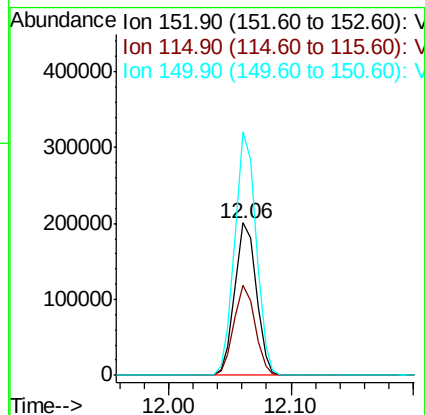
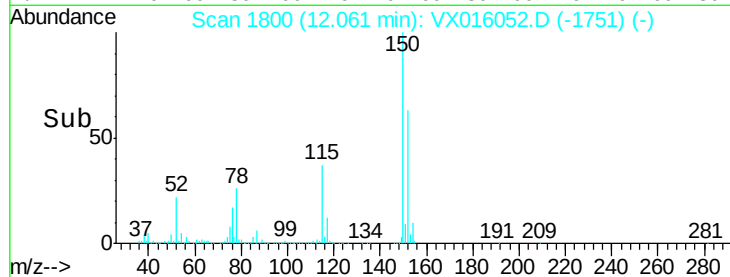
150 157.9 0.0 352.2



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: 4.860 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016052.D

Acq: 05 May 2020 10:40

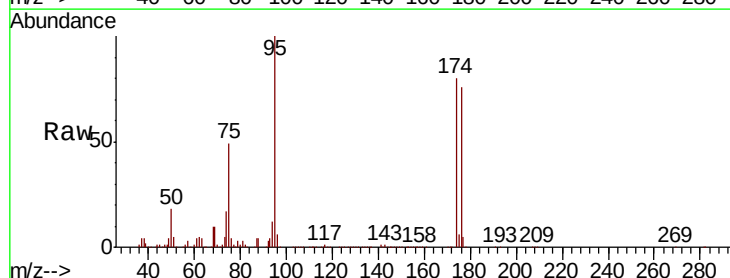
Tgt Ion: 83 Resp: 207

Ion Ratio Lower Upper

83 100

131 160.4 5.1 15.4#

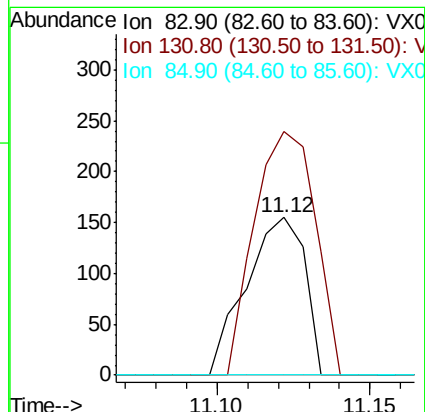
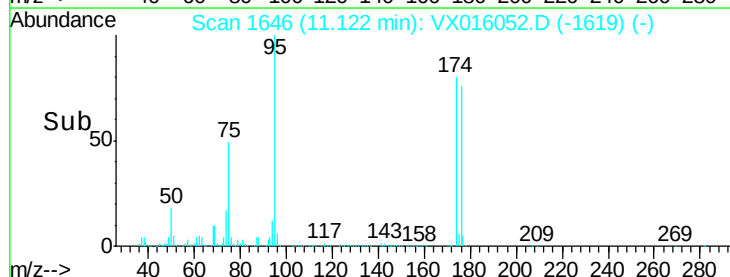
85 0.0 32.0 96.0#

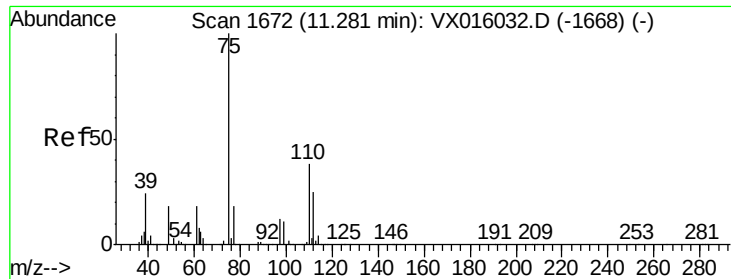


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 22.540 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016052.D

Acq: 05 May 2020 10:40

Instrument :

MSVOA_X

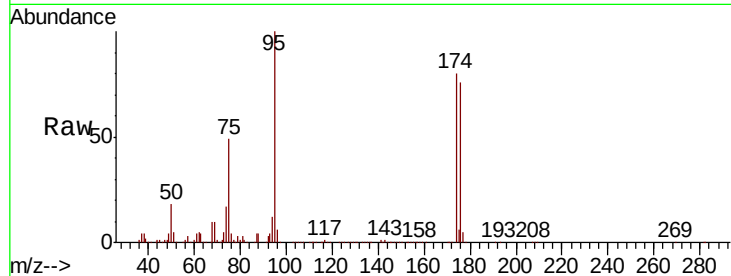
ClientSampled :

Tot Ion: 75 Resp: 124806

Ion Ratio Lower Upper

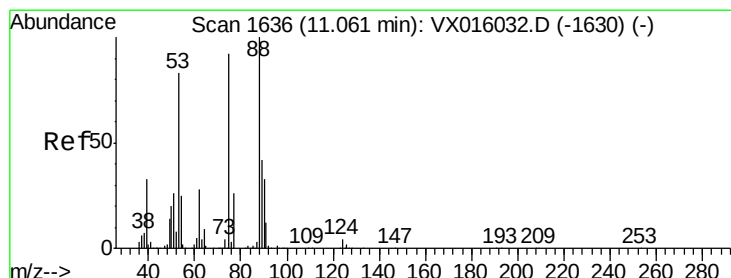
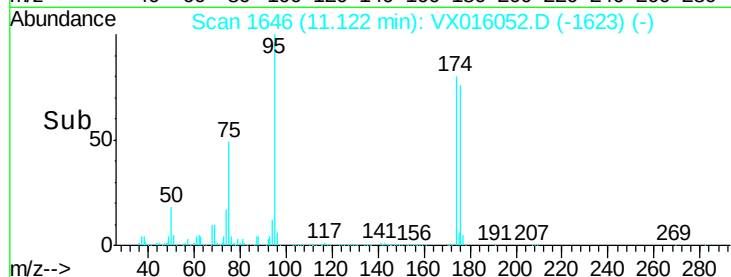
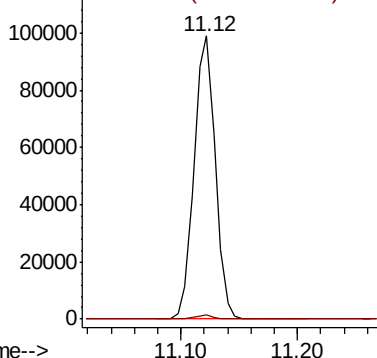
75 100

77 1.4 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: 53.715 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016052.D

Acq: 05 May 2020 10:40

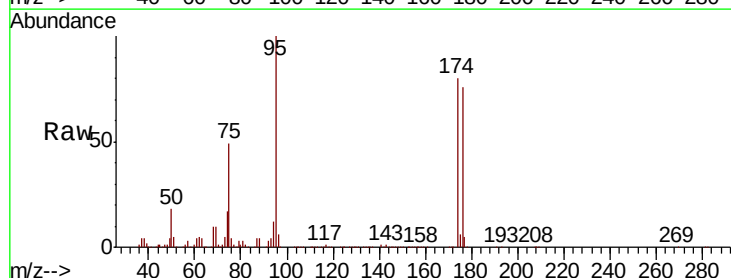
Tgt Ion: 75 Resp: 124806

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

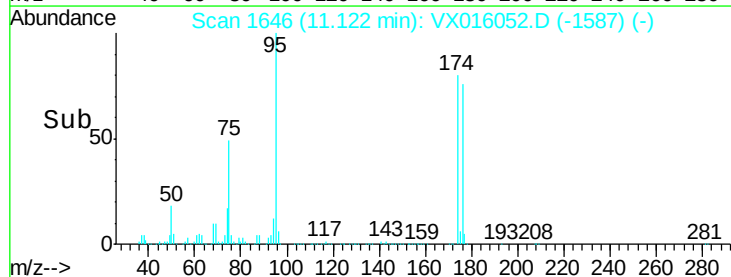
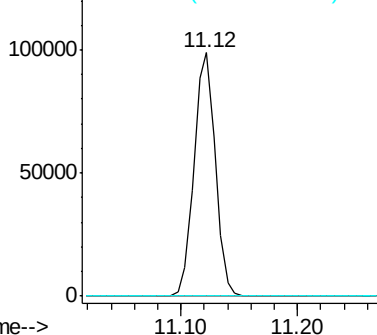
89 0.0 36.7 55.1#

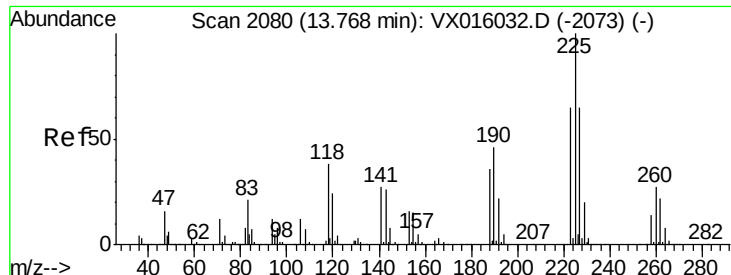


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#94

Hexachlorobutadiene

Concen: 0.655 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX016052.D

Acq: 05 May 2020 10:40

Instrument :

MSVOA_X

ClientSampleId :

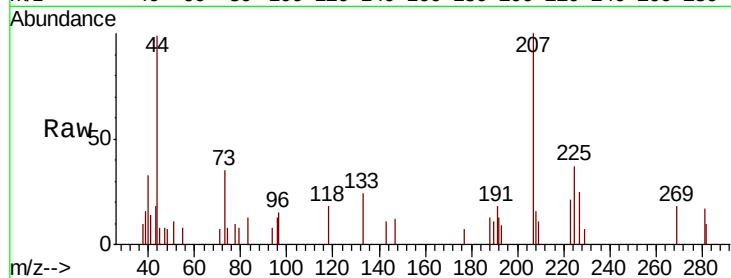
Tot Ion: 225 Resp: 335

Ion Ratio Lower Upper

225 100

223 49.0 32.3 96.9

227 58.2 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

