

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051520\
 Data File : VX016270.D
 Acq On : 15 May 2020 11:09
 Operator : JC/SP
 Sample : VX0515WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 16 06:39:38 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	5.63	168	259707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	427430	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	412165	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	194970	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	155434	45.48	ug/l	0.00
Spiked Amount			Recovery	=	90.96%	
35) Dibromofluoromethane	5.46	113	125913	46.50	ug/l	0.00
Spiked Amount			Recovery	=	93.00%	
50) Toluene-d8	8.70	98	530083	50.80	ug/l	0.00
Spiked Amount			Recovery	=	101.60%	
62) 4-Bromofluorobenzene	11.12	95	201270	50.72	ug/l	0.00
Spiked Amount			Recovery	=	101.44%	

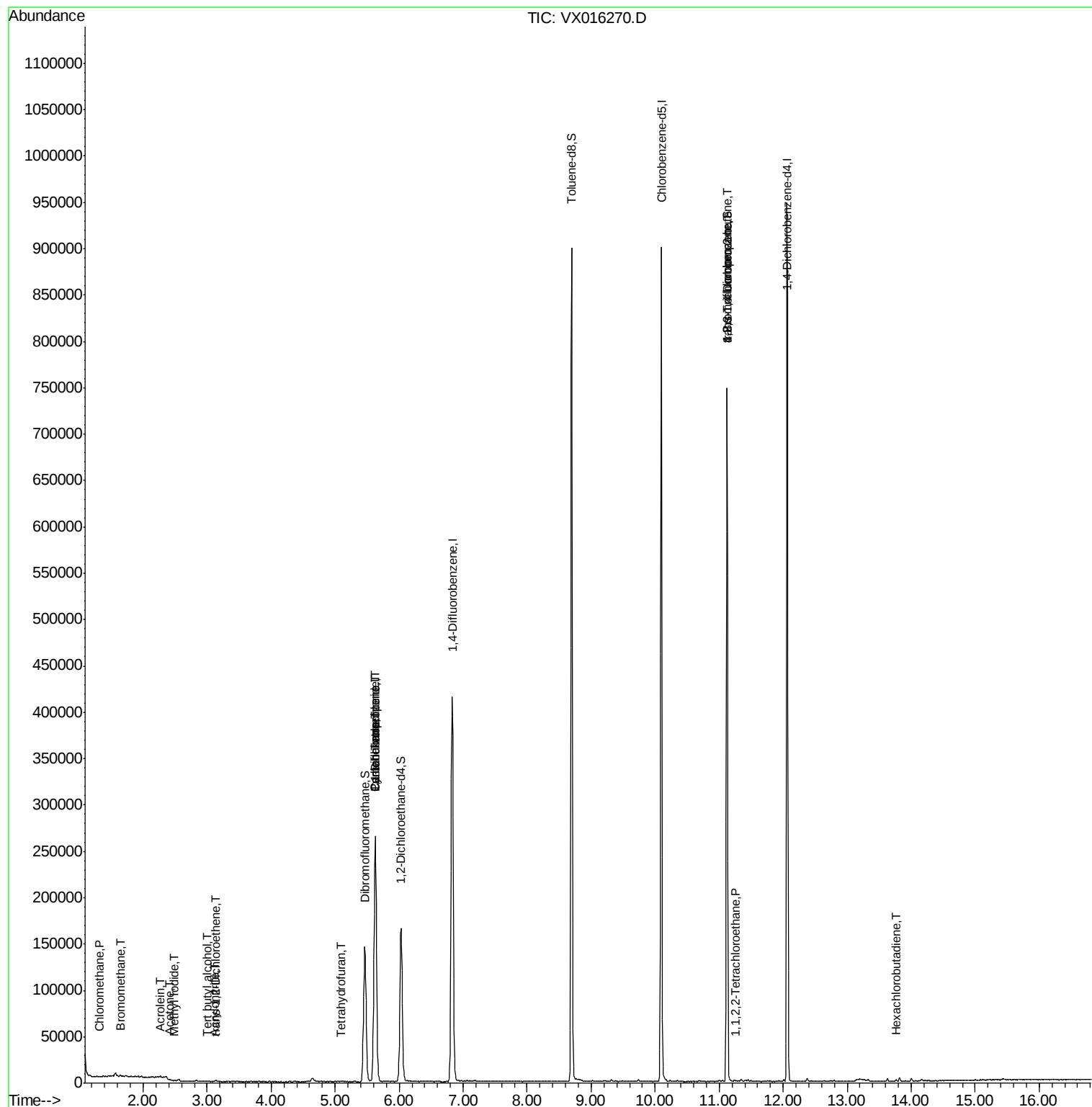
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	692	0.217	ug/l	99
5) Bromomethane	1.64	94	848	0.494	ug/l #	74
10) Methyl Iodide	2.50	142	900	0.260	ug/l	89
11) Tert butyl alcohol	3.00	59	238	0.275	ug/l #	72
13) Acrolein	2.27	56	953	1.762	ug/l #	82
15) Acrylonitrile	3.11	53	636	0.355	ug/l #	86
16) Acetone	2.42	43	979	0.642	ug/l #	82
21) trans-1,2-Dichloroethene	3.14	96	613	0.204	ug/l #	78
29) Tetrahydrofuran	5.09	42	529	0.325	ug/l #	37
31) Cyclohexane	5.62	56	4725	0.995	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	19303	4.588	ug/l #	41
38) Carbon Tetrachloride	5.62	117	24633	5.760	ug/l #	15
75) 1,1,2,2-Tetrachloroethane	11.26	83	20	2.056	ug/l #	26
76) 1,2,3-Trichloropropane	11.12	75	97539	22.046	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	97539	52.538	ug/l #	13
94) Hexachlorobutadiene	13.77	225	304	0.673	ug/l	89

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX016270.D

Acq: 15 May 2020 11:09

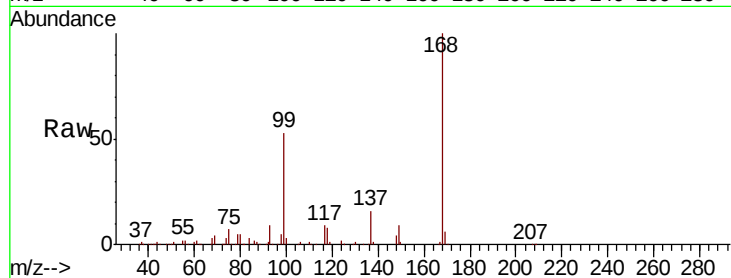
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 259707

Ion Ratio Lower Upper

168 100

99 52.9 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

80000

60000

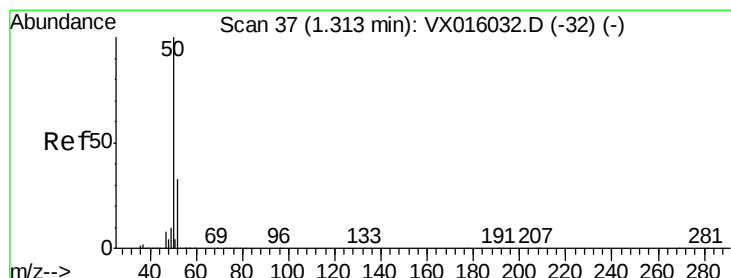
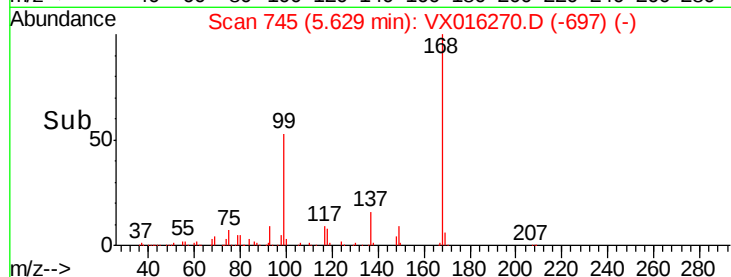
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.217 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016270.D

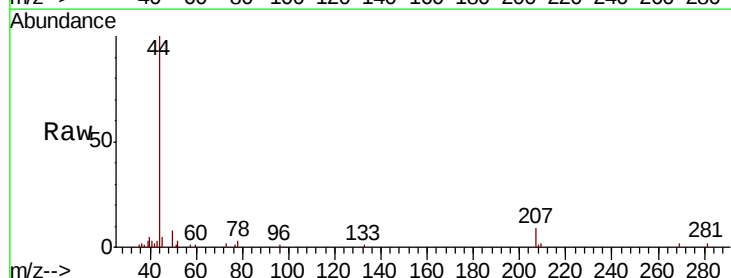
Acq: 15 May 2020 11:09

Tgt Ion: 50 Resp: 692

Ion Ratio Lower Upper

50 100

52 33.0 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

400

300

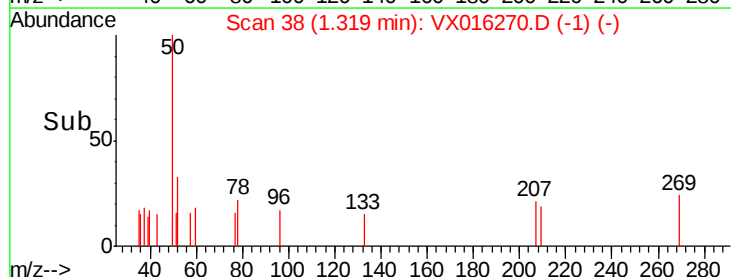
200

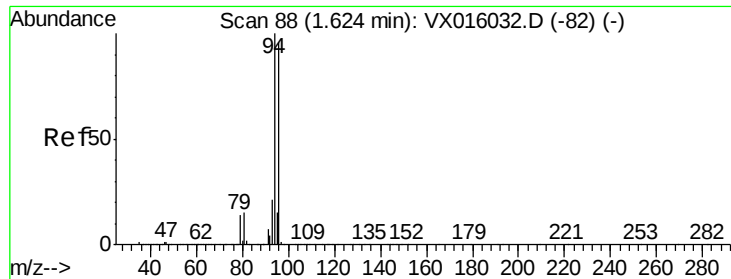
100

0

Time-->

1.25 1.30 1.35





#5

Bromomethane

Concen: 0.494 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX016270.D

Acq: 15 May 2020 11:09

Instrument :

MSVOA_X

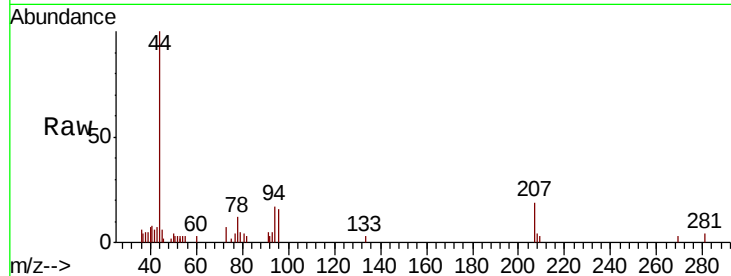
ClientSampleId :

Tot Ion: 94 Resp: 848

Ion Ratio Lower Upper

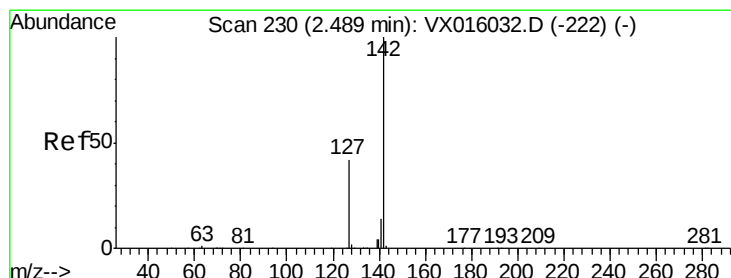
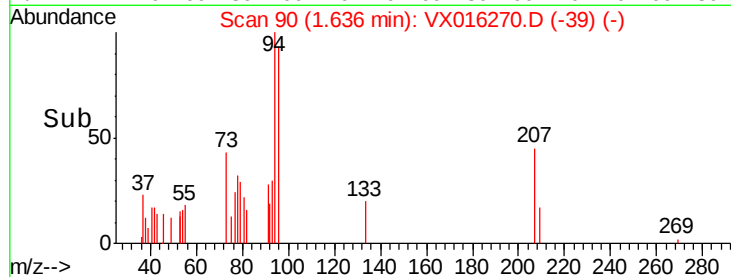
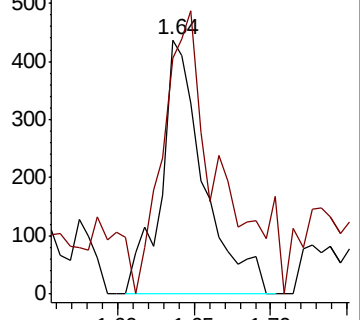
94 100

96 70.5 76.9 115.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 0.260 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX016270.D

Acq: 15 May 2020 11:09

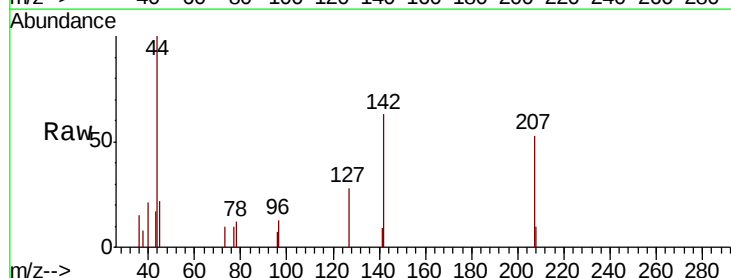
Tgt Ion: 142 Resp: 900

Ion Ratio Lower Upper

142 100

127 51.1 34.6 52.0

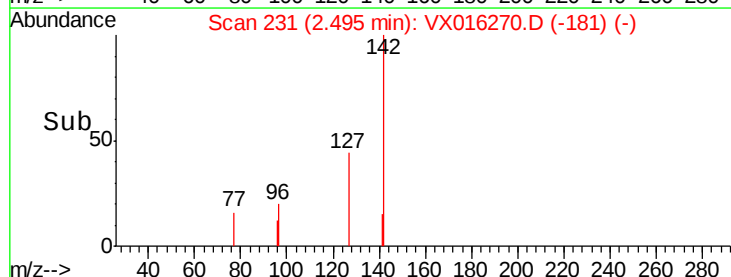
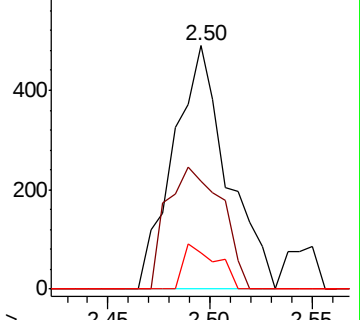
141 11.3 11.3 16.9

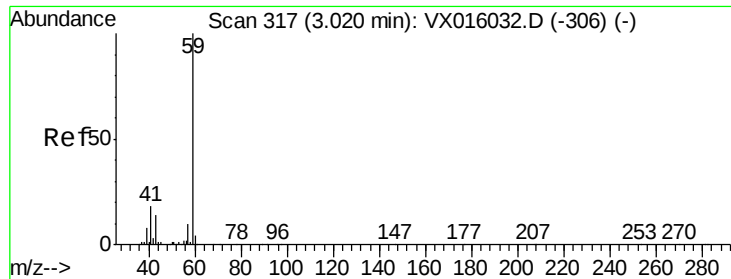


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



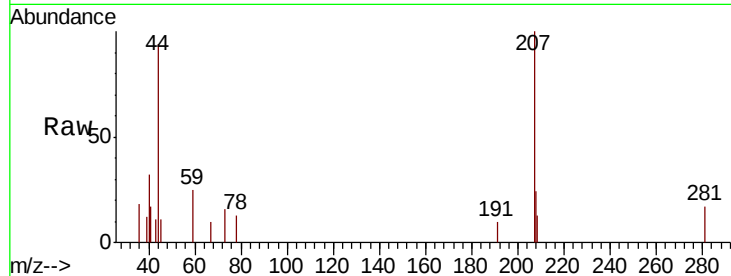


#11

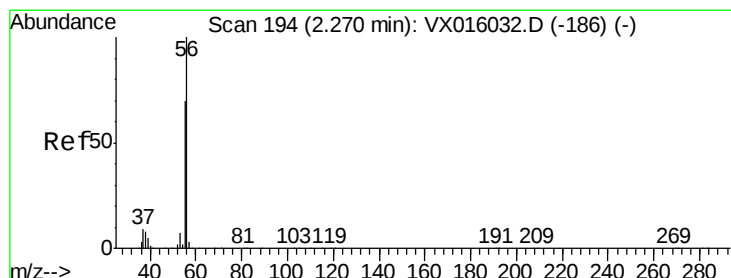
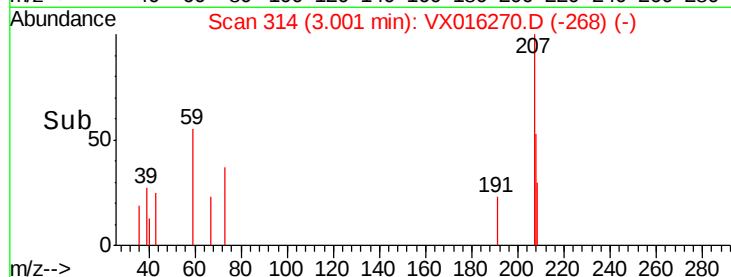
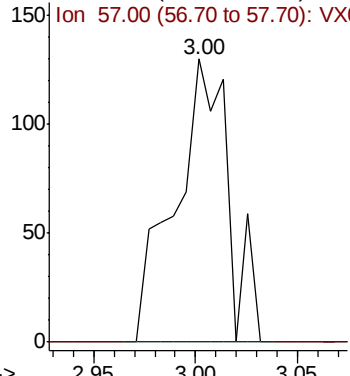
Tert butyl alcohol
 Concen: 0.275 ug/l
 RT: 3.00 min Scan# 314
 Delta R.T. -0.02 min
 Lab File: VX016270.D
 Acq: 15 May 2020 11:09

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 59 Resp: 238
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#



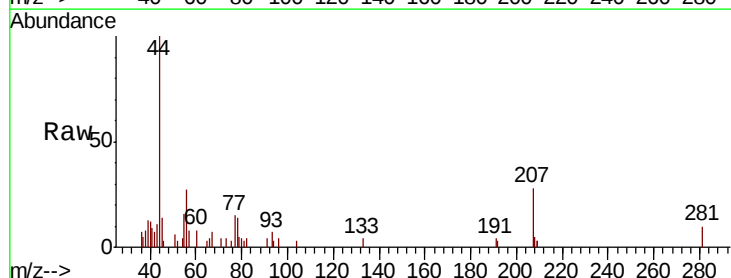
Abundance Ion 59.00 (58.70 to 59.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0



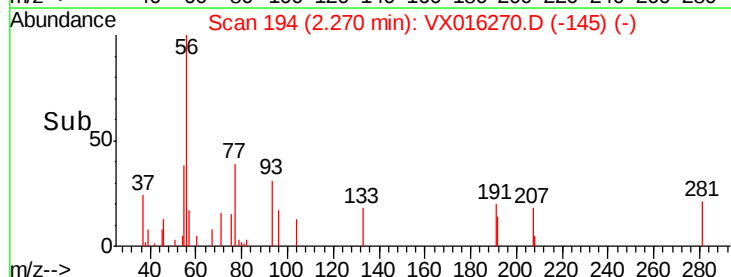
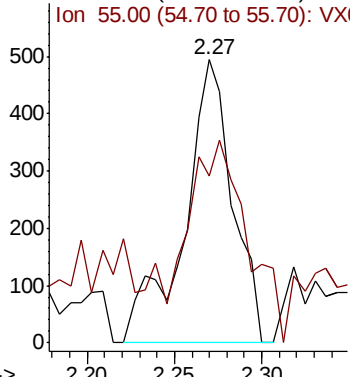
#13

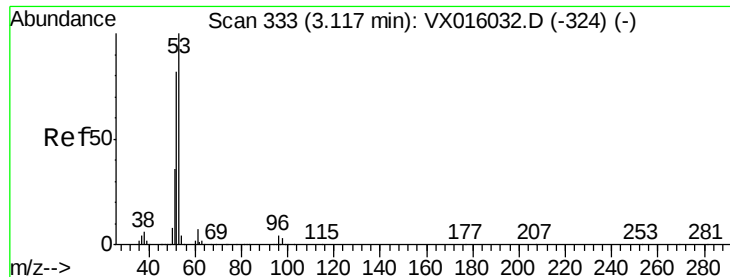
Acrolein
 Concen: 1.762 ug/l
 RT: 2.27 min Scan# 194
 Delta R.T. -0.00 min
 Lab File: VX016270.D
 Acq: 15 May 2020 11:09

Tgt Ion: 56 Resp: 953
 Ion Ratio Lower Upper
 56 100
 55 85.7 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.355 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX016270.D

Acq: 15 May 2020 11:09

Instrument :

MSVOA_X

ClientSampled :

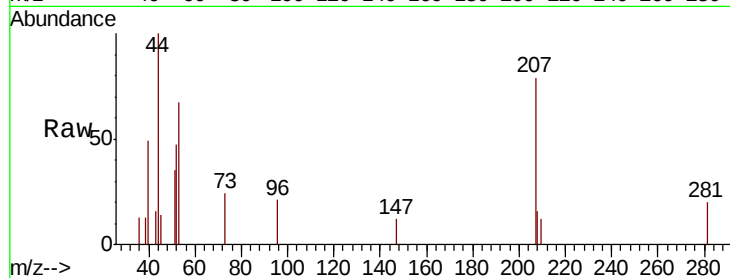
Tot Ion: 53 Resp: 636

Ion Ratio Lower Upper

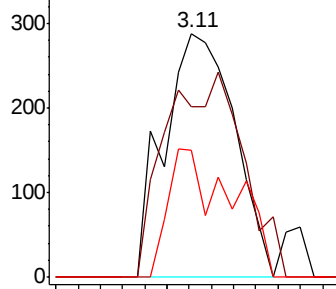
53 100

52 92.5 66.1 99.1

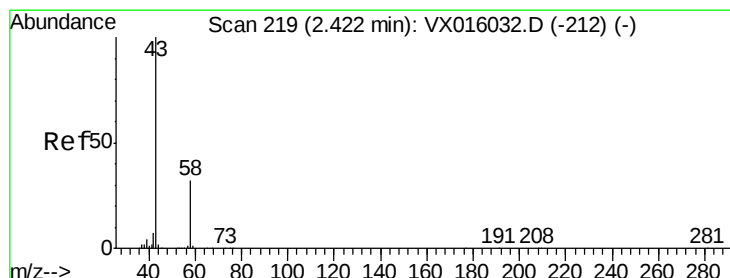
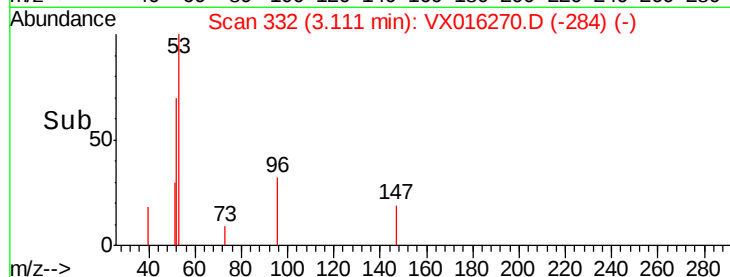
51 48.0 28.8 43.2#



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



Time-->



#16

Acetone

Concen: 0.642 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016270.D

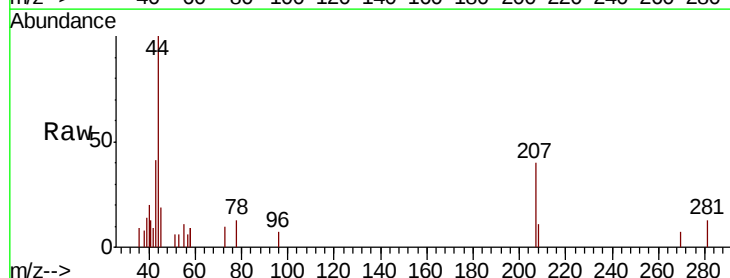
Acq: 15 May 2020 11:09

Tgt Ion: 43 Resp: 979

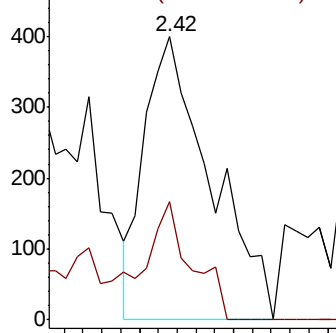
Ion Ratio Lower Upper

43 100

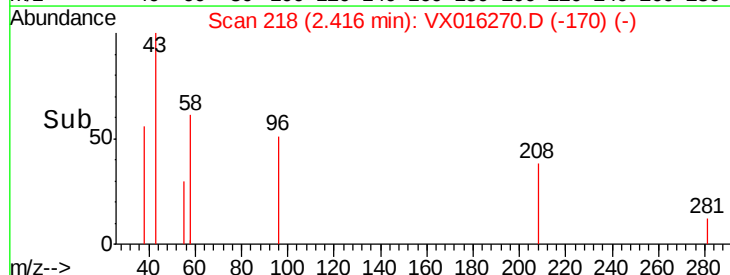
58 41.9 25.4 38.0#

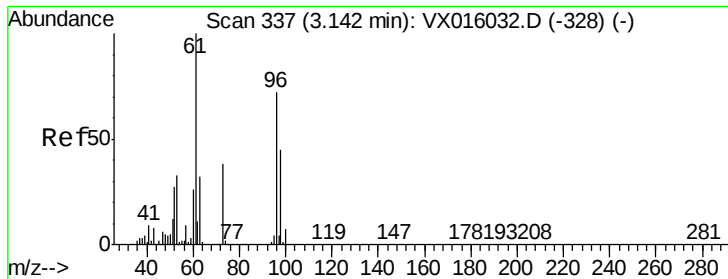


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



Time-->





#21

trans-1,2-Dichloroethene

Concen: 0.204 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016270.D

Acq: 15 May 2020 11:09

Instrument :

MSVOA_X

ClientSampleId :

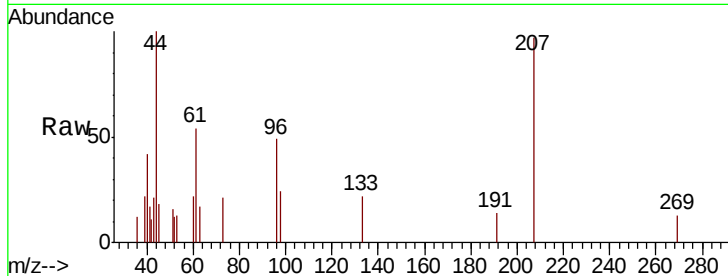
Tot Ion: 96 Resp: 613

Ion Ratio Lower Upper

96 100

61 110.0 111.2 166.8#

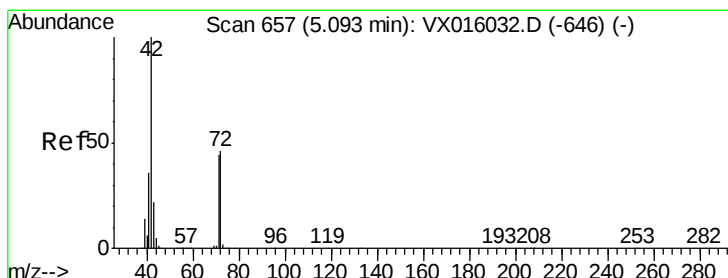
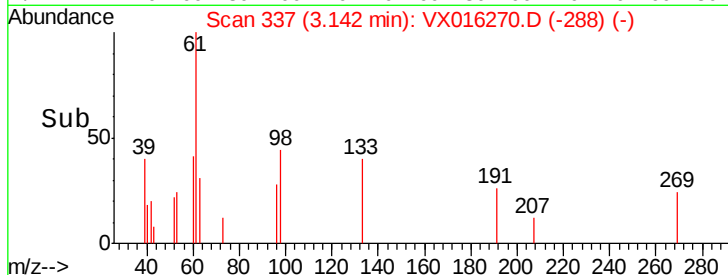
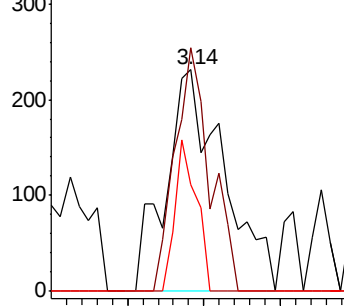
98 48.1 50.2 75.4#



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#29

Tetrahydrofuran

Concen: 0.325 ug/l

RT: 5.09 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX016270.D

Acq: 15 May 2020 11:09

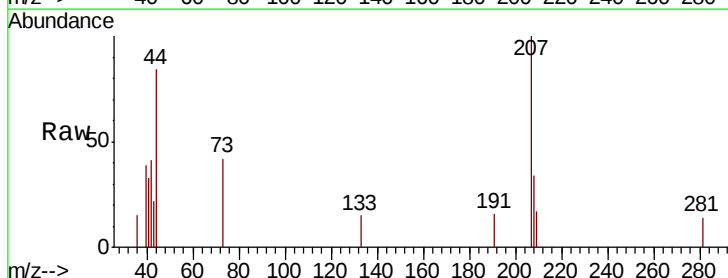
Tgt Ion: 42 Resp: 529

Ion Ratio Lower Upper

42 100

72 4.2 37.1 55.7#

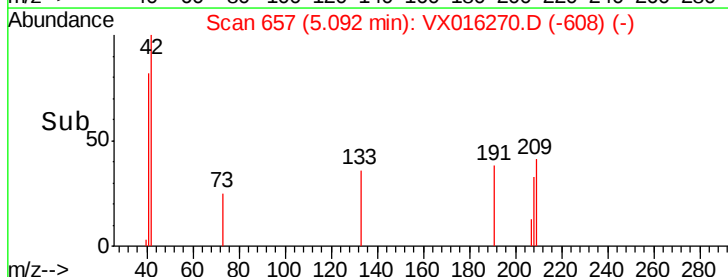
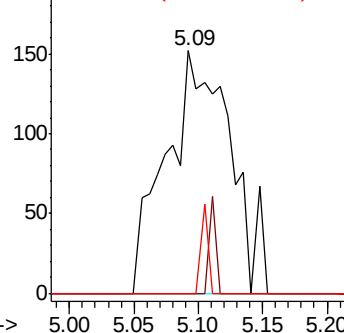
71 3.8 34.5 51.7#

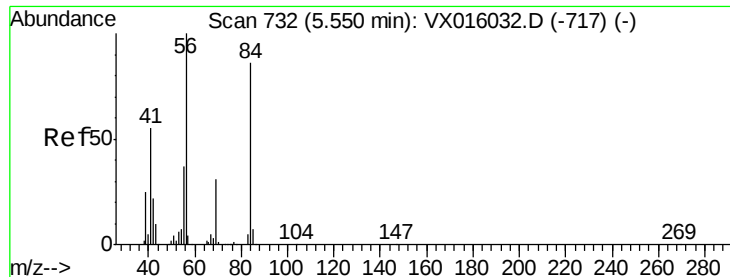


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

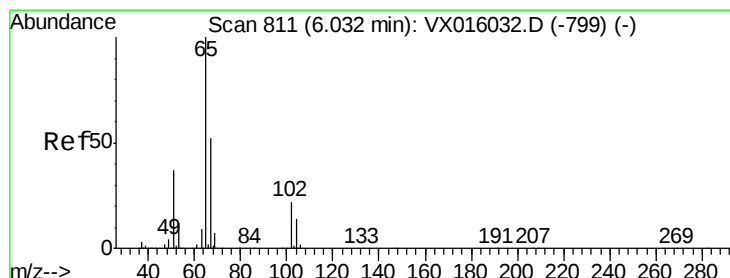
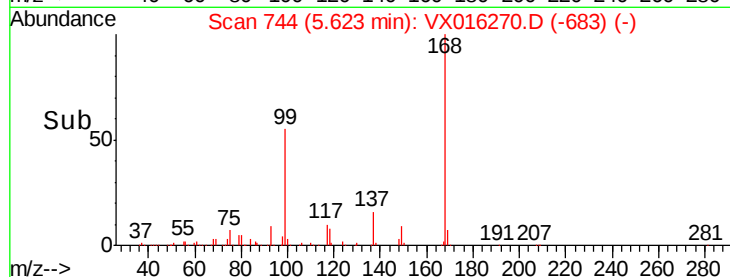
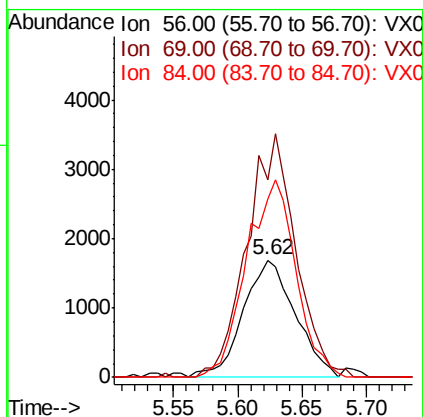
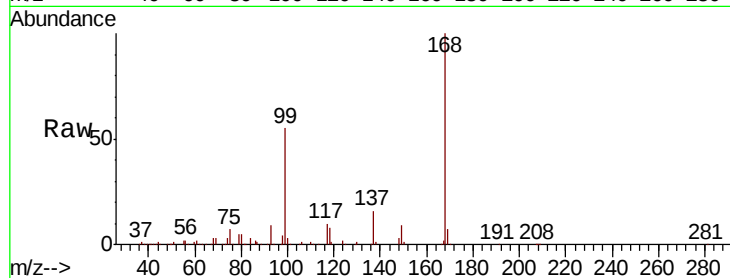




#31
Cyclohexane
Concen: 0.995 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX016270.D
Acq: 15 May 2020 11:09

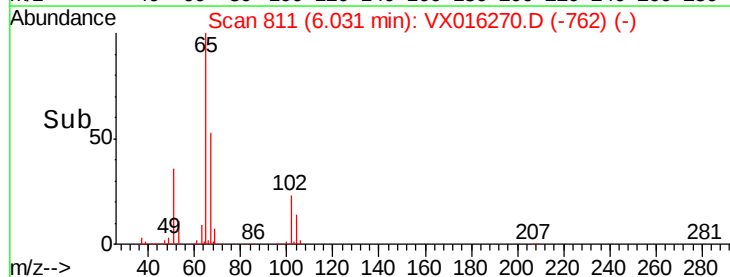
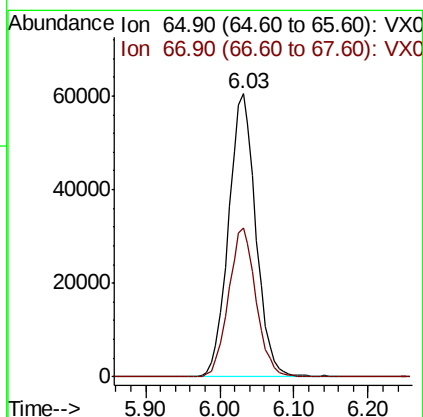
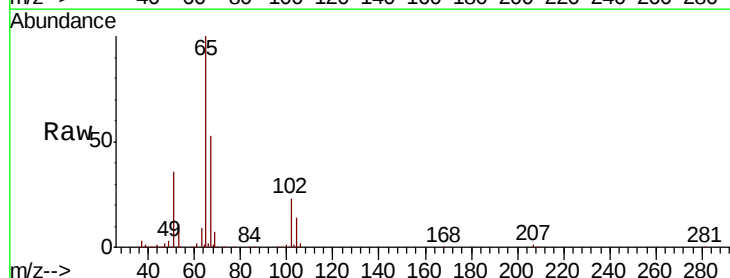
Instrument :
MSVOA_X
ClientSampled :

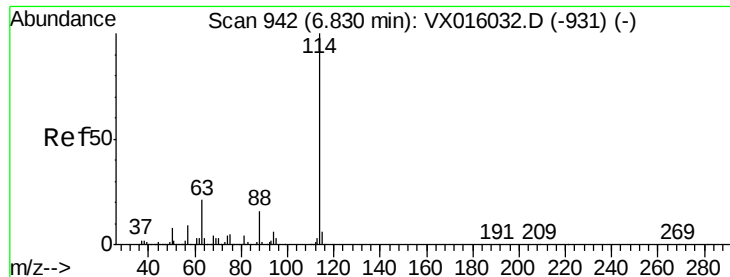
Tot Ion: 56 Resp: 4725
Ion Ratio Lower Upper
56 100
69 168.6 25.0 37.6#
84 152.6 69.0 103.6#



#33
1,2-Dichloroethane-d4
Concen: 45.482 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX016270.D
Acq: 15 May 2020 11:09

Tgt Ion: 65 Resp: 155434
Ion Ratio Lower Upper
65 100
67 52.8 0.0 104.8

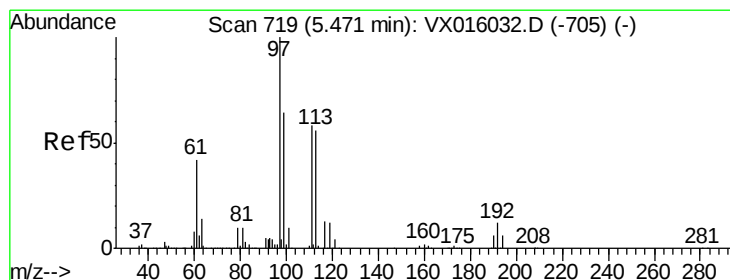
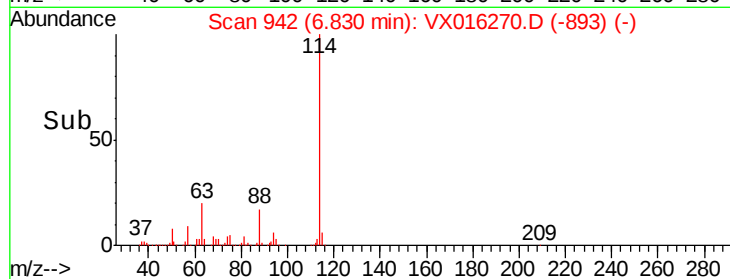
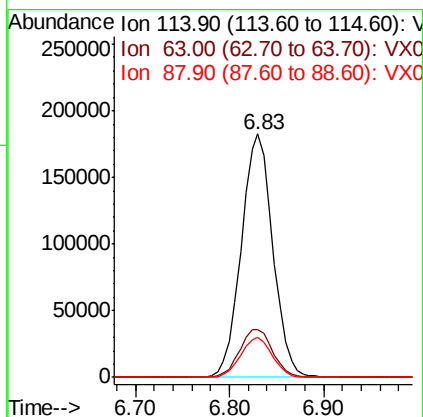
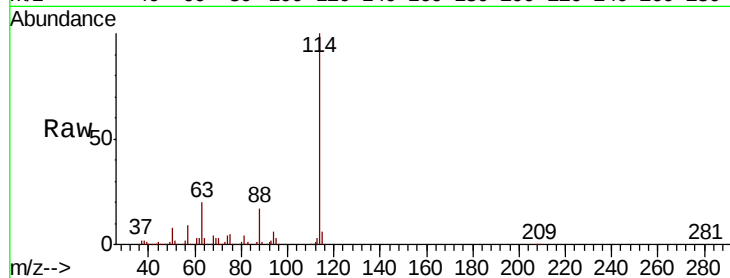




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX016270.D
 Acq: 15 May 2020 11:09

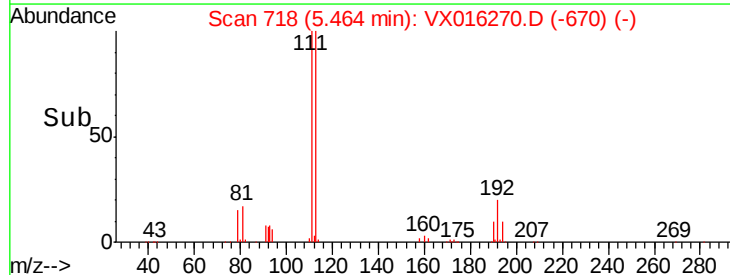
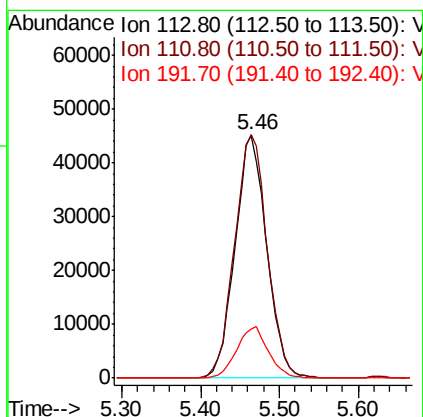
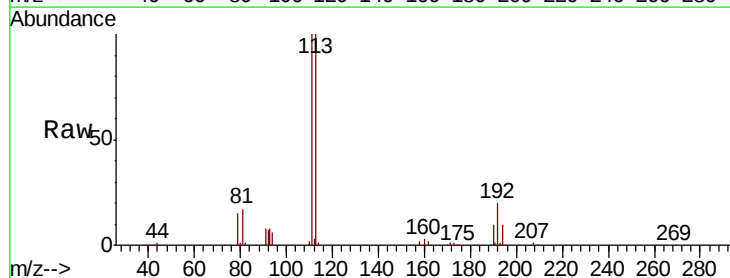
Instrument :
 MSVOA_X
 ClientSampleId :

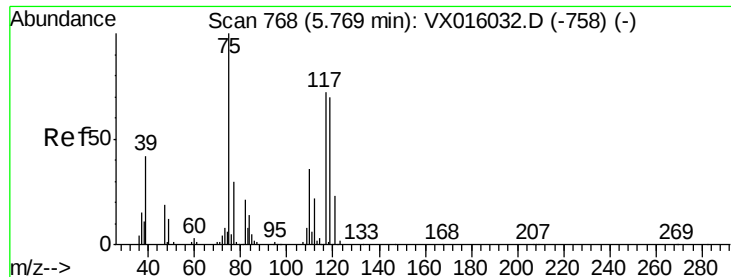
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	42.8
88	16.5	0.0	31.4



#35
 Dibromofluoromethane
 Concen: 46.497 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX016270.D
 Acq: 15 May 2020 11:09

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.6	122.4
192	21.2	17.0	25.4

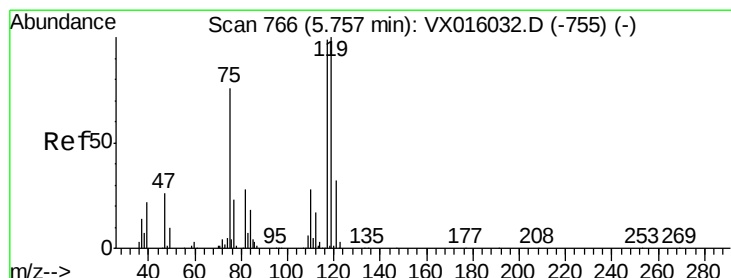
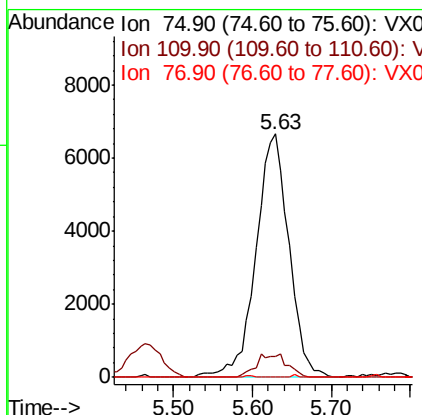
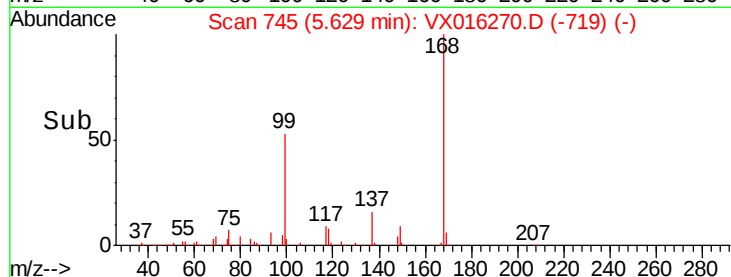
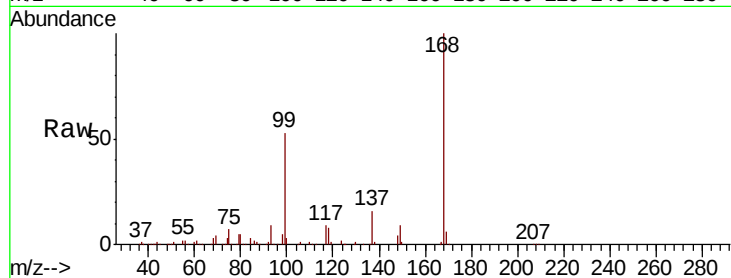




#36
 1,1-Dichloropropene
 Concen: 4.588 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016270.D
 Acq: 15 May 2020 11:09

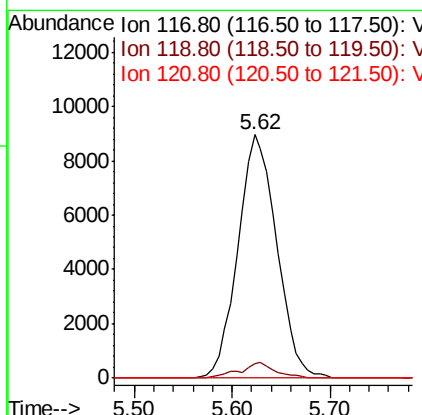
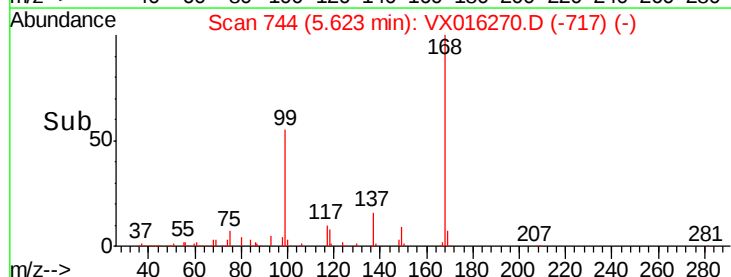
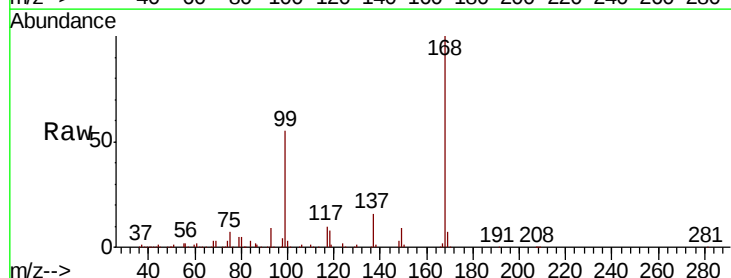
Instrument :
 MSVOA_X
 ClientSampleId :

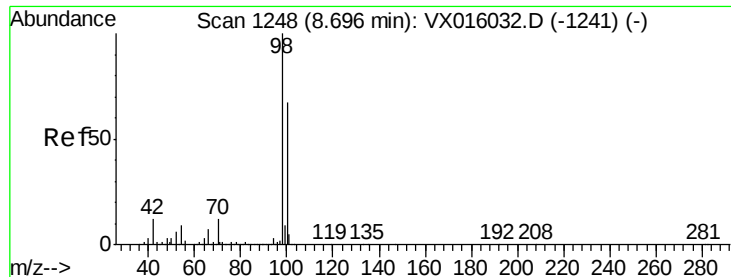
Tot Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.1	54.1#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 5.760 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.13 min
 Lab File: VX016270.D
 Acq: 15 May 2020 11:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.8	80.3	120.5#
121	0.0	25.7	38.5#





#50

Toluene-d8

Concen: 50.804 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016270.D

Acq: 15 May 2020 11:09

Instrument :

MSVOA_X

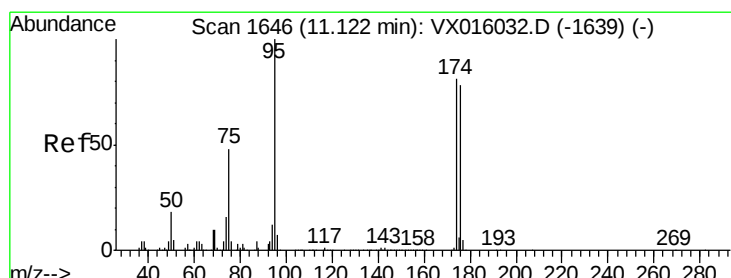
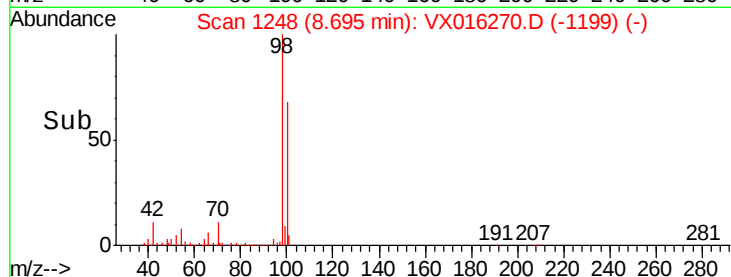
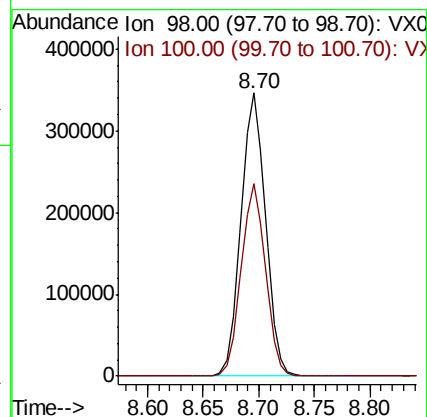
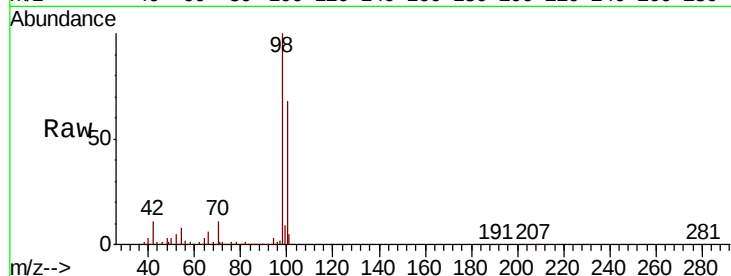
ClientSampleId :

Tot Ion: 98 Resp: 530083

Ion Ratio Lower Upper

98 100

100 67.3 53.7 80.5



#62

4-Bromofluorobenzene

Concen: 50.716 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016270.D

Acq: 15 May 2020 11:09

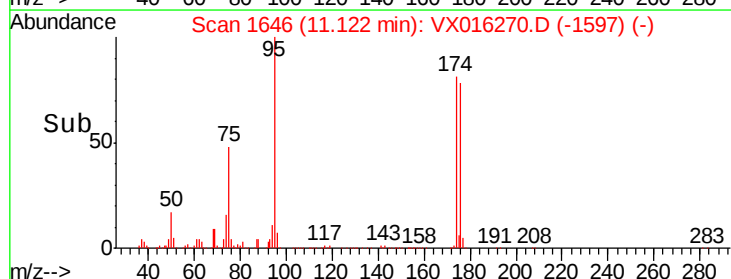
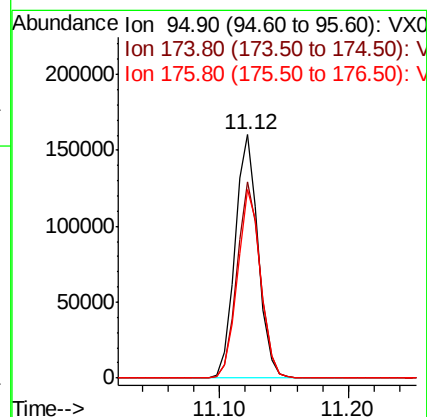
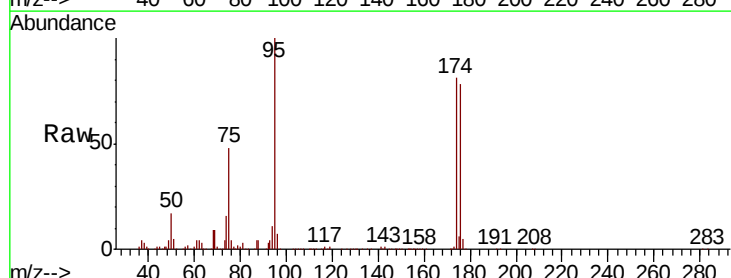
Tgt Ion: 95 Resp: 201270

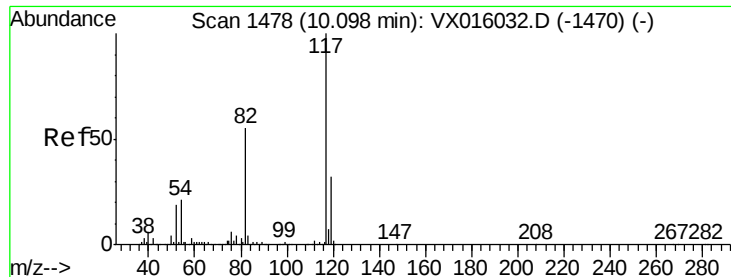
Ion Ratio Lower Upper

95 100

174 80.6 0.0 159.4

176 77.6 0.0 157.6

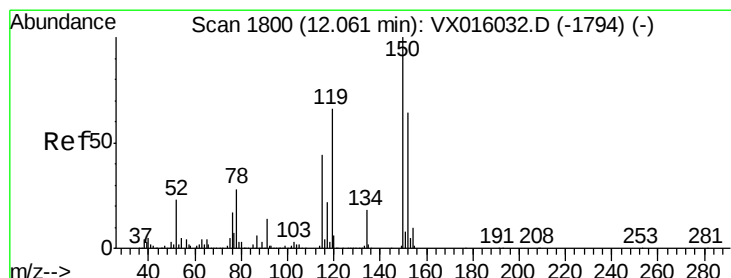
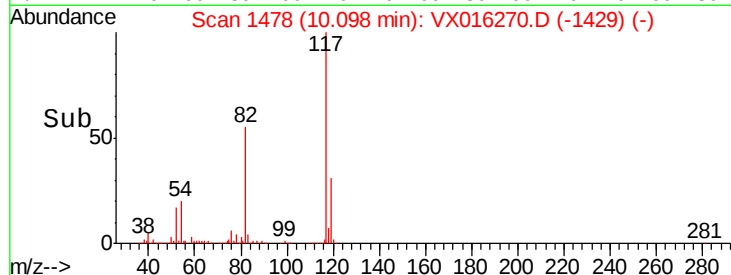
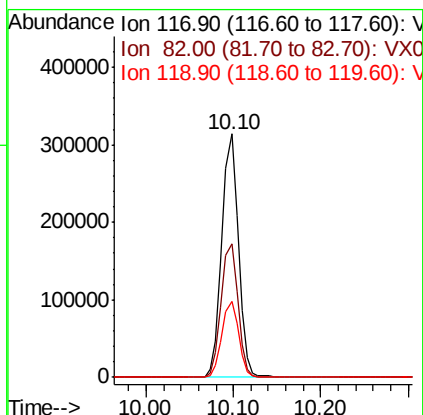
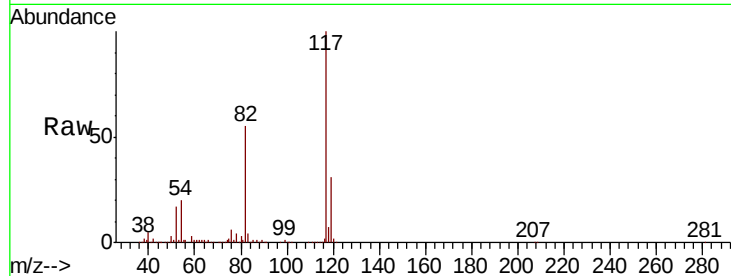




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016270.D
Acq: 15 May 2020 11:09

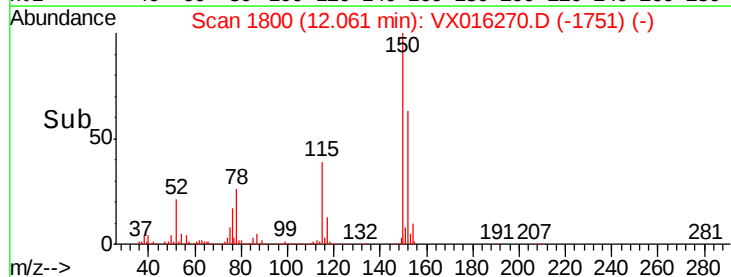
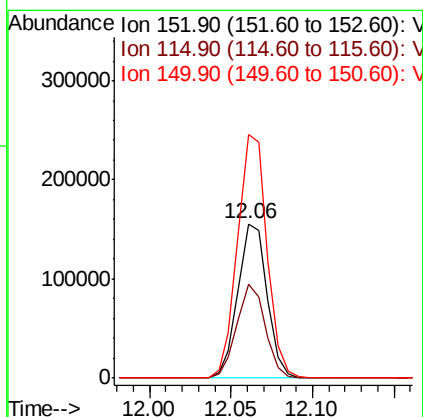
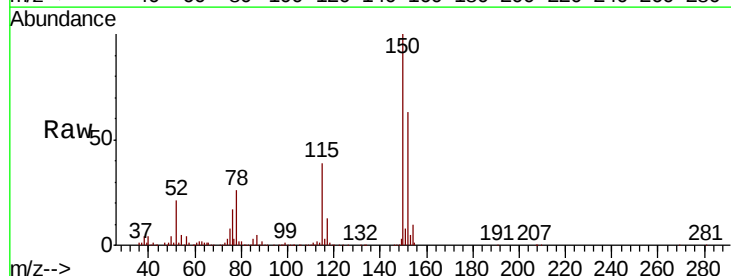
Instrument :
MSVOA_X
ClientSampleId :

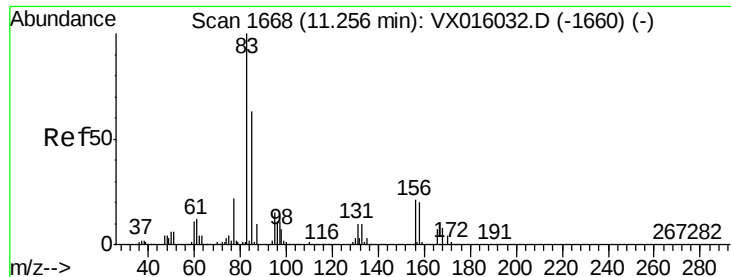
Tot Ion:117 Resp: 412165
Ion Ratio Lower Upper
117 100
82 54.6 44.4 66.6
119 31.3 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016270.D
Acq: 15 May 2020 11:09

Tgt Ion:152 Resp: 194970
Ion Ratio Lower Upper
152 100
115 59.2 41.3 124.1
150 158.6 0.0 352.2





#75

1,1,2,2-Tetrachloroethane

Concen: 2.056 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. -0.00 min

Lab File: VX016270.D

Acq: 15 May 2020 11:09

Instrument :

MSVOA_X

ClientSampleId :

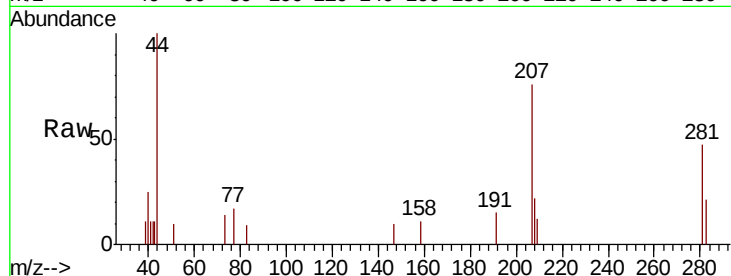
Tot Ion: 83 Resp: 20

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.4#

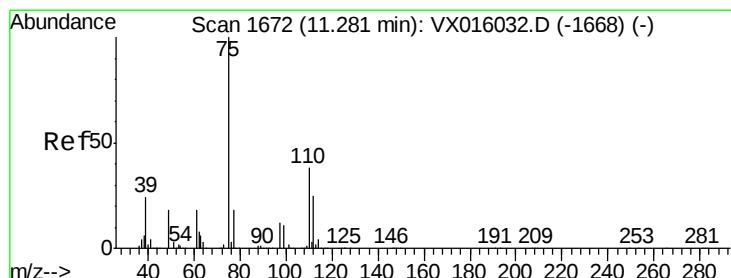
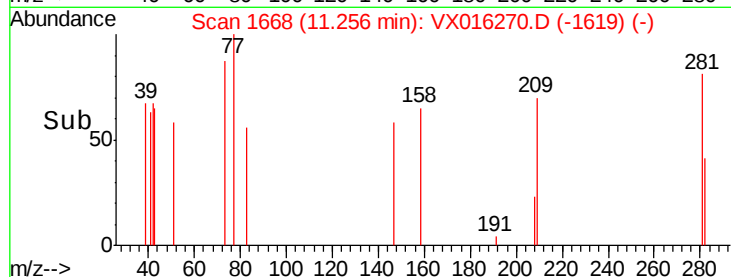
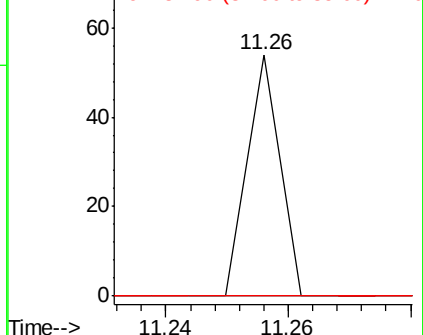
85 0.0 32.0 96.0#



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: 22.046 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016270.D

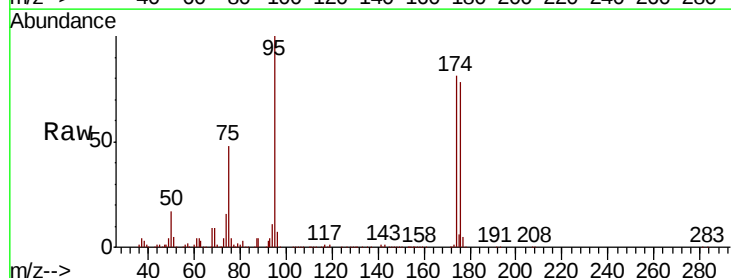
Acq: 15 May 2020 11:09

Tgt Ion: 75 Resp: 97539

Ion Ratio Lower Upper

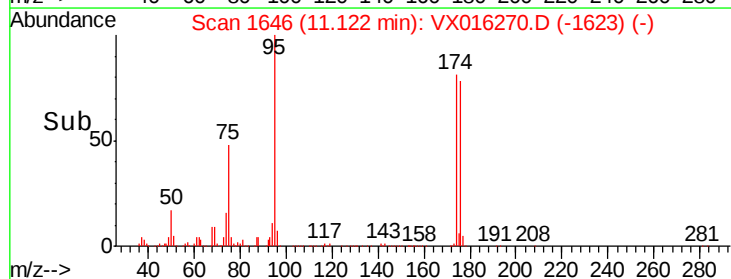
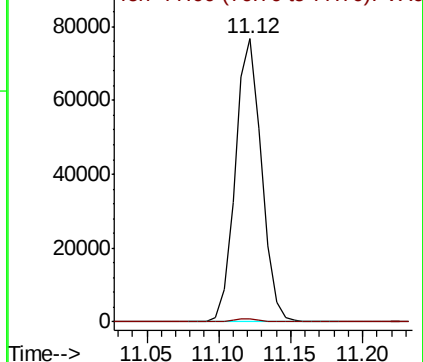
75 100

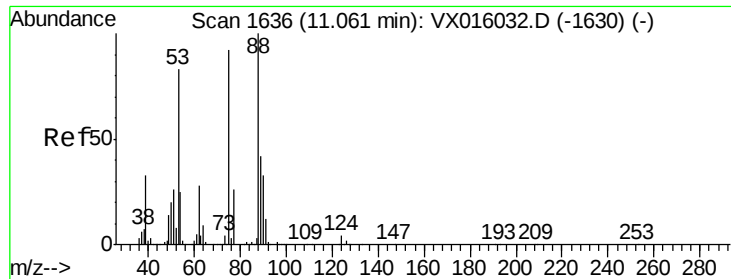
77 1.3 21.2 63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

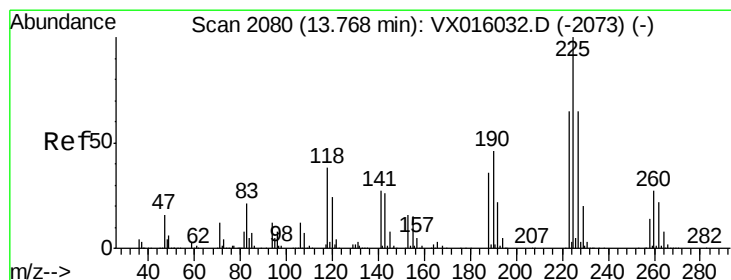
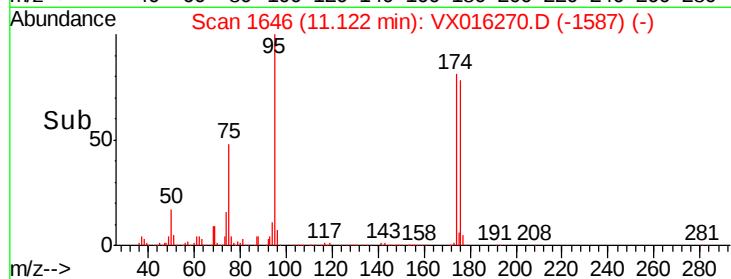
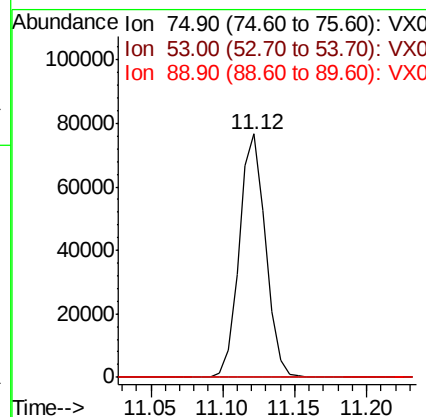
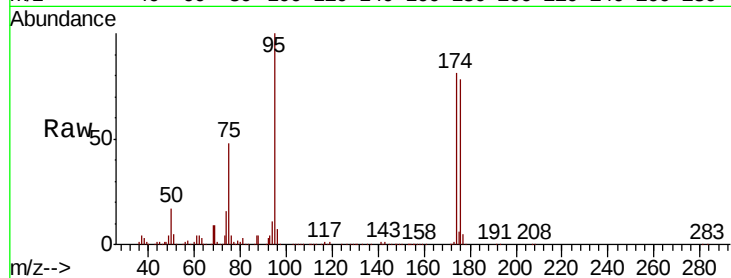




#81
trans-1,4-Dichloro-2-butene
Concen: 52.538 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.06 min
Lab File: VX016270.D
Acq: 15 May 2020 11:09

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 75 Resp: 97539
Ion Ratio Lower Upper
75 100
53 0.0 73.1 109.7#
89 0.0 36.7 55.1#



#94
Hexachlorobutadiene
Concen: 0.673 ug/l
RT: 13.77 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX016270.D
Acq: 15 May 2020 11:09

Tgt Ion: 225 Resp: 304
Ion Ratio Lower Upper
225 100
223 75.3 32.3 96.9
227 56.6 31.8 95.4

