

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX051420\
 Data File : VX016232.D
 Acq On : 14 May 2020 15:38
 Operator : JC/SP
 Sample : L2643-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW100-200513

Quant Time: May 15 01:33:37 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	257494	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	428648	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	420630	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	215842	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	158484	46.77	ug/l	0.00
Spiked Amount 50.000			Recovery =	93.54%		
35) Dibromofluoromethane	5.47	113	127706	47.03	ug/l	0.00
Spiked Amount 50.000			Recovery =	94.06%		
50) Toluene-d8	8.70	98	532503	50.89	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.78%		
62) 4-Bromofluorobenzene	11.12	95	215447	54.13	ug/l	0.00
Spiked Amount 50.000			Recovery =	108.26%		

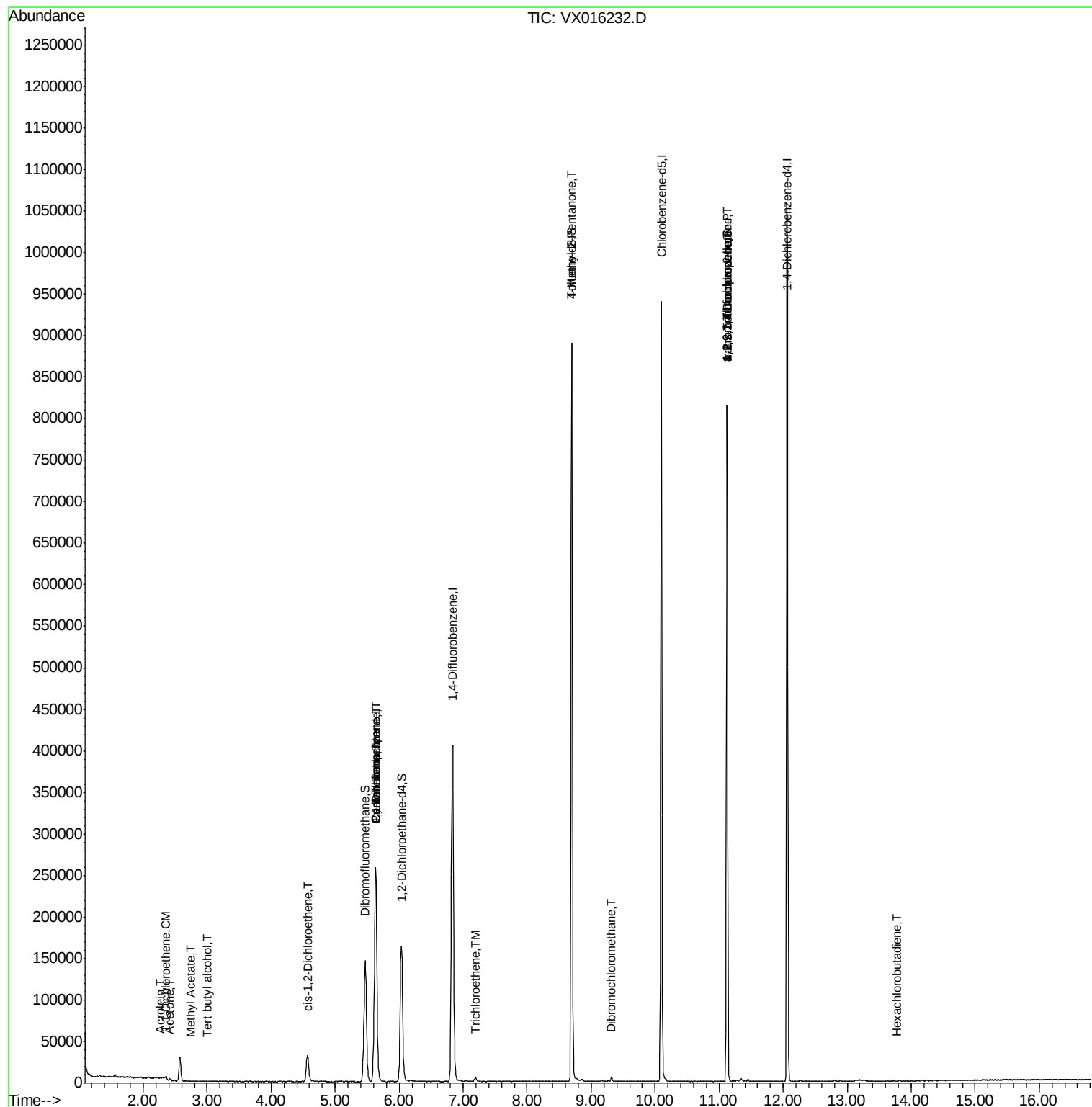
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.01	59	250	0.29	ug/l #	72
12) 1,1-Dichloroethene	2.36	96	921	0.34	ug/l #	69
13) Acrolein	2.26	56	255	0.48	ug/l #	14
16) Acetone	2.42	43	2846	1.88	ug/l	99
18) Methyl Acetate	2.75	43	845	0.23	ug/l #	56
27) cis-1,2-Dichloroethene	4.56	96	20510	6.29	ug/l	86
31) Cyclohexane	5.63	56	4756	1.01	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	19192	4.55	ug/l #	49
38) Carbon Tetrachloride	5.63	117	24558	5.73	ug/l #	14
44) Trichloroethene	7.19	130	1710	0.39	ug/l	97
51) 4-Methyl-2-Pentanone	8.70	43	2410	0.50	ug/l #	1
60) Dibromochloromethane	9.32	129	680	0.20	ug/l #	11
75) 1,1,2,2-Tetrachloroethane	11.13	83	151	2.10	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	104674	21.37	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	104674	50.93	ug/l #	13
94) Hexachlorobutadiene	13.77	225	20	0.53	ug/l #	18

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX051420\
Data File : VX016232.D
Acq On : 14 May 2020 15:38
Operator : JC/SP
Sample : L2643-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SS052MW100-200513

Quant Time: May 15 01:33:37 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
Quant Title : SW846 8260
QLast Update : Wed May 06 06:43:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016232.D

Acq: 14 May 2020 15:38

Instrument :

MSVOA_X

ClientSampleId :

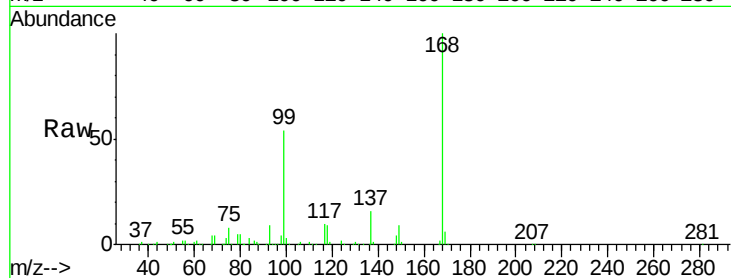
SS052MW100-200513

Tgt Ion:168 Resp: 257494

Ion Ratio Lower Upper

168 100

99 54.1 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

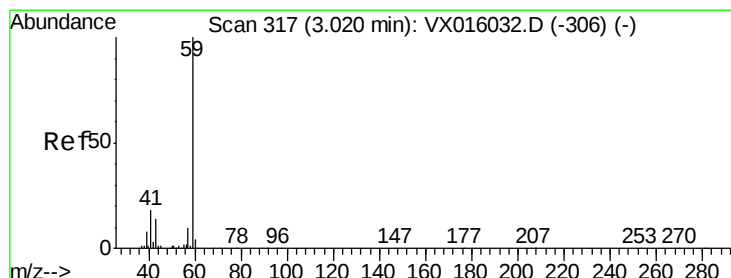
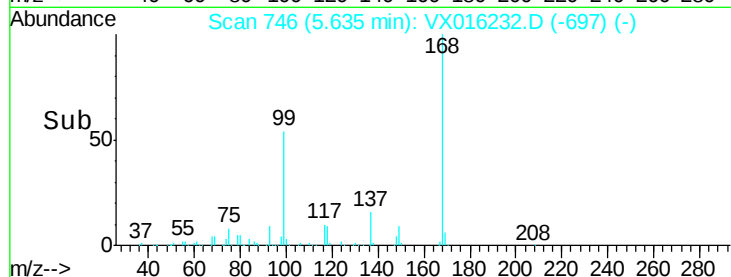
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.29 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX016232.D

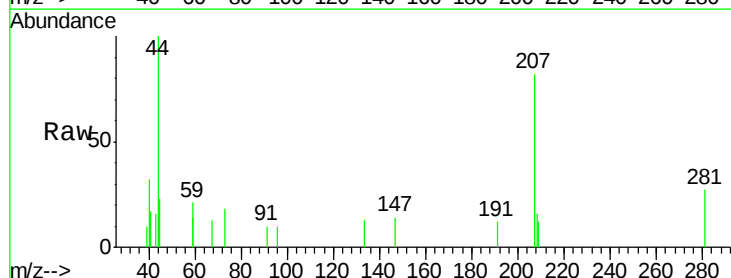
Acq: 14 May 2020 15:38

Tgt Ion: 59 Resp: 250

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

3.01

200

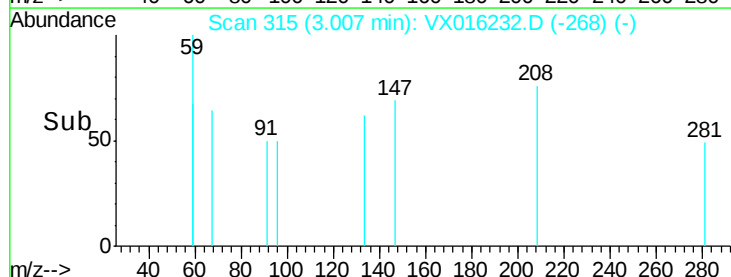
150

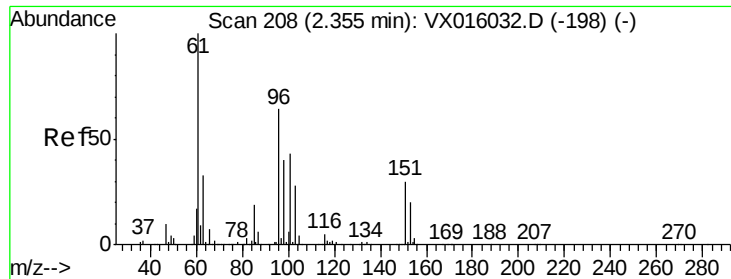
100

50

0

Time-->





#12

1,1-Dichloroethene

Concen: 0.34 ug/l

RT: 2.36 min Scan# 209

Delta R.T. 0.01 min

Lab File: VX016232.D

Acq: 14 May 2020 15:38

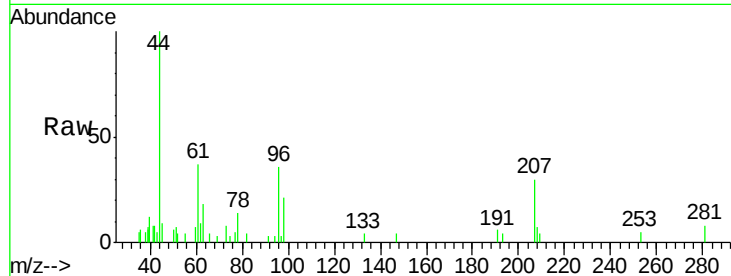
Instrument :

MSVOA_X

ClientSampleId :

SS052MW100-200513

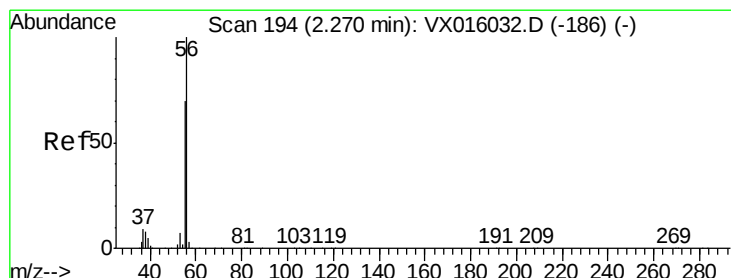
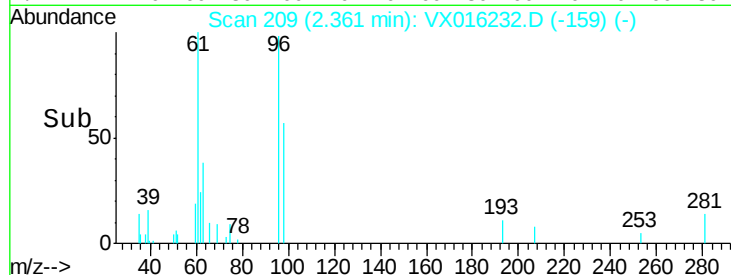
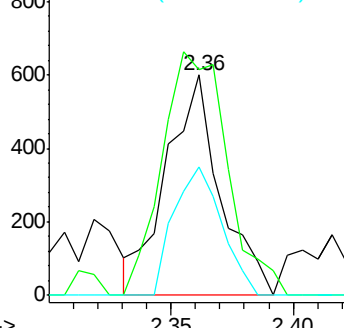
Tgt Ion	Ratio	Lower	Upper
96	100		
61	102.3	124.8	187.2#
98	58.5	49.7	74.5



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



#13

Acrolein

Concen: 0.48 ug/l

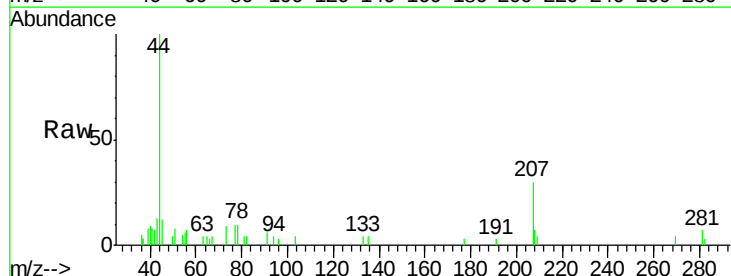
RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX016232.D

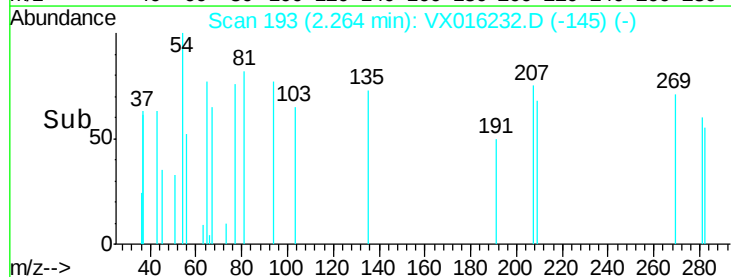
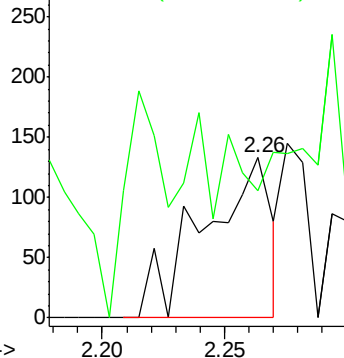
Acq: 14 May 2020 15:38

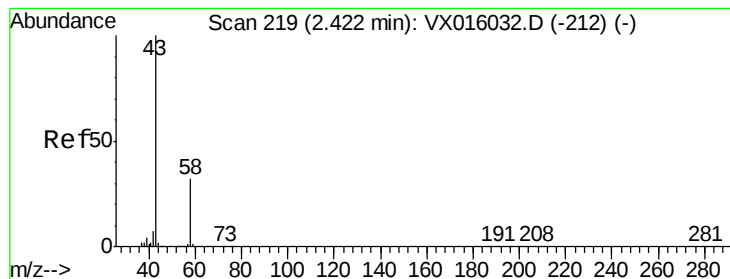
Tgt Ion	Ratio	Lower	Upper
56	100		
55	0.0	56.5	84.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 1.88 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016232.D

Acq: 14 May 2020 15:38

Instrument :

MSVOA_X

ClientSampleId :

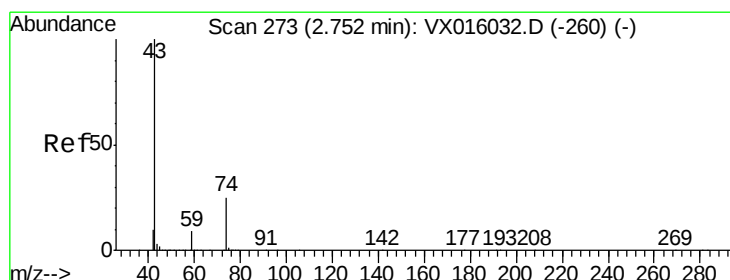
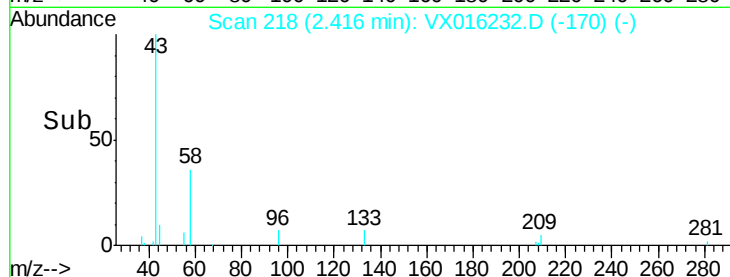
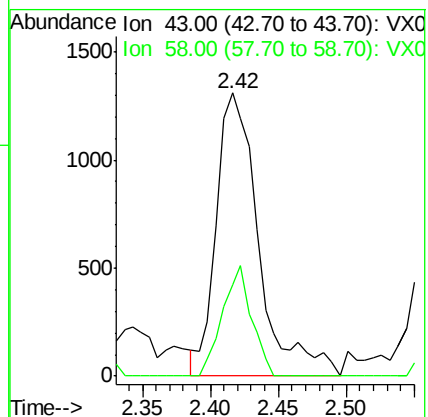
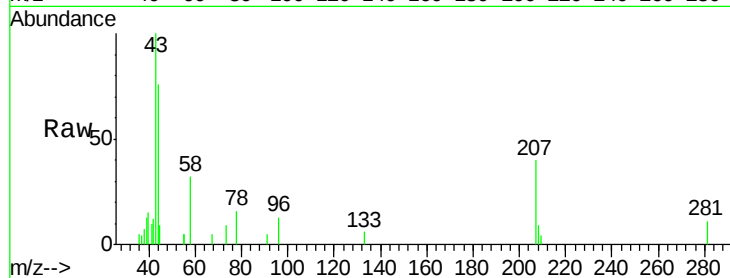
SS052MW100-200513

Tgt Ion: 43 Resp: 2846

Ion Ratio Lower Upper

43 100

58 32.3 25.4 38.0



#18

Methyl Acetate

Concen: 0.23 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.01 min

Lab File: VX016232.D

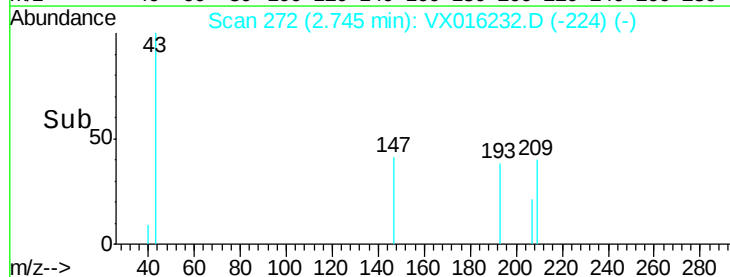
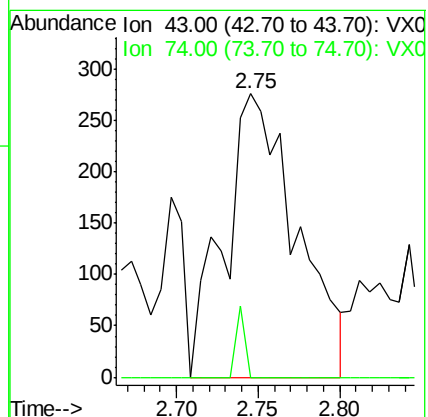
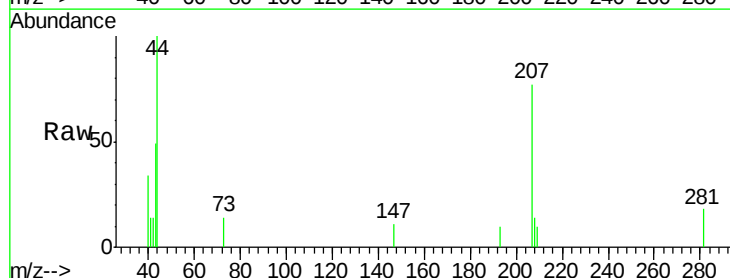
Acq: 14 May 2020 15:38

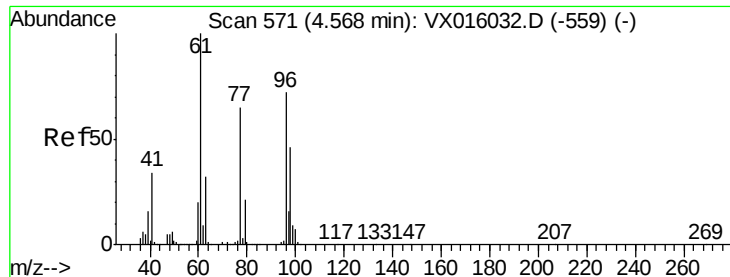
Tgt Ion: 43 Resp: 845

Ion Ratio Lower Upper

43 100

74 3.0 20.2 30.2#





#27

cis-1,2-Dichloroethene

Concen: 6.29 ug/l

RT: 4.56 min Scan# 570

Delta R.T. -0.01 min

Lab File: VX016232.D

Acq: 14 May 2020 15:38

Instrument :

MSVOA_X

ClientSampleId :

SS052MW100-200513

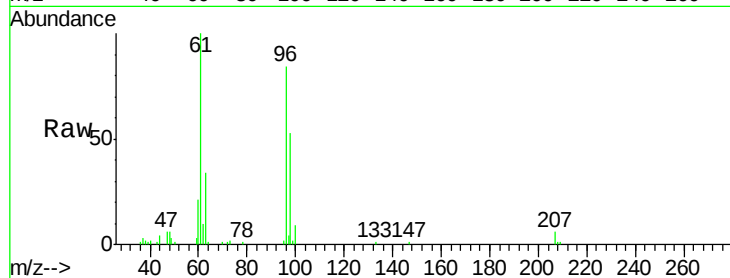
Tgt Ion: 96 Resp: 20510

Ion Ratio Lower Upper

96 100

61 122.8 0.0 296.2

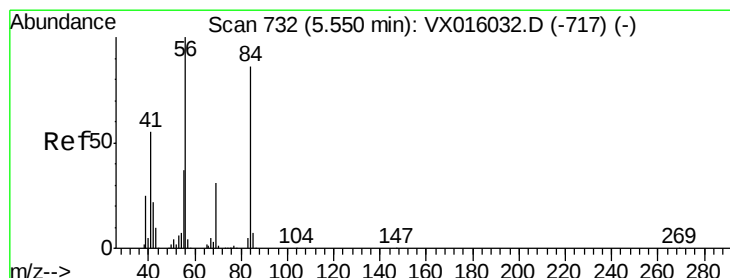
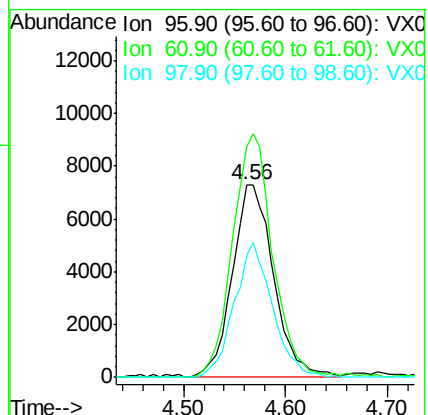
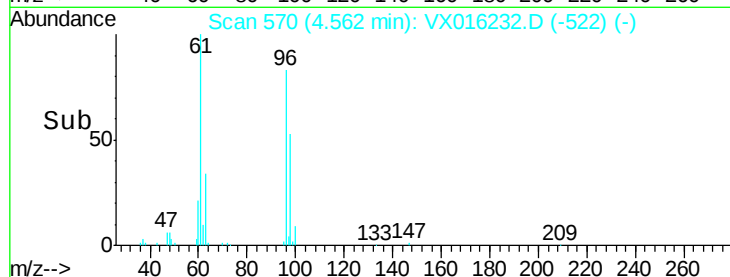
98 64.9 0.0 129.4



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



#31

Cyclohexane

Concen: 1.01 ug/l

RT: 5.63 min Scan# 746

Delta R.T. 0.09 min

Lab File: VX016232.D

Acq: 14 May 2020 15:38

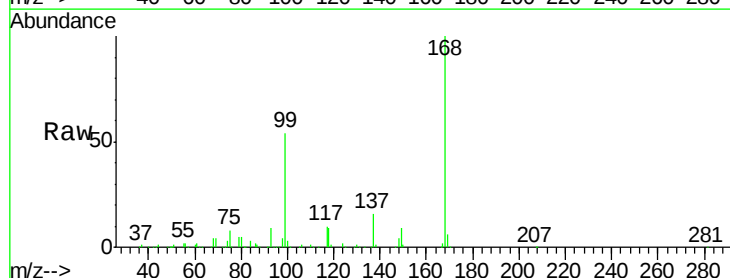
Tgt Ion: 56 Resp: 4756

Ion Ratio Lower Upper

56 100

69 216.2 25.0 37.6#

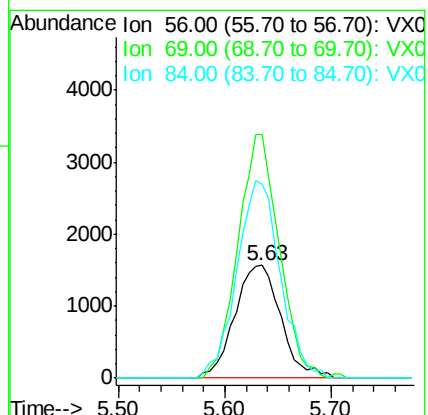
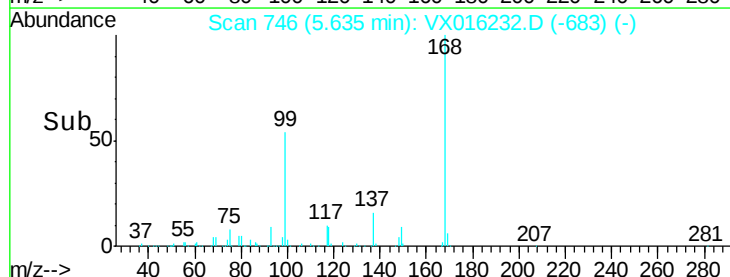
84 171.8 69.0 103.6#

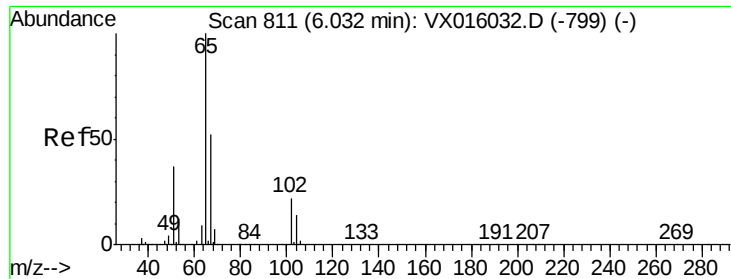


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 46.77 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016232.D

Acq: 14 May 2020 15:38

Instrument :

MSVOA_X

ClientSampleId :

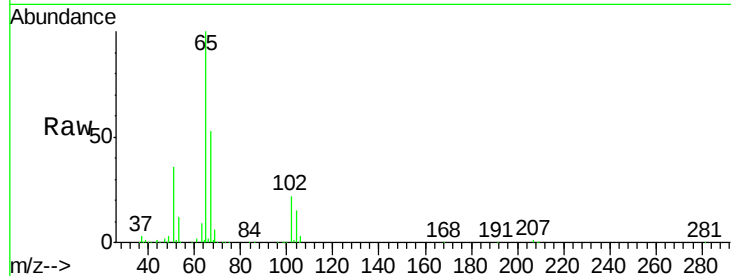
SS052MW100-200513

Tgt Ion: 65 Resp: 158484

Ion Ratio Lower Upper

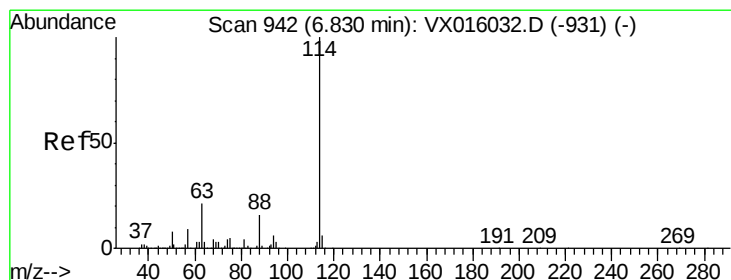
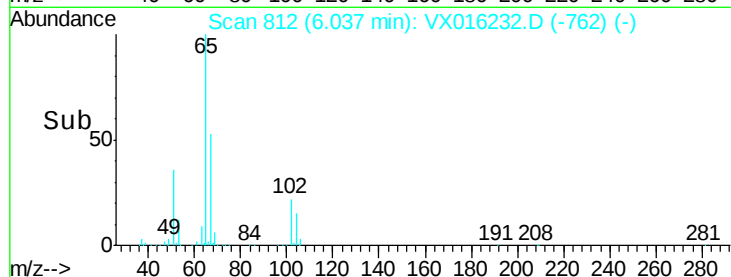
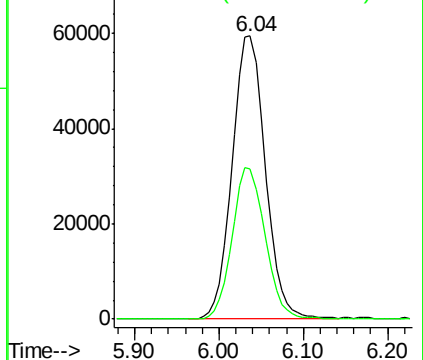
65 100

67 53.3 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: 50.00 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016232.D

Acq: 14 May 2020 15:38

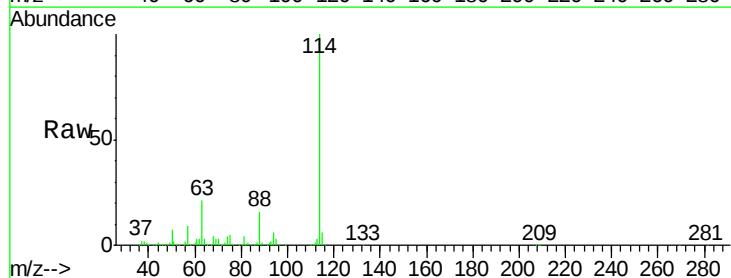
Tgt Ion: 114 Resp: 428648

Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.8

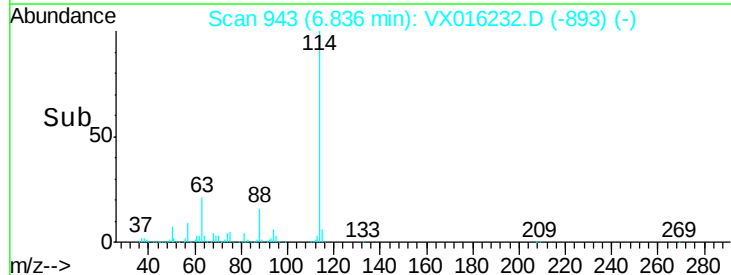
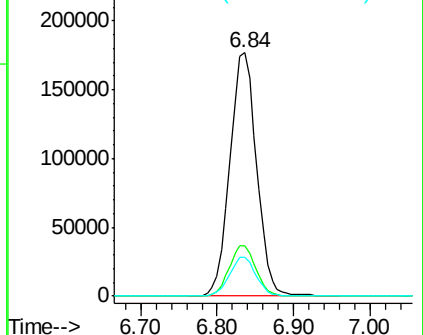
88 16.0 0.0 31.4



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

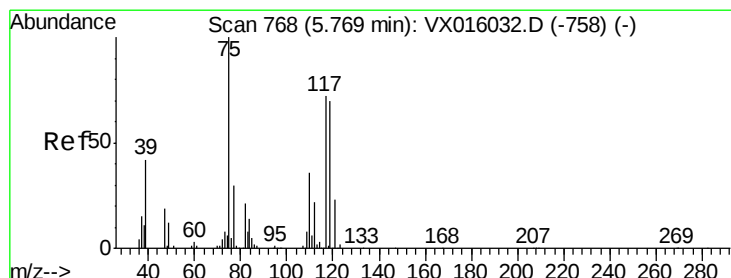
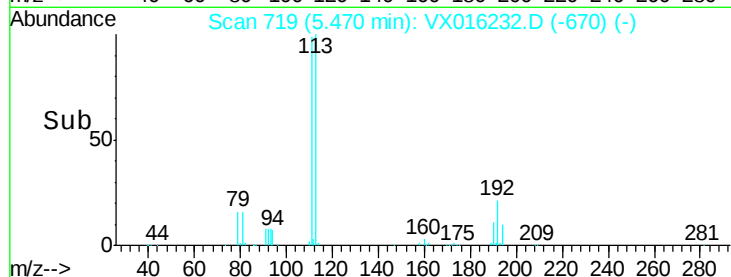
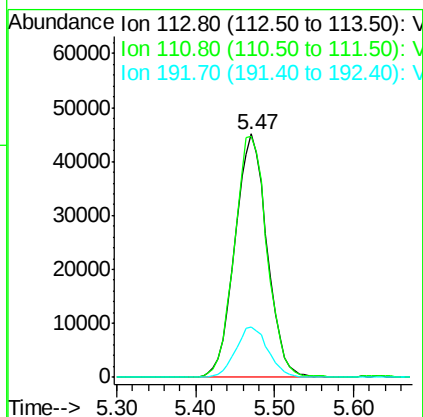
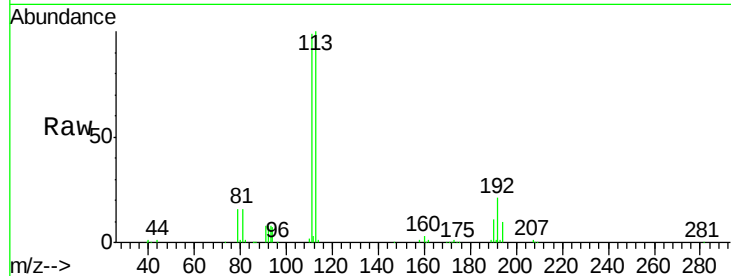




#35
 Dibromofluoromethane
 Concen: 47.03 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX016232.D
 Acq: 14 May 2020 15:38

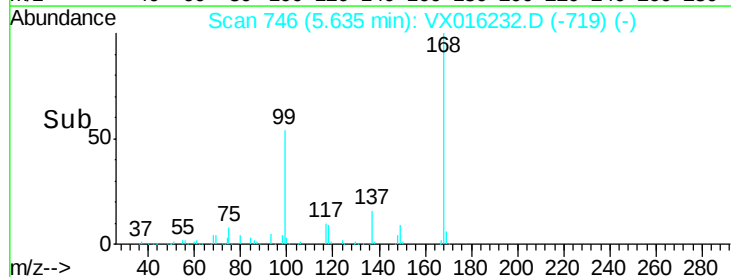
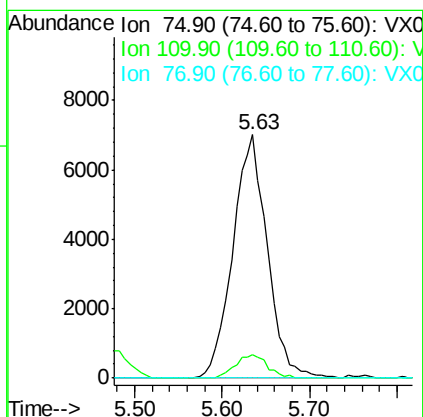
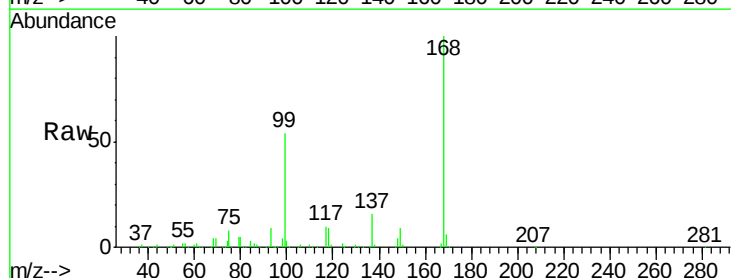
Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW100-200513

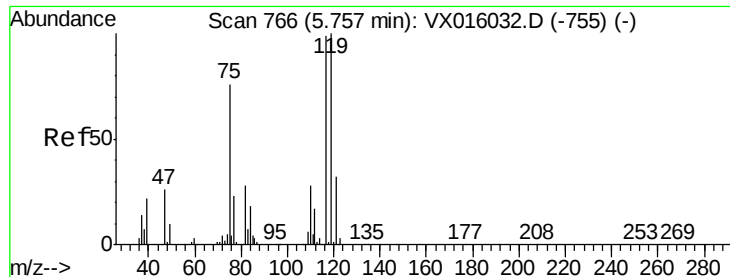
Tgt Ion:113 Resp: 127706
 Ion Ratio Lower Upper
 113 100
 111 100.7 81.6 122.4
 192 21.0 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 4.55 ug/l
 RT: 5.63 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX016232.D
 Acq: 14 May 2020 15:38

Tgt Ion: 75 Resp: 19192
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.1 54.1#
 77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 5.73 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016232.D

Acq: 14 May 2020 15:38

Instrument :

MSVOA_X

ClientSampleId :

SS052MW100-200513

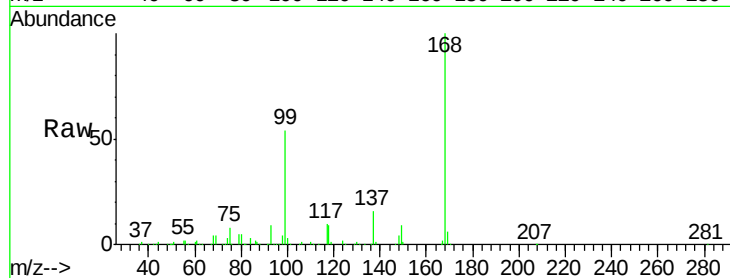
Tgt Ion:117 Resp: 24558

Ion Ratio Lower Upper

117 100

119 5.2 80.3 120.5#

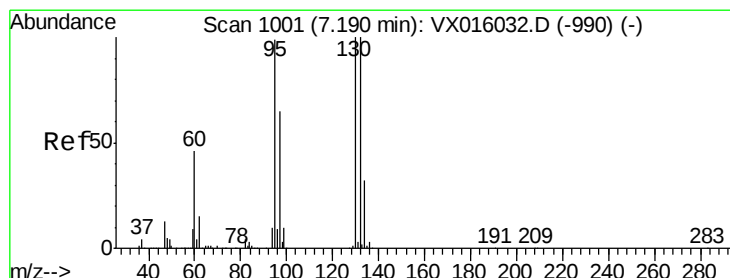
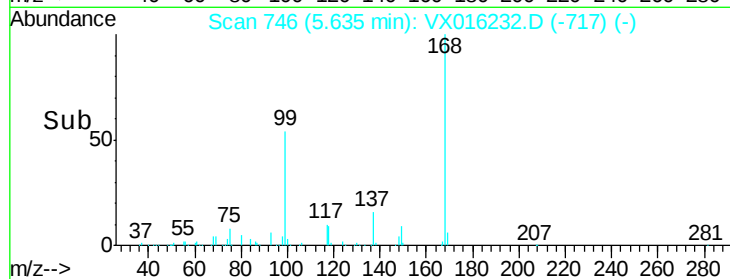
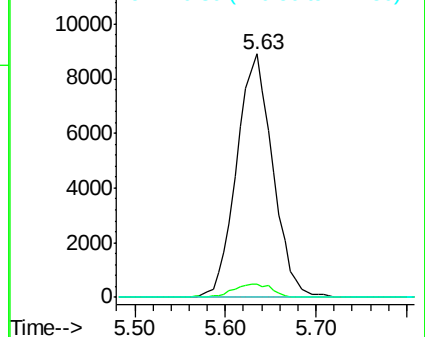
121 0.0 25.7 38.5#



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



#44

Trichloroethene

Concen: 0.39 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016232.D

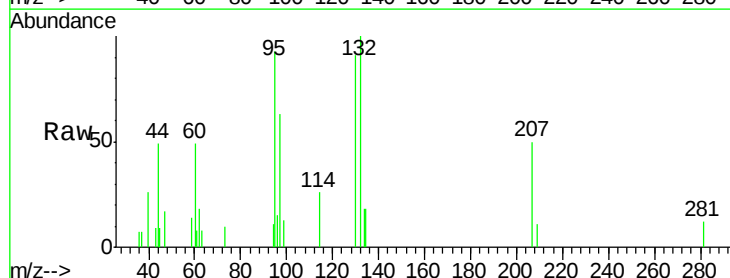
Acq: 14 May 2020 15:38

Tgt Ion:130 Resp: 1710

Ion Ratio Lower Upper

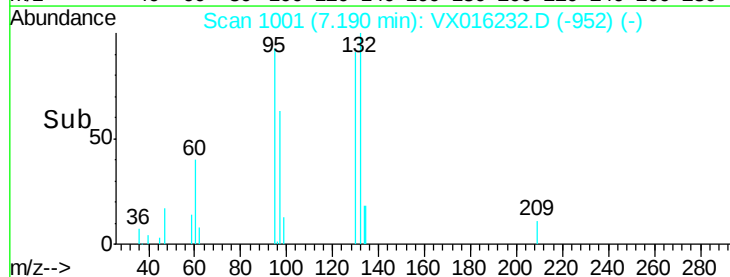
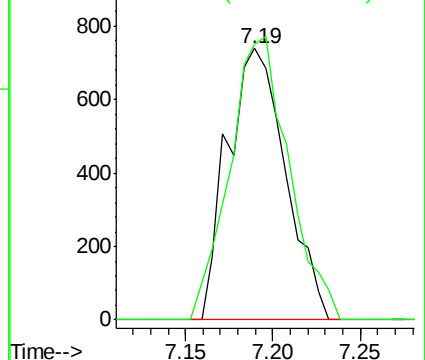
130 100

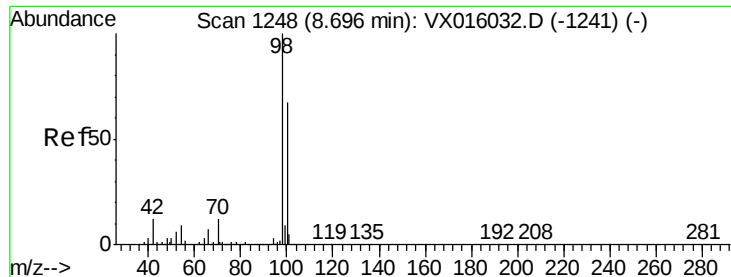
95 101.6 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 50.89 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016232.D

Acq: 14 May 2020 15:38

Instrument :

MSVOA_X

ClientSampleId :

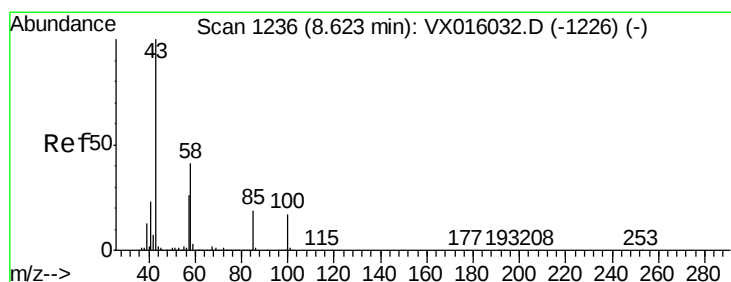
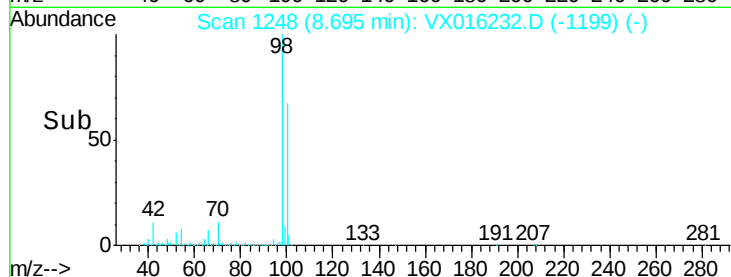
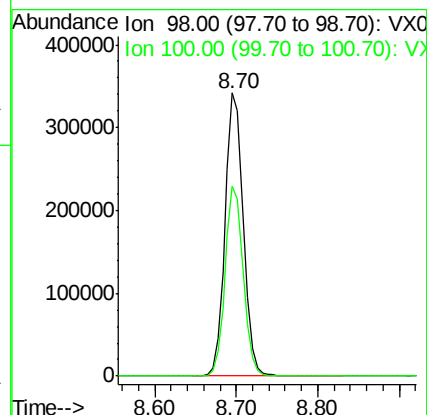
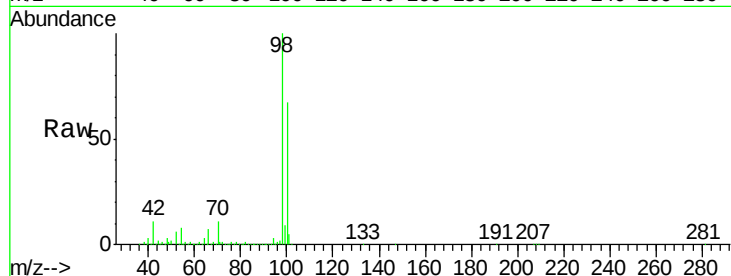
SS052MW100-200513

Tgt Ion: 98 Resp: 532503

Ion Ratio Lower Upper

98 100

100 66.6 53.7 80.5



#51

4-Methyl-2-Pentanone

Concen: 0.50 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.07 min

Lab File: VX016232.D

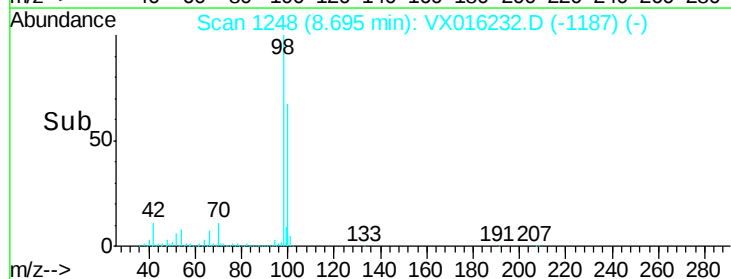
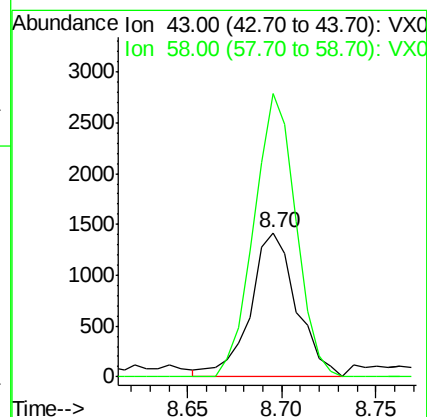
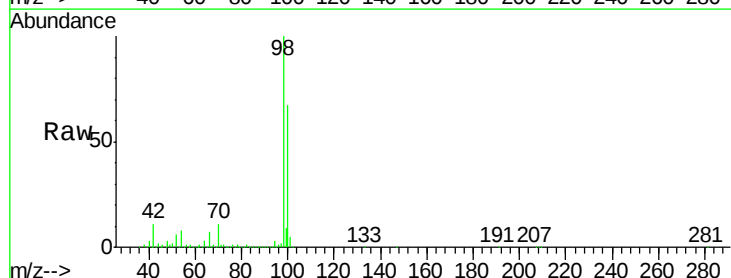
Acq: 14 May 2020 15:38

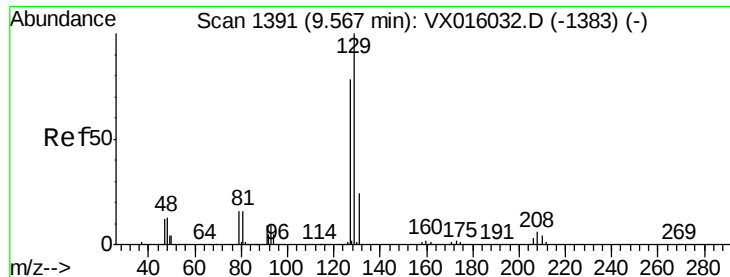
Tgt Ion: 43 Resp: 2410

Ion Ratio Lower Upper

43 100

58 178.0 33.0 49.4#





#60

Dibromochloromethane

Concen: 0.20 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.25 min

Lab File: VX016232.D

Acq: 14 May 2020 15:38

Instrument :

MSVOA_X

ClientSampleId :

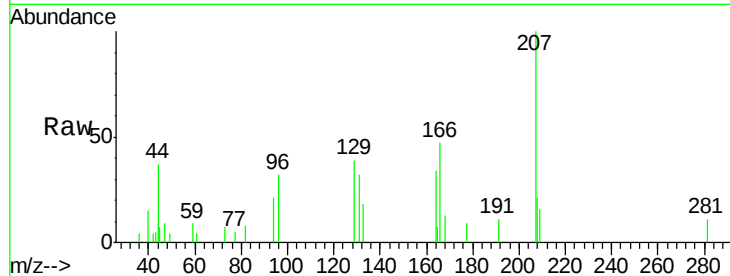
SS052MW100-200513

Tgt Ion: 129 Resp: 680

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.32

600

500

400

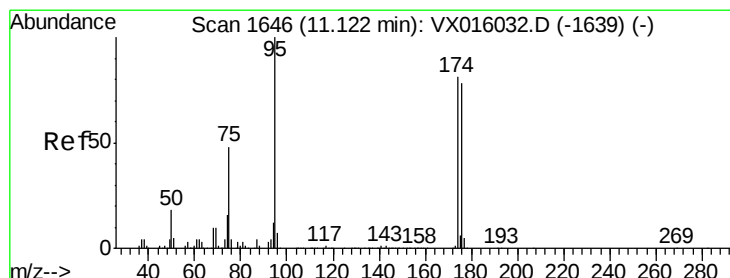
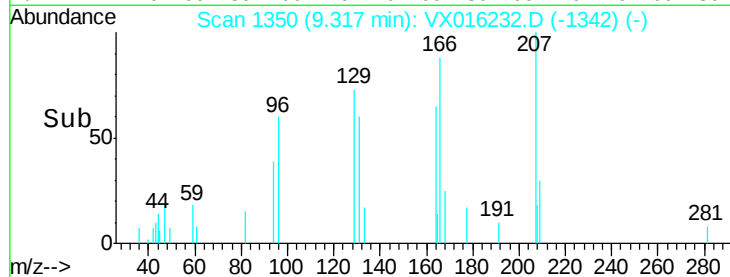
300

200

100

0

Time-->



#62

4-Bromofluorobenzene

Concen: 54.13 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016232.D

Acq: 14 May 2020 15:38

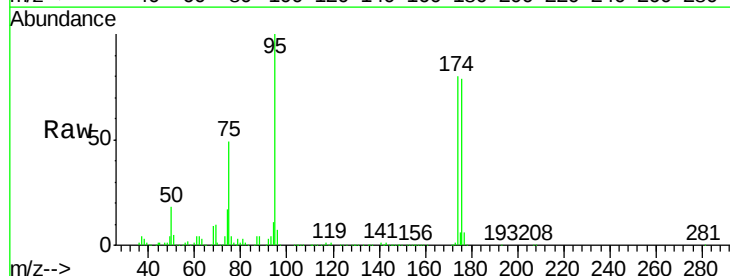
Tgt Ion: 95 Resp: 215447

Ion Ratio Lower Upper

95 100

174 80.4 0.0 159.4

176 78.7 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

11.12

200000

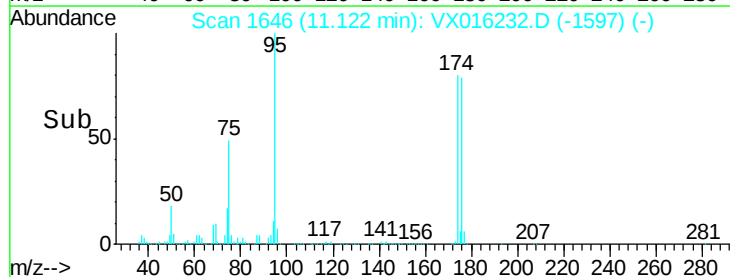
150000

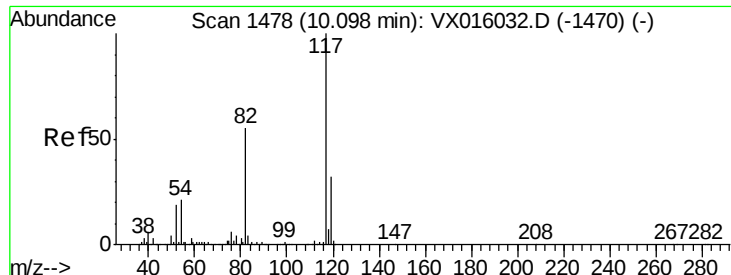
100000

50000

0

Time-->

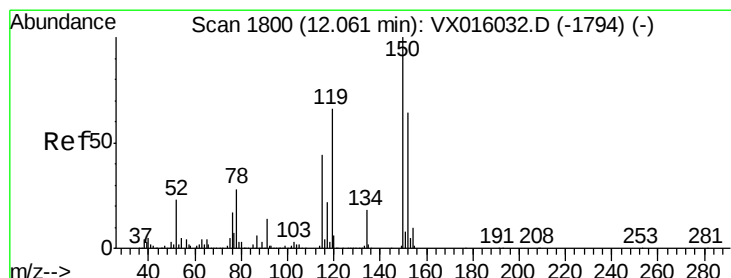
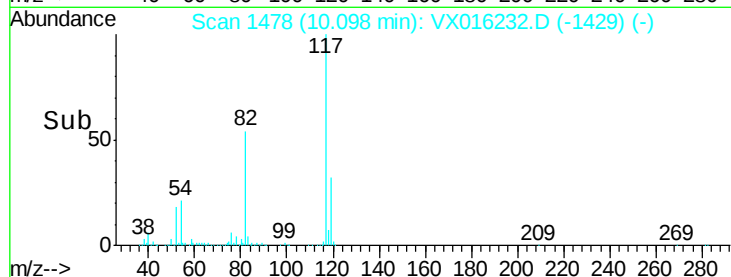
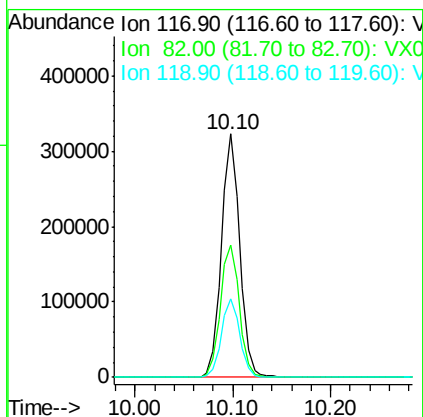
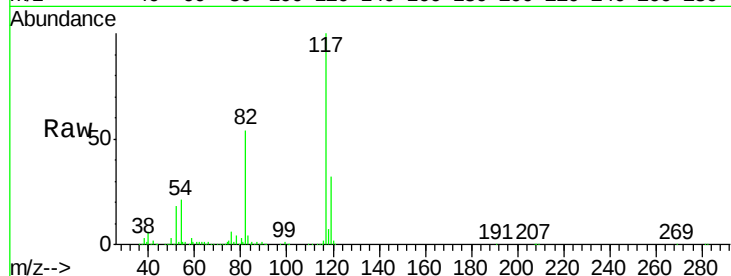




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016232.D
Acq: 14 May 2020 15:38

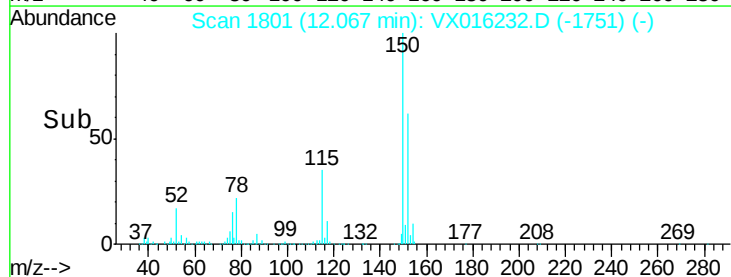
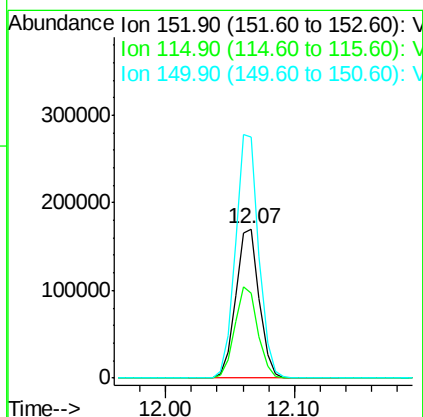
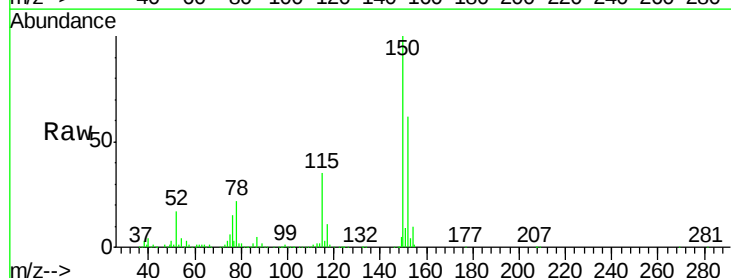
Instrument :
MSVOA_X
ClientSampleId :
SS052MW100-200513

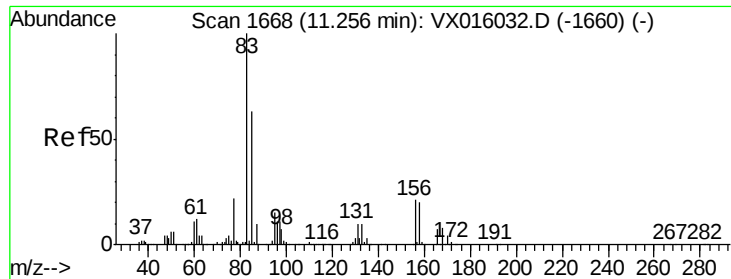
Tgt Ion:117 Resp: 420630
Ion Ratio Lower Upper
117 100
82 54.2 44.4 66.6
119 32.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.07 min Scan# 1801
Delta R.T. 0.01 min
Lab File: VX016232.D
Acq: 14 May 2020 15:38

Tgt Ion:152 Resp: 215842
Ion Ratio Lower Upper
152 100
115 60.2 41.3 124.1
150 161.8 0.0 352.2





#75

1,1,2,2-Tetrachloroethane

Concen: 2.10 ug/l

RT: 11.13 min Scan# 1647

Delta R.T. -0.13 min

Lab File: VX016232.D

Acq: 14 May 2020 15:38

Instrument :

MSVOA_X

ClientSampleId :

SS052MW100-200513

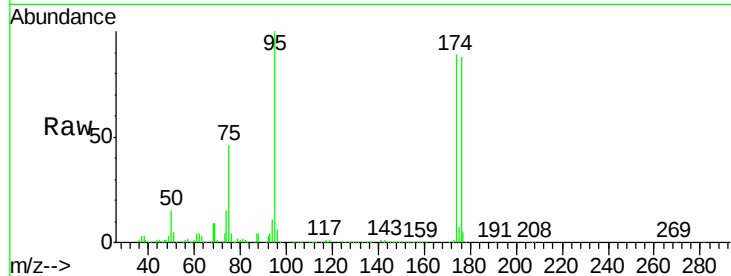
Tgt Ion: 83 Resp: 151

Ion Ratio Lower Upper

83 100

131 170.2 5.1 15.4#

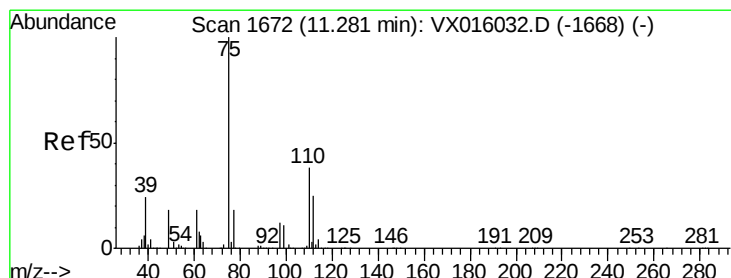
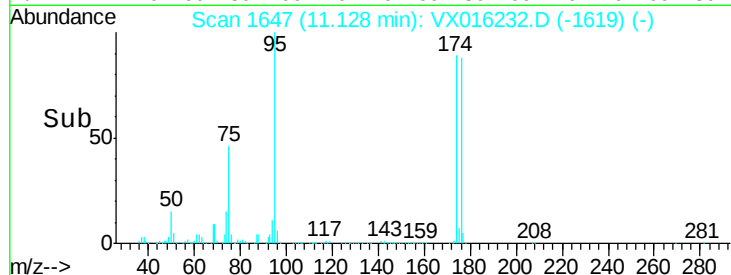
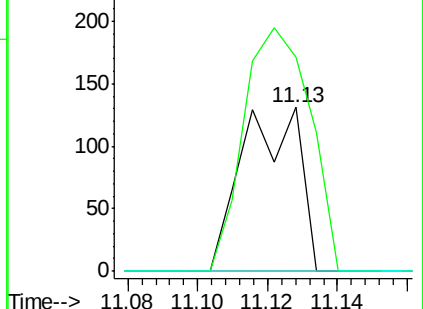
85 0.0 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 21.37 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016232.D

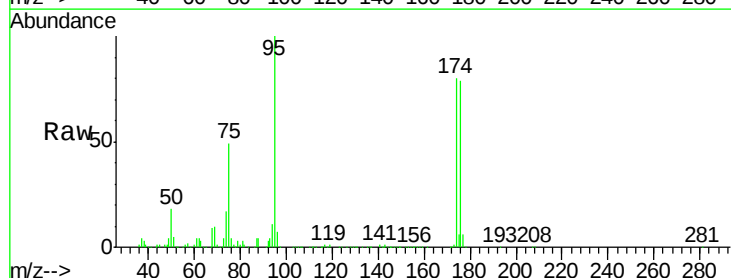
Acq: 14 May 2020 15:38

Tgt Ion: 75 Resp: 104674

Ion Ratio Lower Upper

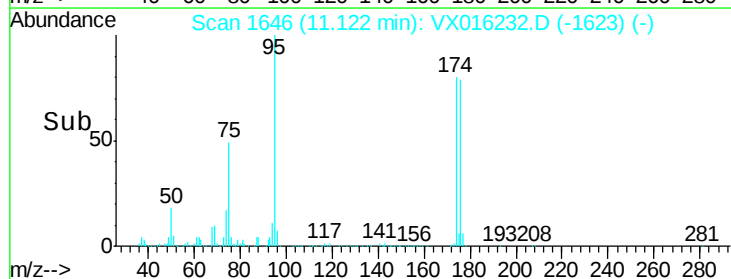
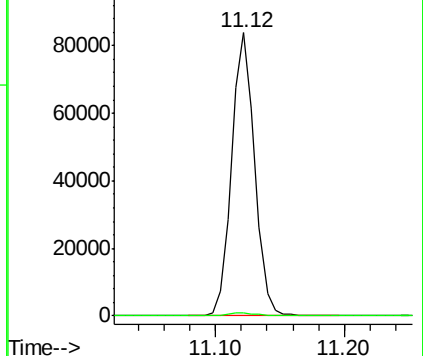
75 100

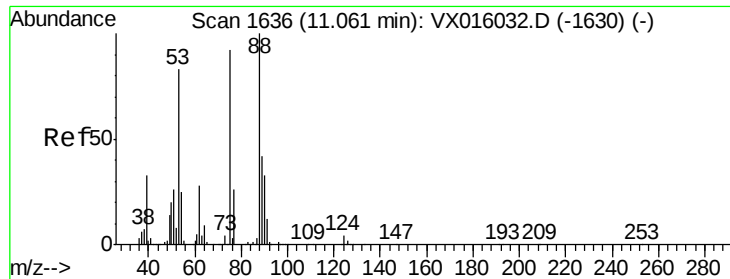
77 1.3 21.2 63.6#



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: 50.93 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016232.D

Acq: 14 May 2020 15:38

Instrument :

MSVOA_X

ClientSampleId :

SS052MW100-200513

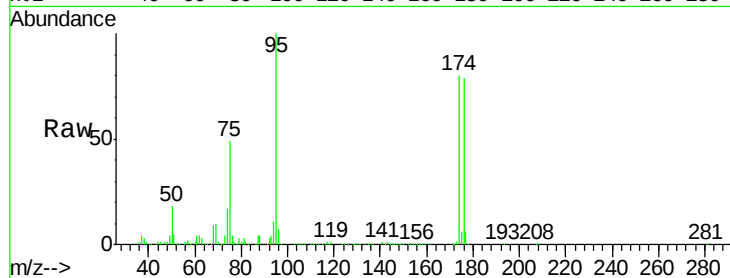
Tgt Ion: 75 Resp: 104674

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

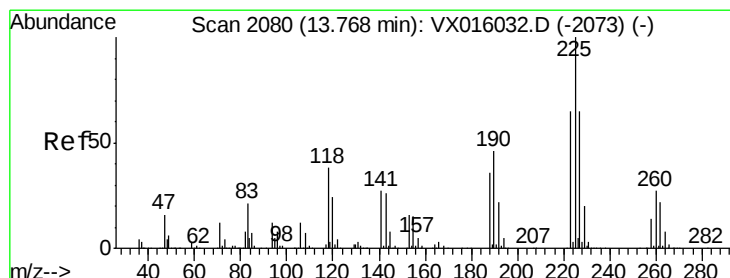
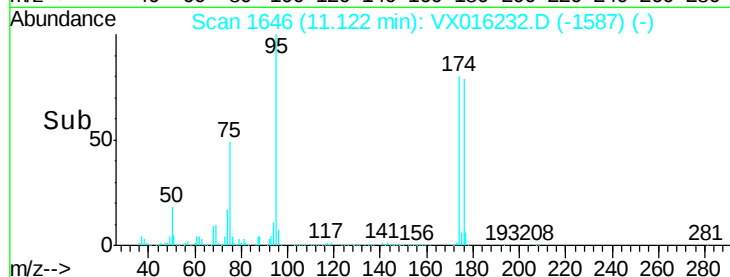
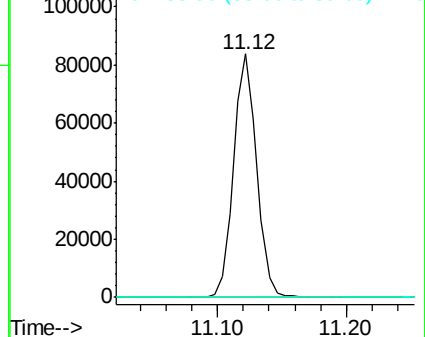
89 0.0 36.7 55.1#



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: 0.53 ug/l

RT: 13.77 min Scan# 2081

Delta R.T. 0.01 min

Lab File: VX016232.D

Acq: 14 May 2020 15:38

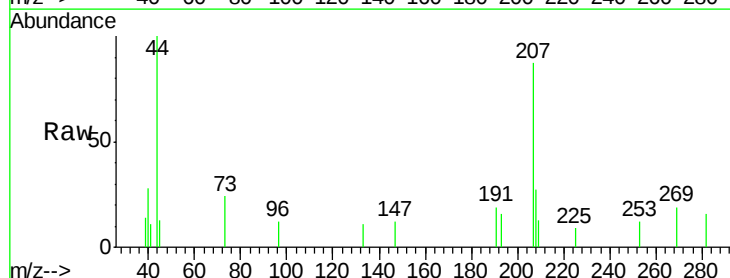
Tgt Ion: 225 Resp: 20

Ion Ratio Lower Upper

225 100

223 0.0 32.3 96.9#

227 0.0 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

