

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051320\
 Data File : VX016213.D
 Acq On : 14 May 2020 05:03
 Operator : JC/SP
 Sample : L2626-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW736-200512

Quant Time: May 14 06:40:25 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	269495	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	447107	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	443782	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	231083	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	163654	46.15	ug/l	0.00
Spiked Amount			Recovery	=	92.30%	
35) Dibromofluoromethane	5.47	113	133751	47.22	ug/l	0.00
Spiked Amount			Recovery	=	94.44%	
50) Toluene-d8	8.70	98	557486	51.08	ug/l	0.00
Spiked Amount			Recovery	=	102.16%	
62) 4-Bromofluorobenzene	11.12	95	225411	54.30	ug/l	0.00
Spiked Amount			Recovery	=	108.60%	

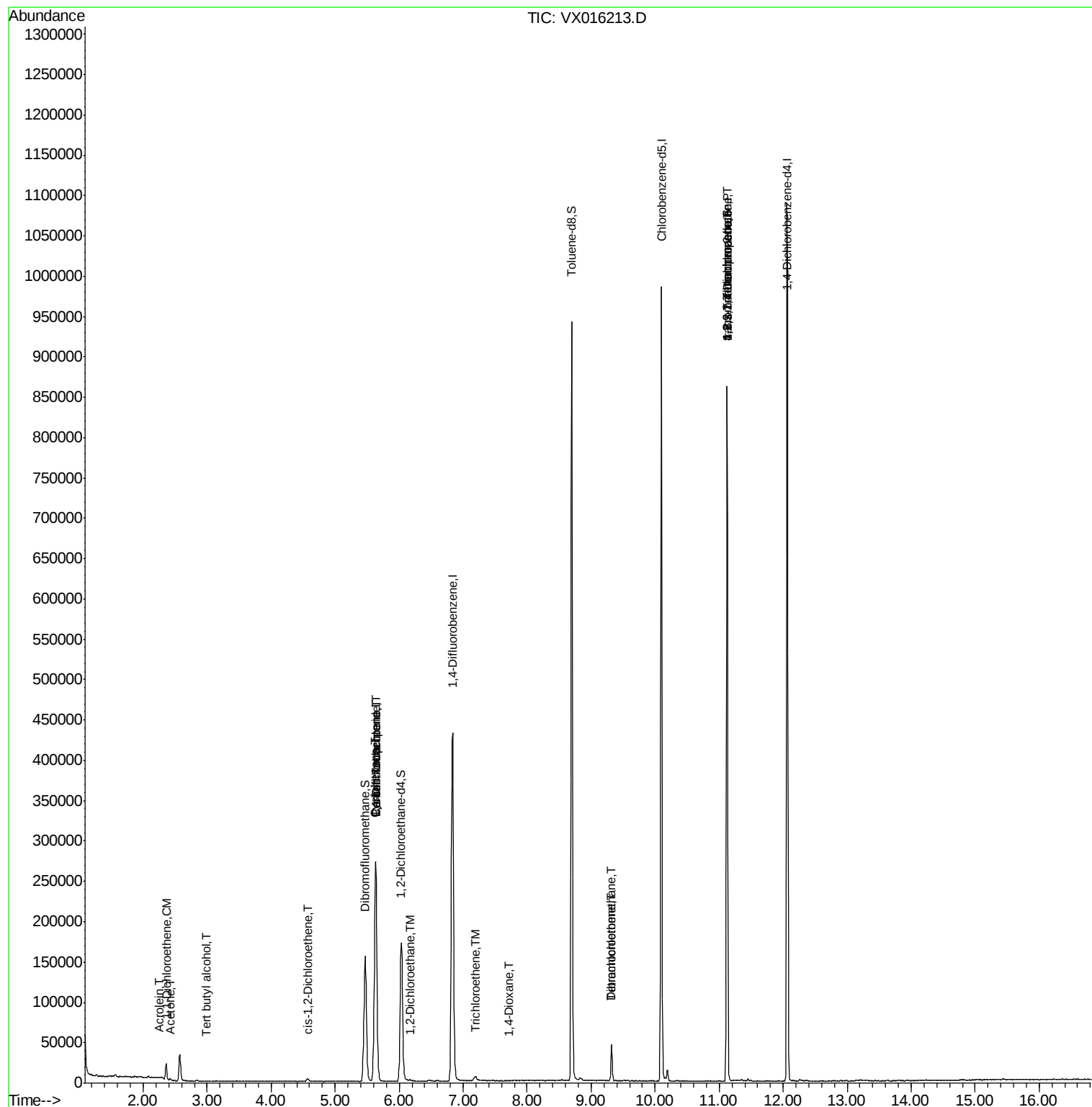
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.00	59	198	0.221	ug/l #	72
12) 1,1-Dichloroethene	2.36	96	7064	2.522	ug/l	93
13) Acrolein	2.26	56	252	0.449	ug/l	93
16) Acetone	2.42	43	2425	1.533	ug/l	90
17) Carbon Disulfide	2.56	76	850	Below Cal	#	86
27) cis-1,2-Dichloroethene	4.57	96	2156	0.632	ug/l	76
31) Cyclohexane	5.62	56	4913	0.997	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	20021	4.549	ug/l #	49
38) Carbon Tetrachloride	5.64	117	25518	5.704	ug/l #	14
42) 1,2-Dichloroethane	6.17	62	941	0.203	ug/l	80
44) Trichloroethene	7.19	130	1600	0.350	ug/l	84
49) 1,4-Dioxane	7.71	88	65	0.703	ug/l #	59
60) Dibromochloromethane	9.32	129	8374	2.408	ug/l #	11
64) Tetrachloroethene	9.32	164	8734	1.603	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.13	83	146	2.096	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	110059	20.988	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	110059	50.017	ug/l #	13

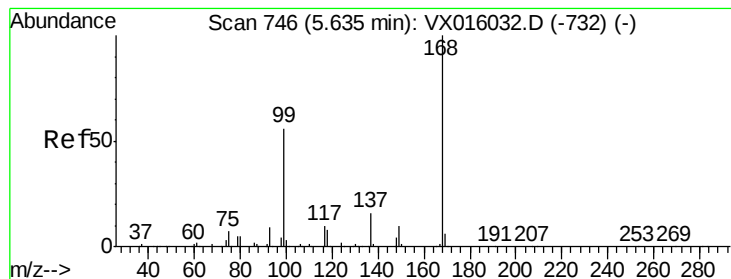
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed May 06 06:43:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016213.D

Acq: 14 May 2020 05:03

Instrument :

MSVOA_X

ClientSampleId :

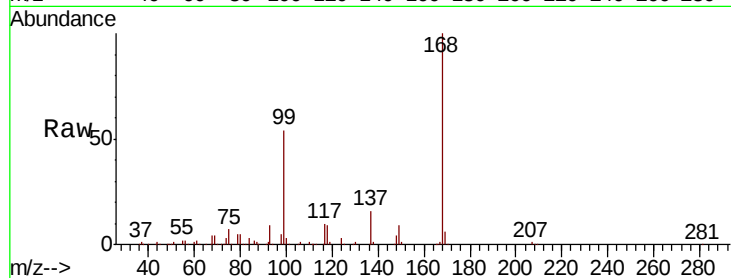
SS052MW736-200512

Tot Ion:168 Resp: 269495

Ion Ratio Lower Upper

168 100

99 54.2 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

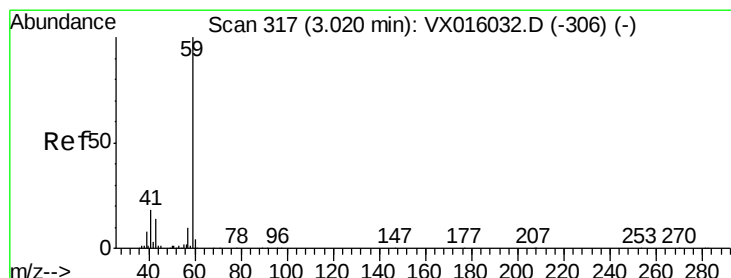
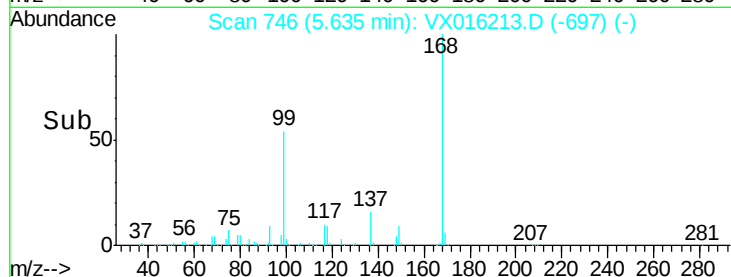
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.221 ug/l

RT: 3.00 min Scan# 313

Delta R.T. -0.02 min

Lab File: VX016213.D

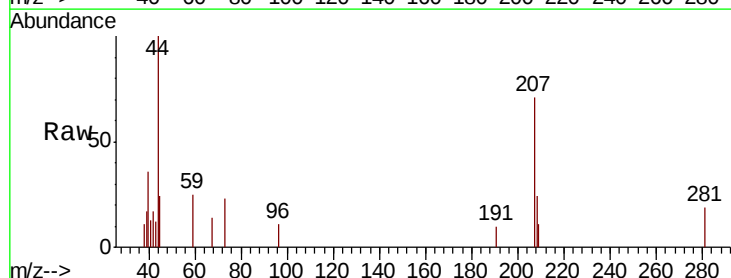
Acq: 14 May 2020 05:03

Tgt Ion: 59 Resp: 198

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

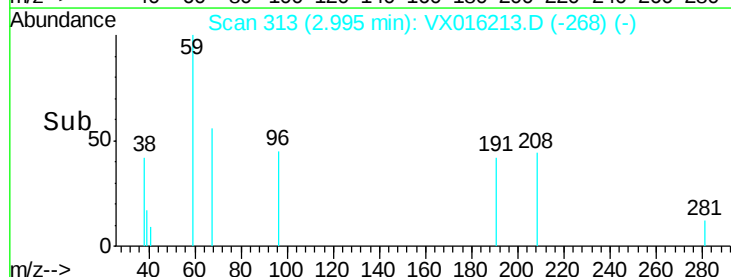
150

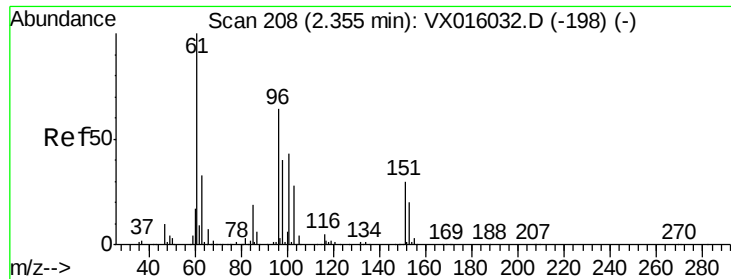
100

50

0

Time-->

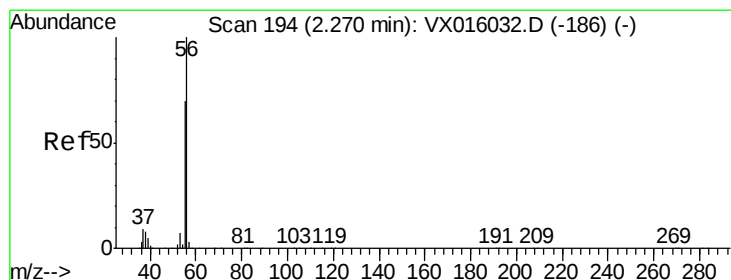
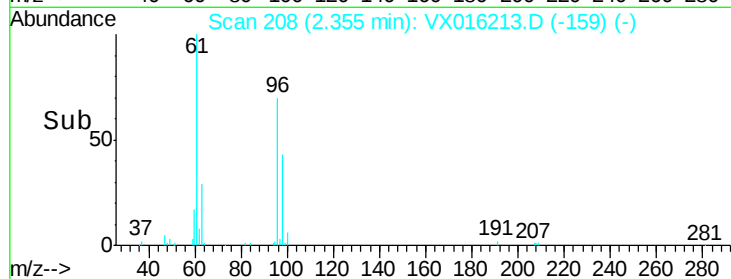
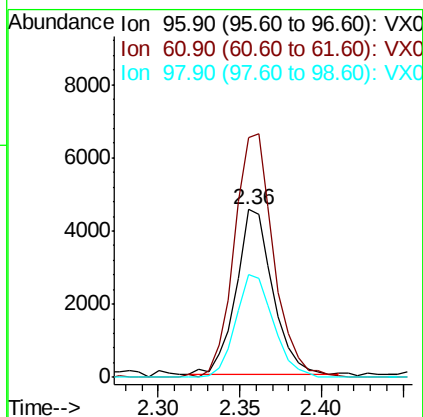
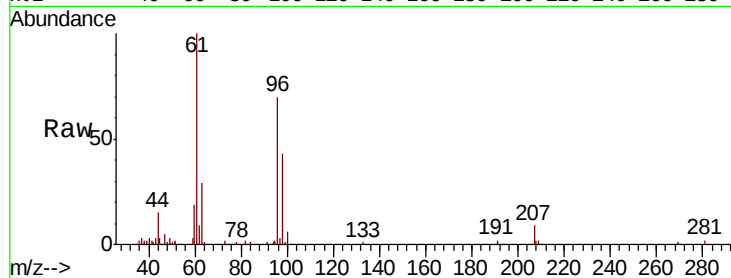




#12
 1,1-Dichloroethene
 Concen: 2.522 ug/l
 RT: 2.36 min Scan# 208
 Delta R.T. -0.00 min
 Lab File: VX016213.D
 Acq: 14 May 2020 05:03

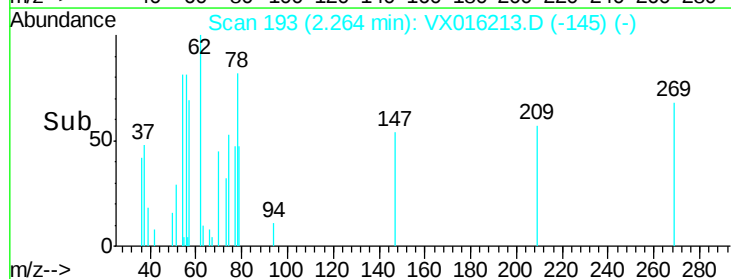
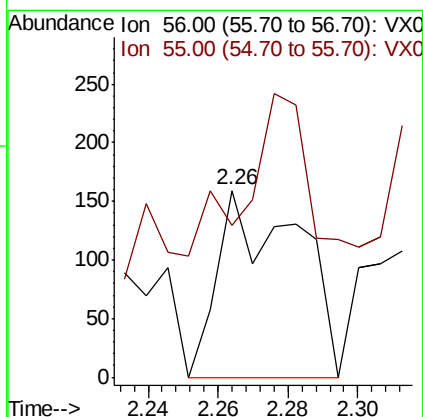
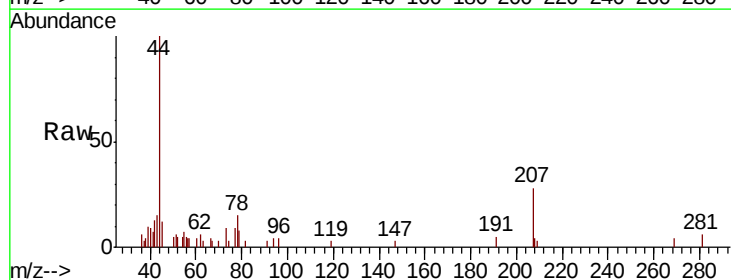
Instrument :
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 SS052MW736-200512

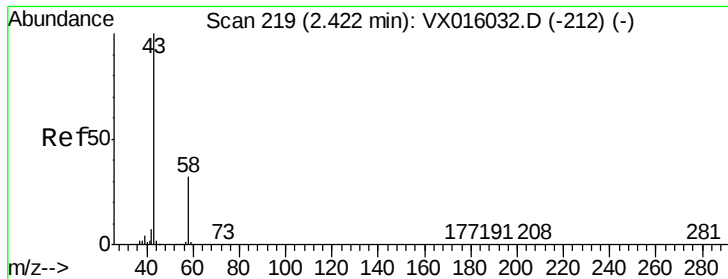
Tot Ion: 96 Resp: 7064
 Ion Ratio Lower Upper
 96 100
 61 144.2 124.8 187.2
 98 62.7 49.7 74.5



#13
 Acrolein
 Concen: 0.449 ug/l
 RT: 2.26 min Scan# 193
 Delta R.T. -0.01 min
 Lab File: VX016213.D
 Acq: 14 May 2020 05:03

Tgt Ion: 56 Resp: 252
 Ion Ratio Lower Upper
 56 100
 55 76.6 56.5 84.7





#16

Acetone

Concen: 1.533 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016213.D

Acq: 14 May 2020 05:03

Instrument :

MSVOA_X

ClientSampleId :

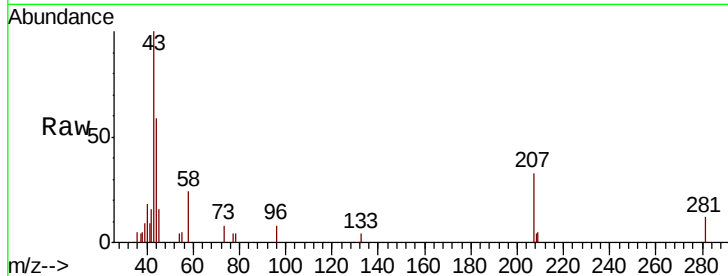
SS052MW736-200512

Tot Ion: 43 Resp: 2425

Ion Ratio Lower Upper

43 100

58 26.3 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

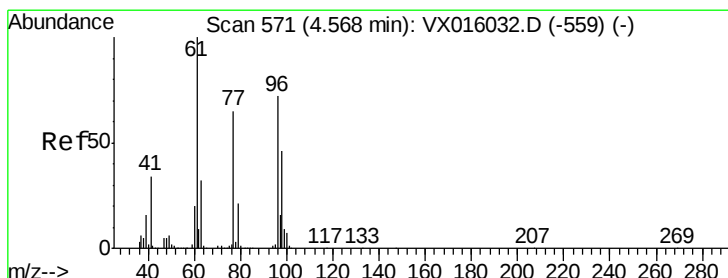
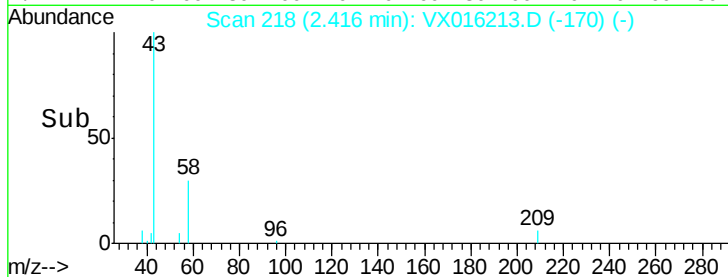
1500

1000

500

0

Time--> 2.35 2.40 2.45 2.50



#27

cis-1,2-Dichloroethene

Concen: 0.632 ug/l

RT: 4.57 min Scan# 571

Delta R.T. -0.00 min

Lab File: VX016213.D

Acq: 14 May 2020 05:03

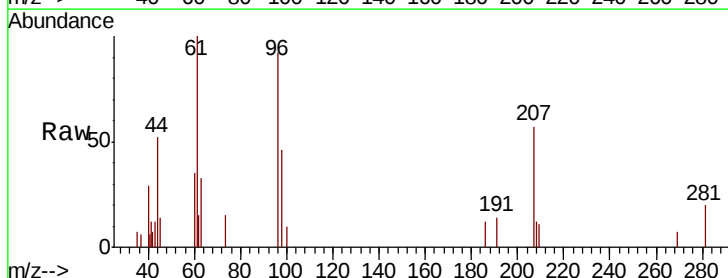
Tgt Ion: 96 Resp: 2156

Ion Ratio Lower Upper

96 100

61 108.5 0.0 296.2

98 58.1 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

4.57

1200

1000

800

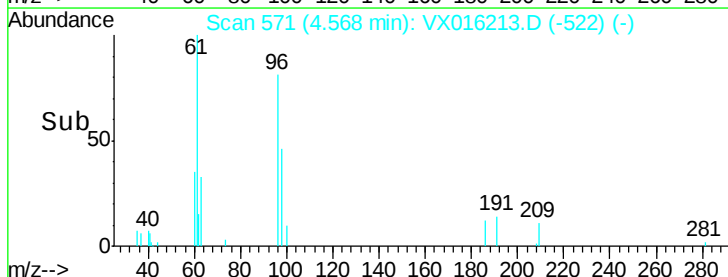
600

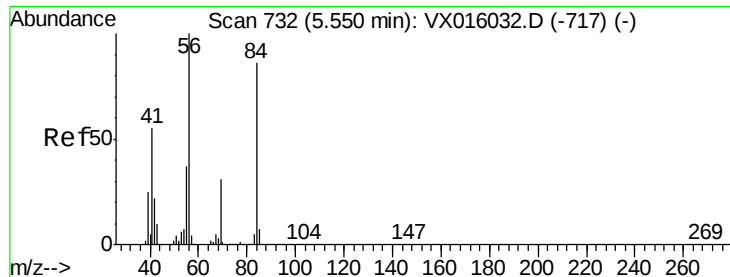
400

200

0

Time--> 4.50 4.55 4.60 4.65

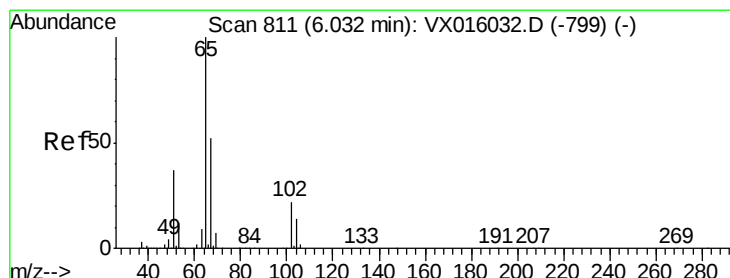
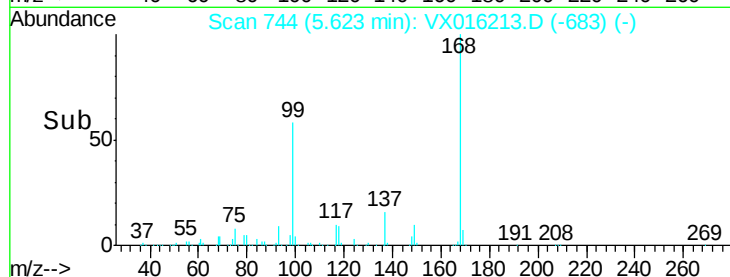
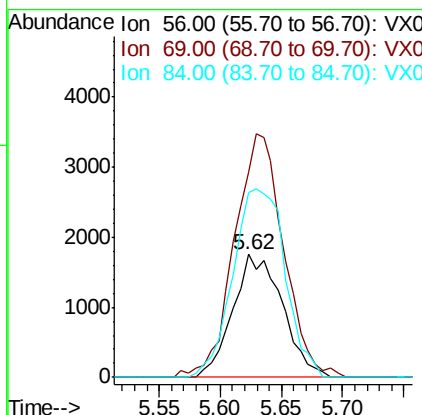
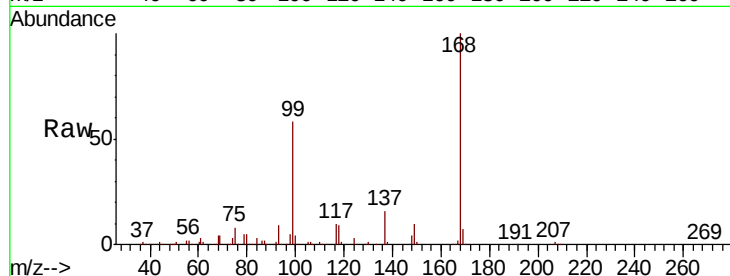




#31
Cyclohexane
Concen: 0.997 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX016213.D
Acq: 14 May 2020 05:03

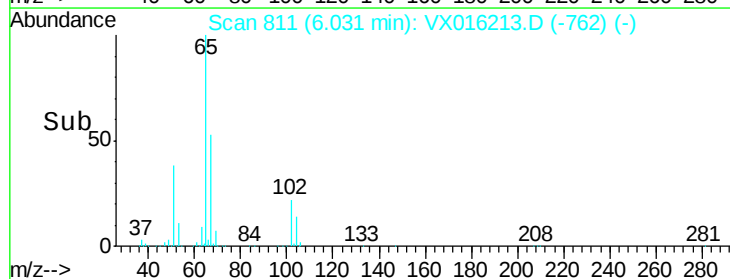
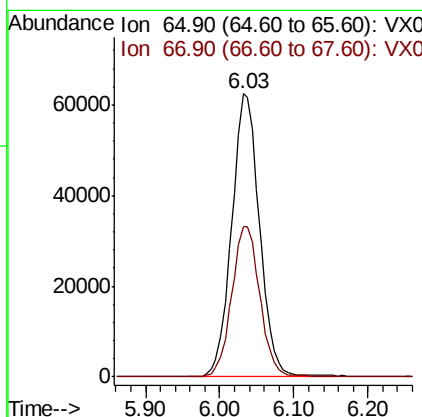
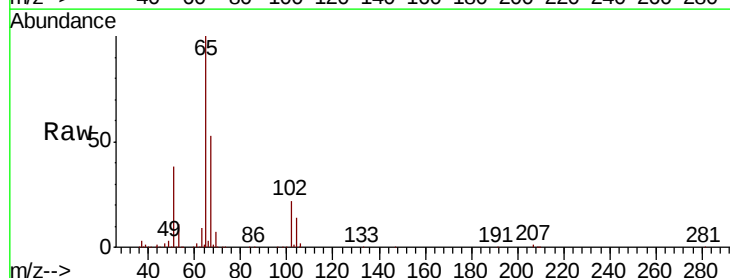
Instrument :
MSVOA_X
ClientSampleId :
SS052MW736-200512

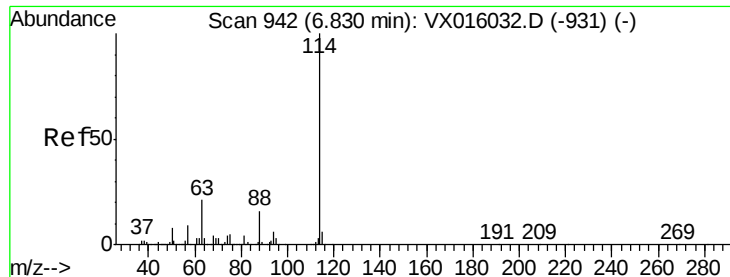
Tot Ion: 56 Resp: 4913
Ion Ratio Lower Upper
56 100
69 163.6 25.0 37.6#
84 150.0 69.0 103.6#



#33
1,2-Dichloroethane-d4
Concen: 46.148 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX016213.D
Acq: 14 May 2020 05:03

Tgt Ion: 65 Resp: 163654
Ion Ratio Lower Upper
65 100
67 53.8 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: VX016213.D

Acq: 14 May 2020 05:03

Instrument :

MSVOA_X

ClientSampleId :

SS052MW736-200512

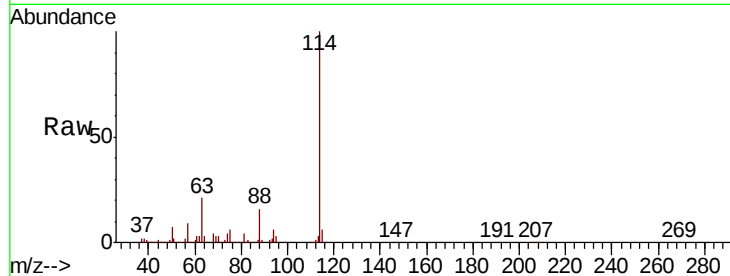
Tot Ion:114 Resp: 447107

Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.8

88 16.1 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

250000

200000

150000

100000

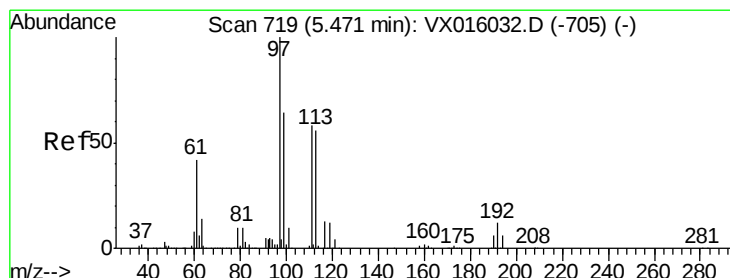
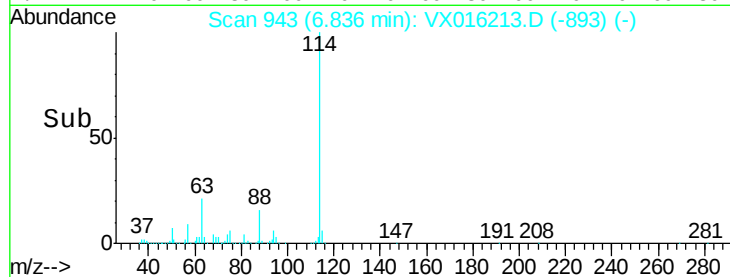
50000

0

6.84

6.70 6.80 6.90 7.00

Time-->



#35

Dibromofluoromethane

Concen: 47.218 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016213.D

Acq: 14 May 2020 05:03

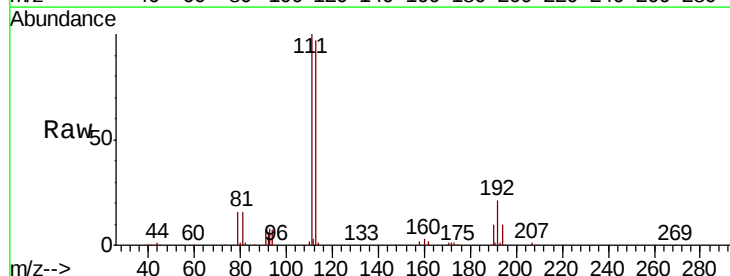
Tgt Ion:113 Resp: 133751

Ion Ratio Lower Upper

113 100

111 102.9 81.6 122.4

192 21.4 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

60000

50000

40000

30000

20000

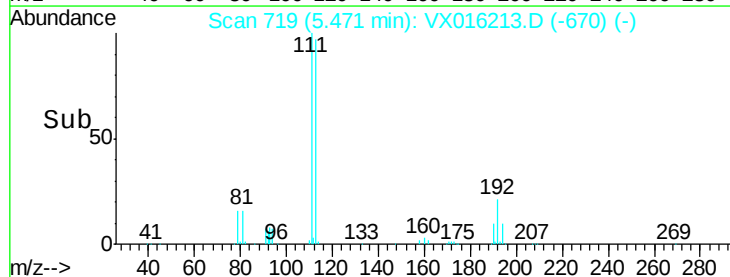
10000

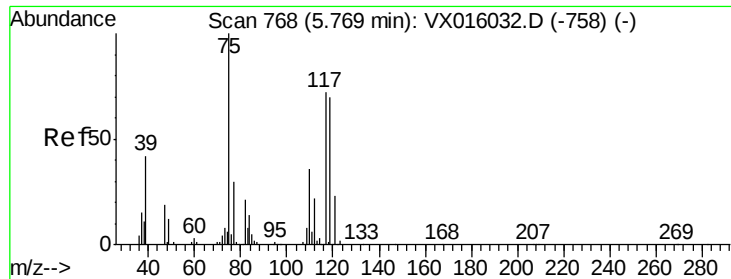
0

5.47

5.30 5.40 5.50 5.60

Time-->





#36

1,1-Dichloropropene

Concen: 4.549 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016213.D

Acq: 14 May 2020 05:03

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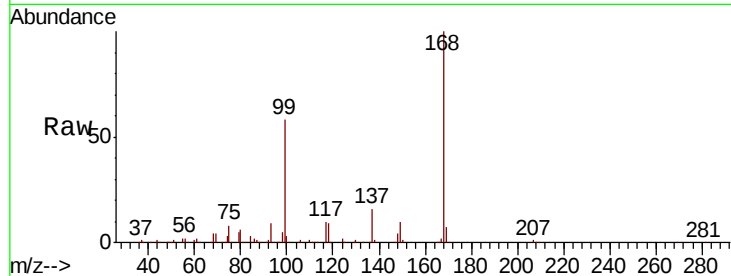
Tot Ion: 75 Resp: 20021

Ion Ratio Lower Upper

75 100

110 8.8 18.1 54.1#

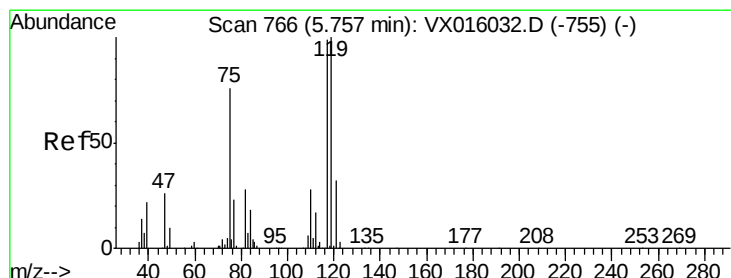
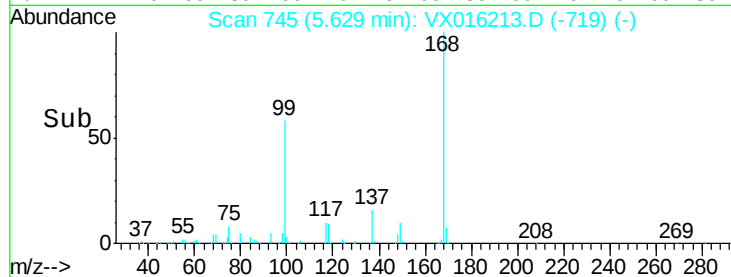
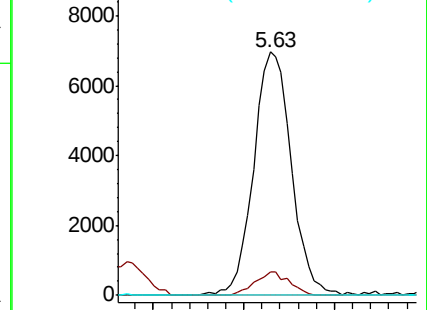
77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 5.704 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016213.D

Acq: 14 May 2020 05:03

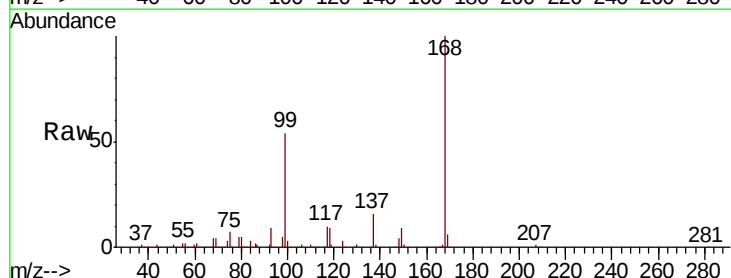
Tgt Ion: 117 Resp: 25518

Ion Ratio Lower Upper

117 100

119 5.7 80.3 120.5#

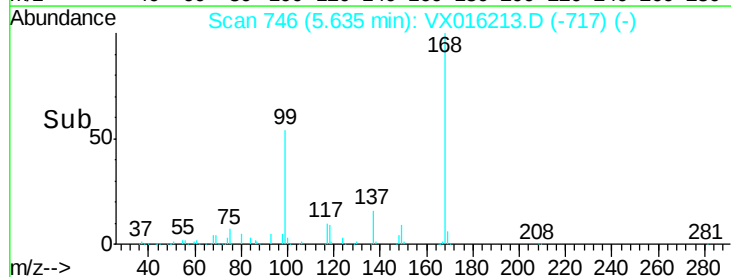
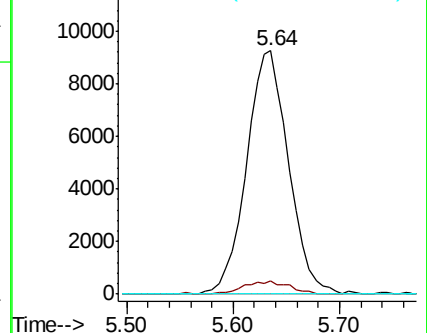
121 0.0 25.7 38.5#

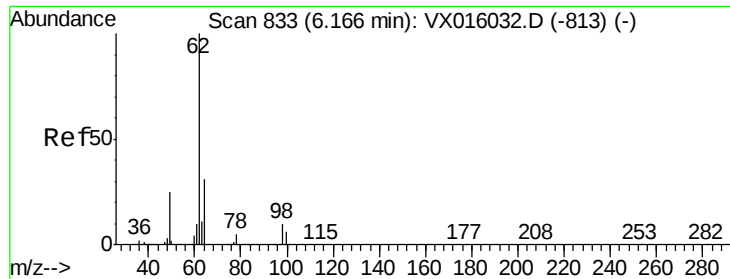


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#42

1,2-Dichloroethane

Concen: 0.203 ug/l

RT: 6.17 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX016213.D

Acq: 14 May 2020 05:03

Instrument :

MSVOA_X

ClientSampleId :

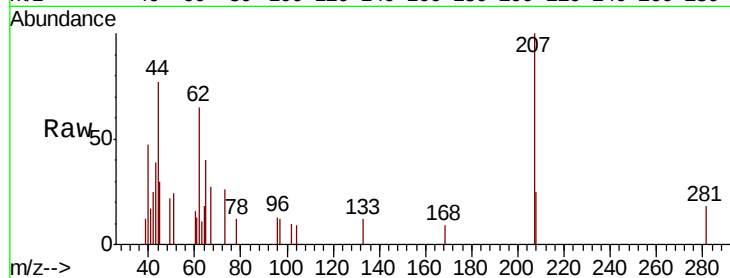
SS052MW736-200512

Tot Ion: 62 Resp: 941

Ion Ratio Lower Upper

62 100

98 2.4 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

6.17

400

300

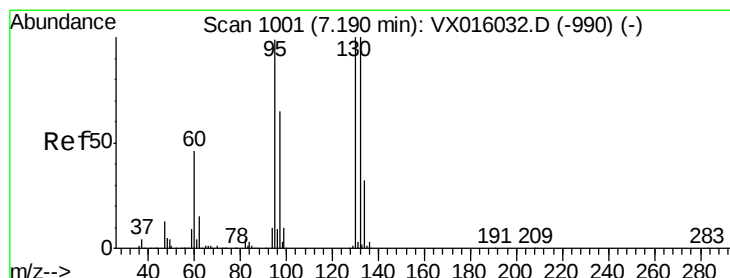
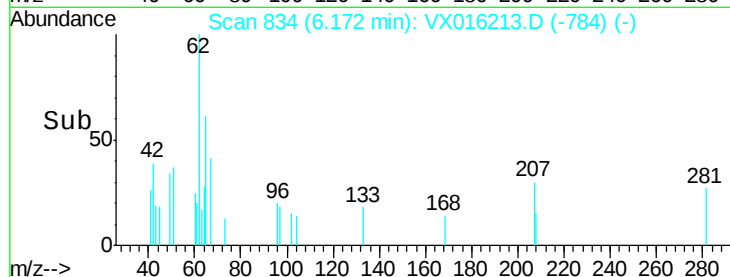
200

100

0

6.10 6.15 6.20 6.25

Time-->



#44

Trichloroethene

Concen: 0.350 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016213.D

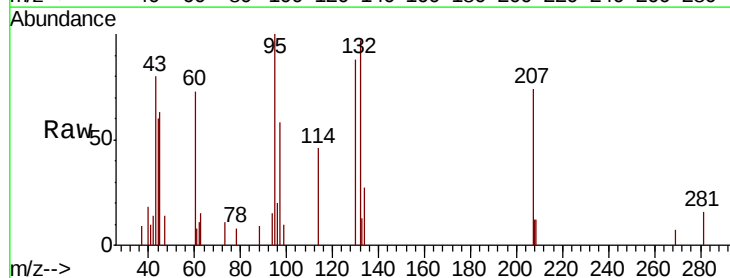
Acq: 14 May 2020 05:03

Tgt Ion: 130 Resp: 1600

Ion Ratio Lower Upper

130 100

95 114.1 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.19

800

600

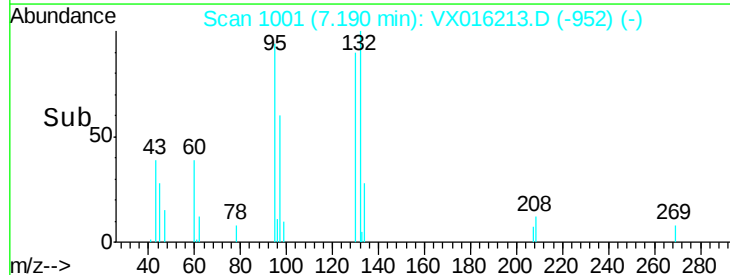
400

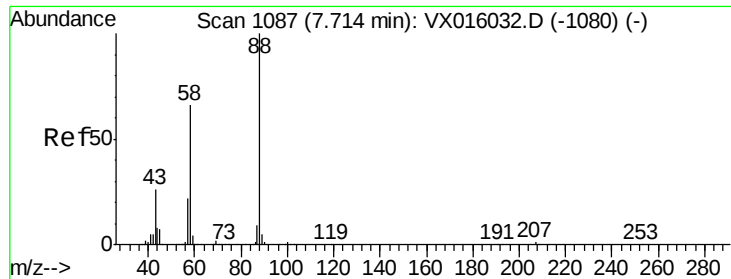
200

0

7.15 7.20 7.25

Time-->

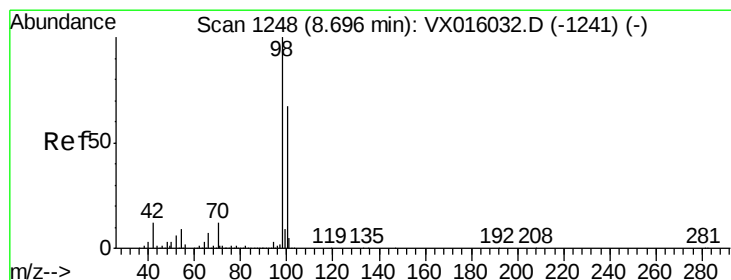
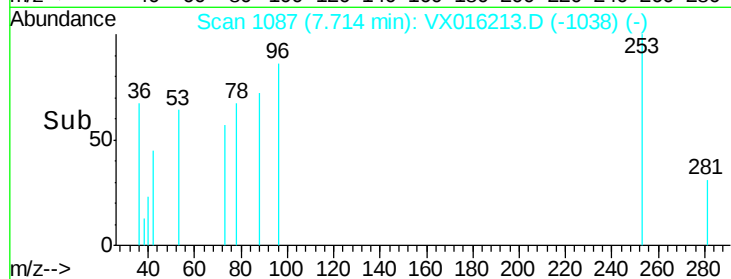
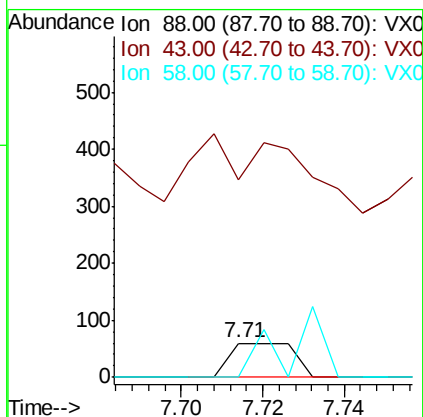
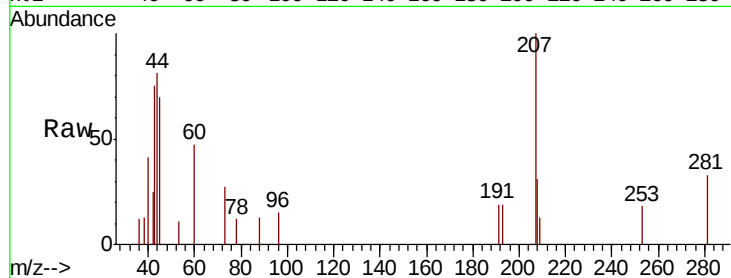




#49
 1,4-Dioxane
 Concen: 0.703 ug/l
 RT: 7.71 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX016213.D
 Acq: 14 May 2020 05:03

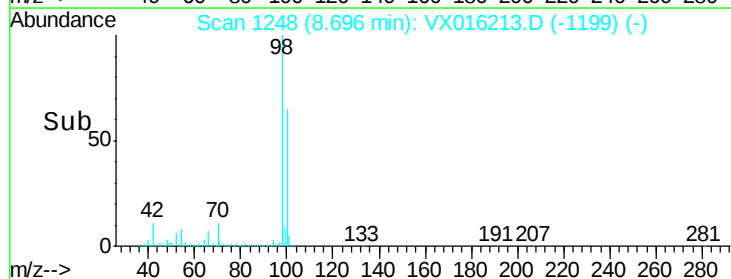
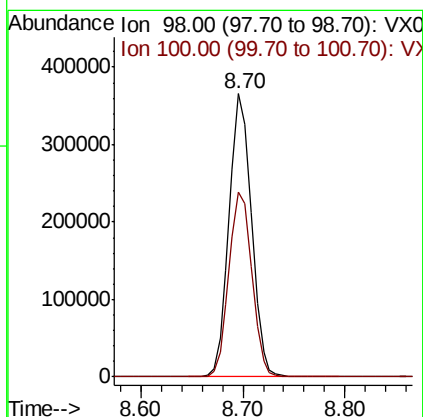
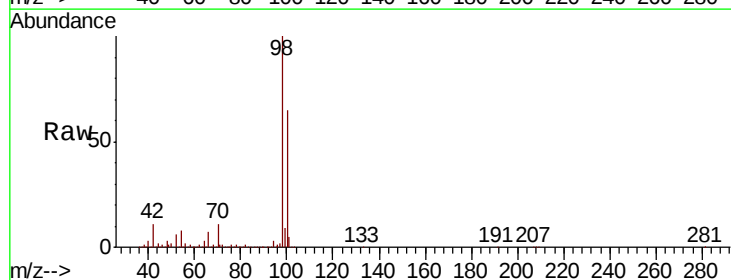
Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW736-200512

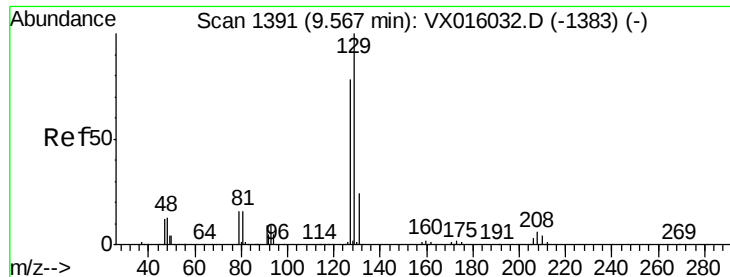
Tot Ion: 88 Resp: 65
 Ion Ratio Lower Upper
 88 100
 43 69.2 25.3 37.9#
 58 46.2 55.9 83.9#



#50
 Toluene-d8
 Concen: 51.079 ug/l
 RT: 8.70 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VX016213.D
 Acq: 14 May 2020 05:03

Tgt Ion: 98 Resp: 557486
 Ion Ratio Lower Upper
 98 100
 100 66.9 53.7 80.5





#60

Dibromochloromethane

Concen: 2.408 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.25 min

Lab File: VX016213.D

Acq: 14 May 2020 05:03

Instrument :

MSVOA_X

ClientSampleId :

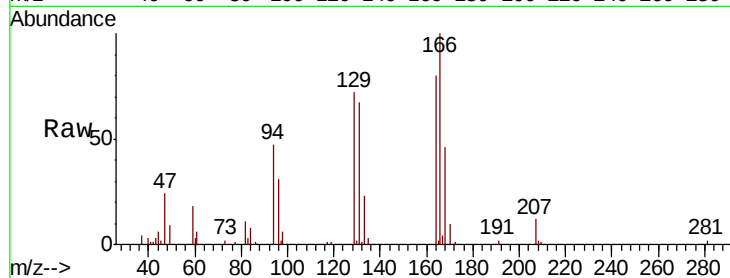
SS052MW736-200512

Tot Ion:129 Resp: 8374

Ion Ratio Lower Upper

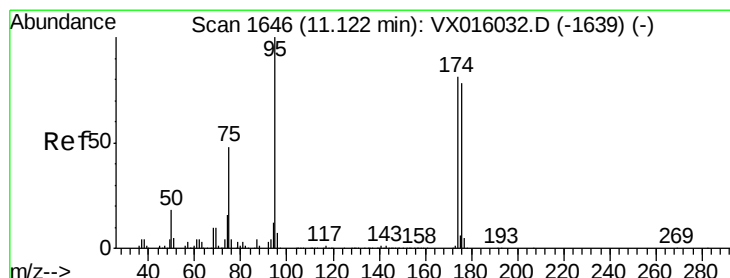
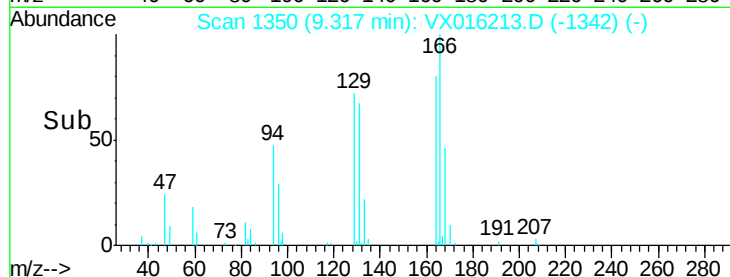
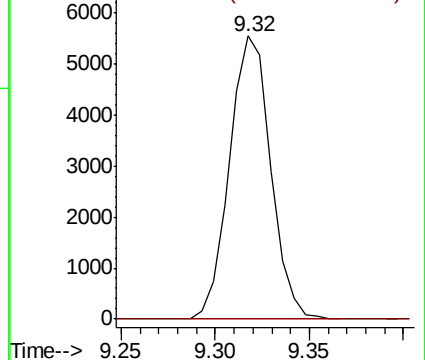
129 100

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



#62

4-Bromofluorobenzene

Concen: 54.299 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016213.D

Acq: 14 May 2020 05:03

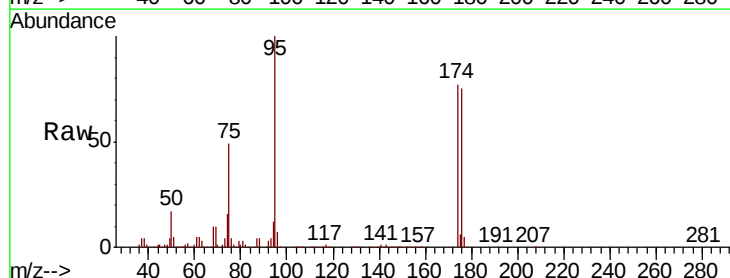
Tgt Ion: 95 Resp: 225411

Ion Ratio Lower Upper

95 100

174 80.5 0.0 159.4

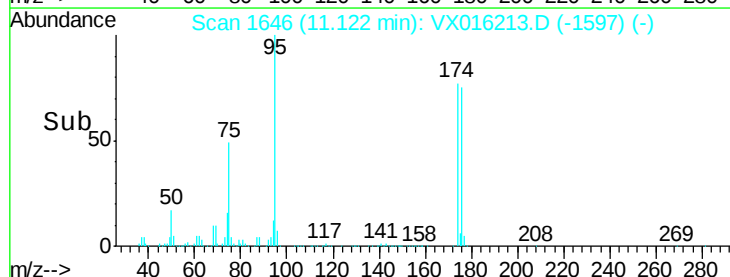
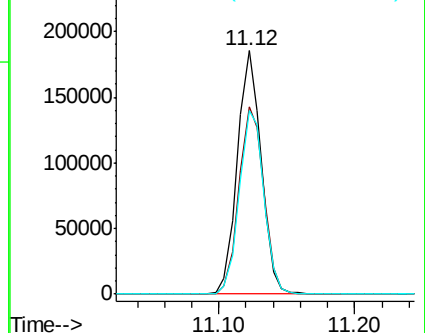
176 77.7 0.0 157.6

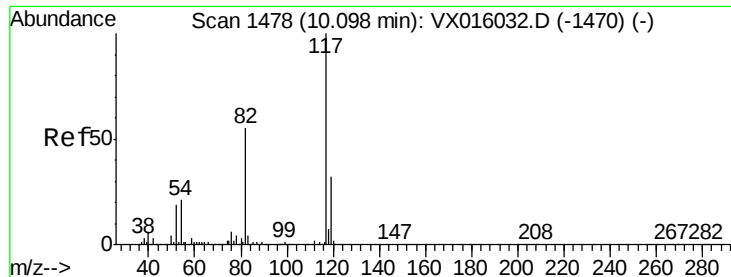


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

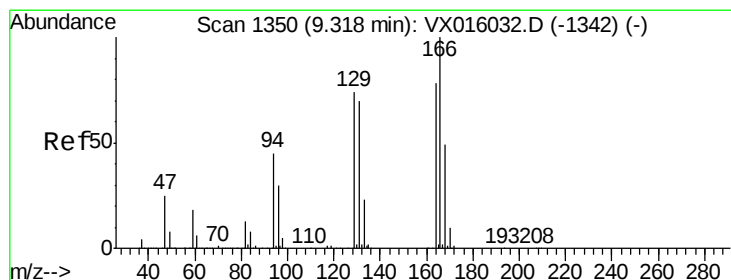
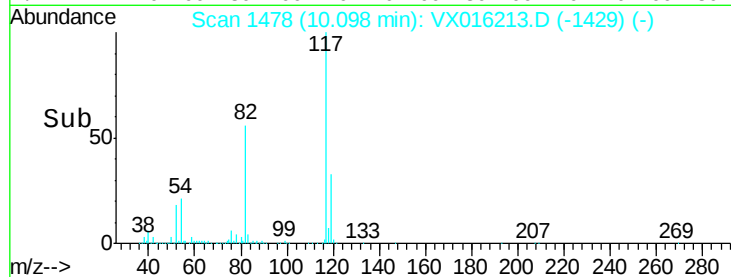
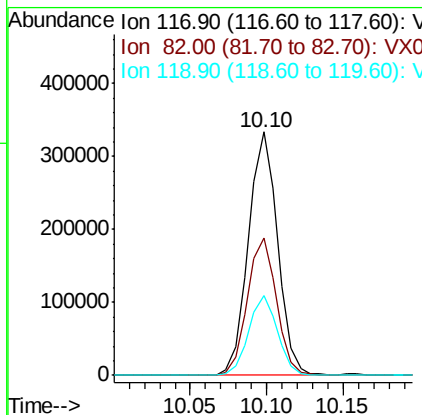
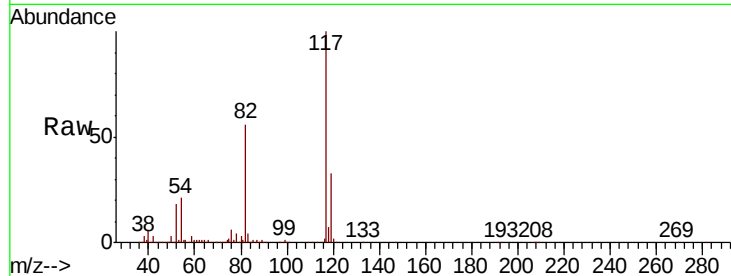




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016213.D
Acq: 14 May 2020 05:03

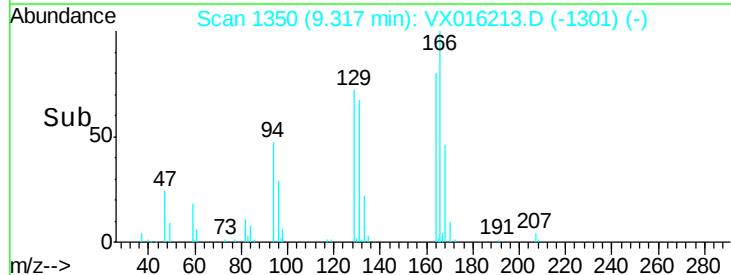
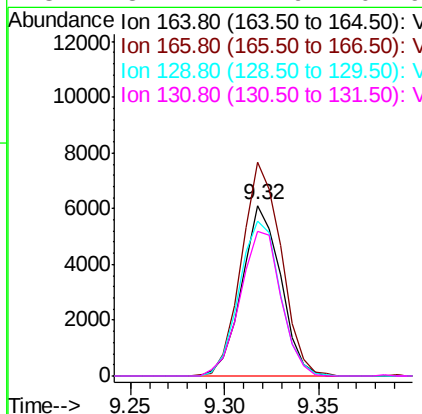
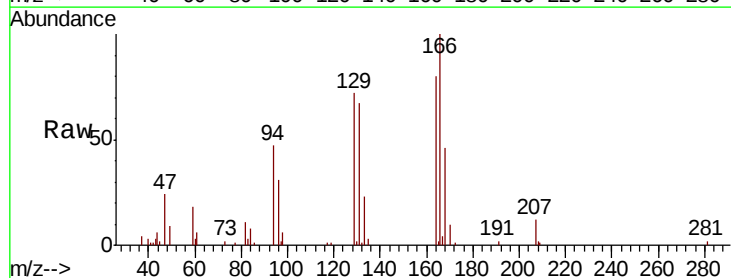
Instrument :
MSVOA_X
ClientSampleId :
SS052MW736-200512

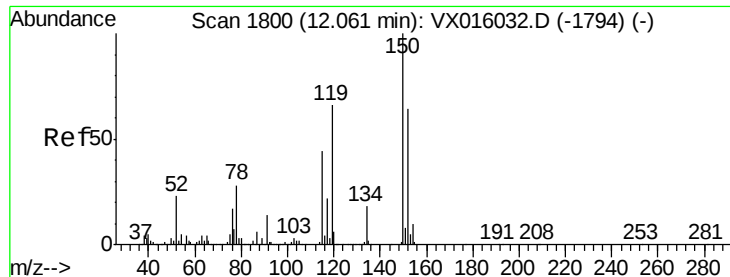
Tot Ion:117 Resp: 443782
Ion Ratio Lower Upper
117 100
82 56.2 44.4 66.6
119 32.6 25.5 38.3



#64
Tetrachloroethene
Concen: 1.603 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016213.D
Acq: 14 May 2020 05:03

Tgt Ion:164 Resp: 8734
Ion Ratio Lower Upper
164 100
166 125.0 102.9 154.3
129 90.5 76.1 114.1
131 84.4 71.9 107.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016213.D

Acq: 14 May 2020 05:03

Instrument :

MSVOA_X

ClientSampleId :

SS052MW736-200512

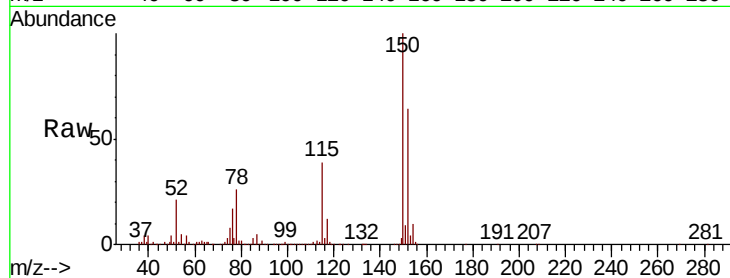
Tot Ion:152 Resp: 231083

Ion Ratio Lower Upper

152 100

115 58.3 41.3 124.1

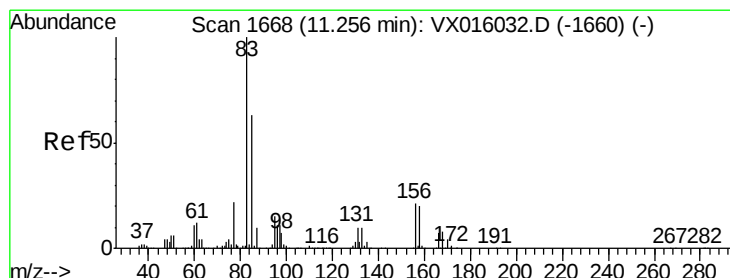
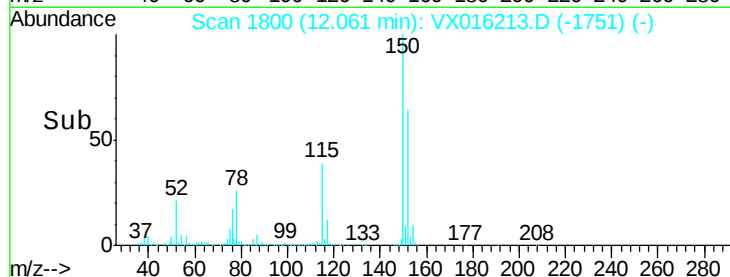
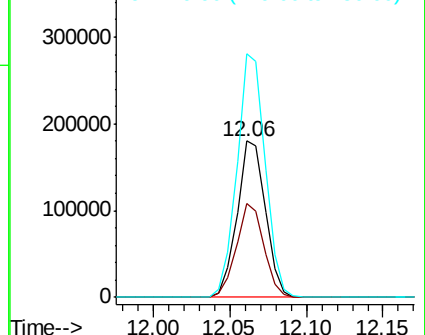
150 154.9 0.0 352.2



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: 2.096 ug/l

RT: 11.13 min Scan# 1647

Delta R.T. -0.13 min

Lab File: VX016213.D

Acq: 14 May 2020 05:03

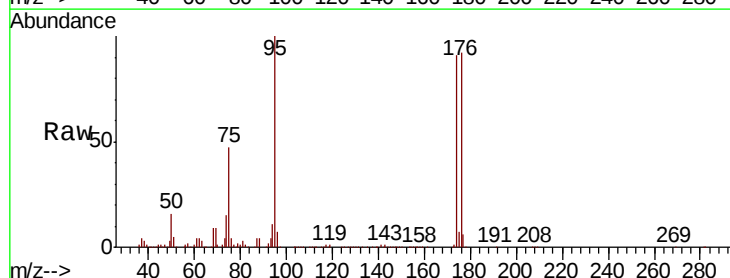
Tgt Ion: 83 Resp: 146

Ion Ratio Lower Upper

83 100

131 204.1 5.1 15.4#

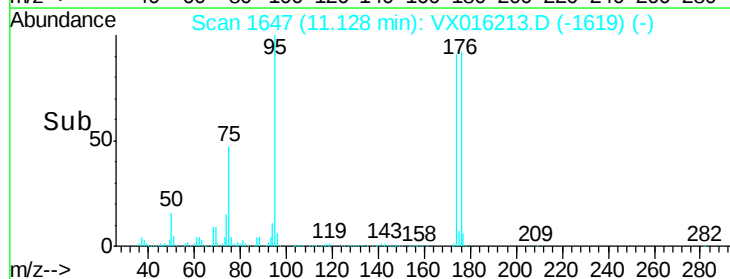
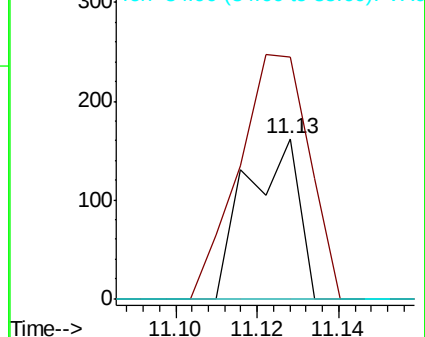
85 0.0 32.0 96.0#

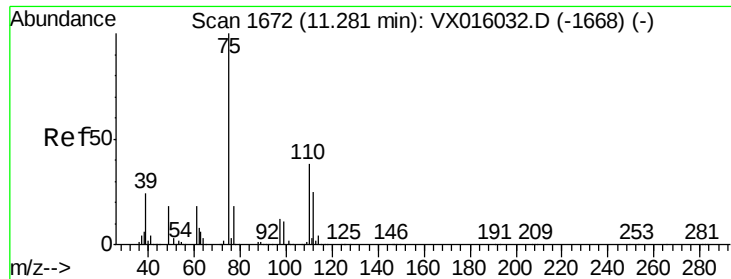


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 20.988 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016213.D

Acq: 14 May 2020 05:03

Instrument :

MSVOA_X

ClientSampleId :

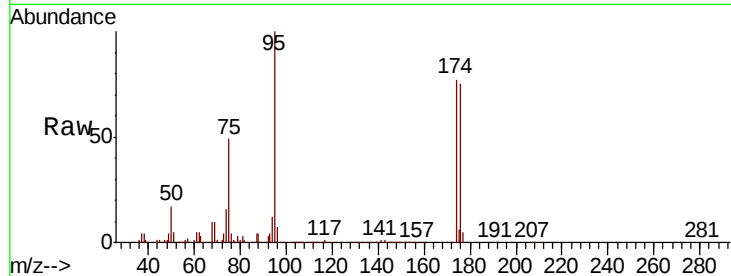
SS052MW736-200512

Tot Ion: 75 Resp: 110059

Ion Ratio Lower Upper

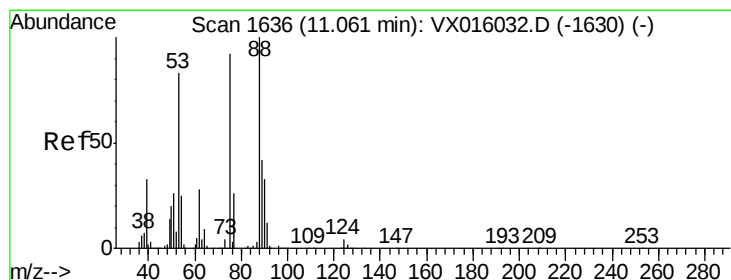
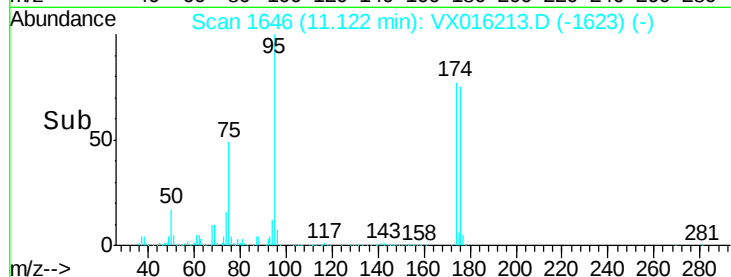
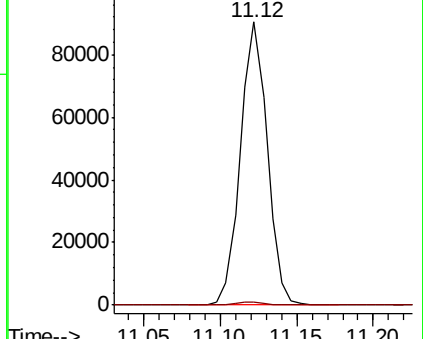
75 100

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: 50.017 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016213.D

Acq: 14 May 2020 05:03

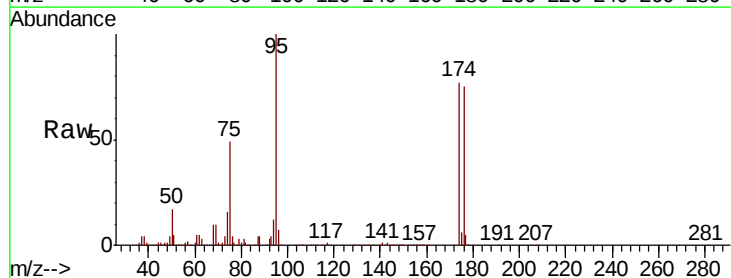
Tgt Ion: 75 Resp: 110059

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

