

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051320\
 Data File : VX016214.D
 Acq On : 14 May 2020 05:25
 Operator : JC/SP
 Sample : L2626-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW737-200512

Quant Time: May 14 06:40:48 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	271522	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	442934	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	438830	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	229457	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	166644	46.64	ug/l	0.00
Spiked Amount			Recovery	=	93.28%	
35) Dibromofluoromethane	5.47	113	134320	47.87	ug/l	0.00
Spiked Amount			Recovery	=	95.74%	
50) Toluene-d8	8.70	98	551649	51.02	ug/l	0.00
Spiked Amount			Recovery	=	102.04%	
62) 4-Bromofluorobenzene	11.12	95	219837	53.46	ug/l	0.00
Spiked Amount			Recovery	=	106.92%	

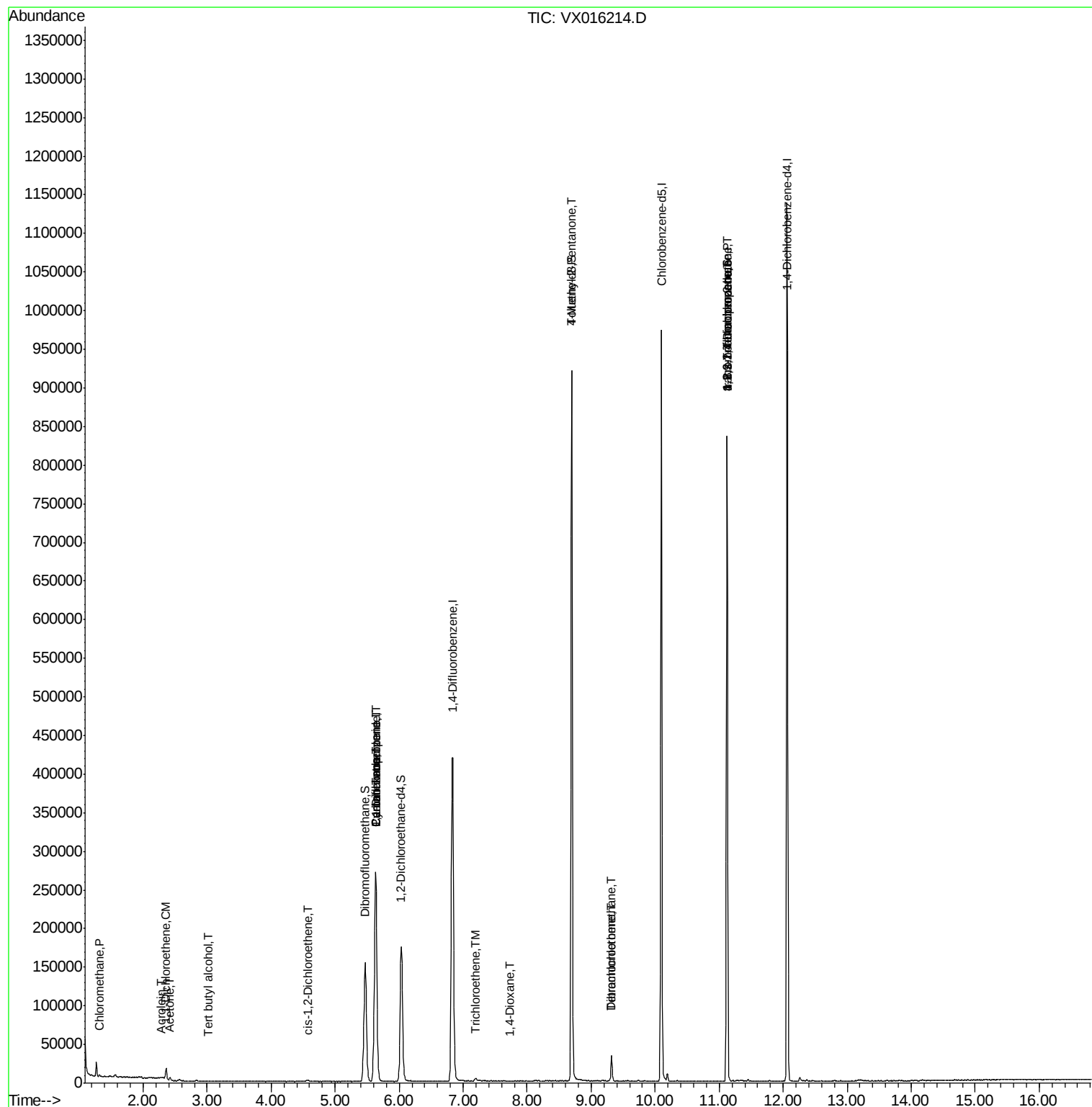
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1561	0.468	ug/l	91
11) Tert butyl alcohol	3.01	59	207	0.229	ug/l #	72
12) 1,1-Dichloroethene	2.36	96	5566	1.972	ug/l	90
13) Acrolein	2.28	56	492	0.870	ug/l #	43
16) Acetone	2.42	43	3933	2.467	ug/l #	82
17) Carbon Disulfide	2.56	76	761	Below Cal	#	91
27) cis-1,2-Dichloroethene	4.57	96	1502	0.437	ug/l	82
31) Cyclohexane	5.64	56	5248	1.057	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	20032	4.594	ug/l #	49
38) Carbon Tetrachloride	5.63	117	25488	5.751	ug/l #	14
44) Trichloroethene	7.20	130	1187	0.262	ug/l	91
49) 1,4-Dioxane	7.73	88	41	0.447	ug/l #	1
51) 4-Methyl-2-Pentanone	8.70	43	2659	0.539	ug/l #	1
60) Dibromochloromethane	9.32	129	5791	1.681	ug/l #	11
64) Tetrachloroethene	9.32	164	6183	1.148	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.12	83	176	2.106	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	107963	20.735	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	107963	49.412	ug/l #	13

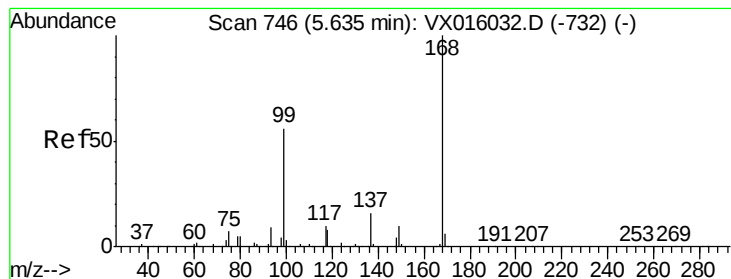
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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: VX016214.D

Acq: 14 May 2020 05:25

Instrument :

MSVOA_X

ClientSampleId :

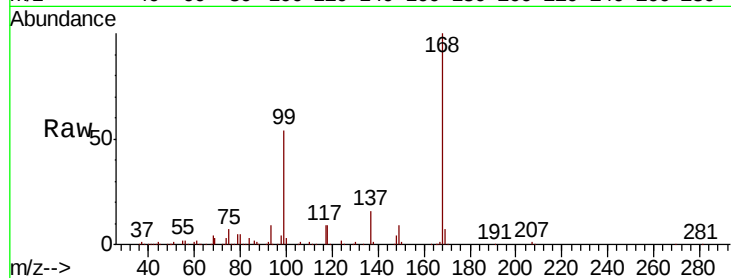
SS052MW737-200512

Tot Ion:168 Resp: 271522

Ion Ratio Lower Upper

168 100

99 54.3 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

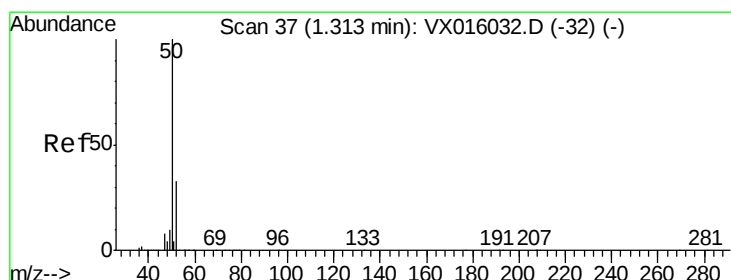
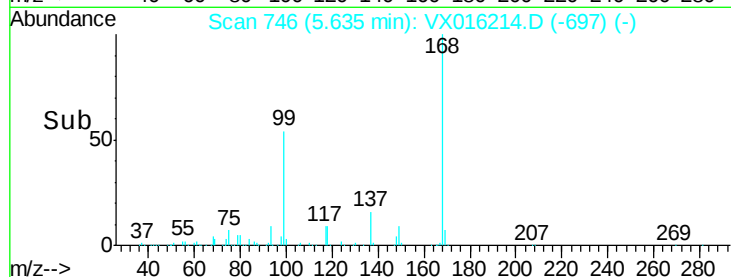
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.468 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016214.D

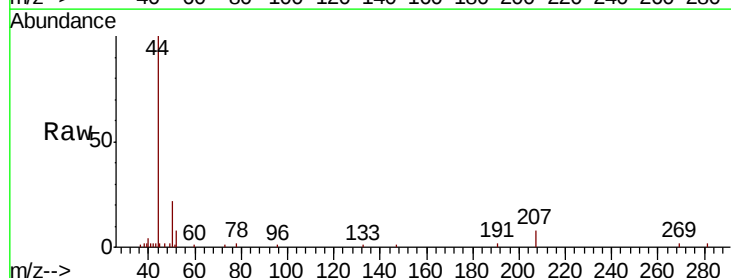
Acq: 14 May 2020 05:25

Tgt Ion: 50 Resp: 1561

Ion Ratio Lower Upper

50 100

52 37.8 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

1500

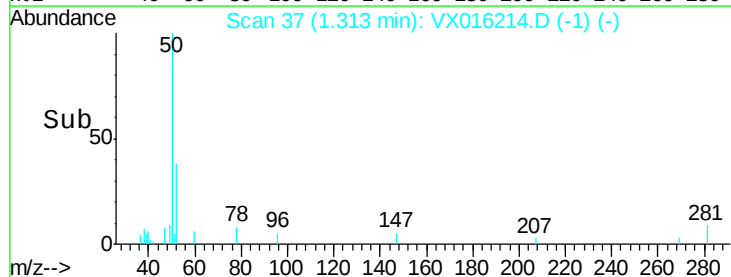
1000

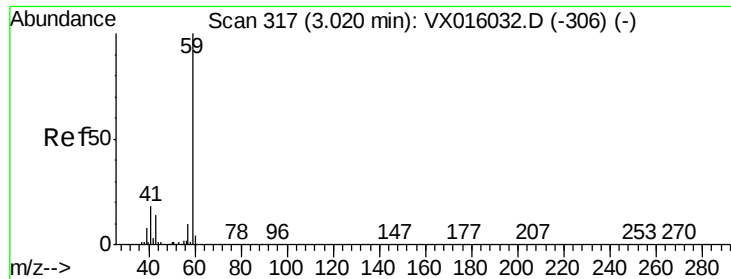
500

0

Time-->

1.30 1.35



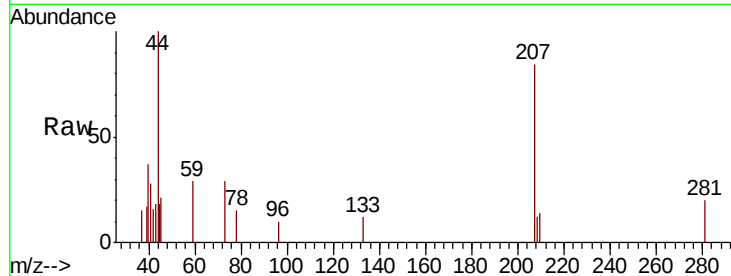


#11

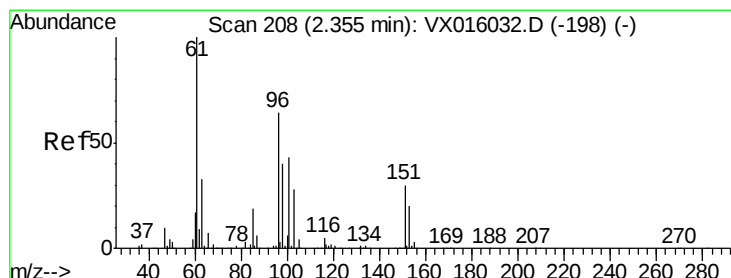
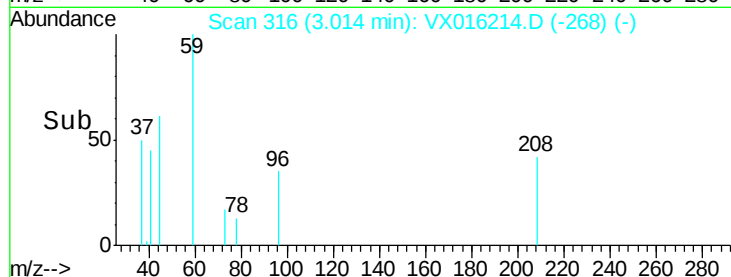
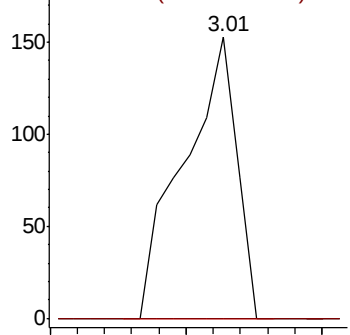
Tert butyl alcohol
Concen: 0.229 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX016214.D
Acq: 14 May 2020 05:25

Instrument :
MSVOA_X
ClientSampleId :
SS052MW737-200512

Tot Ion: 59 Resp: 207
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



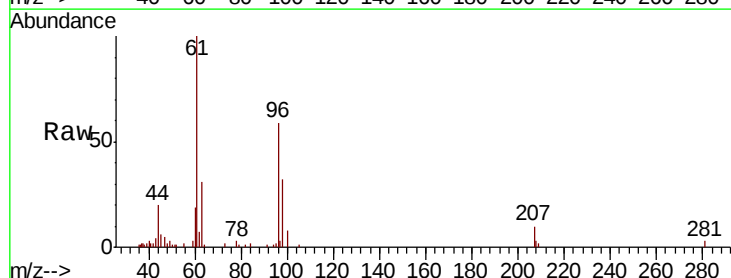
Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0



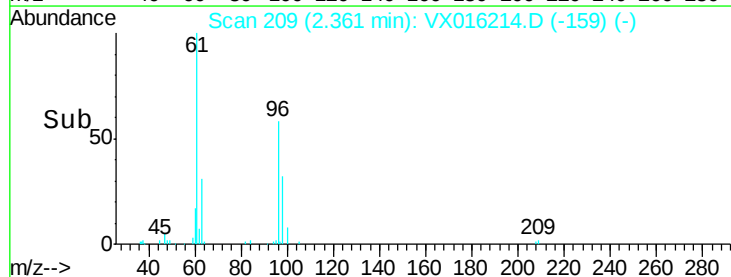
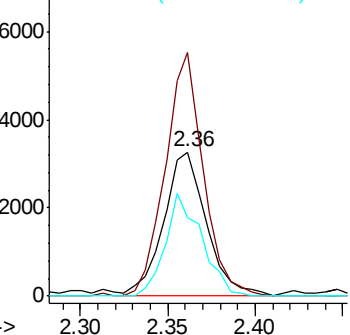
#12

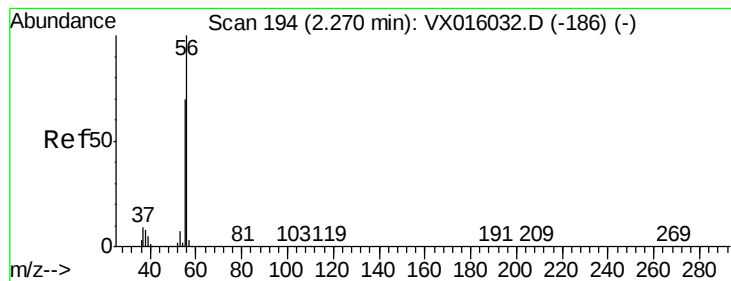
1,1-Dichloroethene
Concen: 1.972 ug/l
RT: 2.36 min Scan# 209
Delta R.T. 0.01 min
Lab File: VX016214.D
Acq: 14 May 2020 05:25

Tgt Ion: 96 Resp: 5566
Ion Ratio Lower Upper
96 100
61 168.8 124.8 187.2
98 54.4 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: 0.870 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016214.D

Acq: 14 May 2020 05:25

Instrument :

MSVOA_X

ClientSampleId :

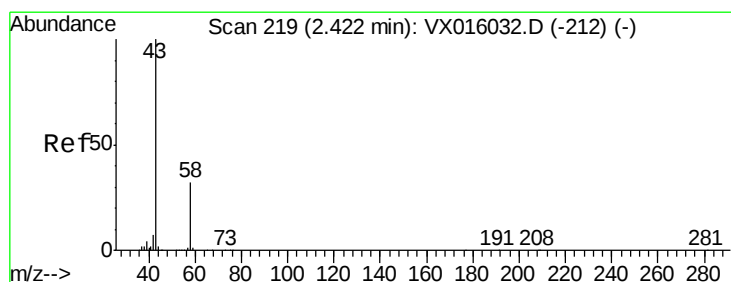
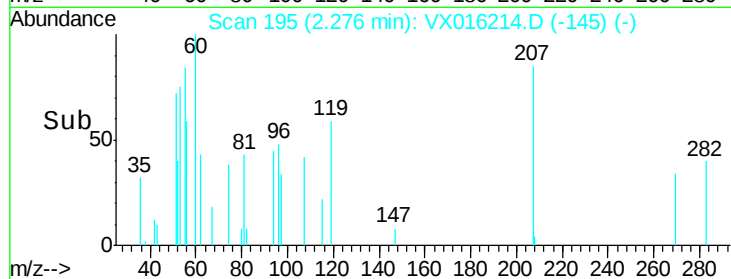
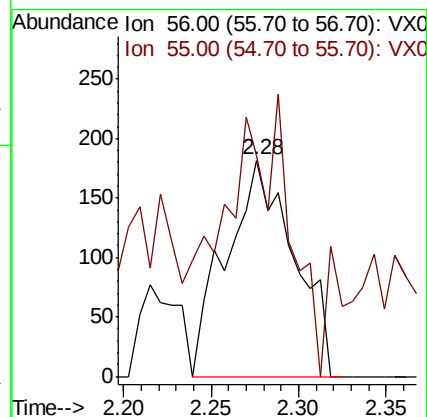
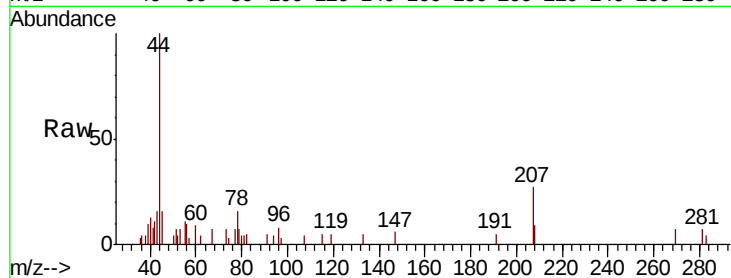
SS052MW737-200512

Tot Ion: 56 Resp: 492

Ion Ratio Lower Upper

56 100

55 117.5 56.5 84.7#



#16

Acetone

Concen: 2.467 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016214.D

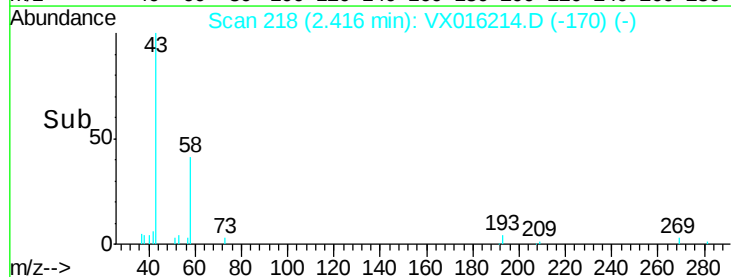
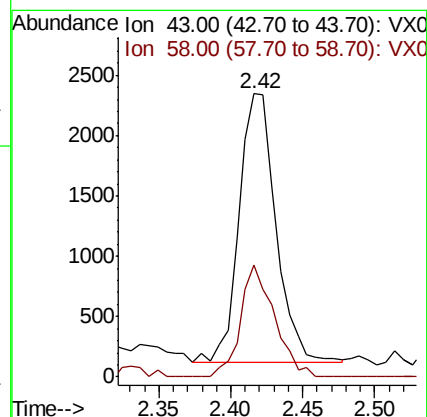
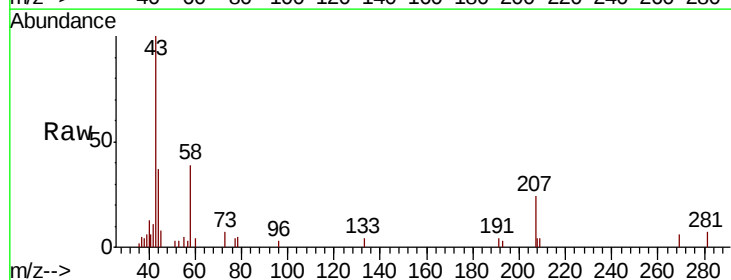
Acq: 14 May 2020 05:25

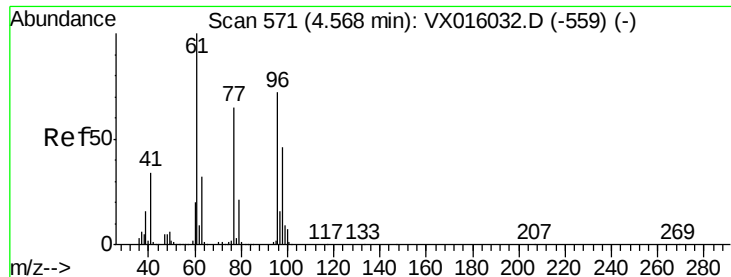
Tgt Ion: 43 Resp: 3933

Ion Ratio Lower Upper

43 100

58 41.6 25.4 38.0#





#27

cis-1,2-Dichloroethene

Concen: 0.437 ug/l

RT: 4.57 min Scan# 571

Delta R.T. -0.00 min

Lab File: VX016214.D

Acq: 14 May 2020 05:25

Instrument :

MSVOA_X

ClientSampleId :

SS052MW737-200512

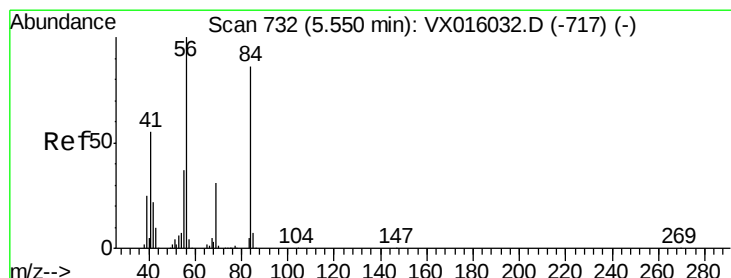
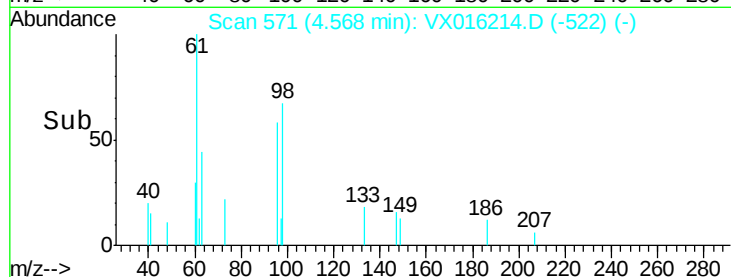
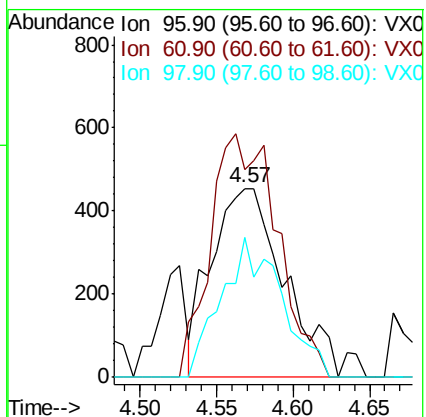
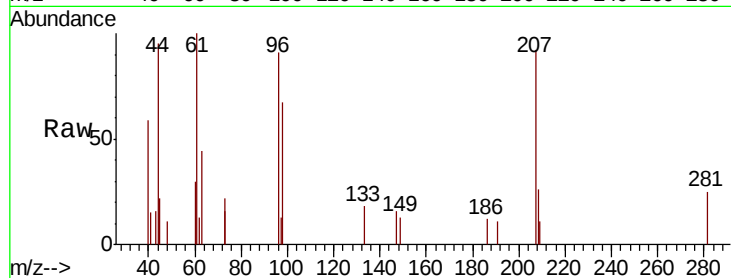
Tot Ion: 96 Resp: 1502

Ion Ratio Lower Upper

96 100

61 118.1 0.0 296.2

98 61.2 0.0 129.4



#31

Cyclohexane

Concen: 1.057 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.09 min

Lab File: VX016214.D

Acq: 14 May 2020 05:25

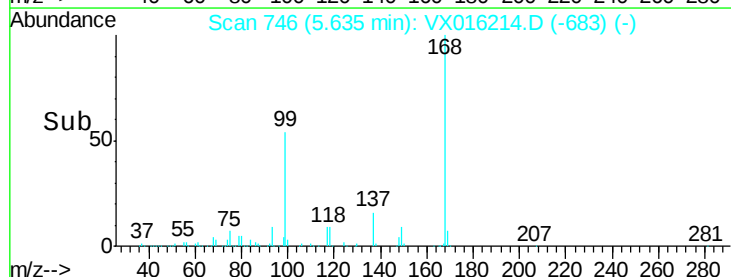
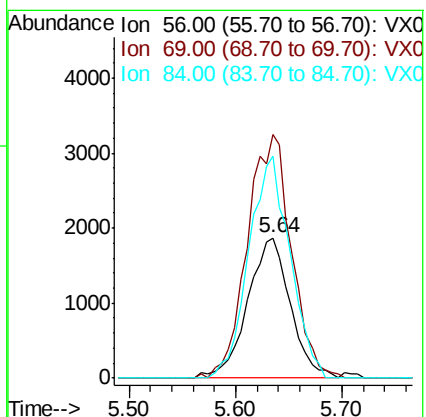
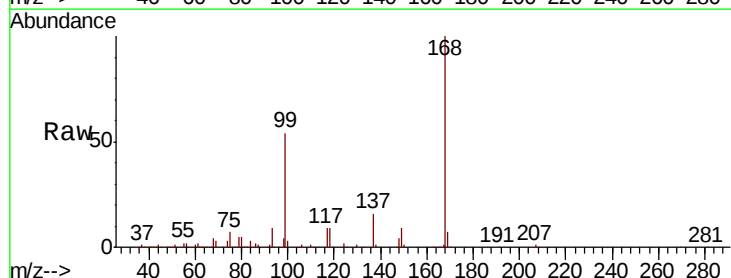
Tgt Ion: 56 Resp: 5248

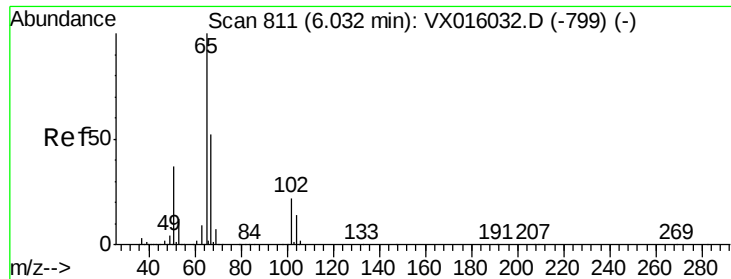
Ion Ratio Lower Upper

56 100

69 173.7 25.0 37.6#

84 158.0 69.0 103.6#

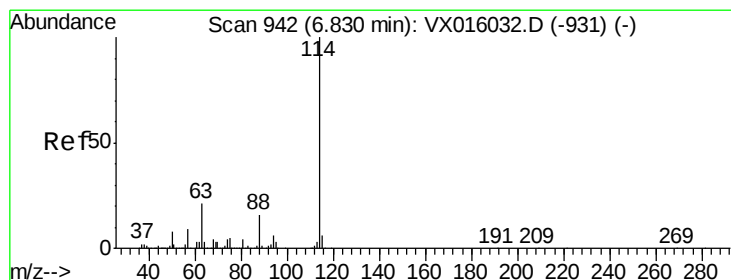
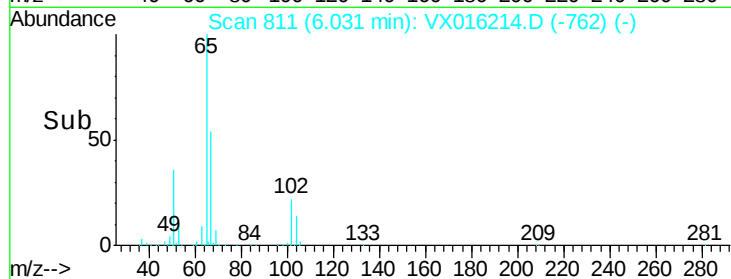
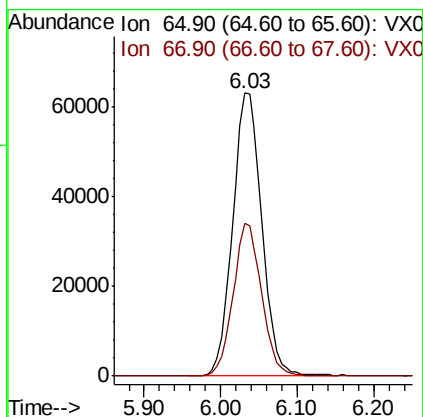
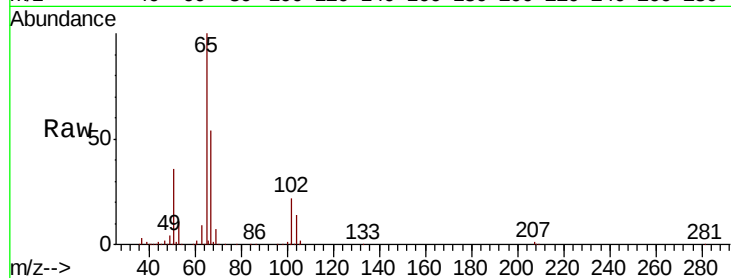




#33
 1,2-Dichloroethane-d4
 Concen: 46.640 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016214.D
 Acq: 14 May 2020 05:25

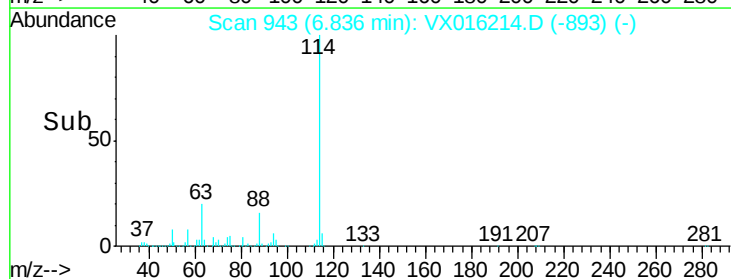
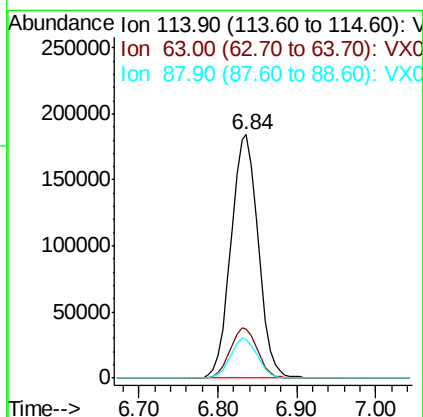
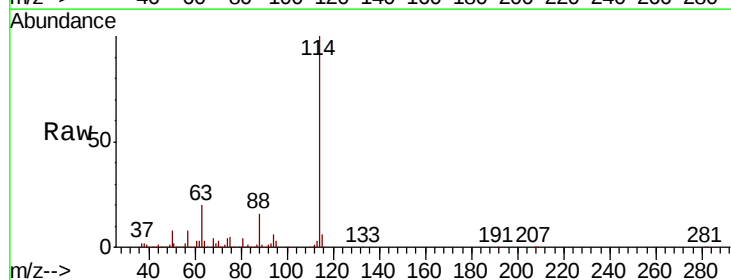
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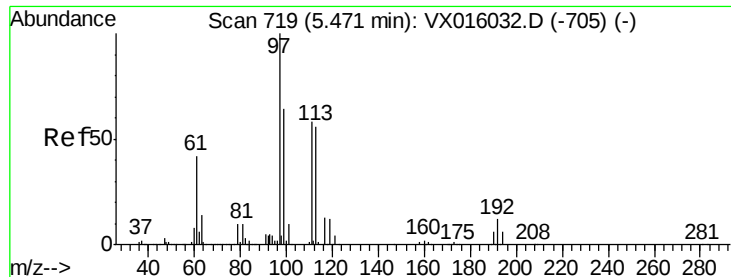
Tot Ion: 65 Resp: 166644
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX016214.D
 Acq: 14 May 2020 05:25

Tgt Ion: 114 Resp: 442934
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 42.8
 88 16.1 0.0 31.4





#35

Dibromofluoromethane

Concen: 47.866 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016214.D

Acq: 14 May 2020 05:25

Instrument :

MSVOA_X

ClientSampleId :

SS052MW737-200512

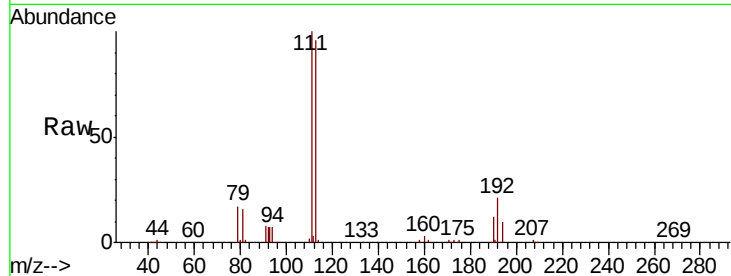
Tot Ion:113 Resp: 134320

Ion Ratio Lower Upper

113 100

111 101.5 81.6 122.4

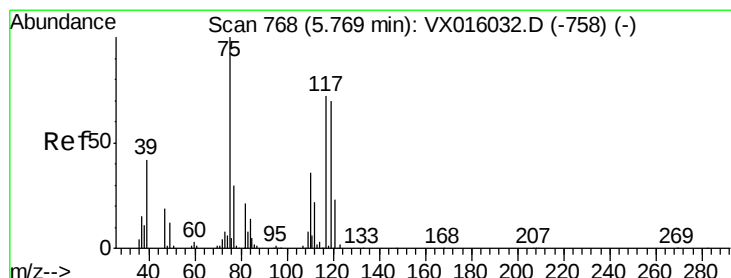
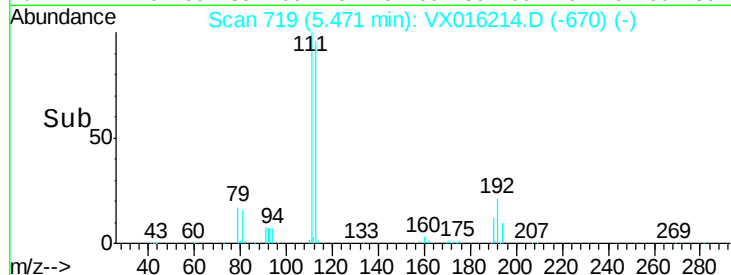
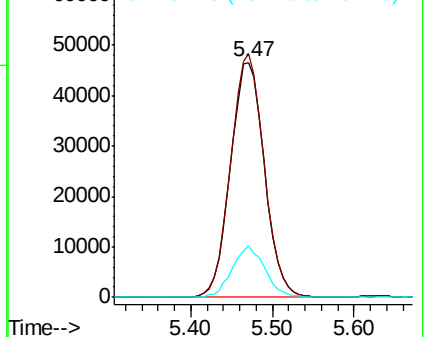
192 21.1 17.0 25.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.594 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX016214.D

Acq: 14 May 2020 05:25

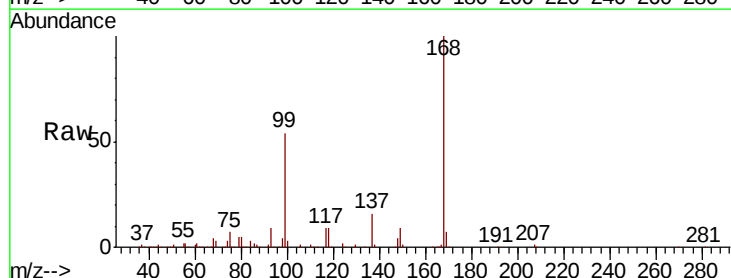
Tgt Ion: 75 Resp: 20032

Ion Ratio Lower Upper

75 100

110 9.0 18.1 54.1#

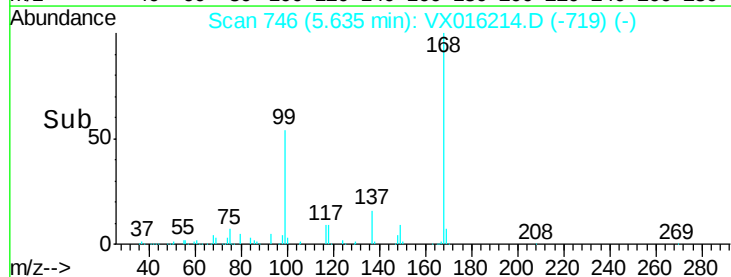
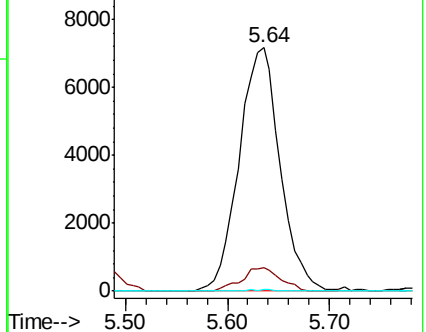
77 0.2 25.0 37.6#

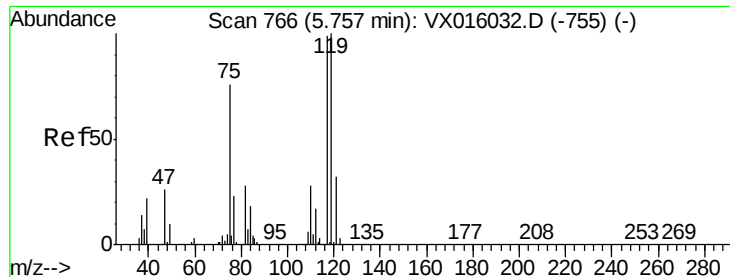


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.751 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016214.D

Acq: 14 May 2020 05:25

Instrument :

MSVOA_X

ClientSampleId :

SS052MW737-200512

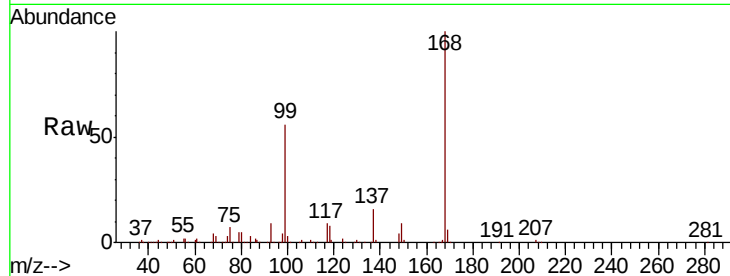
Tot Ion:117 Resp: 25488

Ion Ratio Lower Upper

117 100

119 5.3 80.3 120.5#

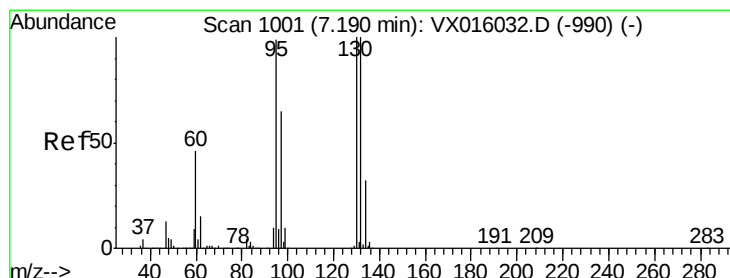
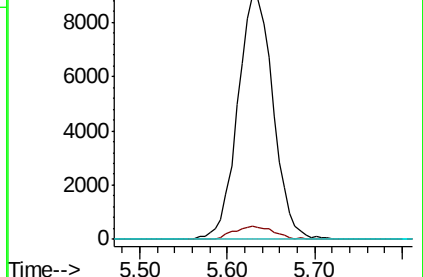
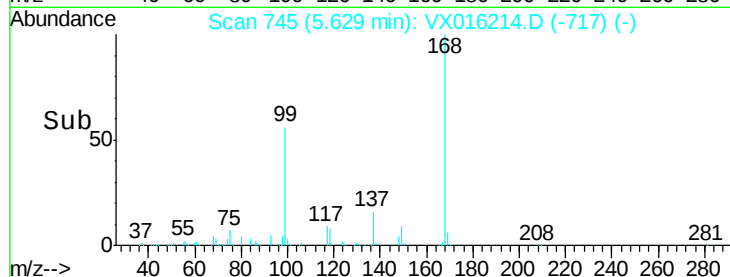
121 0.0 25.7 38.5#



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: 0.262 ug/l

RT: 7.20 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VX016214.D

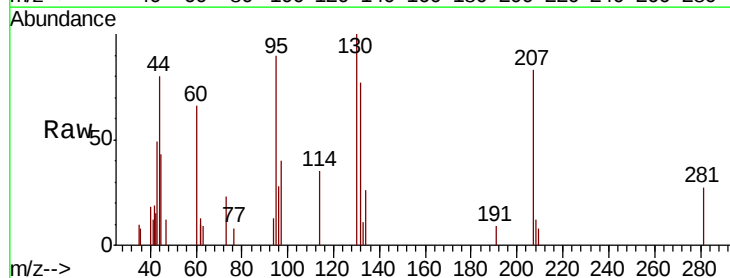
Acq: 14 May 2020 05:25

Tgt Ion:130 Resp: 1187

Ion Ratio Lower Upper

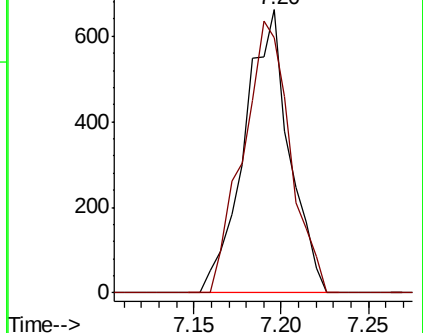
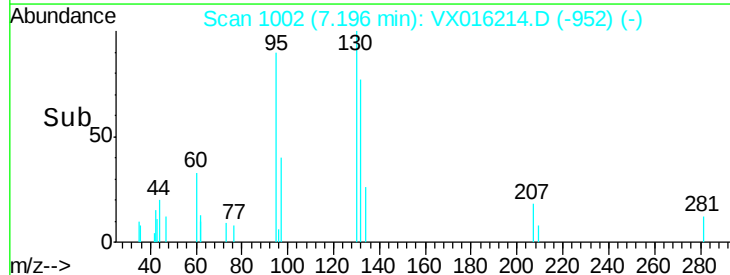
130 100

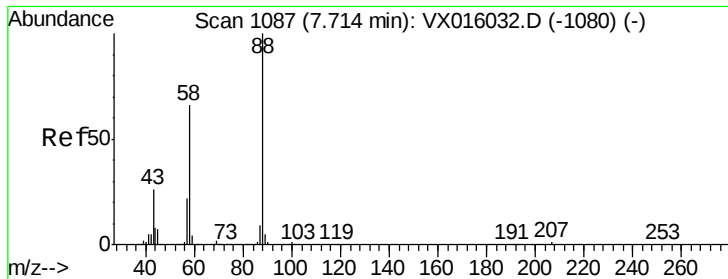
95 90.0 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

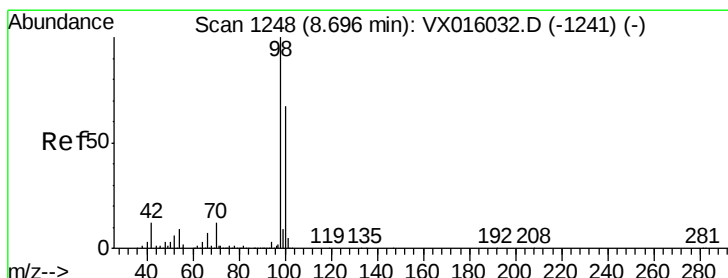
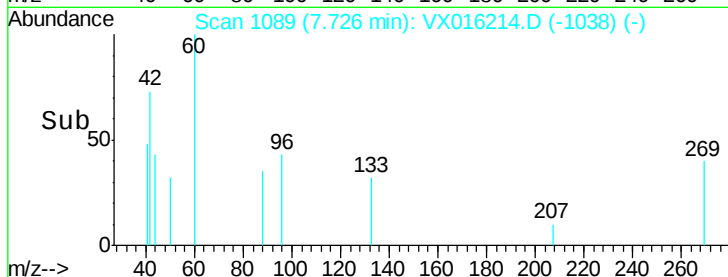
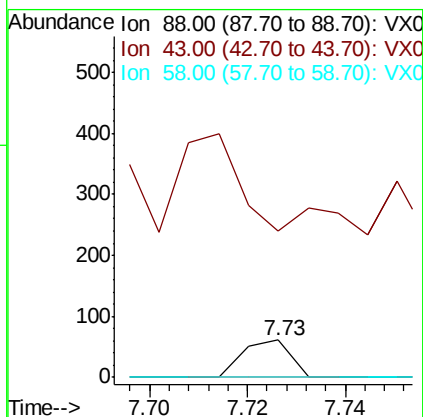
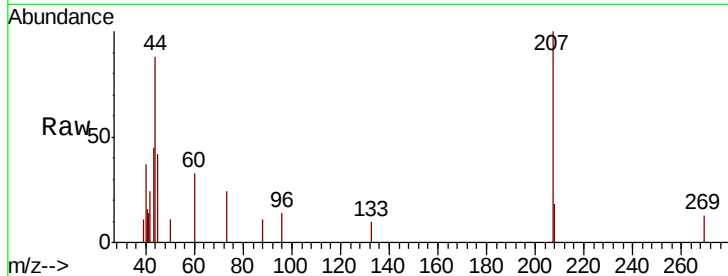




#49
1,4-Dioxane
Concen: 0.447 ug/l
RT: 7.73 min Scan# 1089
Delta R.T. 0.01 min
Lab File: VX016214.D
Acq: 14 May 2020 05:25

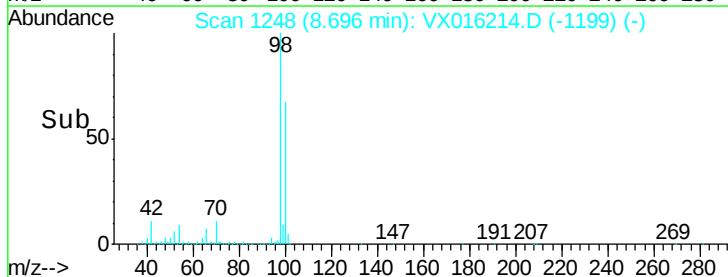
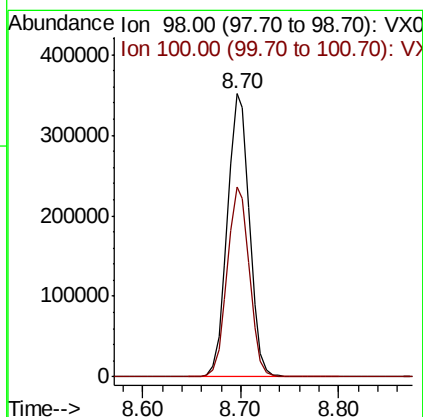
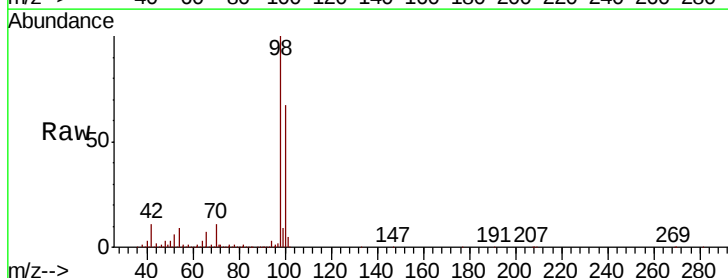
Instrument :
MSVOA_X
ClientSampleId :
SS052MW737-200512

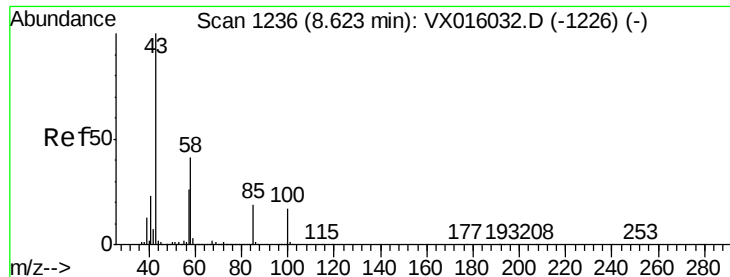
Tot Ion: 88 Resp: 41
Ion Ratio Lower Upper
88 100
43 346.3 25.3 37.9#
58 0.0 55.9 83.9#



#50
Toluene-d8
Concen: 51.020 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016214.D
Acq: 14 May 2020 05:25

Tgt Ion: 98 Resp: 551649
Ion Ratio Lower Upper
98 100
100 67.5 53.7 80.5

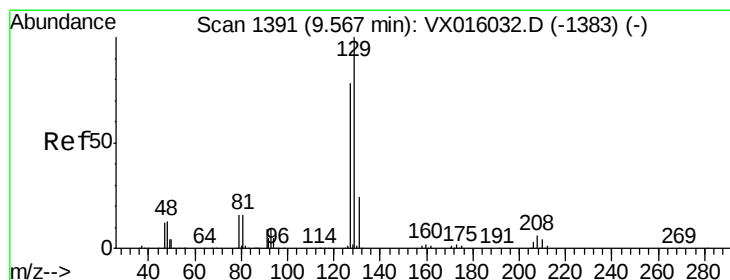
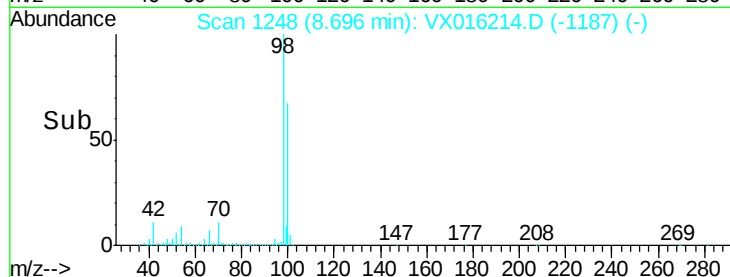
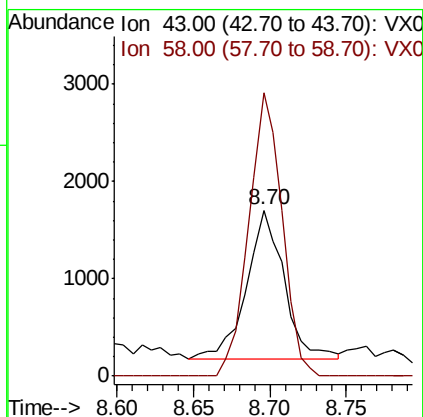
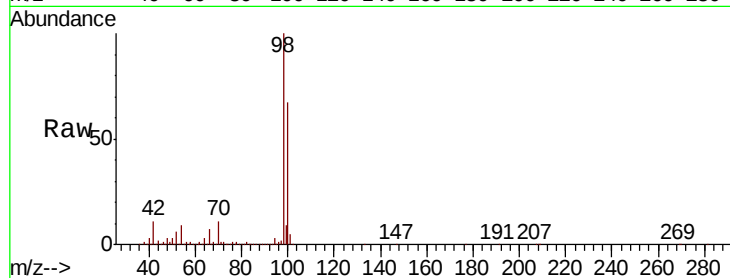




#51
 4-Methyl-2-Pentanone
 Concen: 0.539 ug/l
 RT: 8.70 min Scan# 1248
 Delta R.T. 0.07 min
 Lab File: VX016214.D
 Acq: 14 May 2020 05:25

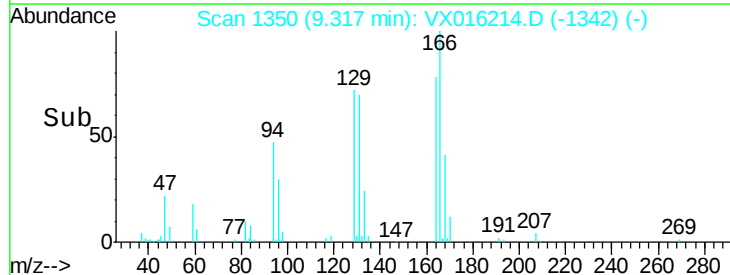
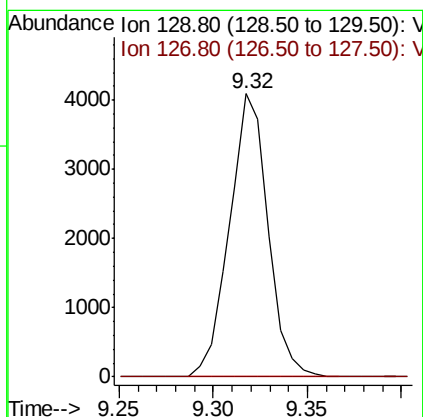
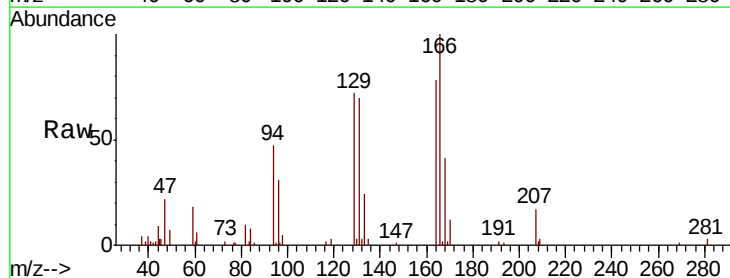
Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW737-200512

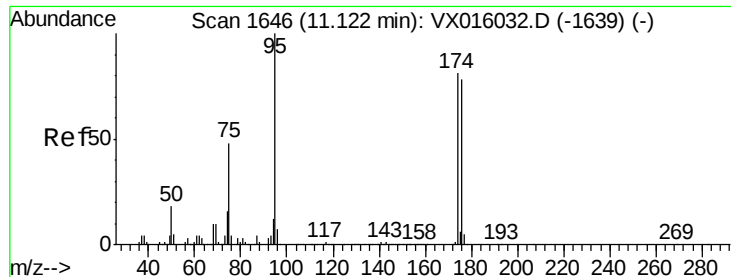
Tot Ion: 43 Resp: 2659
 Ion Ratio Lower Upper
 43 100
 58 165.9 33.0 49.4#



#60
 Dibromochloromethane
 Concen: 1.681 ug/l
 RT: 9.32 min Scan# 1350
 Delta R.T. -0.25 min
 Lab File: VX016214.D
 Acq: 14 May 2020 05:25

Tgt Ion: 129 Resp: 5791
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.4 115.2#





#62

4-Bromofluorobenzene

Concen: 53.456 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016214.D

Acq: 14 May 2020 05:25

Instrument :

MSVOA_X

ClientSampleId :

SS052MW737-200512

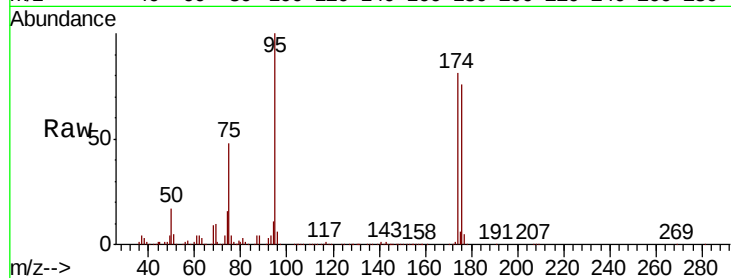
Tot Ion: 95 Resp: 219837

Ion Ratio Lower Upper

95 100

174 81.8 0.0 159.4

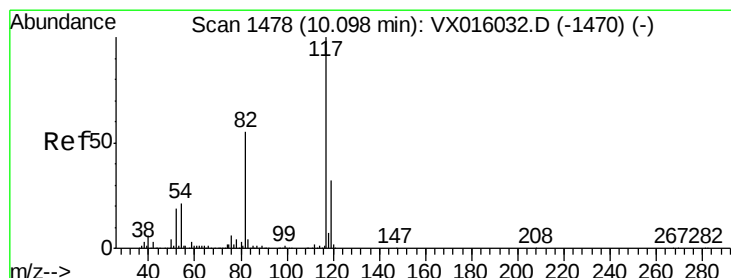
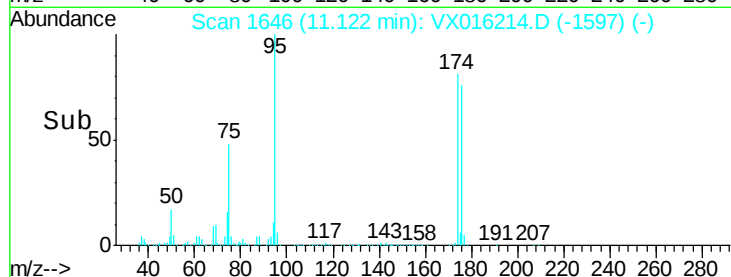
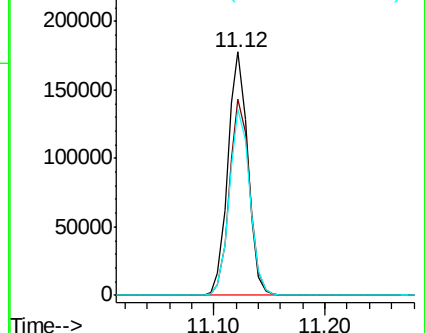
176 78.2 0.0 157.6



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: VX016214.D

Acq: 14 May 2020 05:25

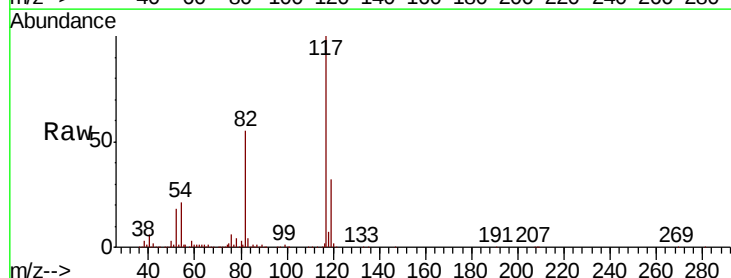
Tgt Ion: 117 Resp: 438830

Ion Ratio Lower Upper

117 100

82 55.1 44.4 66.6

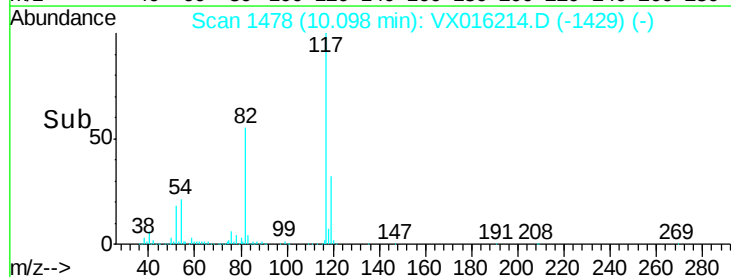
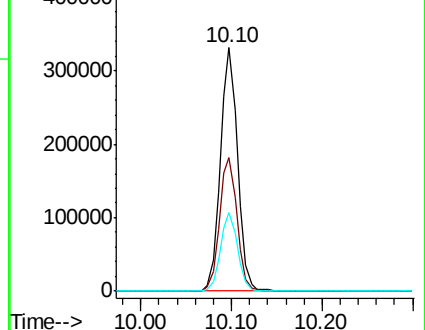
119 32.4 25.5 38.3

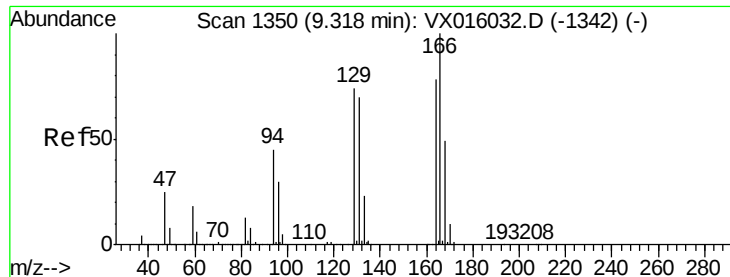


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0





#64

Tetrachloroethene

Concen: 1.148 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX016214.D

Acq: 14 May 2020 05:25

Instrument :

MSVOA_X

ClientSampleId :

SS052MW737-200512

Tot Ion:164 Resp: 6183

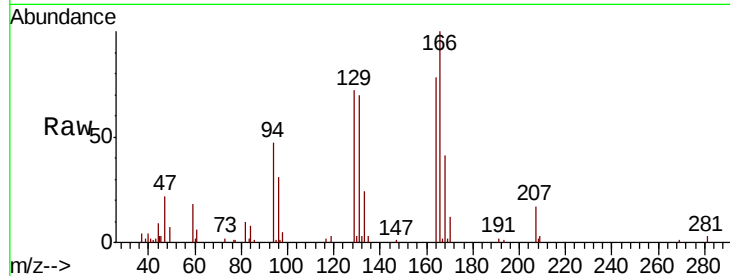
Ion Ratio Lower Upper

164 100

166 128.4 102.9 154.3

129 92.8 76.1 114.1

131 90.4 71.9 107.9

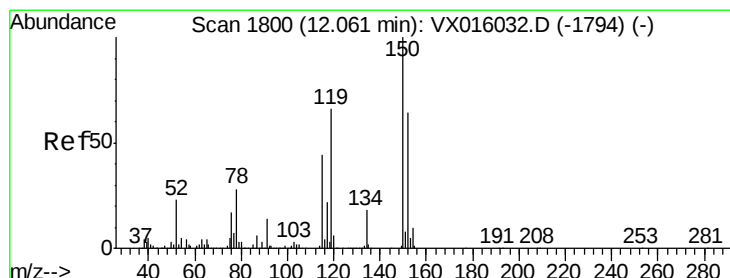
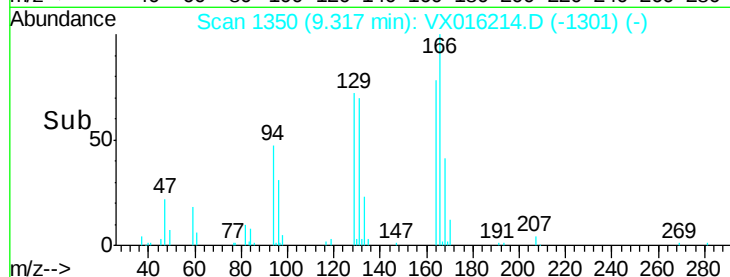
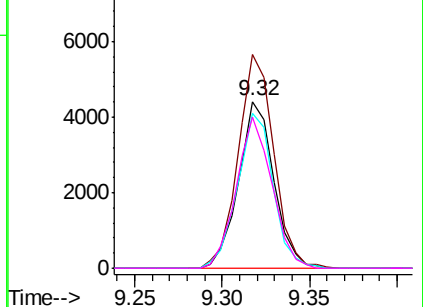


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016214.D

Acq: 14 May 2020 05:25

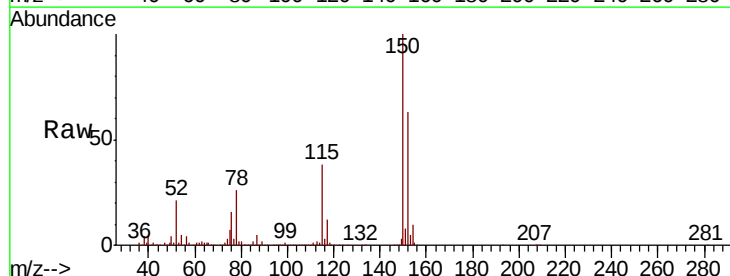
Tgt Ion:152 Resp: 229457

Ion Ratio Lower Upper

152 100

115 58.6 41.3 124.1

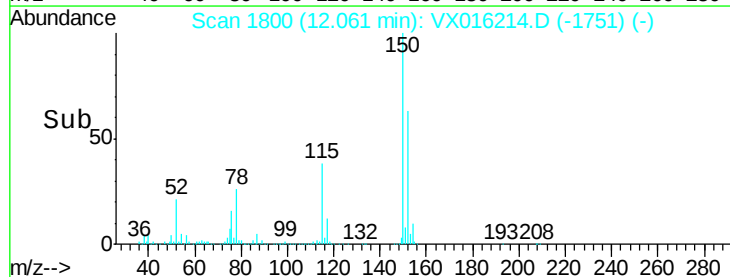
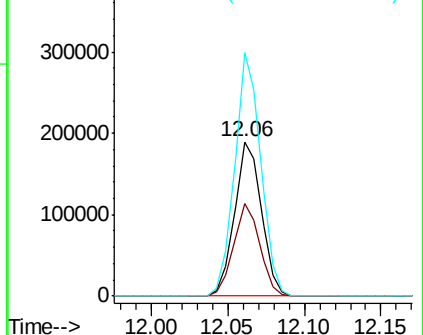
150 153.6 0.0 352.2

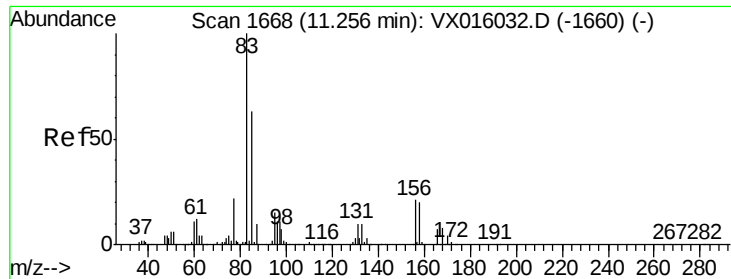


Abundance Ion 151.90 (151.60 to 152.60): V

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: 2.106 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016214.D

Acq: 14 May 2020 05:25

Instrument :

MSVOA_X

ClientSampleId :

SS052MW737-200512

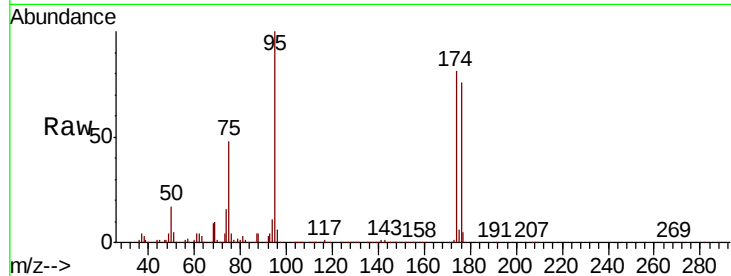
Tot Ion: 83 Resp: 176

Ion Ratio Lower Upper

83 100

131 204.0 5.1 15.4#

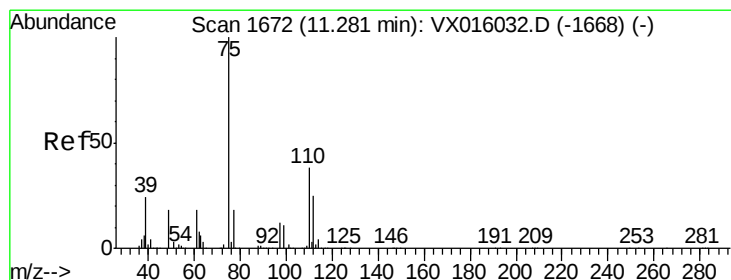
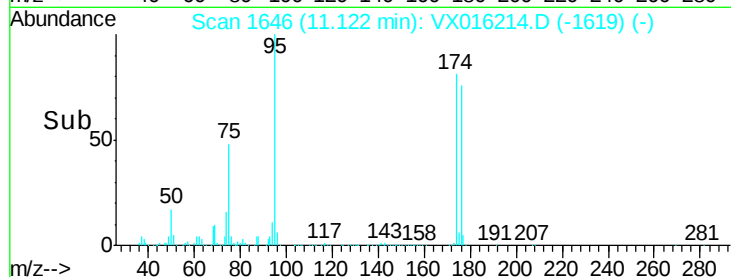
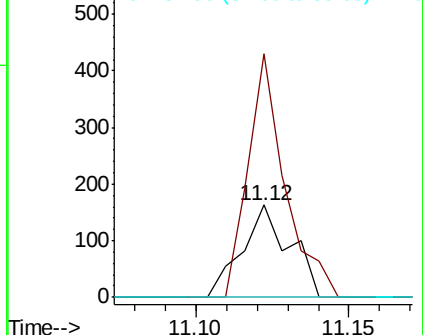
85 0.0 32.0 96.0#



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: 20.735 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016214.D

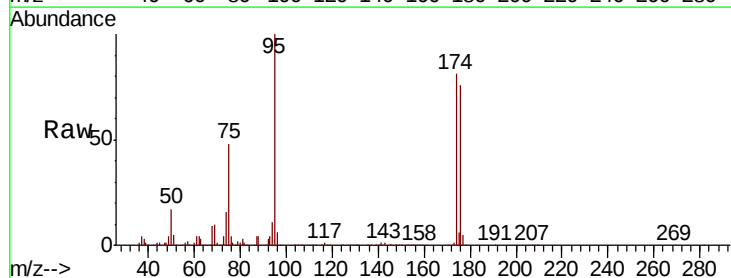
Acq: 14 May 2020 05:25

Tgt Ion: 75 Resp: 107963

Ion Ratio Lower Upper

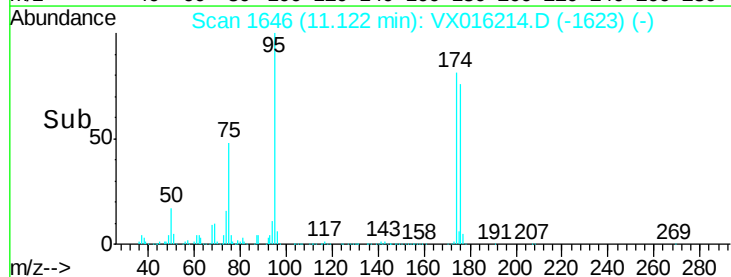
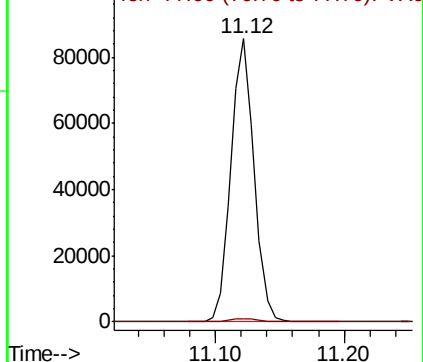
75 100

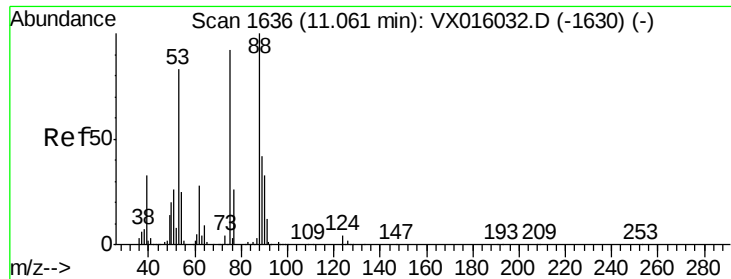
77 1.4 21.2 63.6#



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: 49.412 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016214.D

Acq: 14 May 2020 05:25

Instrument :

MSVOA_X

ClientSampleId :

SS052MW737-200512

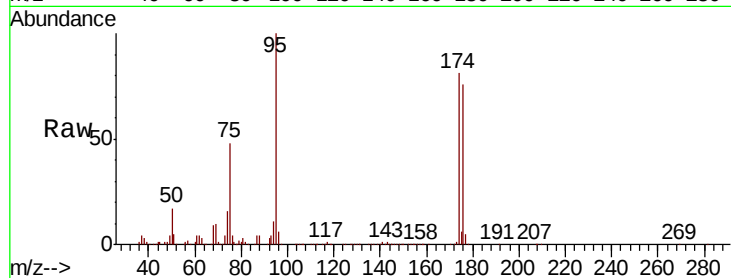
Tot Ion: 75 Resp: 107963

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

