

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX051420\
 Data File : VX016234.D
 Acq On : 14 May 2020 16:24
 Operator : JC/SP
 Sample : L2643-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS004MW010-200513

Quant Time: May 15 01:34:05 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	241461	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	402515	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	402831	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	205619	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	151249	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	
35) Dibromofluoromethane	5.47	113	121704	47.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.46%	
50) Toluene-d8	8.70	98	502363	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
62) 4-Bromofluorobenzene	11.12	95	201369	53.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.76%	

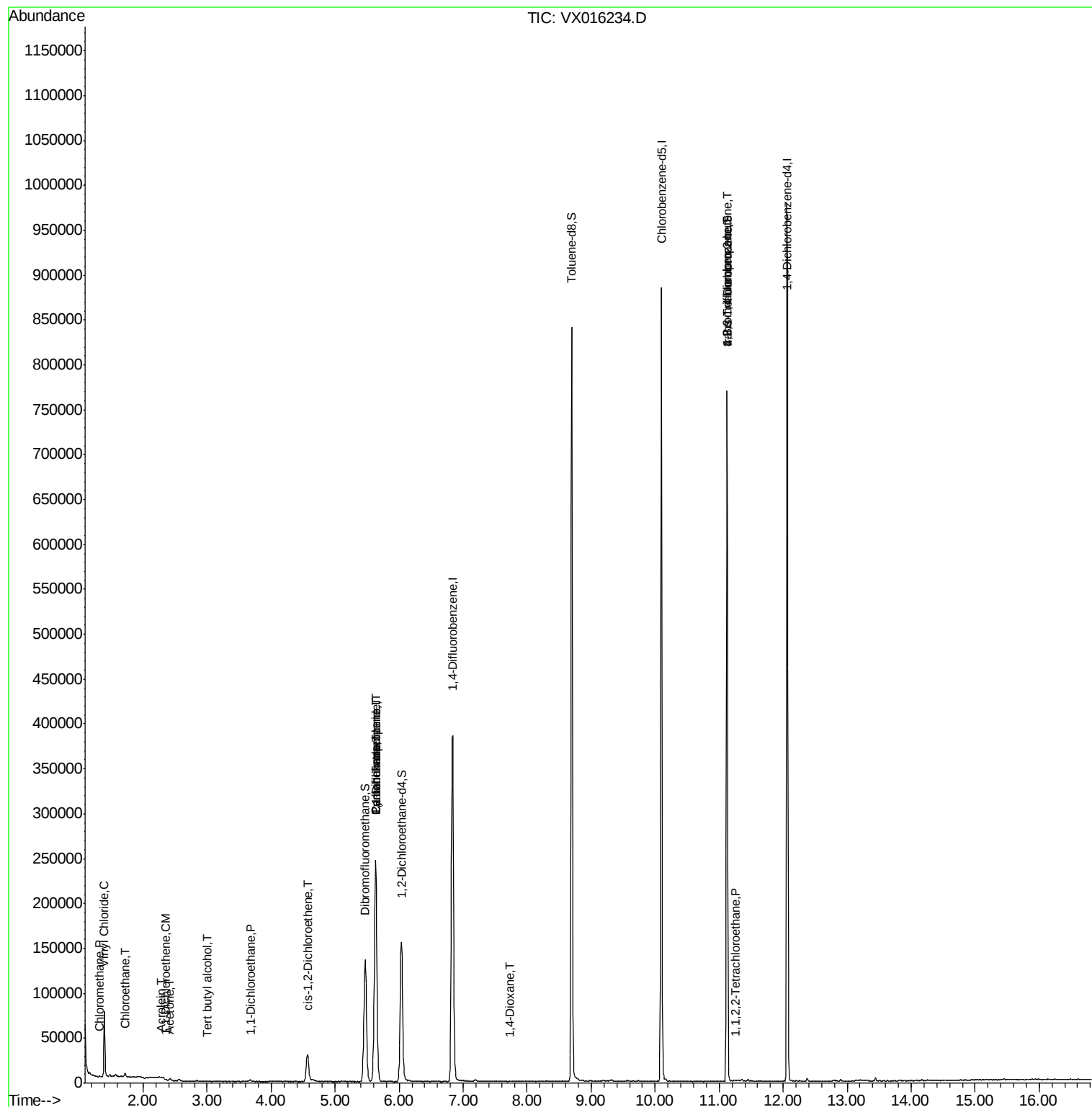
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	761	0.26	ug/l	89
4) Vinyl Chloride	1.39	62	43065	13.60	ug/l	99
6) Chloroethane	1.72	64	2234	1.16	ug/l	98
11) Tert butyl alcohol	3.00	59	469	0.58	ug/l #	72
12) 1,1-Dichloroethene	2.35	96	764	0.30	ug/l #	28
13) Acrolein	2.28	56	381	0.76	ug/l #	72
16) Acetone	2.42	43	2268	1.60	ug/l #	78
24) 1,1-Dichloroethane	3.68	63	2201	0.45	ug/l #	84
27) cis-1,2-Dichloroethene	4.57	96	20814	6.81	ug/l	84
31) Cyclohexane	5.63	56	4576	1.04	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	17825	4.50	ug/l #	49
38) Carbon Tetrachloride	5.64	117	23259	5.78	ug/l #	14
49) 1,4-Dioxane	7.72	88	124	1.49	ug/l #	24
75) 1,1,2,2-Tetrachloroethane	11.25	83	28	2.06	ug/l #	26
76) 1,2,3-Trichloropropane	11.12	75	98995	21.22	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	98995	50.56	ug/l #	13

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016234.D

Acq: 14 May 2020 16:24

Instrument :

MSVOA_X

ClientSampleId :

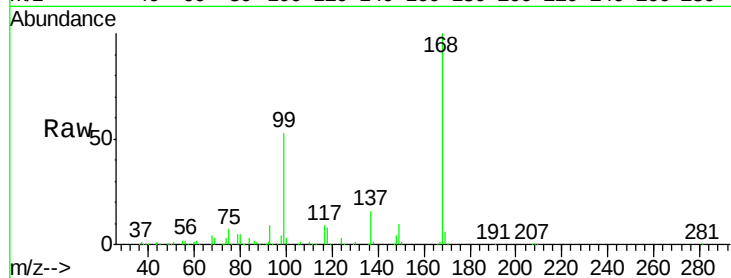
SS004MW010-200513

Tgt Ion: 168 Resp: 241461

Ion Ratio Lower Upper

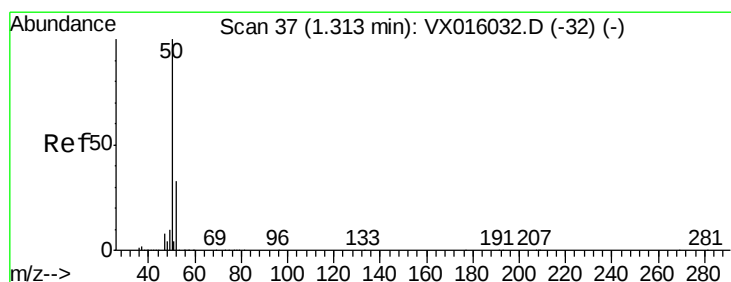
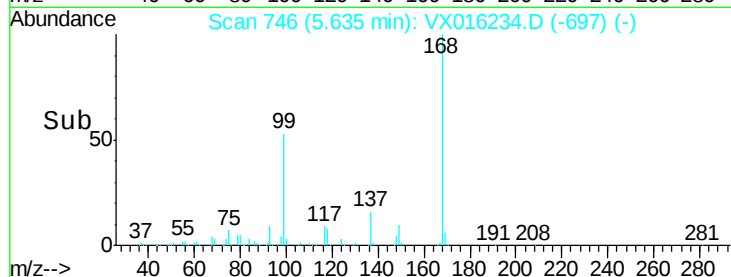
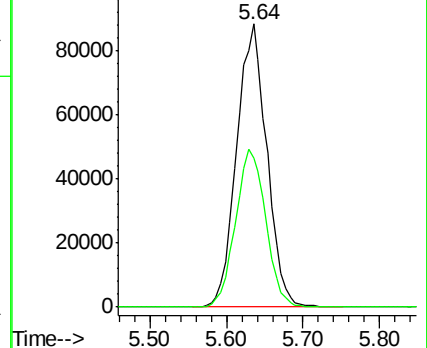
168 100

99 52.5 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.26 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016234.D

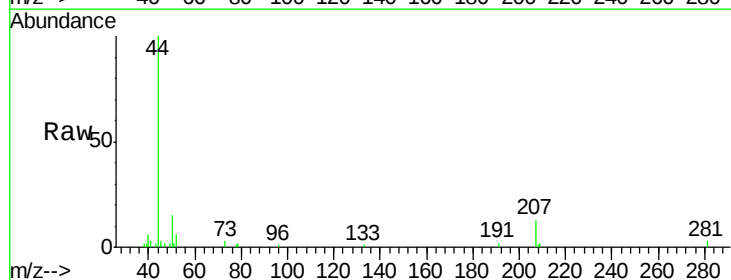
Acq: 14 May 2020 16:24

Tgt Ion: 50 Resp: 761

Ion Ratio Lower Upper

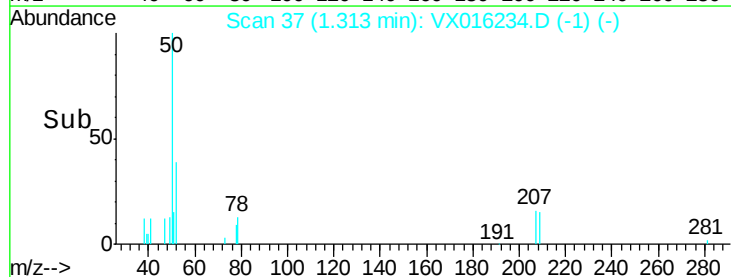
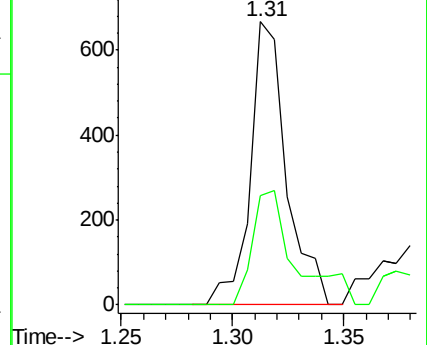
50 100

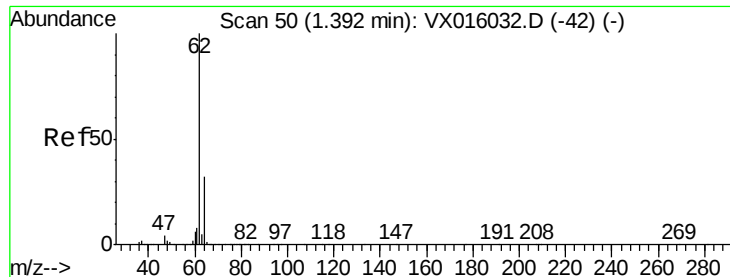
52 38.7 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 13.60 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016234.D

Acq: 14 May 2020 16:24

Instrument :

MSVOA_X

ClientSampleId :

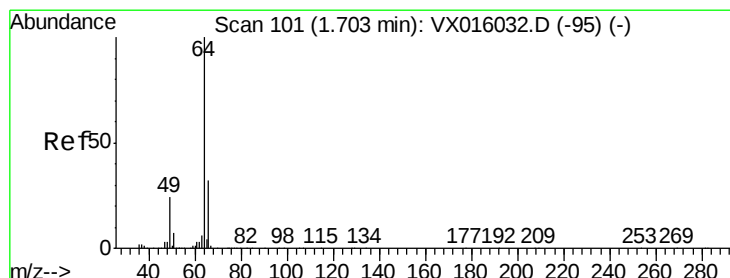
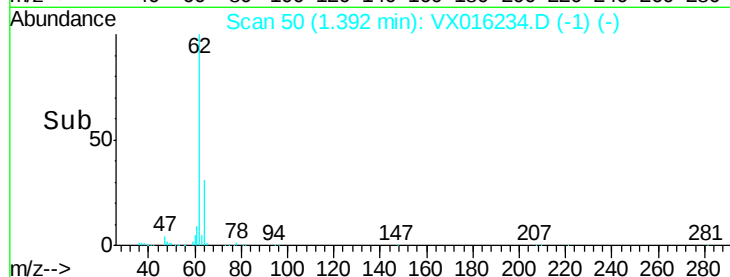
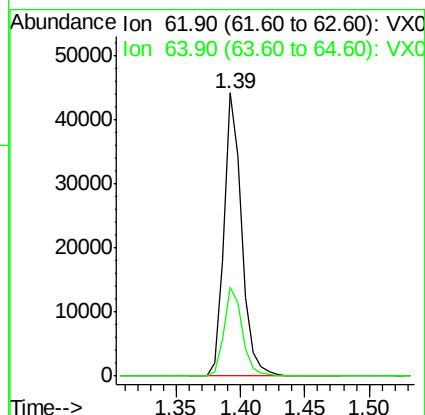
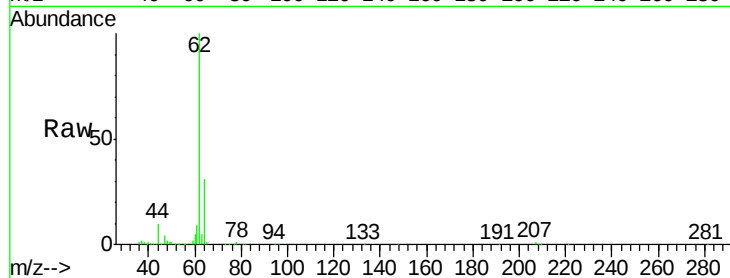
SS004MW010-200513

Tgt Ion: 62 Resp: 43065

Ion Ratio Lower Upper

62 100

64 31.3 25.7 38.5



#6

Chloroethane

Concen: 1.16 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX016234.D

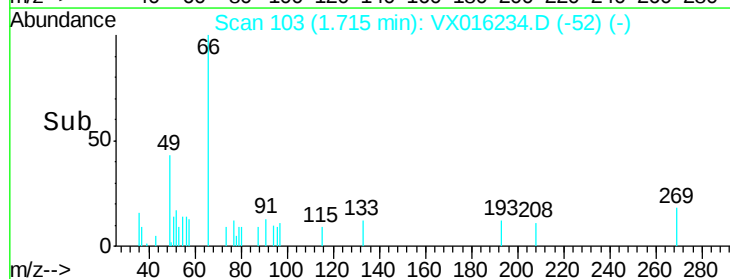
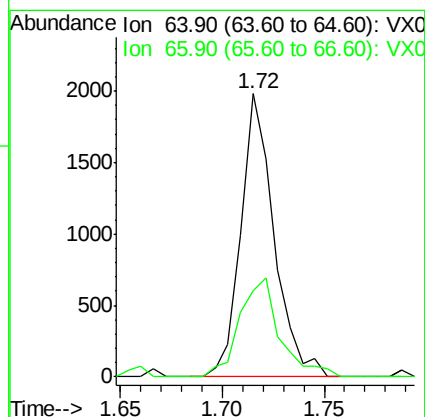
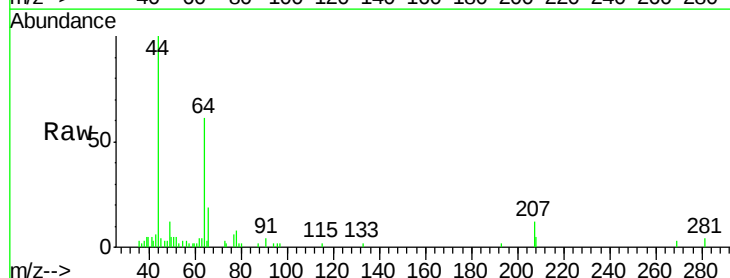
Acq: 14 May 2020 16:24

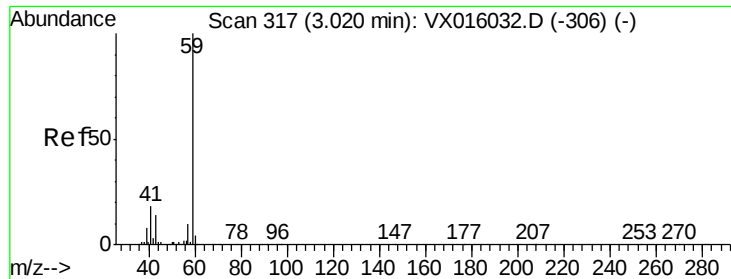
Tgt Ion: 64 Resp: 2234

Ion Ratio Lower Upper

64 100

66 30.6 25.2 37.8





#11

Tert butyl alcohol

Concen: 0.58 ug/l

RT: 3.00 min Scan# 314

Delta R.T. -0.02 min

Lab File: VX016234.D

Acq: 14 May 2020 16:24

Instrument :

MSVOA_X

ClientSampleId :

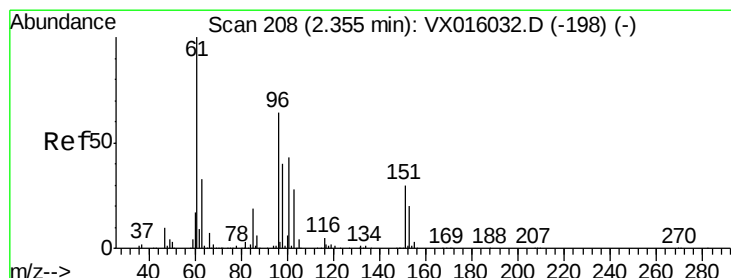
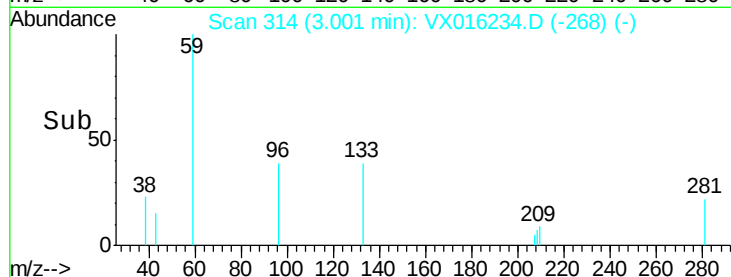
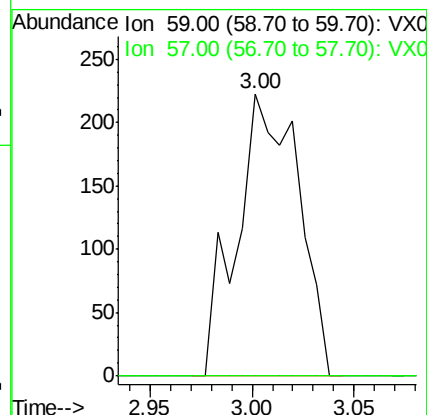
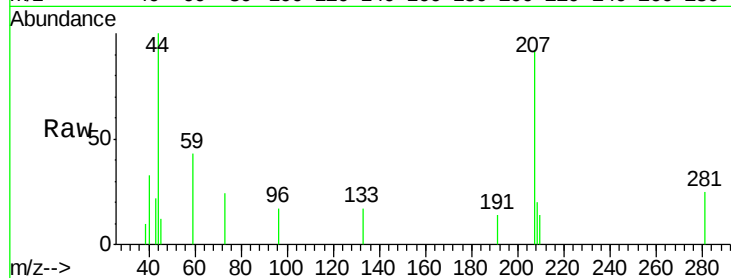
SS004MW010-200513

Tgt Ion: 59 Resp: 469

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#12

1,1-Dichloroethene

Concen: 0.30 ug/l

RT: 2.35 min Scan# 207

Delta R.T. -0.01 min

Lab File: VX016234.D

Acq: 14 May 2020 16:24

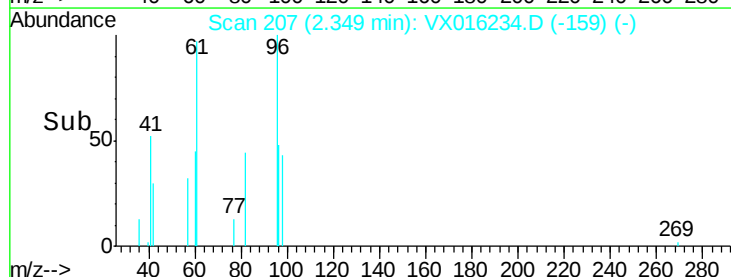
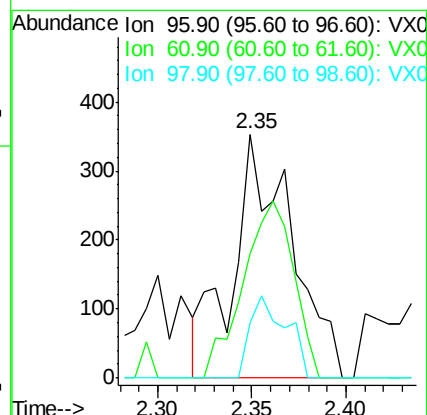
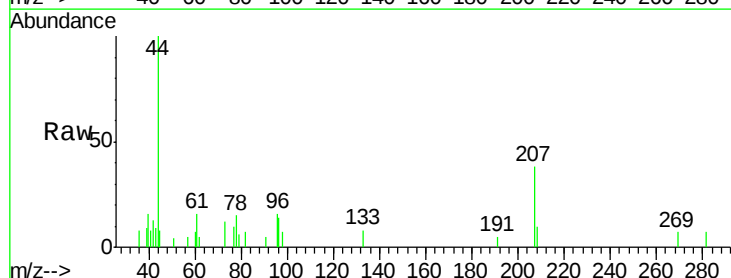
Tgt Ion: 96 Resp: 764

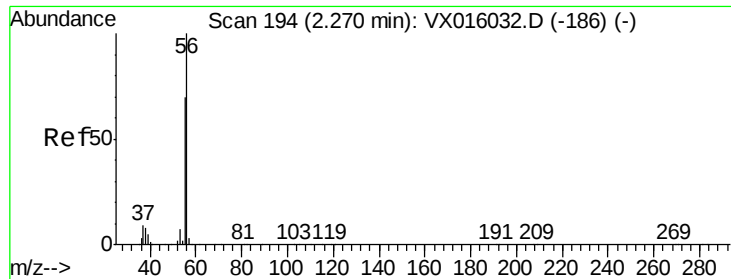
Ion Ratio Lower Upper

96 100

61 51.3 124.8 187.2#

98 22.7 49.7 74.5#





#13

Acrolein

Concen: 0.76 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016234.D

Acq: 14 May 2020 16:24

Instrument :

MSVOA_X

ClientSampleId :

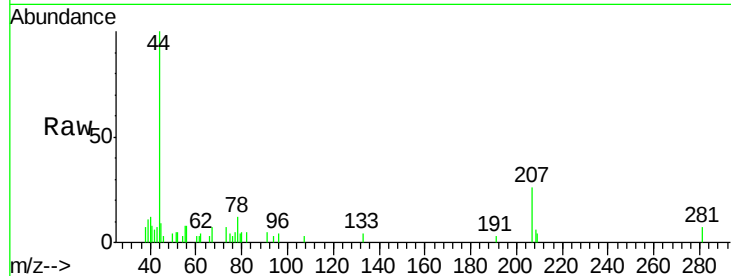
SS004MW010-200513

Tgt Ion: 56 Resp: 381

Ion Ratio Lower Upper

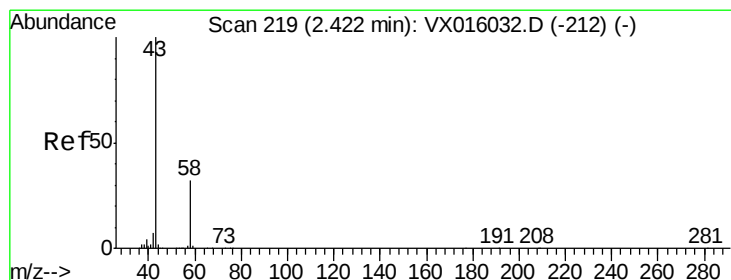
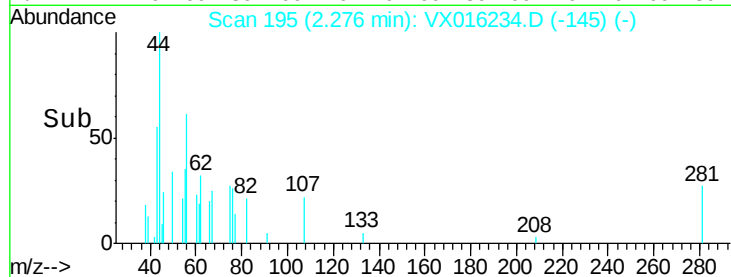
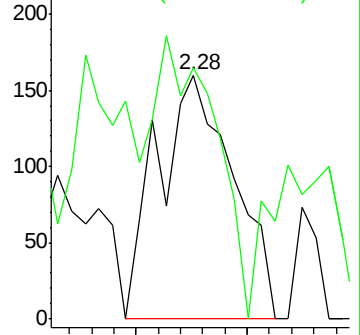
56 100

55 93.4 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: 1.60 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016234.D

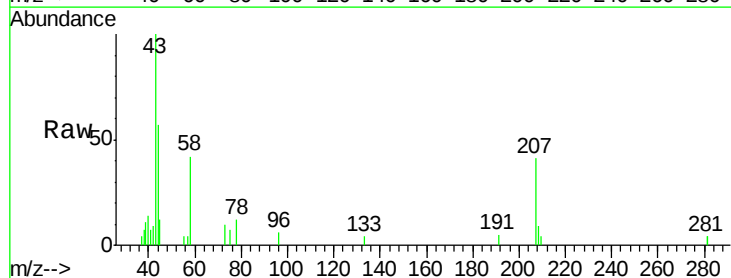
Acq: 14 May 2020 16:24

Tgt Ion: 43 Resp: 2268

Ion Ratio Lower Upper

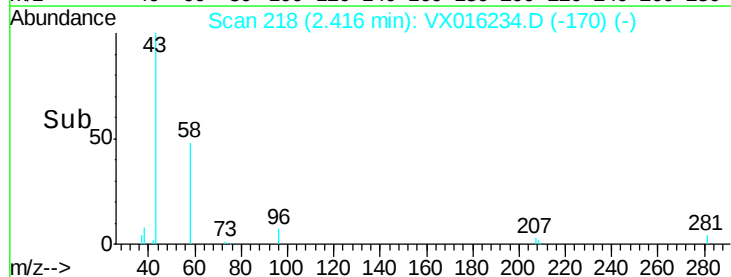
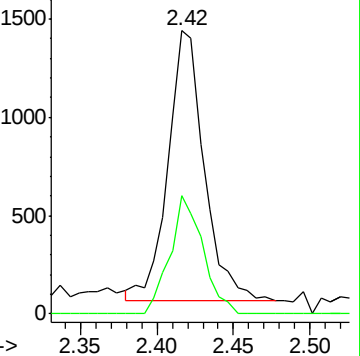
43 100

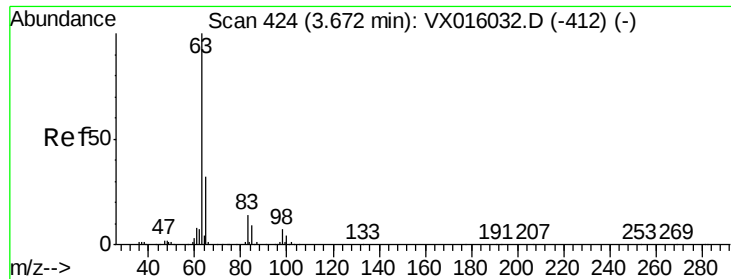
58 43.9 25.4 38.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#24

1,1-Dichloroethane

Concen: 0.45 ug/l

RT: 3.68 min Scan# 425

Delta R.T. 0.01 min

Lab File: VX016234.D

Acq: 14 May 2020 16:24

Instrument :

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ClientSampleId :

SS004MW010-200513

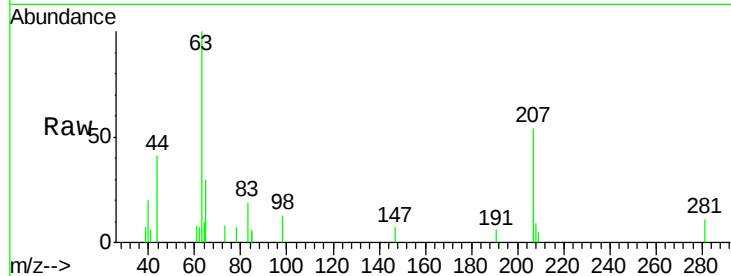
Tgt Ion: 63 Resp: 2201

Ion Ratio Lower Upper

63 100

98 13.1 3.5 10.5#

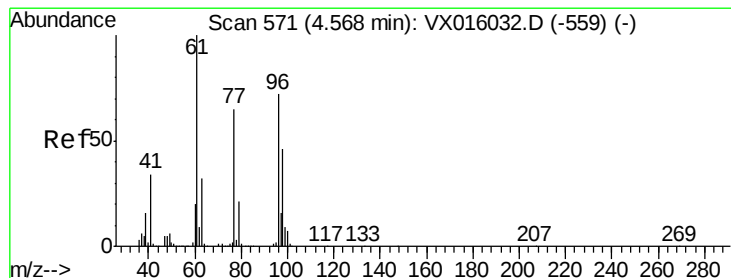
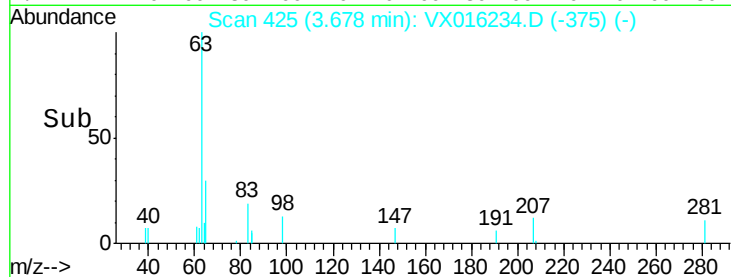
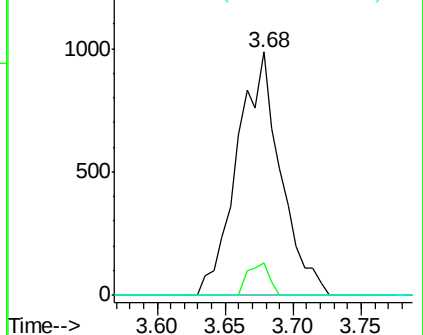
100 0.0 2.1 6.5#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 6.81 ug/l

RT: 4.57 min Scan# 571

Delta R.T. -0.00 min

Lab File: VX016234.D

Acq: 14 May 2020 16:24

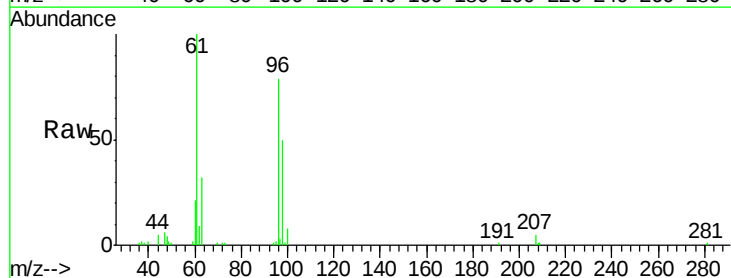
Tgt Ion: 96 Resp: 20814

Ion Ratio Lower Upper

96 100

61 121.4 0.0 296.2

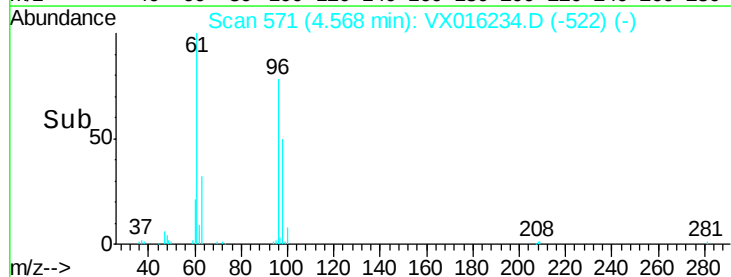
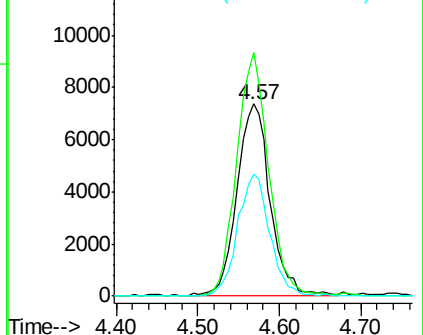
98 61.2 0.0 129.4

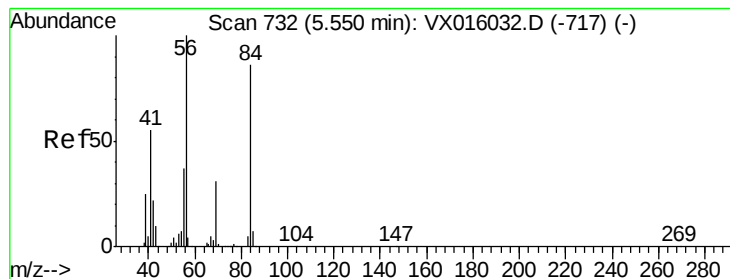


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#31

Cyclohexane

Concen: 1.04 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX016234.D

Acq: 14 May 2020 16:24

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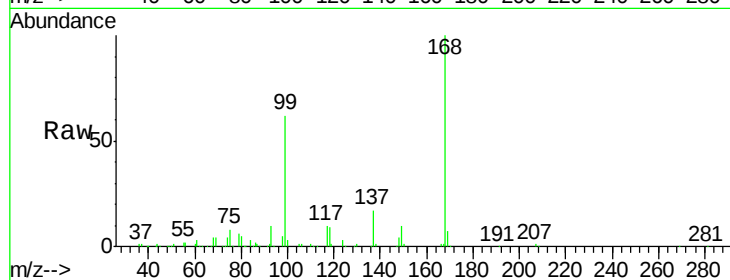
Tgt Ion: 56 Resp: 4576

Ion Ratio Lower Upper

56 100

69 185.8 25.0 37.6#

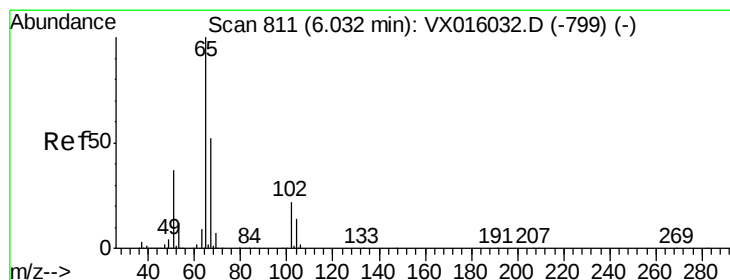
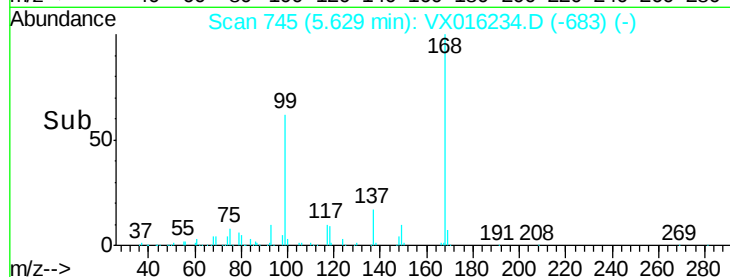
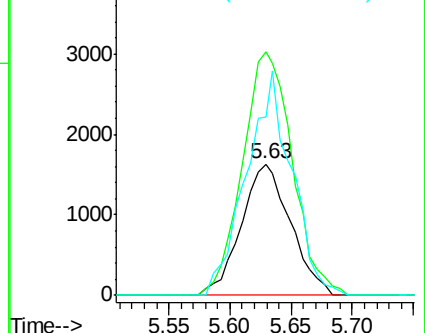
84 136.2 69.0 103.6#



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: 47.60 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016234.D

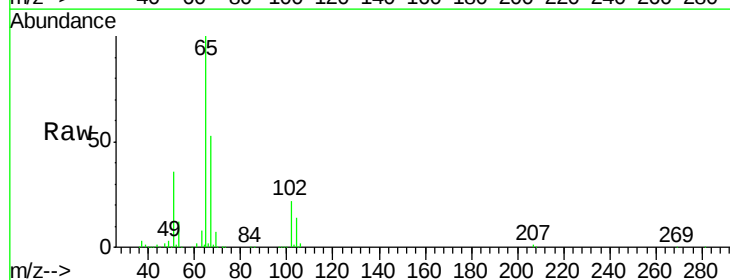
Acq: 14 May 2020 16:24

Tgt Ion: 65 Resp: 151249

Ion Ratio Lower Upper

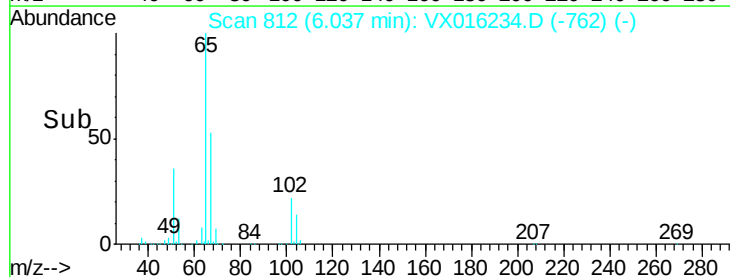
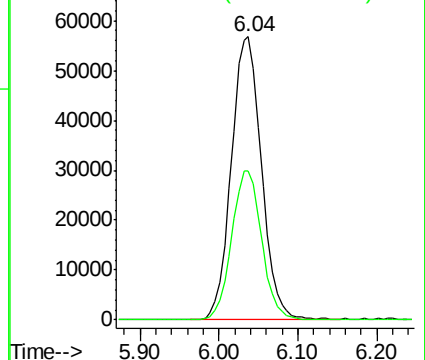
65 100

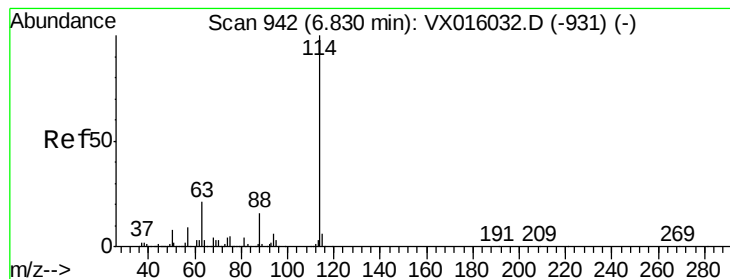
67 52.5 0.0 104.8



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: VX016234.D

Acq: 14 May 2020 16:24

Instrument :

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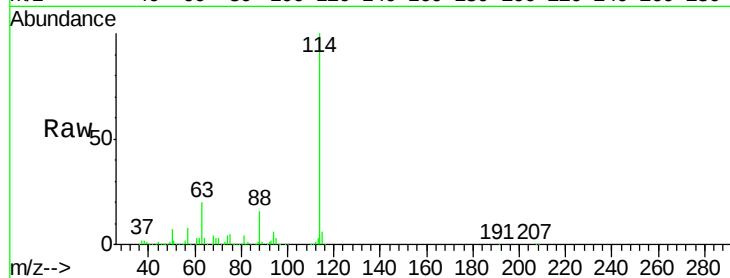
Tgt Ion:114 Resp: 402515

Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.8

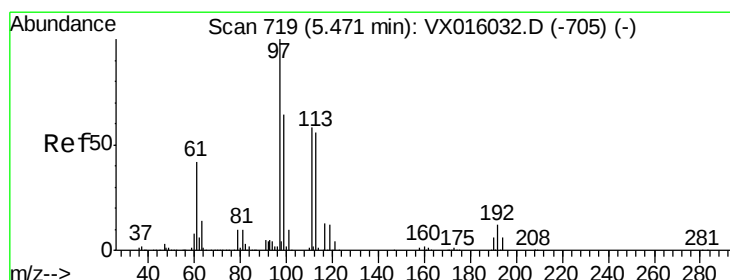
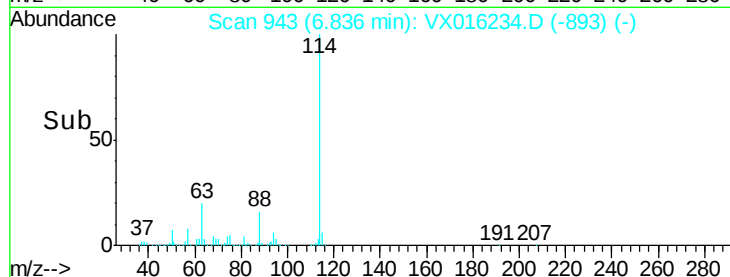
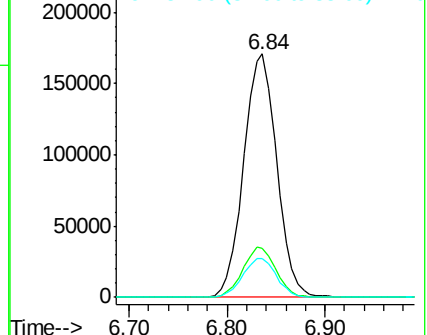
88 15.8 0.0 31.4



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: 47.73 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016234.D

Acq: 14 May 2020 16:24

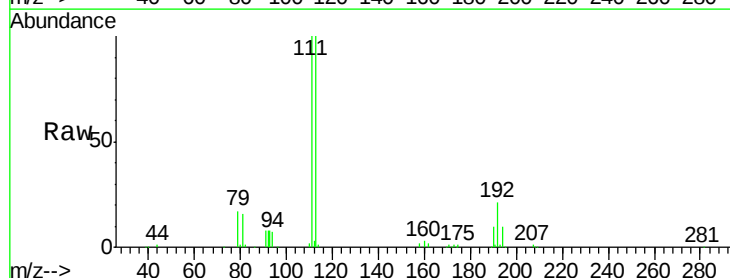
Tgt Ion:113 Resp: 121704

Ion Ratio Lower Upper

113 100

111 102.0 81.6 122.4

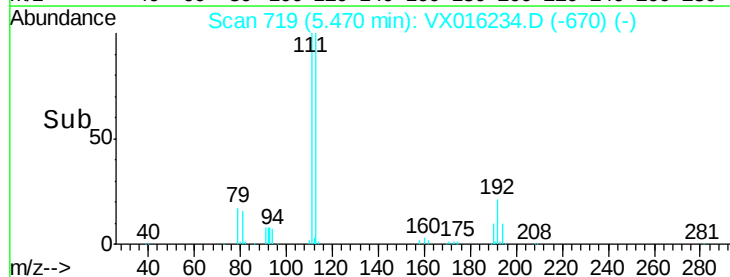
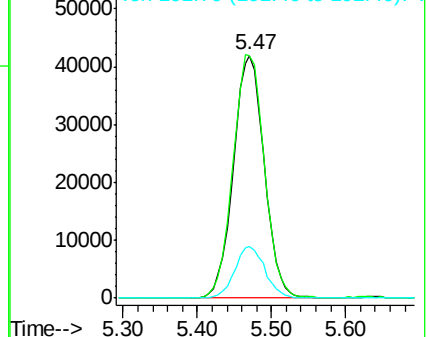
192 20.9 17.0 25.4

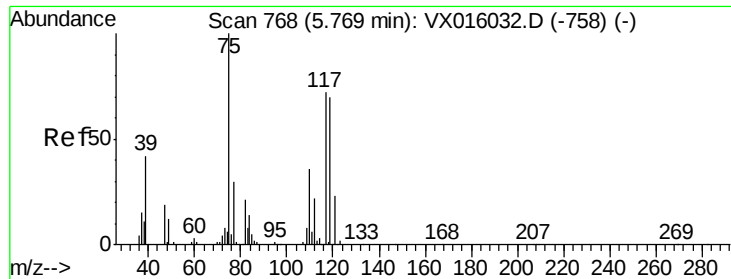


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.50 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX016234.D

Acq: 14 May 2020 16:24

Instrument :

MSVOA_X

ClientSampleId :

SS004MW010-200513

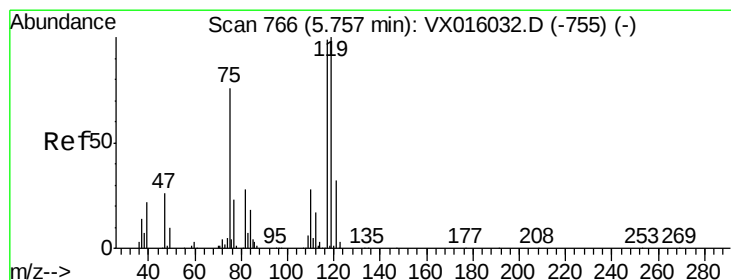
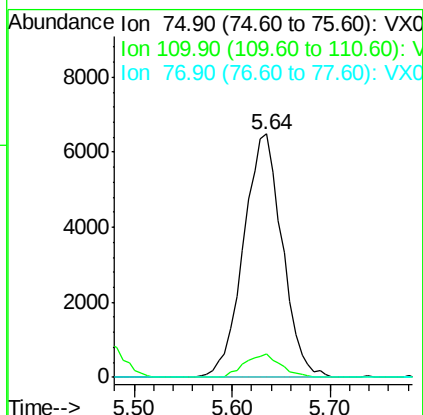
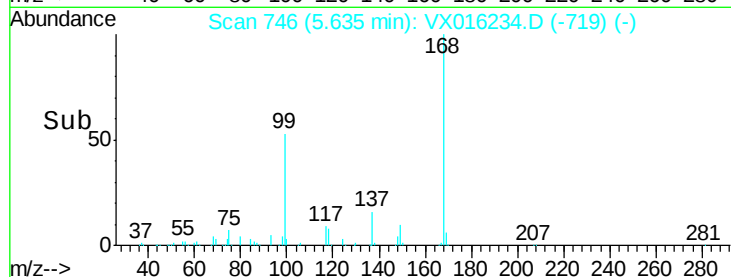
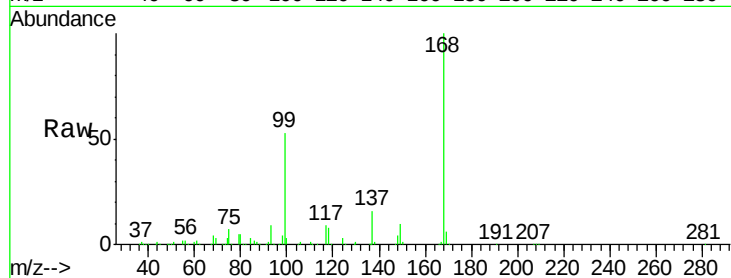
Tgt Ion: 75 Resp: 17825

Ion Ratio Lower Upper

75 100

110 9.0 18.1 54.1#

77 0.0 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.78 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016234.D

Acq: 14 May 2020 16:24

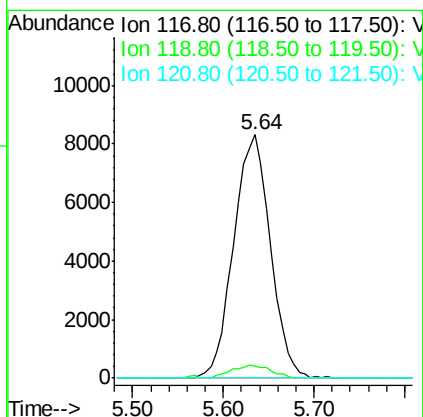
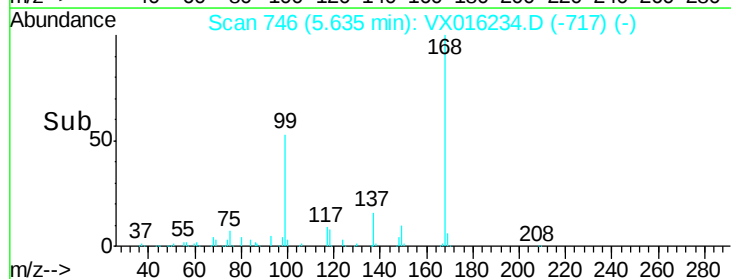
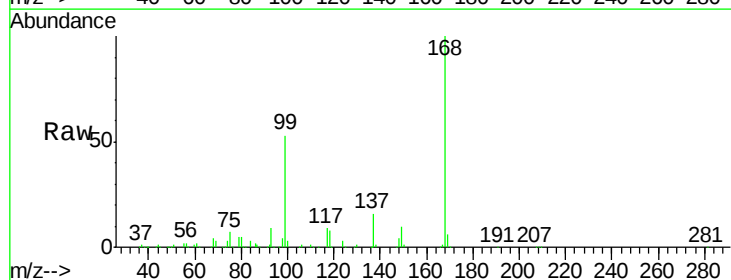
Tgt Ion: 117 Resp: 23259

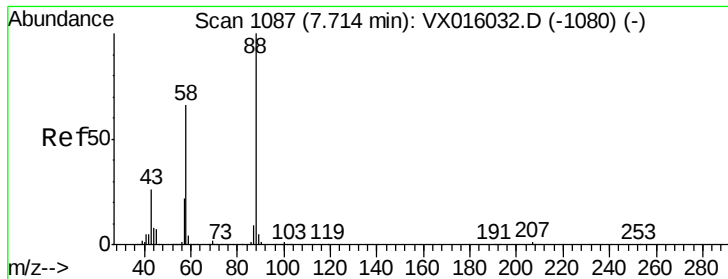
Ion Ratio Lower Upper

117 100

119 4.6 80.3 120.5#

121 0.0 25.7 38.5#





#49

1,4-Dioxane

Concen: 1.49 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX016234.D

Acq: 14 May 2020 16:24

Instrument :

MSVOA_X

ClientSampleId :

SS004MW010-200513

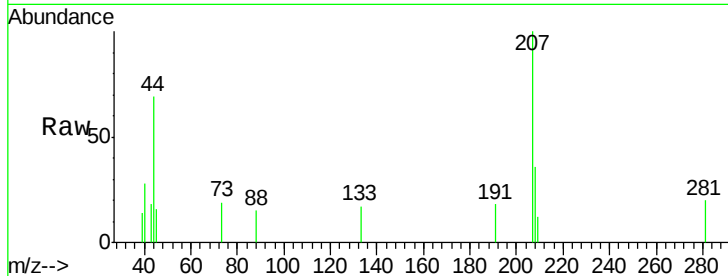
Tgt Ion: 88 Resp: 124

Ion Ratio Lower Upper

88 100

43 0.0 25.3 37.9#

58 0.0 55.9 83.9#

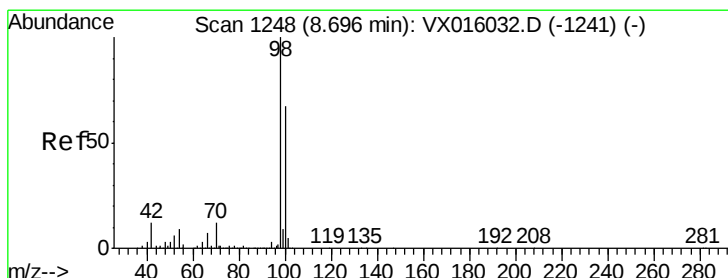
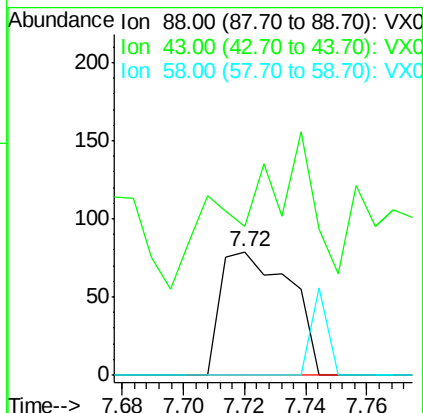
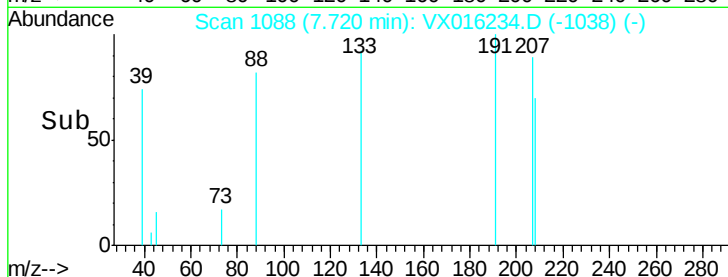


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Time-->



#50

Toluene-d8

Concen: 51.13 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016234.D

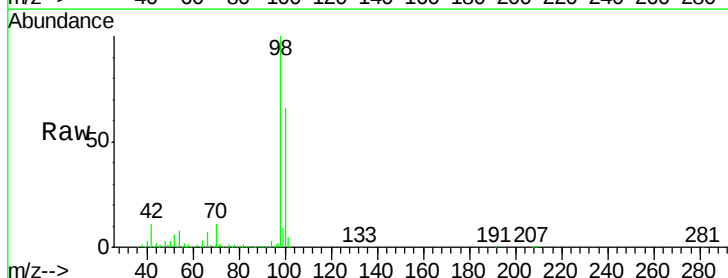
Acq: 14 May 2020 16:24

Tgt Ion: 98 Resp: 502363

Ion Ratio Lower Upper

98 100

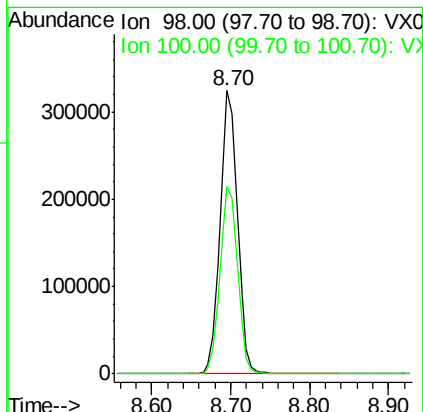
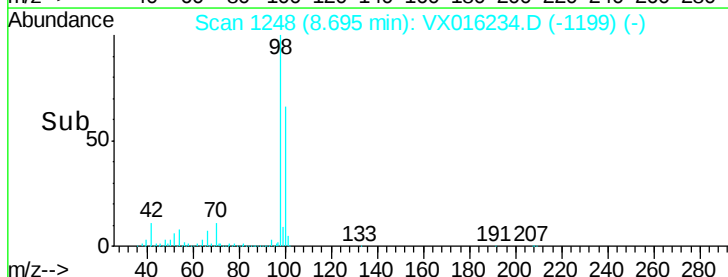
100 66.9 53.7 80.5

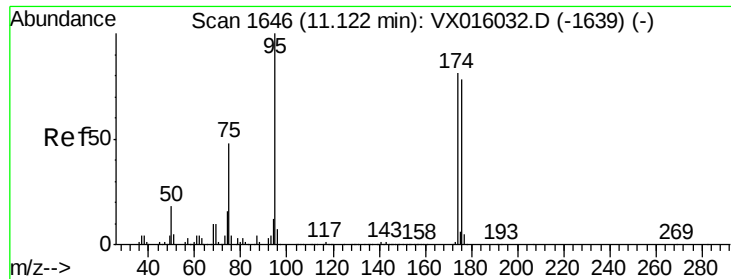


Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

Time-->





#62

4-Bromofluorobenzene

Concen: 53.88 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016234.D

Acq: 14 May 2020 16:24

Instrument :

MSVOA_X

ClientSampleId :

SS004MW010-200513

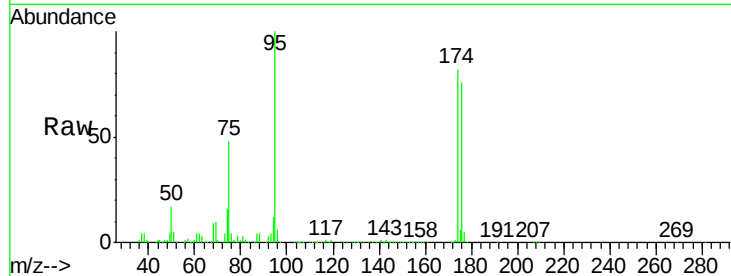
Tgt Ion: 95 Resp: 201369

Ion Ratio Lower Upper

95 100

174 80.5 0.0 159.4

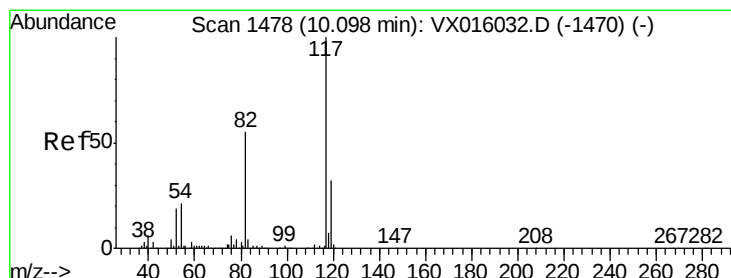
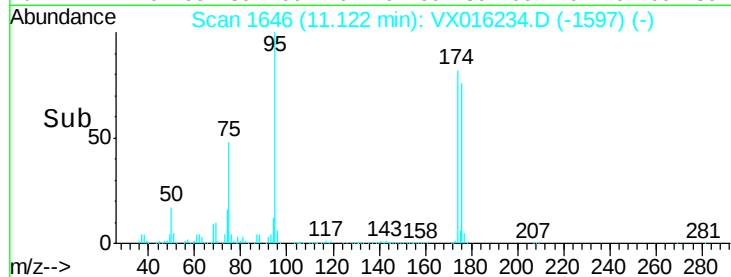
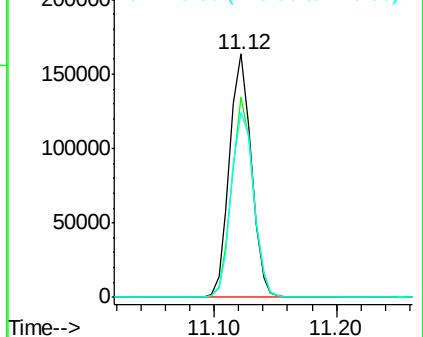
176 78.4 0.0 157.6



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: 50.00 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016234.D

Acq: 14 May 2020 16:24

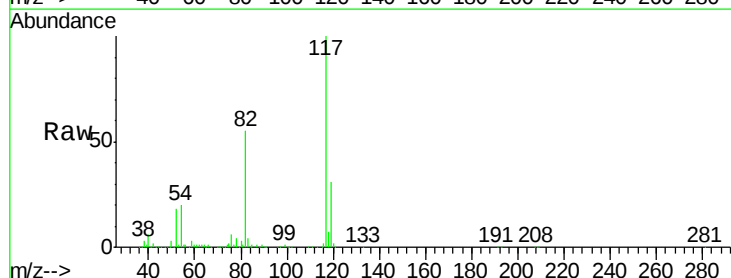
Tgt Ion: 117 Resp: 402831

Ion Ratio Lower Upper

117 100

82 55.5 44.4 66.6

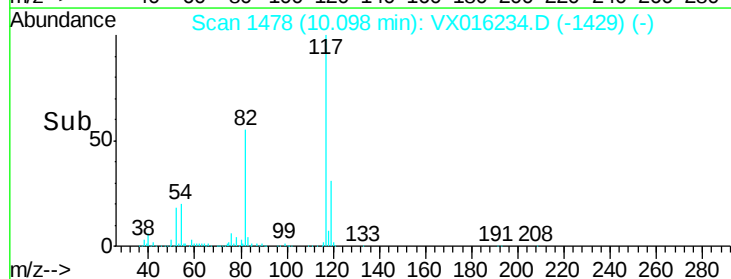
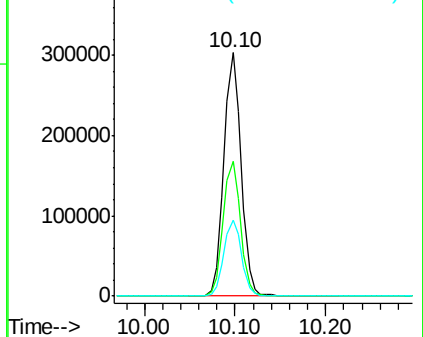
119 31.4 25.5 38.3

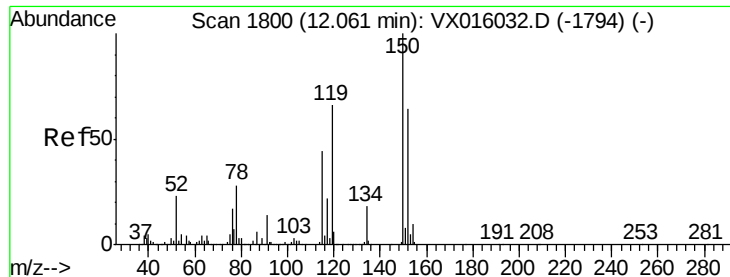


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016234.D

Acq: 14 May 2020 16:24

Instrument :

MSVOA_X

ClientSampleId :

SS004MW010-200513

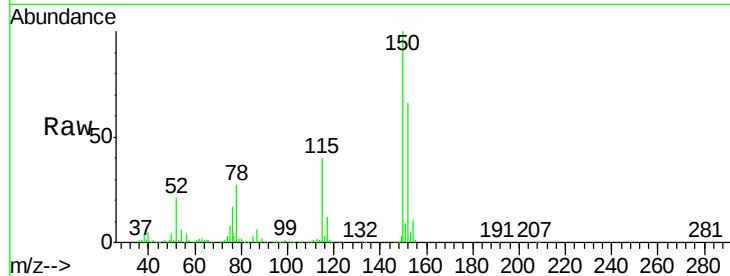
Tgt Ion: 152 Resp: 205619

Ion Ratio Lower Upper

152 100

115 58.3 41.3 124.1

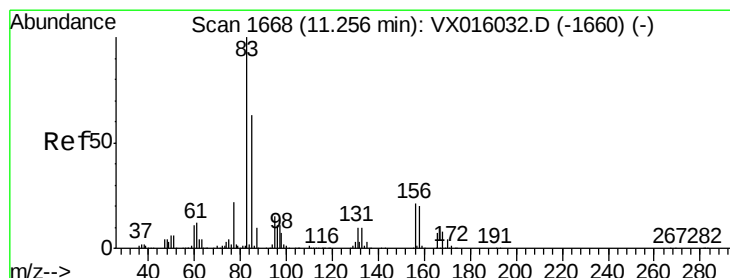
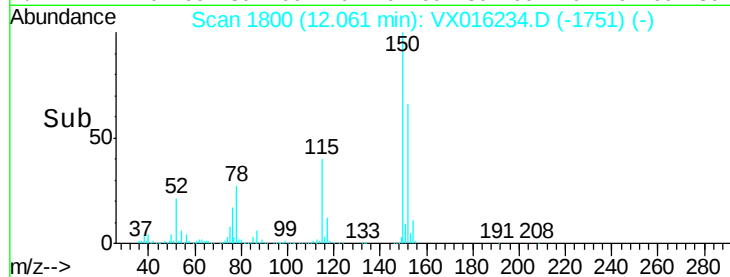
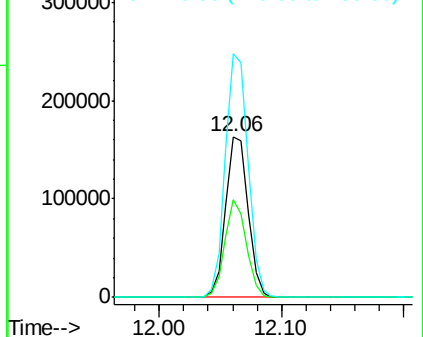
150 154.4 0.0 352.2



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: 2.06 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.01 min

Lab File: VX016234.D

Acq: 14 May 2020 16:24

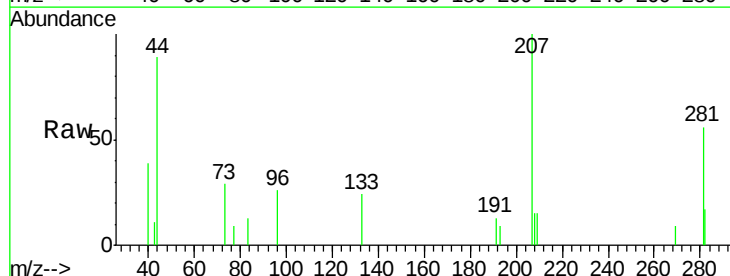
Tgt Ion: 83 Resp: 28

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.4#

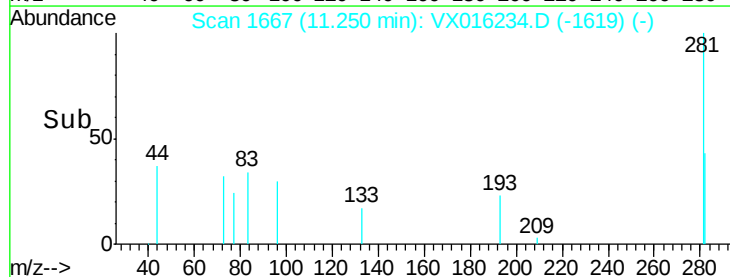
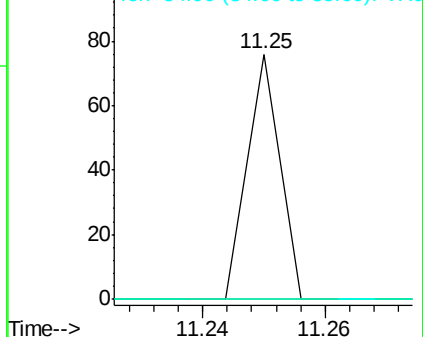
85 0.0 32.0 96.0#

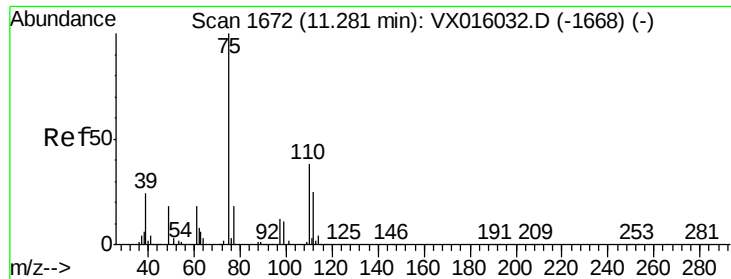


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 21.22 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016234.D

Acq: 14 May 2020 16:24

Instrument :

MSVOA_X

ClientSampleId :

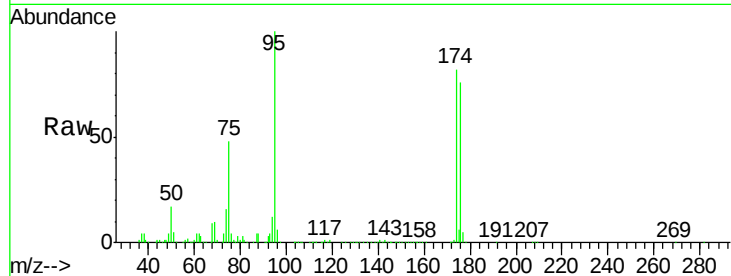
SS004MW010-200513

Tgt Ion: 75 Resp: 98995

Ion Ratio Lower Upper

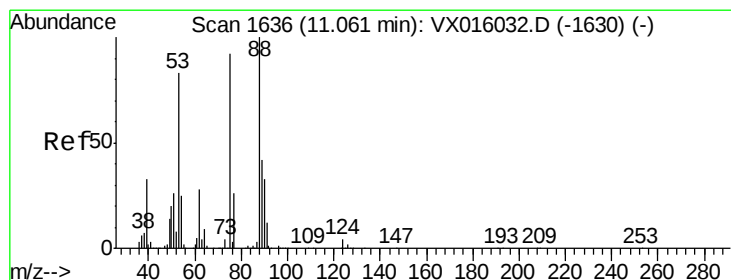
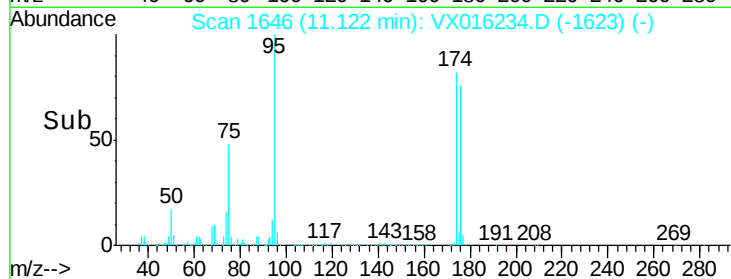
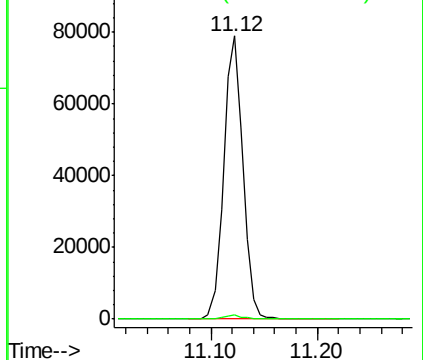
75 100

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: 50.56 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016234.D

Acq: 14 May 2020 16:24

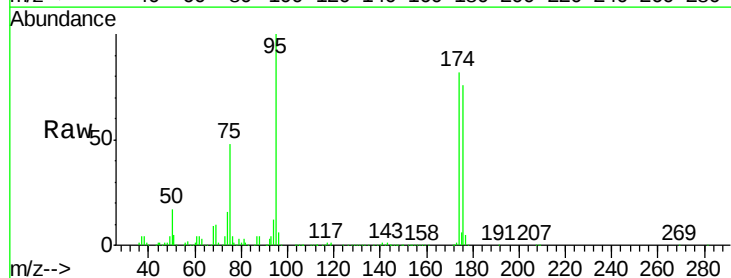
Tgt Ion: 75 Resp: 98995

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

