

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052220\
 Data File : VX016406.D
 Acq On : 22 May 2020 12:57
 Operator : JC/SP
 Sample : L2728-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 23 01:34:36 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	224414	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	371476	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	369549	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	183071	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	129450	43.84	ug/l	0.00
Spiked Amount			Recovery	=	87.68%	
35) Dibromofluoromethane	5.47	113	108873	46.26	ug/l	0.00
Spiked Amount			Recovery	=	92.52%	
50) Toluene-d8	8.70	98	465058	51.29	ug/l	0.00
Spiked Amount			Recovery	=	102.58%	
62) 4-Bromofluorobenzene	11.12	95	183433	53.18	ug/l	0.00
Spiked Amount			Recovery	=	106.36%	

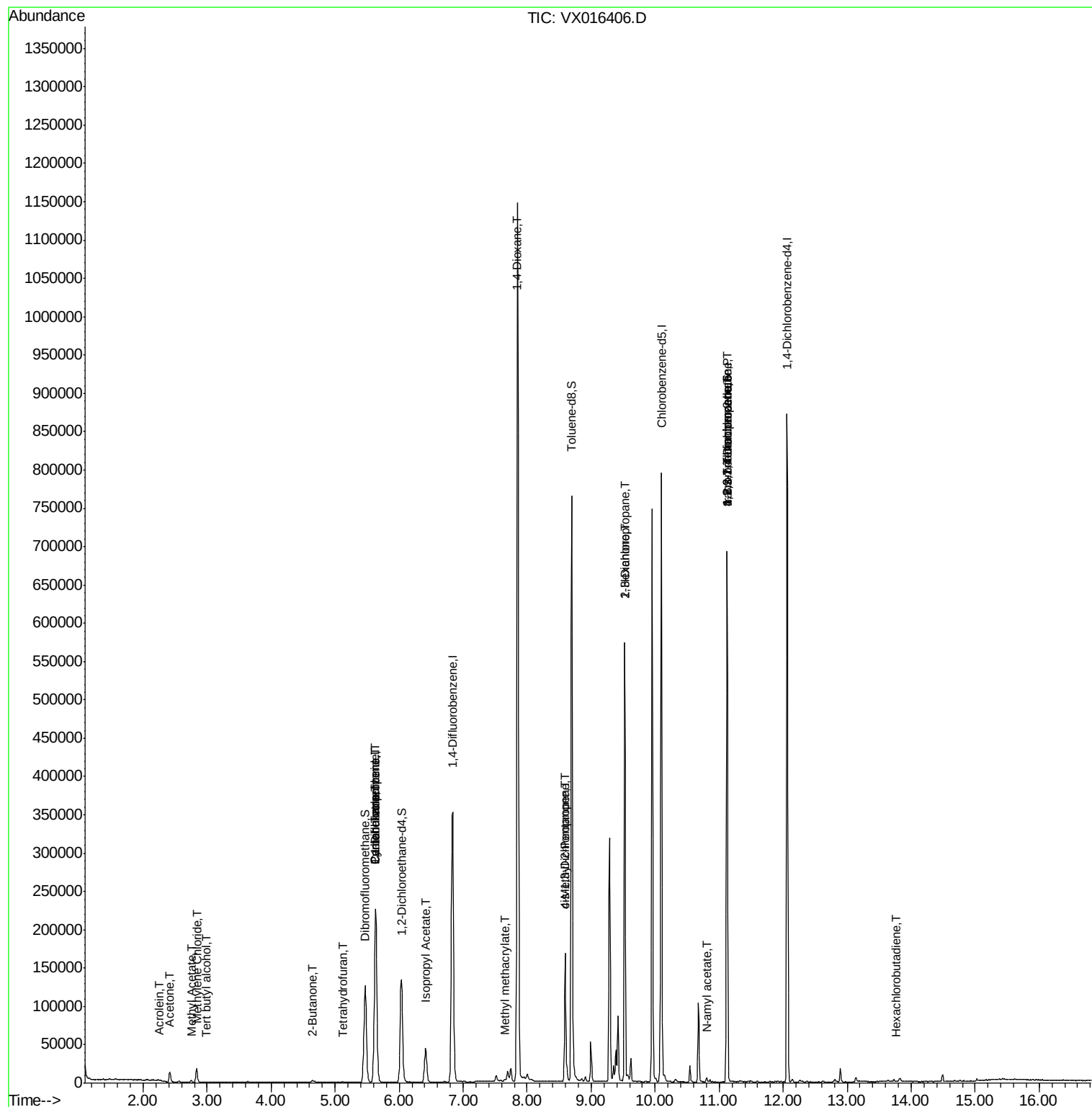
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.00	59	478	0.640	ug/l #	72
13) Acrolein	2.26	56	308	0.659	ug/l #	69
16) Acetone	2.42	43	13728	10.419	ug/l	99
17) Carbon Disulfide	2.55	76	832	Below Cal	#	77
18) Methyl Acetate	2.75	43	2818	0.870	ug/l	98
20) Methylene Chloride	2.84	84	8742	3.218	ug/l	89
25) 2-Butanone	4.65	43	2487	1.171	ug/l	94
29) Tetrahydrofuran	5.12	42	875	0.622	ug/l #	74
31) Cyclohexane	5.63	56	3869	0.943	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	15914	4.352	ug/l #	49
38) Carbon Tetrachloride	5.63	117	21827	5.873	ug/l #	14
43) Isopropyl Acetate	6.42	43	59832	8.848	ug/l	95
48) Methyl methacrylate	7.65	41	3519	1.098	ug/l #	14
49) 1,4-Dioxane	7.85	88	195	2.537	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	56013	13.536	ug/l #	46
54) cis-1,3-Dichloropropene	8.59	75	29558	6.334	ug/l #	55
57) 1,3-Dichloropropane	9.52	76	5252	1.147	ug/l #	45
59) 2-Hexanone	9.52	43	58825	18.102	ug/l #	51
74) N-amyl acetate	10.80	43	2902	0.467	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	11.13	83	95	2.087	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	86407	20.799	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	86407	49.567	ug/l #	13
94) Hexachlorobutadiene	13.76	225	87	0.569	ug/l #	53

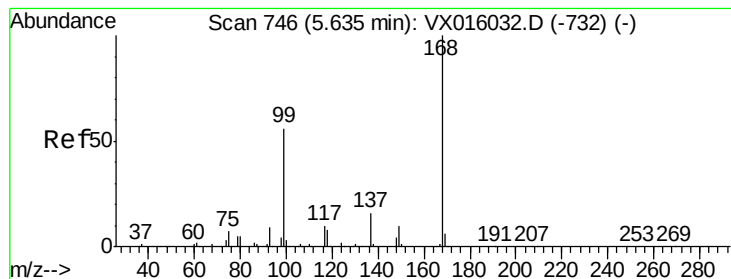
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX052220\
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ClientSampleId :

Quant Time: May 23 01:34:36 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: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016406.D

Acq: 22 May 2020 12:57

Instrument :

MSVOA_X

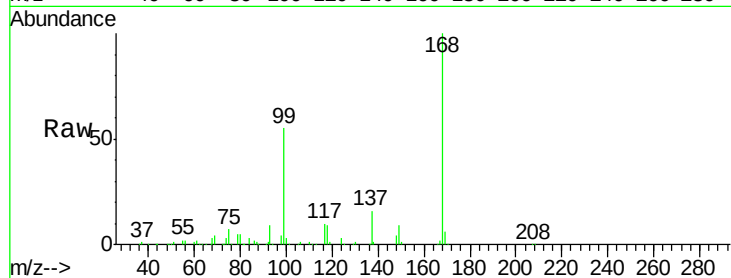
ClientSampleId :

Tot Ion:168 Resp: 224414

Ion Ratio Lower Upper

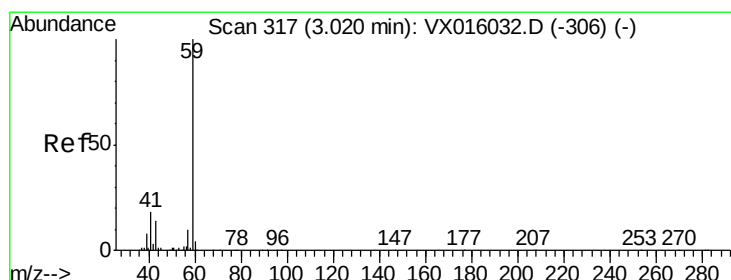
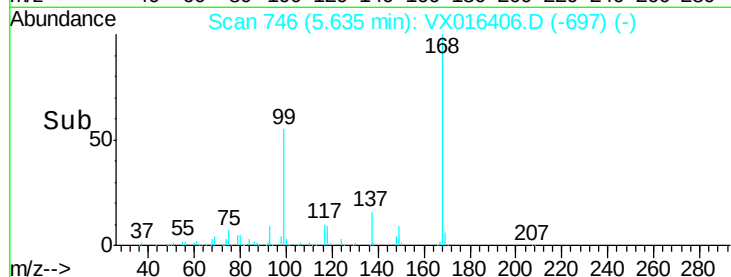
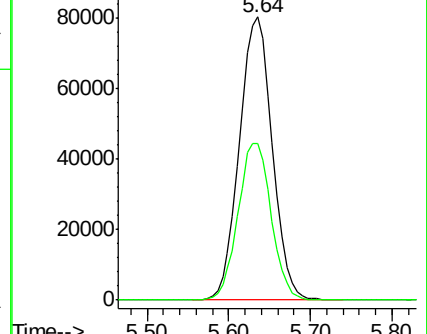
168 100

99 55.2 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 0.640 ug/l

RT: 3.00 min Scan# 313

Delta R.T. -0.02 min

Lab File: VX016406.D

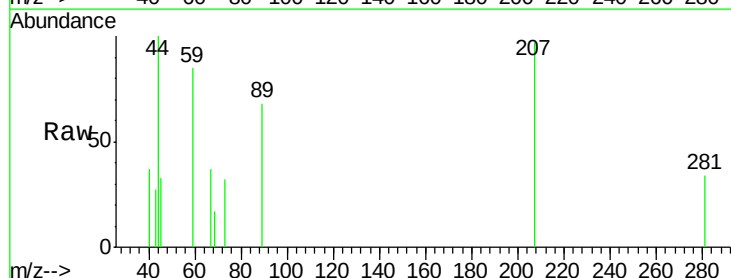
Acq: 22 May 2020 12:57

Tgt Ion: 59 Resp: 478

Ion Ratio Lower Upper

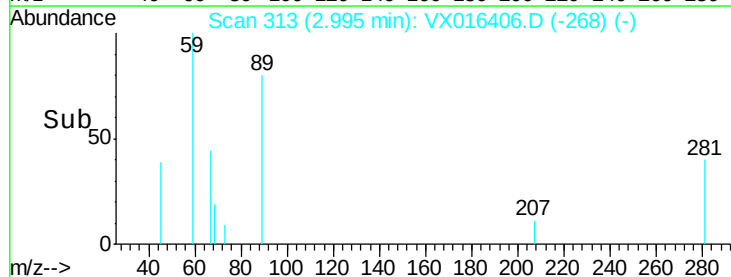
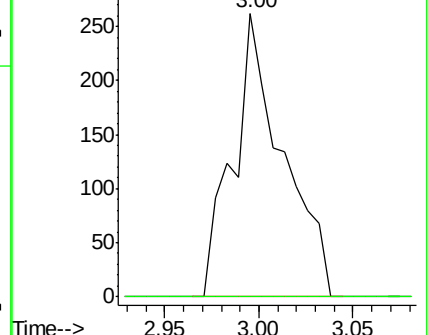
59 100

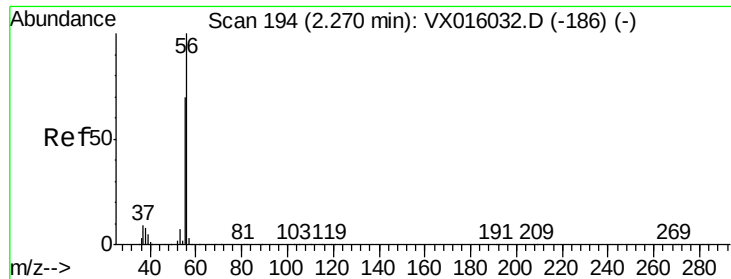
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

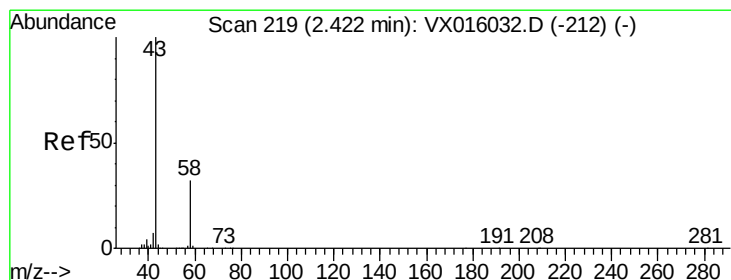
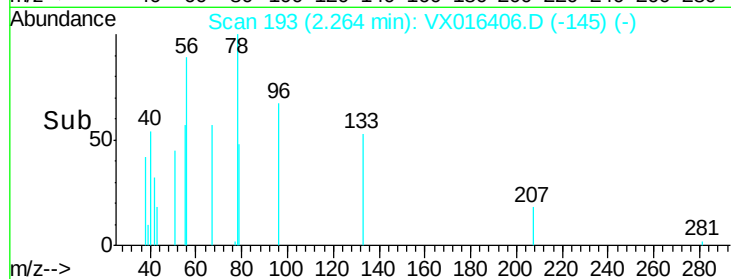
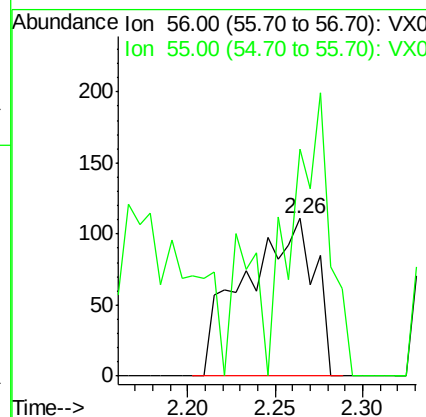
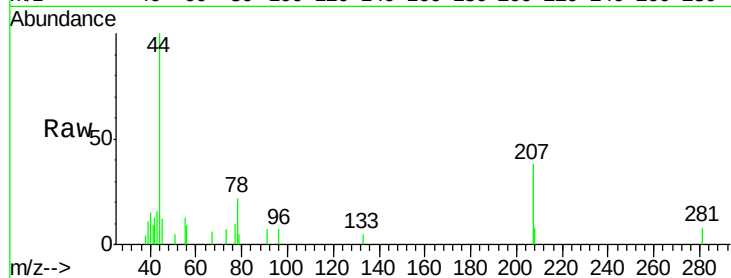




#13
Acrolein
Concen: 0.659 ug/l
RT: 2.26 min Scan# 193
Delta R.T. -0.01 min
Lab File: VX016406.D
Acq: 22 May 2020 12:57

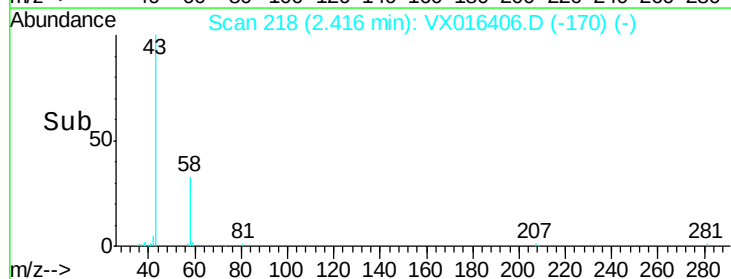
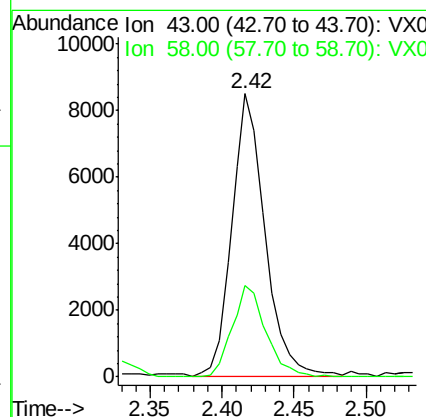
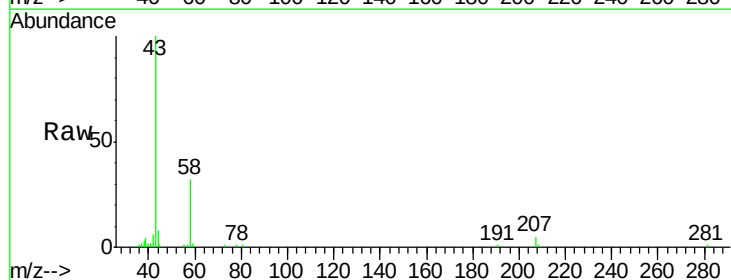
Instrument :
MSVOA_X
ClientSampled :

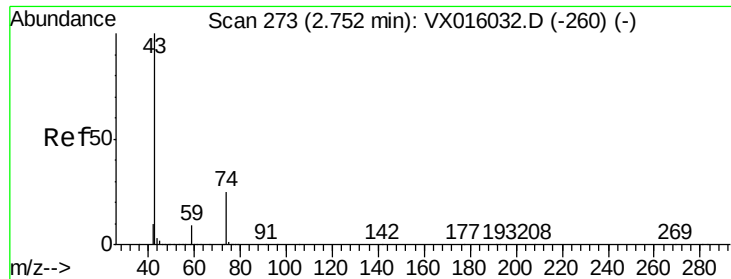
Tot Ion: 56 Resp: 308
Ion Ratio Lower Upper
56 100
55 96.1 56.5 84.7#



#16
Acetone
Concen: 10.419 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX016406.D
Acq: 22 May 2020 12:57

Tgt Ion: 43 Resp: 13728
Ion Ratio Lower Upper
43 100
58 32.2 25.4 38.0

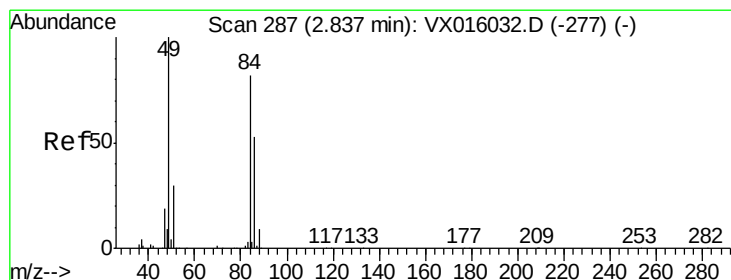
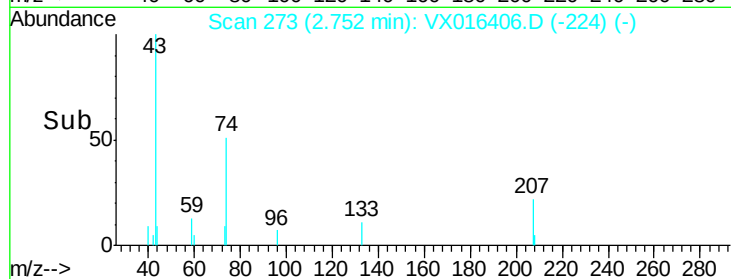
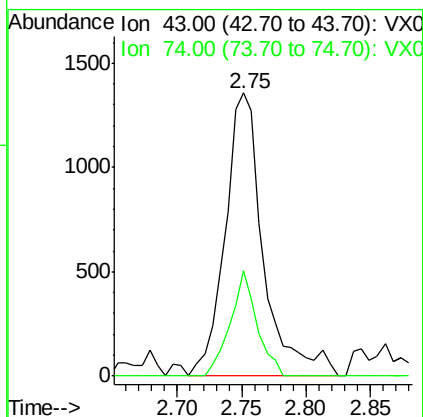
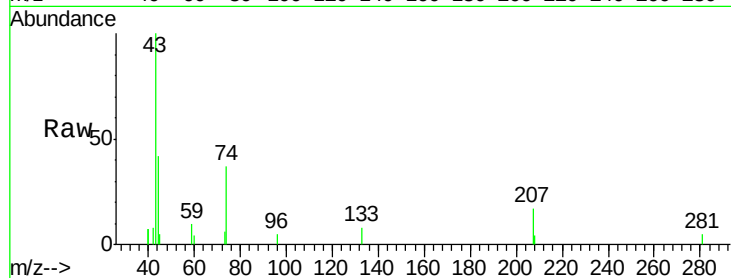




#18
Methyl Acetate
Concen: 0.870 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX016406.D
Acq: 22 May 2020 12:57

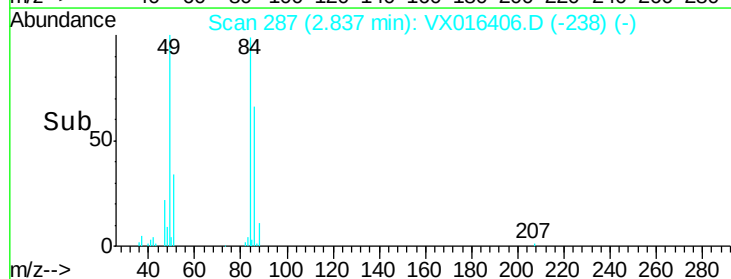
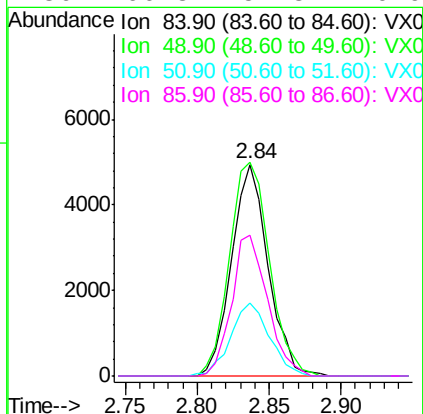
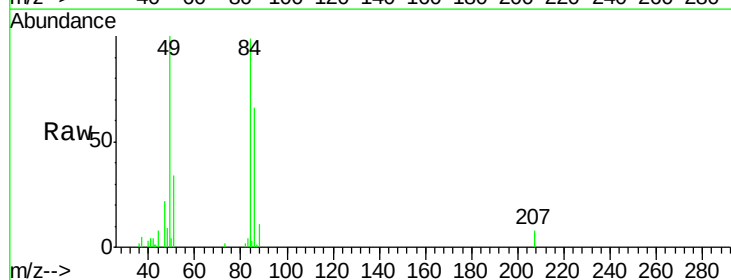
Instrument :
MSVOA_X
ClientSampled :

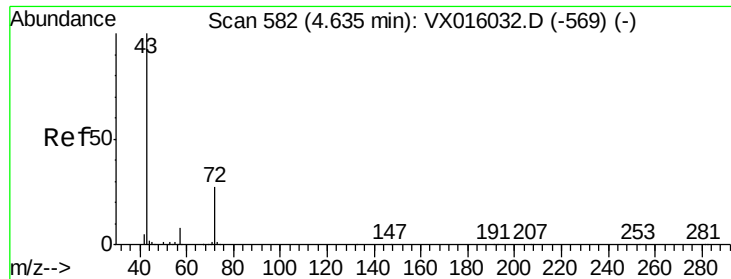
Tot Ion: 43 Resp: 2818
Ion Ratio Lower Upper
43 100
74 26.2 20.2 30.2



#20
Methylene Chloride
Concen: 3.218 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX016406.D
Acq: 22 May 2020 12:57

Tgt Ion: 84 Resp: 8742
Ion Ratio Lower Upper
84 100
49 100.8 97.3 145.9
51 34.7 29.3 43.9
86 66.3 51.3 76.9





#25

2-Butanone

Concen: 1.171 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX016406.D

Acq: 22 May 2020 12:57

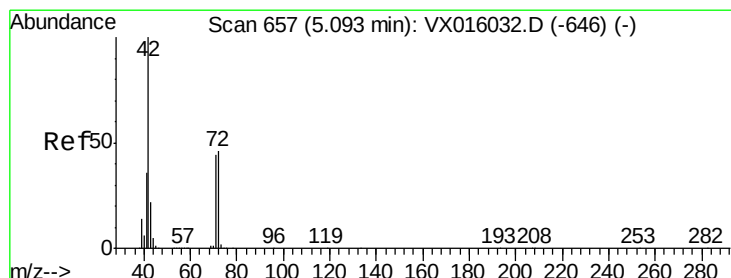
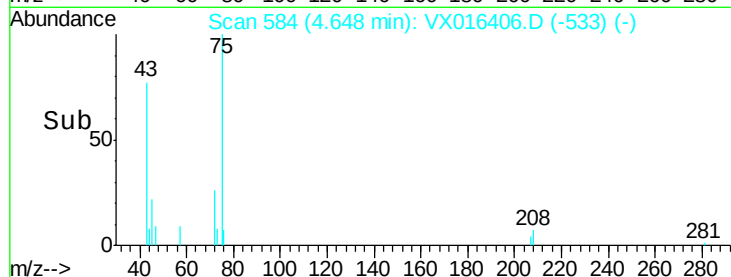
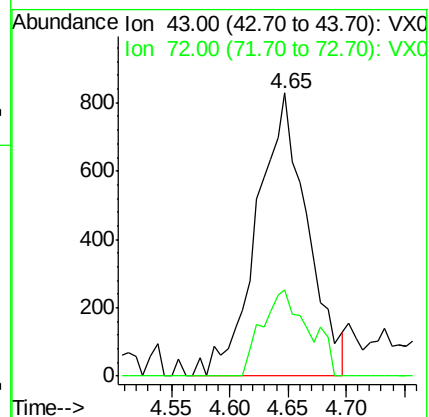
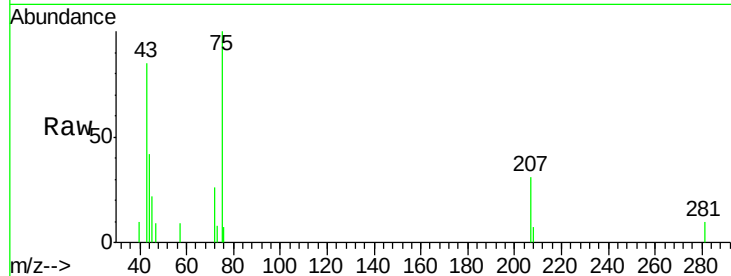
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 2487

Ion Ratio Lower Upper

43 100

72 30.7 21.8 32.8



#29

Tetrahydrofuran

Concen: 0.622 ug/l

RT: 5.12 min Scan# 661

Delta R.T. 0.02 min

Lab File: VX016406.D

Acq: 22 May 2020 12:57

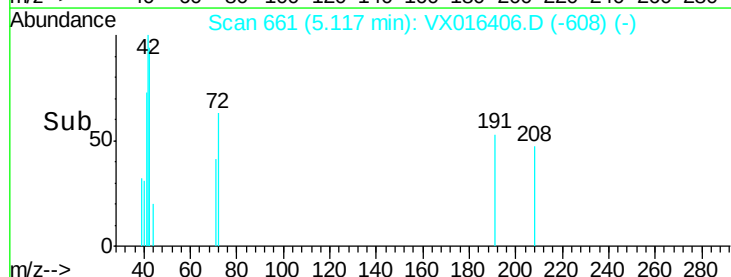
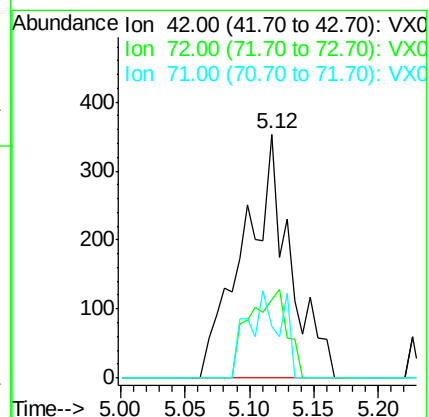
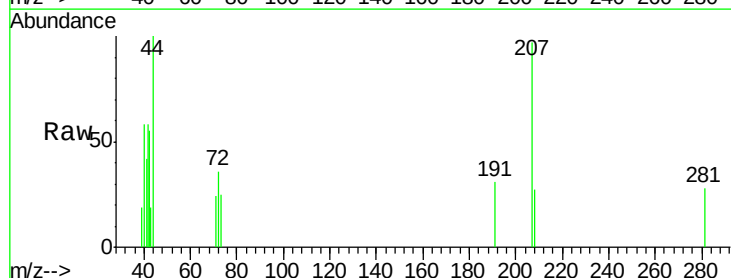
Tgt Ion: 42 Resp: 875

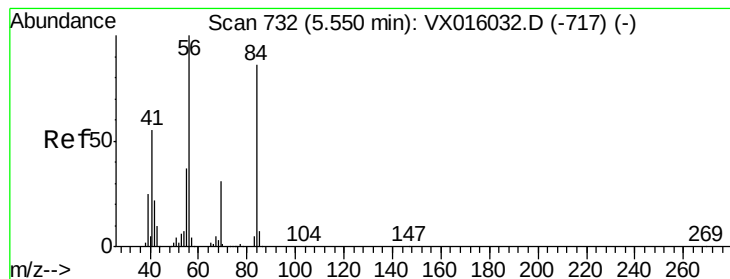
Ion Ratio Lower Upper

42 100

72 29.8 37.1 55.7#

71 25.7 34.5 51.7#





#31

Cyclohexane

Concen: 0.943 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX016406.D

Acq: 22 May 2020 12:57

Instrument :

MSVOA_X

ClientSampleId :

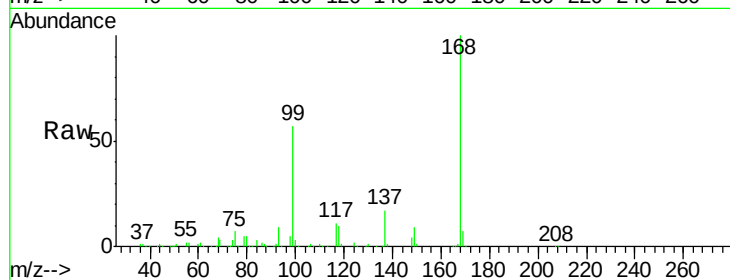
Tot Ion: 56 Resp: 3869

Ion Ratio Lower Upper

56 100

69 176.7 25.0 37.6#

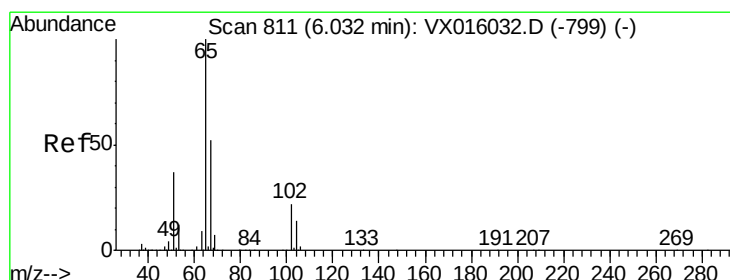
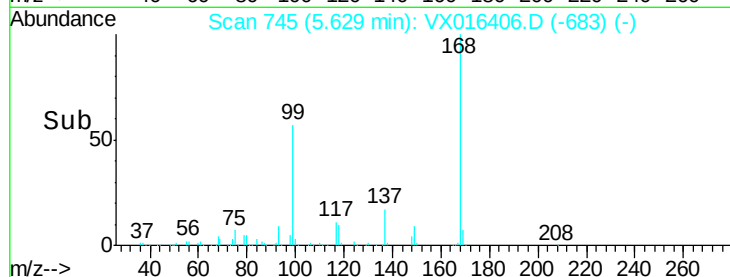
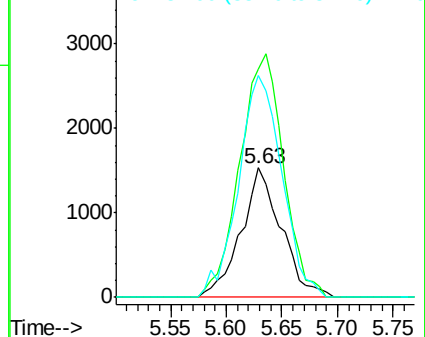
84 171.4 69.0 103.6#



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: 43.836 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016406.D

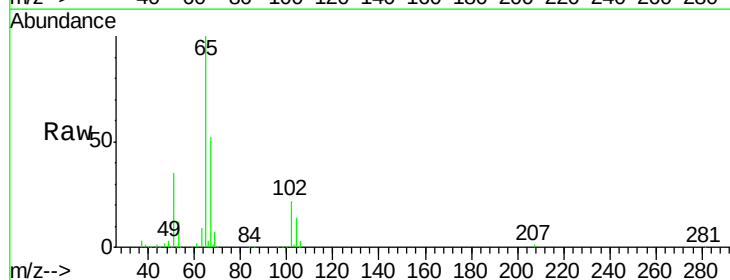
Acq: 22 May 2020 12:57

Tgt Ion: 65 Resp: 129450

Ion Ratio Lower Upper

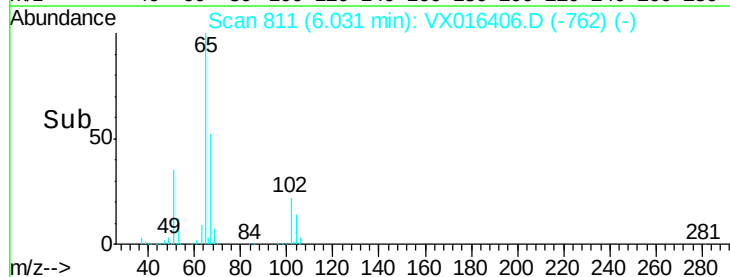
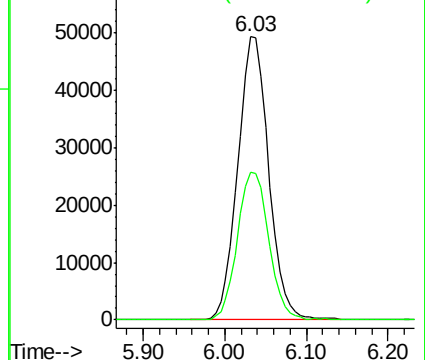
65 100

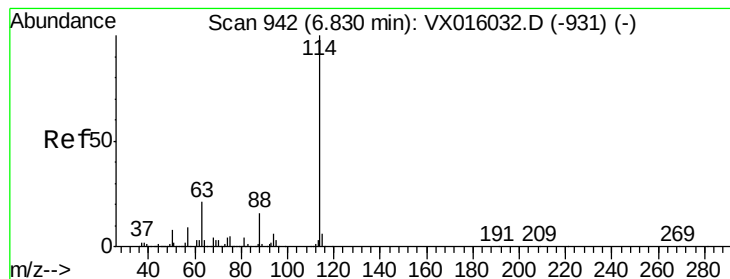
67 53.0 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016406.D

Acq: 22 May 2020 12:57

Instrument :

MSVOA_X

ClientSampleId :

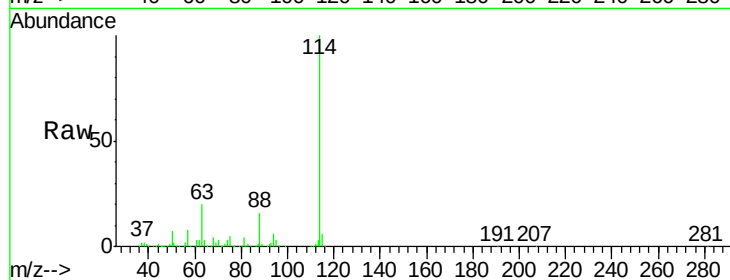
Tot Ion:114 Resp: 371476

Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.8

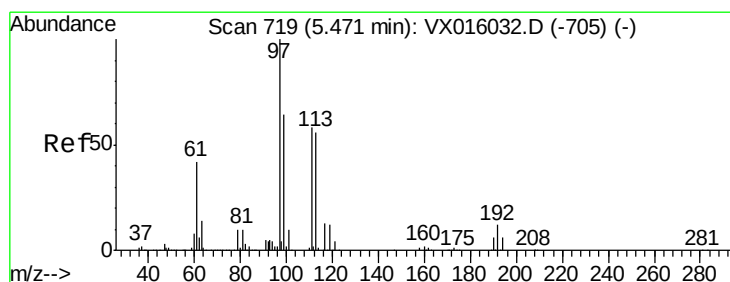
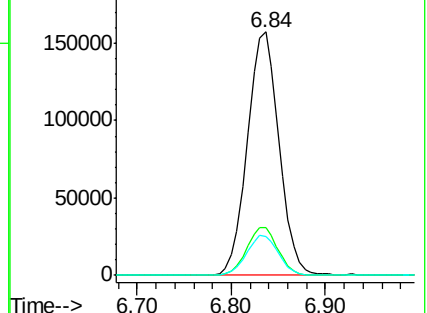
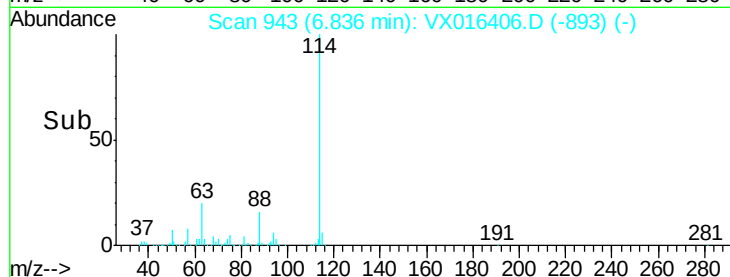
88 15.9 0.0 31.4



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: 46.261 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016406.D

Acq: 22 May 2020 12:57

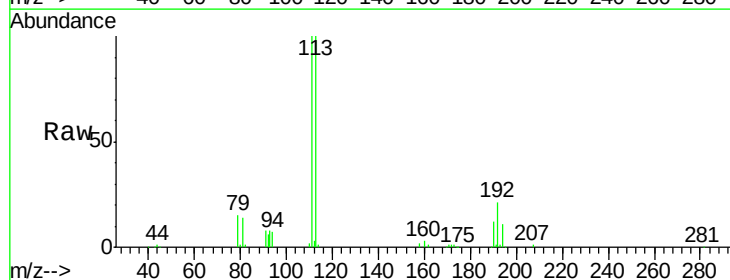
Tgt Ion:113 Resp: 108873

Ion Ratio Lower Upper

113 100

111 103.7 81.6 122.4

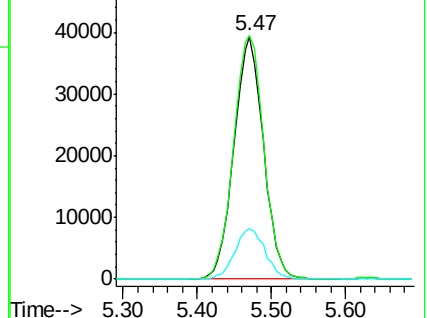
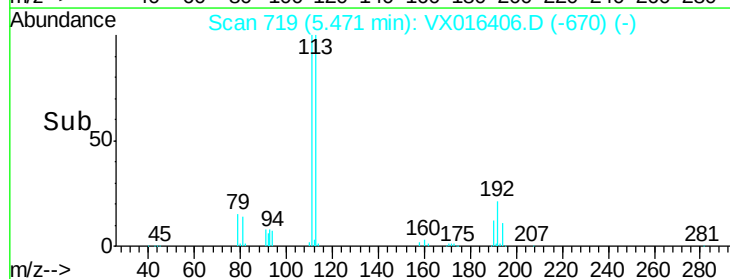
192 21.4 17.0 25.4

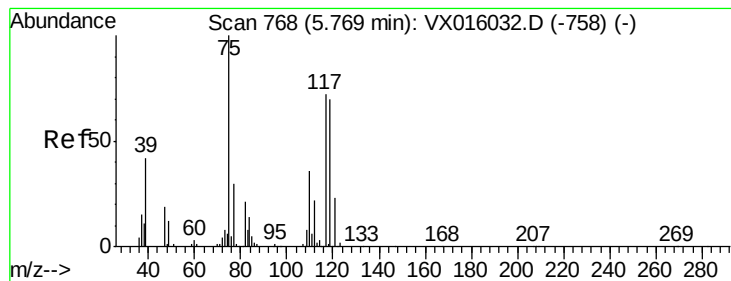


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.352 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016406.D

Acq: 22 May 2020 12:57

Instrument :

MSVOA_X

ClientSampleId :

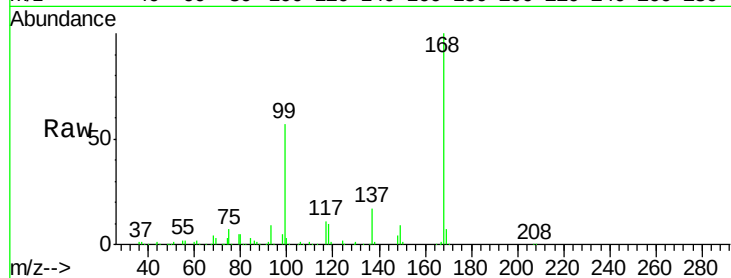
Tot Ion: 75 Resp: 15914

Ion Ratio Lower Upper

75 100

110 8.9 18.1 54.1#

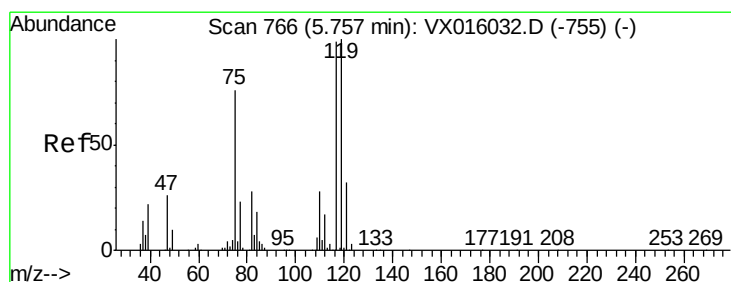
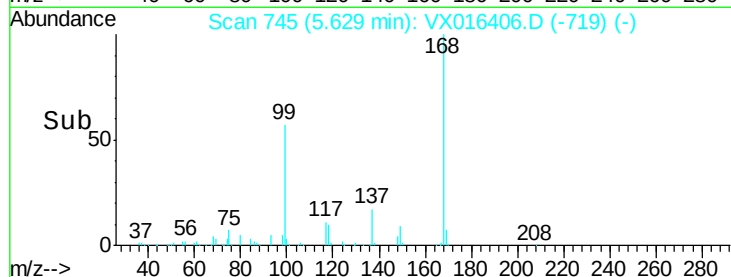
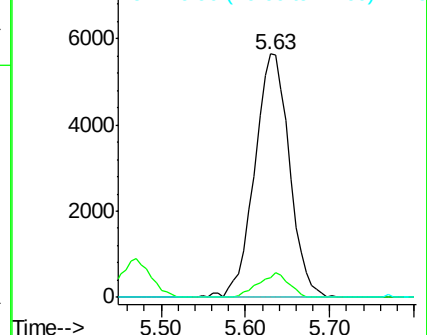
77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VX016406.D (-719) (-)

Ion 109.90 (109.60 to 110.60): VX016406.D (-719) (-)

Ion 76.90 (76.60 to 77.60): VX016406.D (-719) (-)



#38

Carbon Tetrachloride

Concen: 5.873 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016406.D

Acq: 22 May 2020 12:57

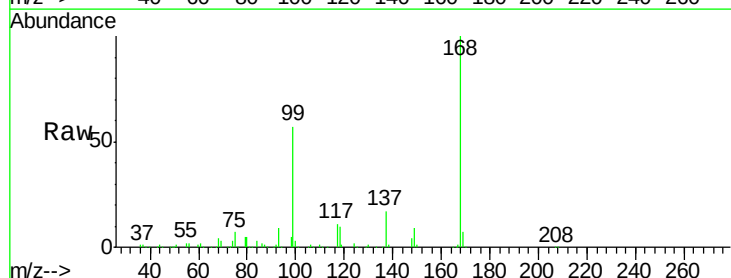
Tgt Ion: 117 Resp: 21827

Ion Ratio Lower Upper

117 100

119 5.1 80.3 120.5#

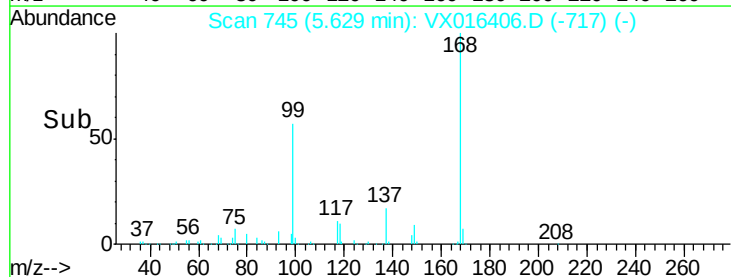
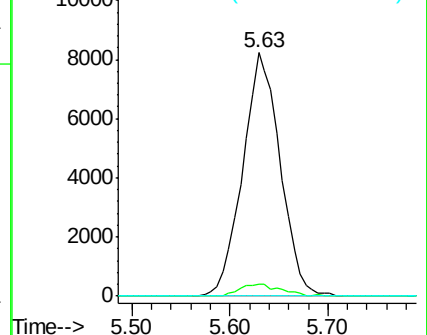
121 0.0 25.7 38.5#

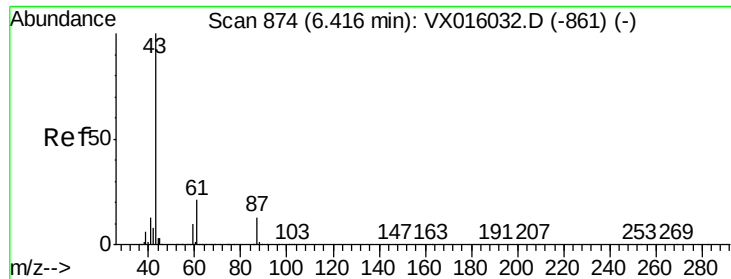


Abundance Ion 116.80 (116.50 to 117.50): VX016406.D (-717) (-)

Ion 118.80 (118.50 to 119.50): VX016406.D (-717) (-)

Ion 120.80 (120.50 to 121.50): VX016406.D (-717) (-)





#43

Isopropyl Acetate

Concen: 8.848 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX016406.D

Acq: 22 May 2020 12:57

Instrument :

MSVOA_X

ClientSampleId :

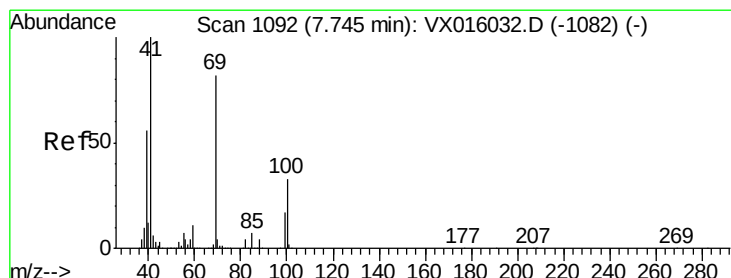
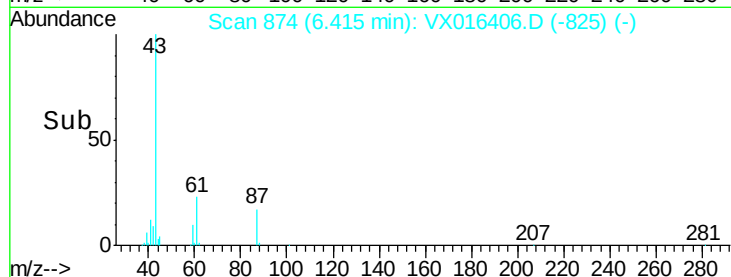
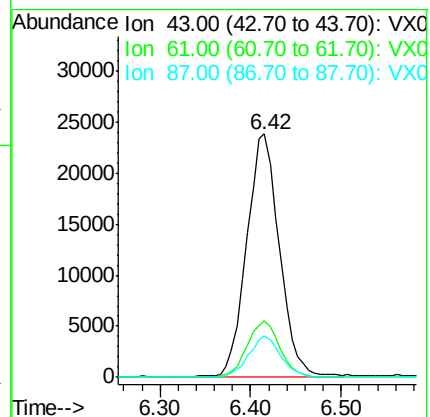
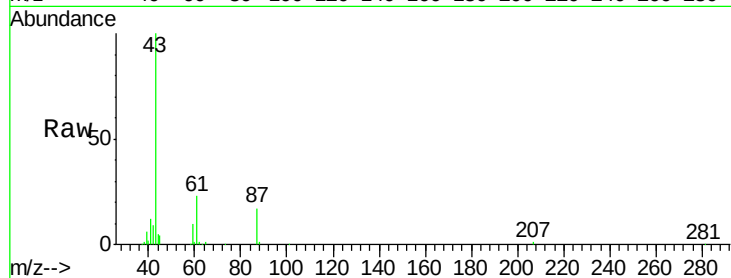
Tot Ion: 43 Resp: 59832

Ion Ratio Lower Upper

43 100

61 23.0 17.0 25.4

87 16.4 11.0 16.6



#48

Methyl methacrylate

Concen: 1.098 ug/l

RT: 7.65 min Scan# 1077

Delta R.T. -0.09 min

Lab File: VX016406.D

Acq: 22 May 2020 12:57

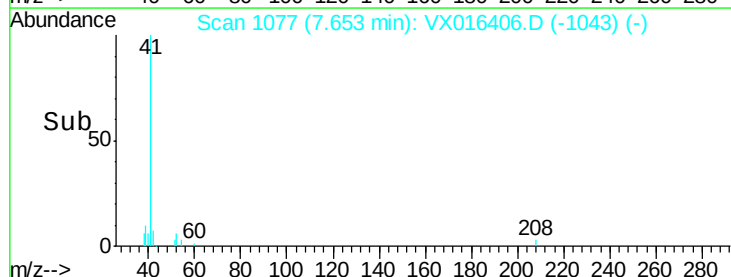
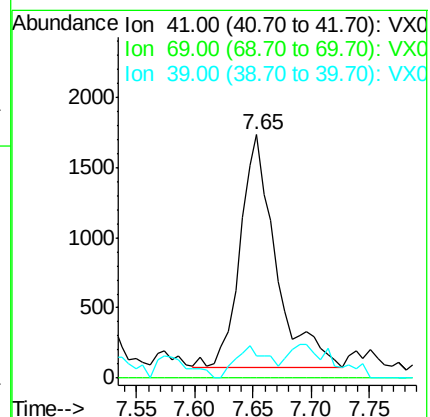
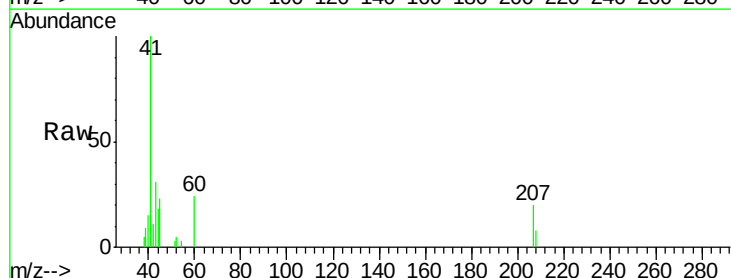
Tgt Ion: 41 Resp: 3519

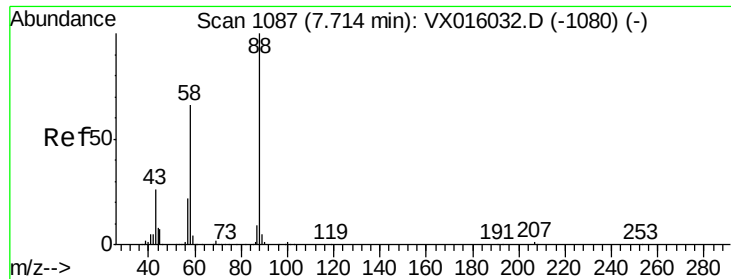
Ion Ratio Lower Upper

41 100

69 0.0 67.8 101.6#

39 0.0 44.6 67.0#





#49

1,4-Dioxane

Concen: 2.537 ug/l

RT: 7.85 min Scan# 1109

Delta R.T. 0.13 min

Lab File: VX016406.D

Acq: 22 May 2020 12:57

Instrument :

MSVOA_X

ClientSampleId :

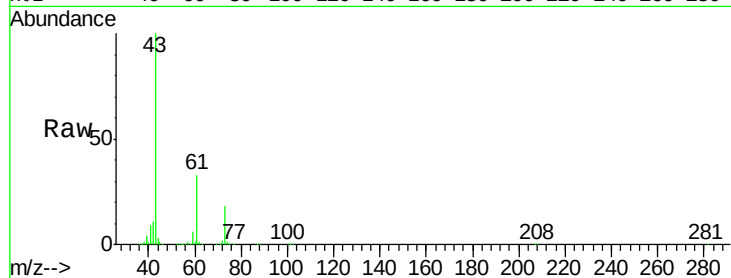
Tot Ion: 88 Resp: 195

Ion Ratio Lower Upper

88 100

43 527594.4 25.3 37.9#

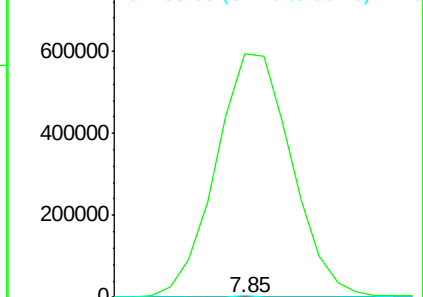
58 2311.3 55.9 83.9#



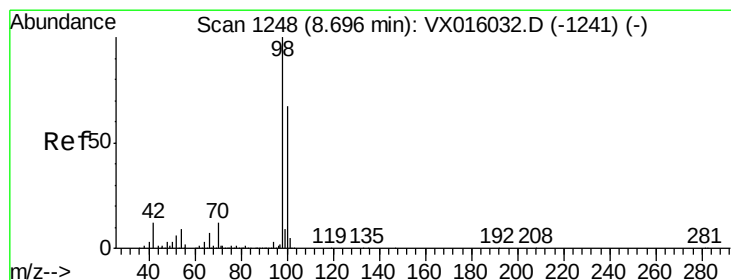
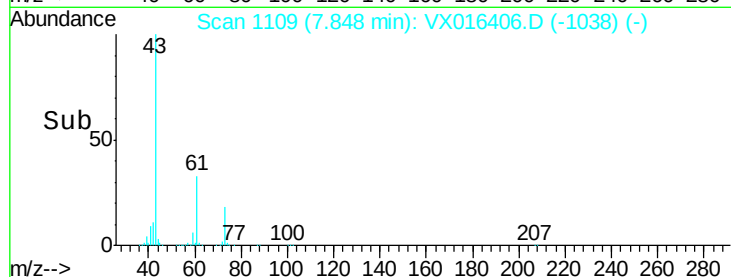
Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#50

Toluene-d8

Concen: 51.285 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016406.D

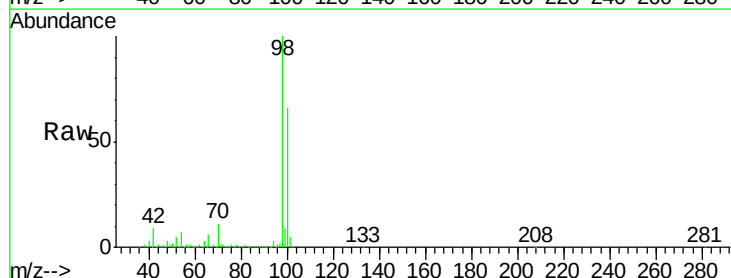
Acq: 22 May 2020 12:57

Tgt Ion: 98 Resp: 465058

Ion Ratio Lower Upper

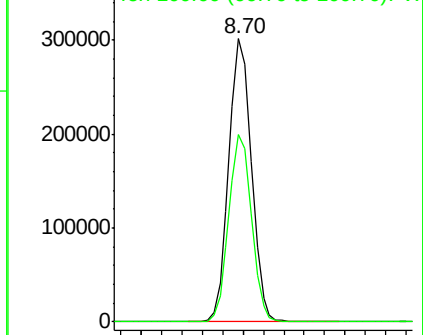
98 100

100 66.6 53.7 80.5

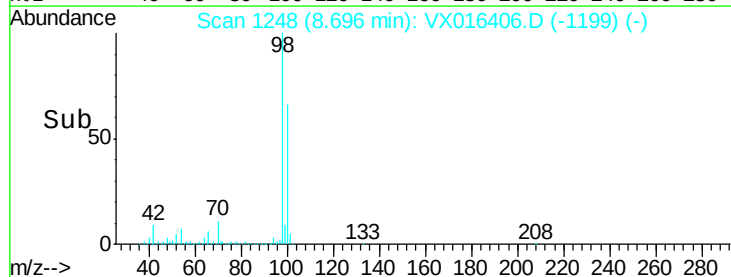


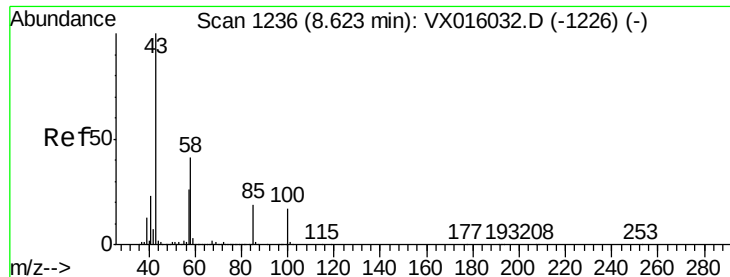
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



Time-->





#51

4-Methyl-2-Pentanone

Concen: 13.536 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX016406.D

Acq: 22 May 2020 12:57

Instrument :

MSVOA_X

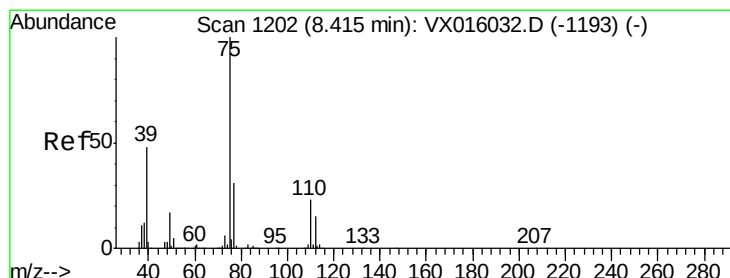
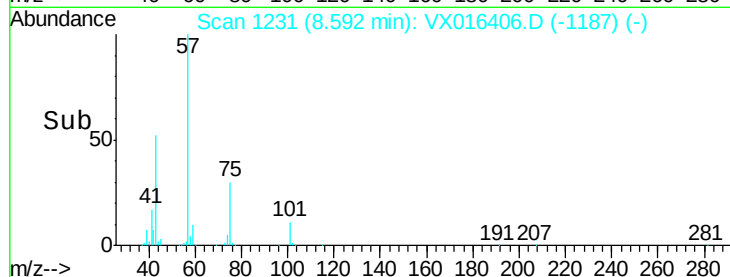
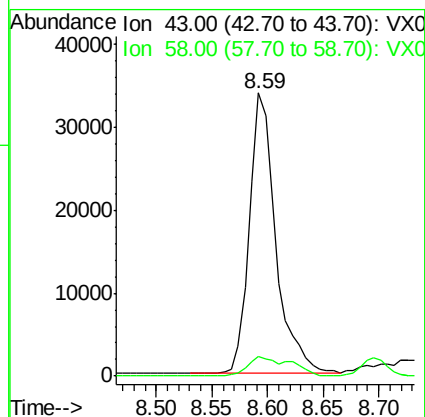
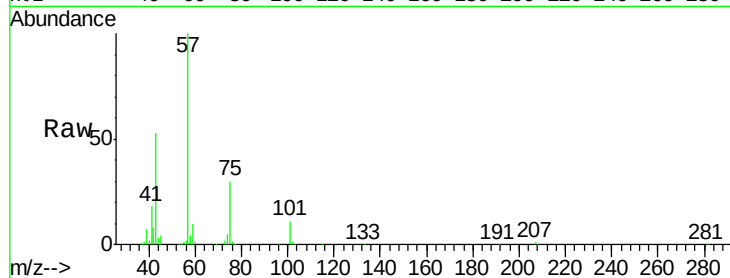
ClientSampleId :

Tot Ion: 43 Resp: 56013

Ion Ratio Lower Upper

43 100

58 7.3 33.0 49.4#



#54

cis-1,3-Dichloropropene

Concen: 6.334 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. 0.18 min

Lab File: VX016406.D

Acq: 22 May 2020 12:57

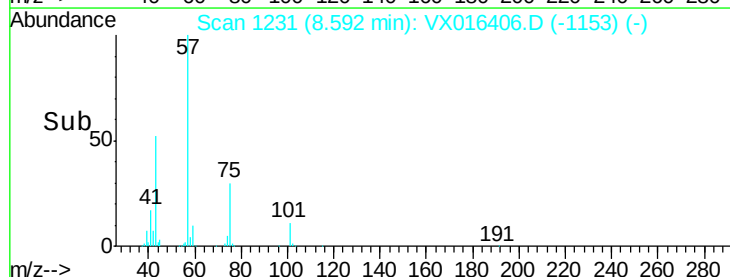
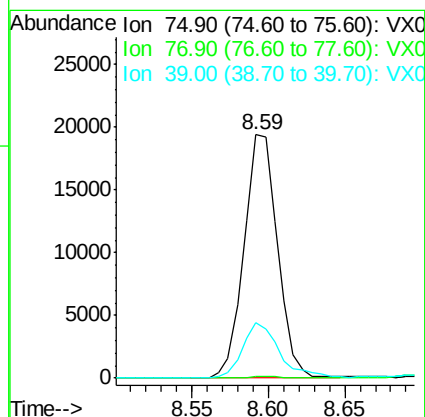
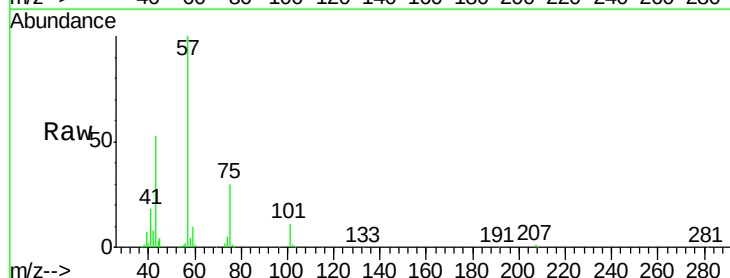
Tgt Ion: 75 Resp: 29558

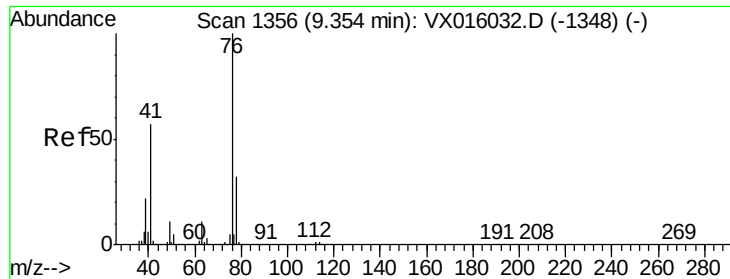
Ion Ratio Lower Upper

75 100

77 0.7 24.7 37.1#

39 22.6 38.7 58.1#

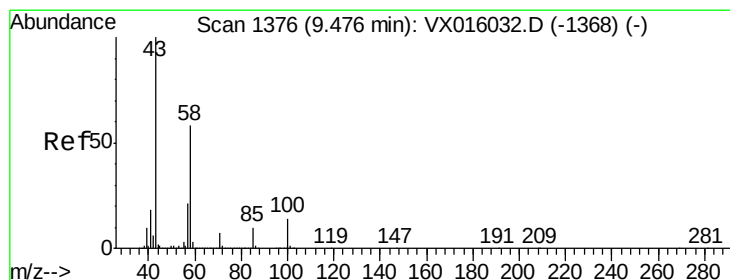
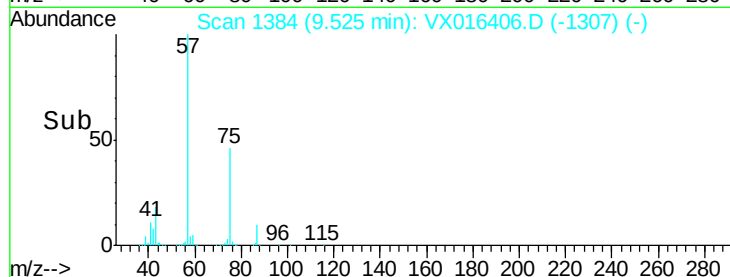
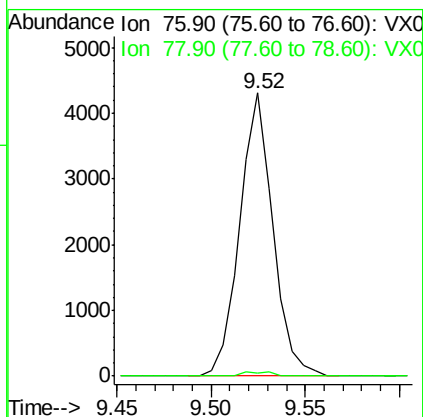
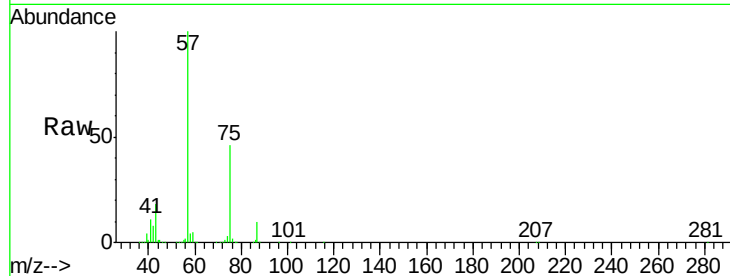




#57
 1,3-Dichloropropane
 Concen: 1.147 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.17 min
 Lab File: VX016406.D
 Acq: 22 May 2020 12:57

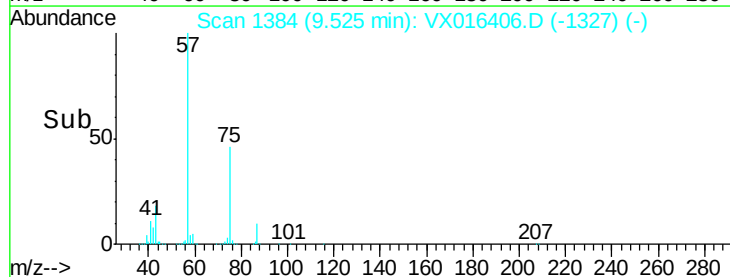
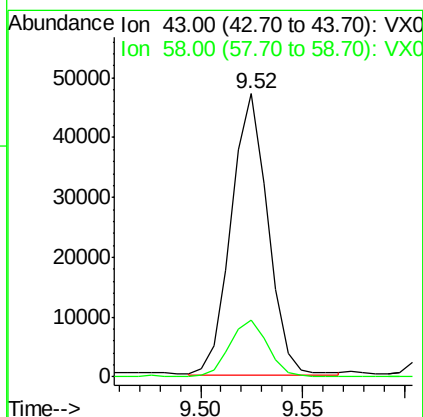
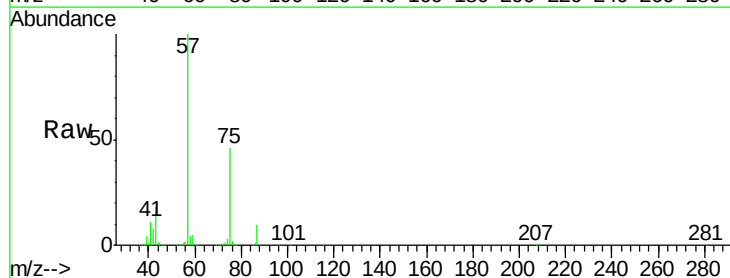
Instrument :
 MSVOA_X
 ClientSampleId :

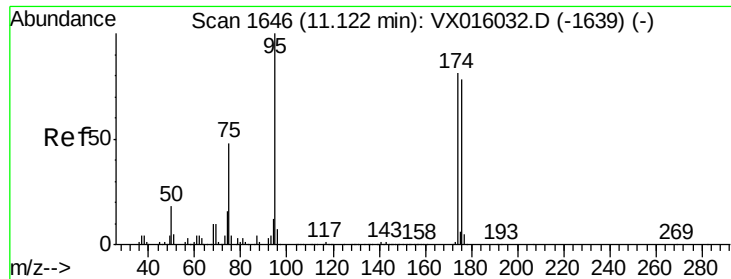
Tot Ion: 76 Resp: 5252
 Ion Ratio Lower Upper
 76 100
 78 1.4 25.9 38.9#



#59
 2-Hexanone
 Concen: 18.102 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.05 min
 Lab File: VX016406.D
 Acq: 22 May 2020 12:57

Tgt Ion: 43 Resp: 58825
 Ion Ratio Lower Upper
 43 100
 58 21.2 28.6 85.9#





#62

4-Bromofluorobenzene

Concen: 53.184 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016406.D

Acq: 22 May 2020 12:57

Instrument :

MSVOA_X

ClientSampleId :

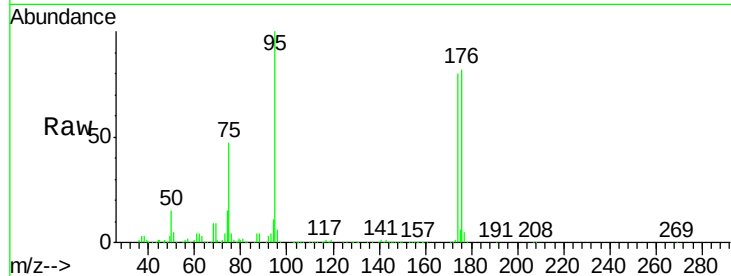
Tot Ion: 95 Resp: 183433

Ion Ratio Lower Upper

95 100

174 80.5 0.0 159.4

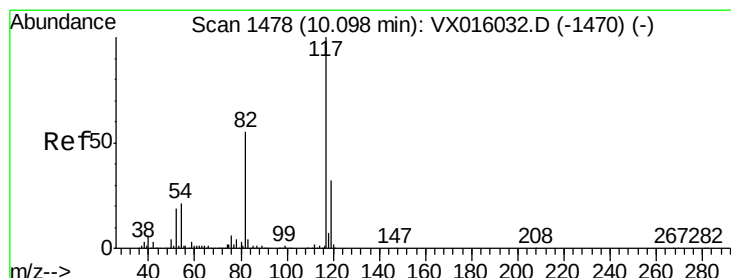
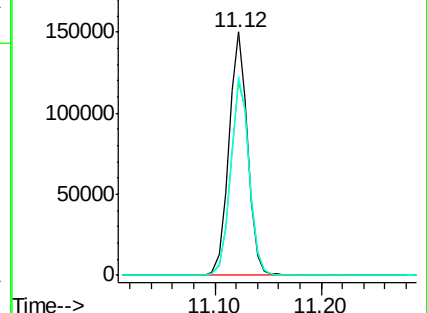
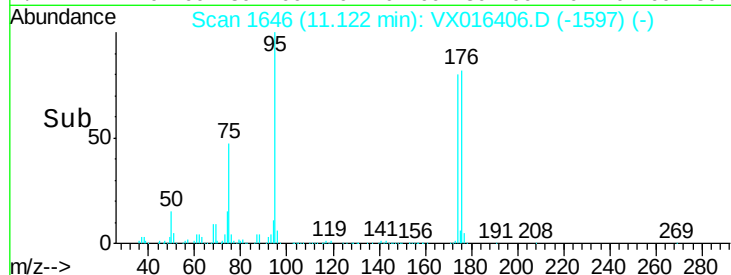
176 80.3 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX016406.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX016406.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX016406.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016406.D

Acq: 22 May 2020 12:57

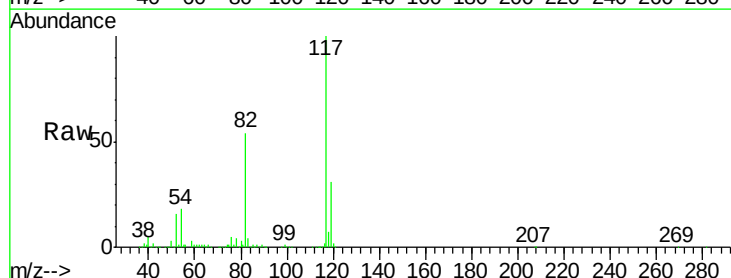
Tgt Ion: 117 Resp: 369549

Ion Ratio Lower Upper

117 100

82 54.4 44.4 66.6

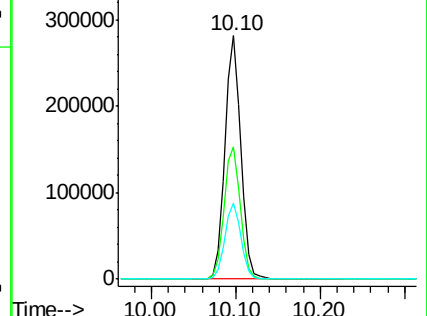
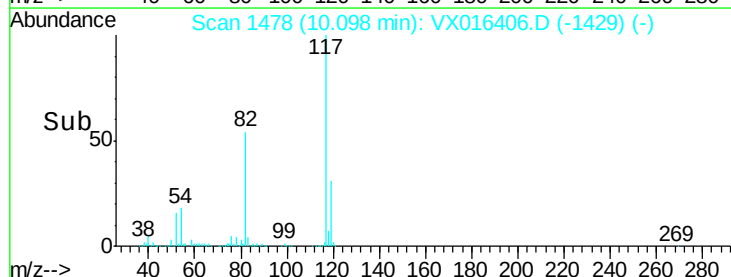
119 31.3 25.5 38.3

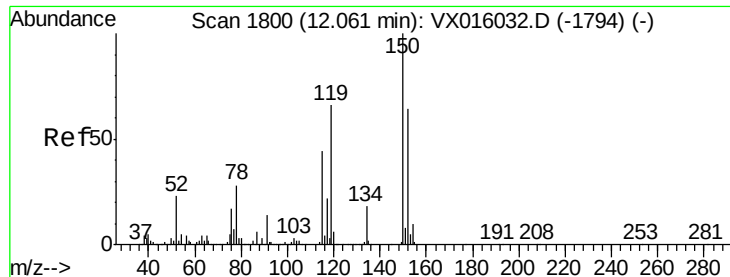


Abundance Ion 116.90 (116.60 to 117.60): VX016406.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016406.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016406.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016406.D

Acq: 22 May 2020 12:57

Instrument :

MSVOA_X

ClientSampleId :

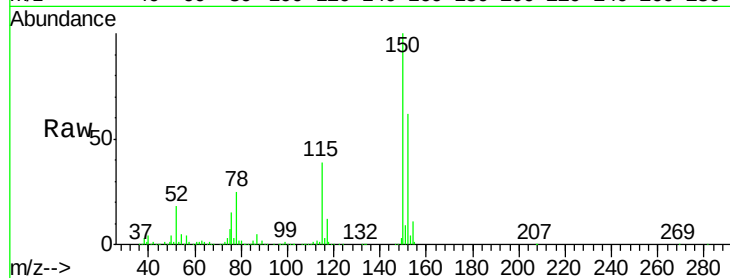
Tot Ion:152 Resp: 183071

Ion Ratio Lower Upper

152 100

115 60.1 41.3 124.1

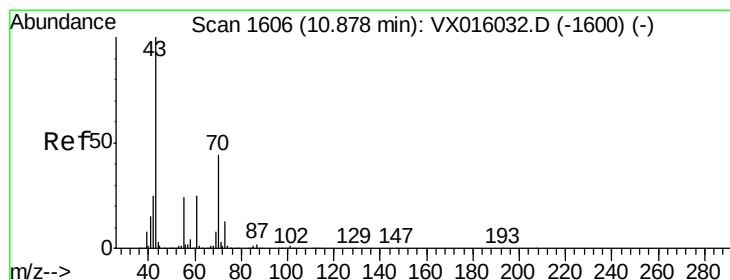
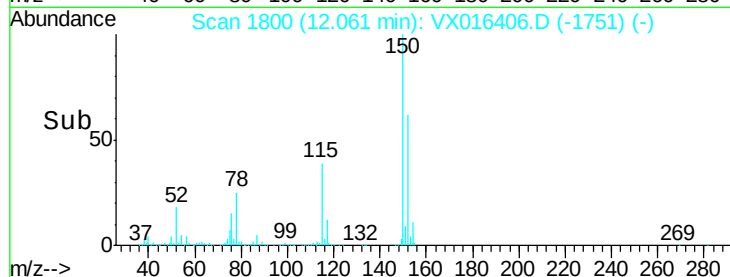
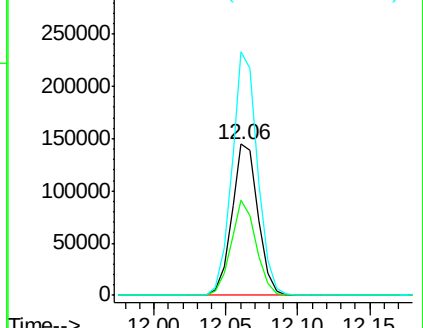
150 157.8 0.0 352.2



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



#74

N-ethyl acetate

Concen: 0.467 ug/l

RT: 10.80 min Scan# 1594

Delta R.T. -0.07 min

Lab File: VX016406.D

Acq: 22 May 2020 12:57

Tgt Ion: 43 Resp: 2902

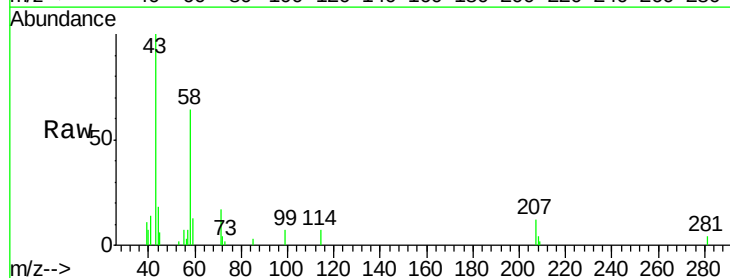
Ion Ratio Lower Upper

43 100

70 0.0 36.5 54.7#

55 8.4 19.7 29.5#

61 0.0 20.9 31.3#

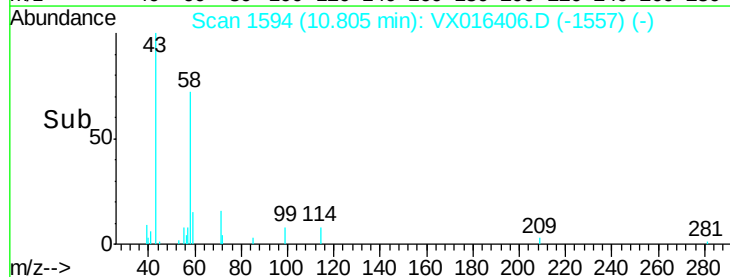
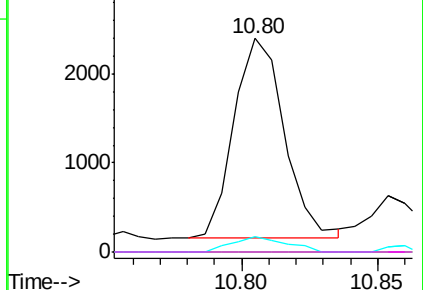


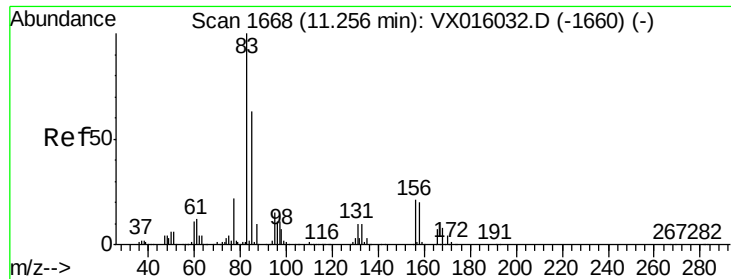
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 2.087 ug/l

RT: 11.13 min Scan# 1647

Delta R.T. -0.13 min

Lab File: VX016406.D

Acq: 22 May 2020 12:57

Instrument :

MSVOA_X

ClientSampleId :

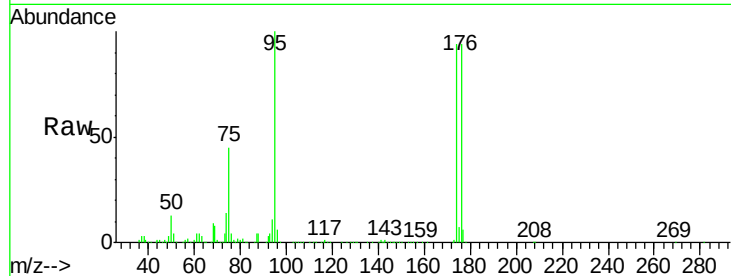
Tot Ion: 83 Resp: 95

Ion Ratio Lower Upper

83 100

131 253.7 5.1 15.4#

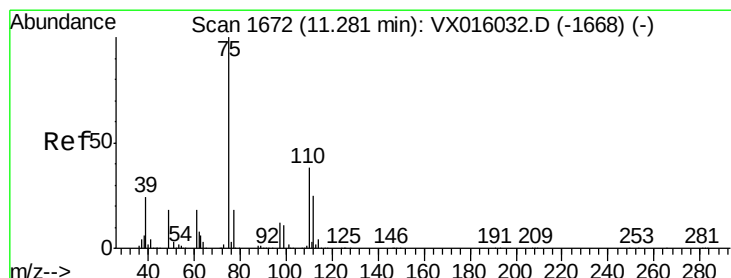
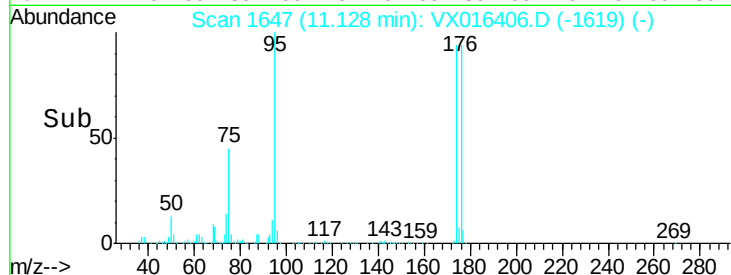
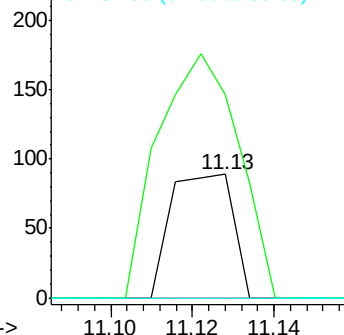
85 0.0 32.0 96.0#



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: 20.799 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016406.D

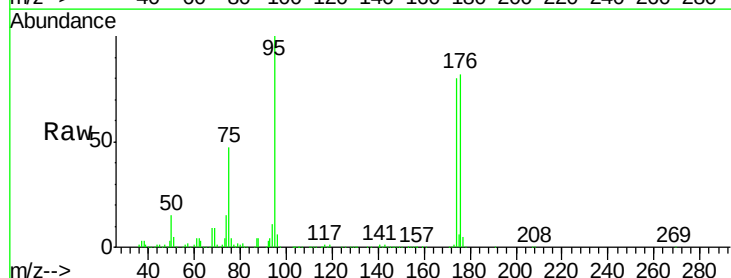
Acq: 22 May 2020 12:57

Tgt Ion: 75 Resp: 86407

Ion Ratio Lower Upper

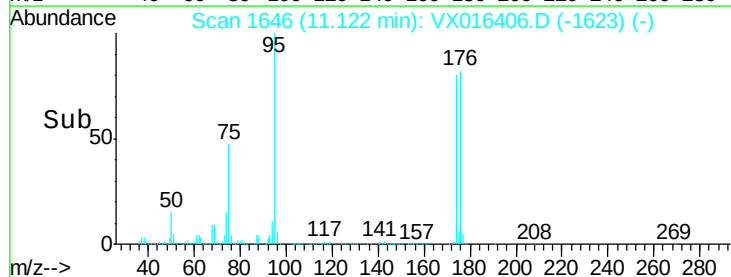
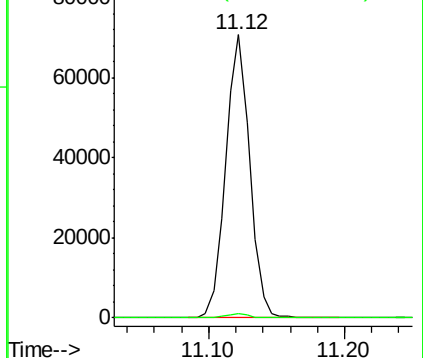
75 100

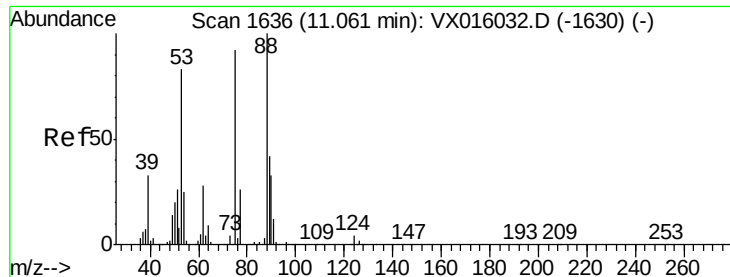
77 1.3 21.2 63.6#



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: 49.567 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016406.D

Acq: 22 May 2020 12:57

Instrument :

MSVOA_X

ClientSampled :

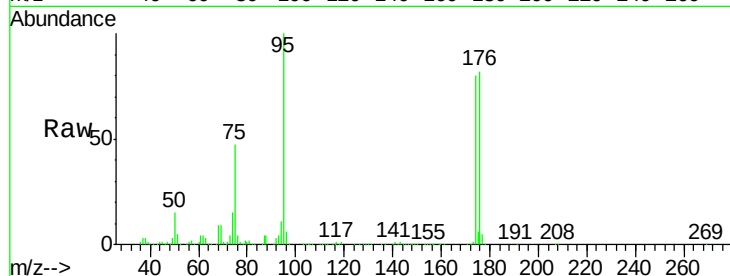
Tot Ion: 75 Resp: 86407

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

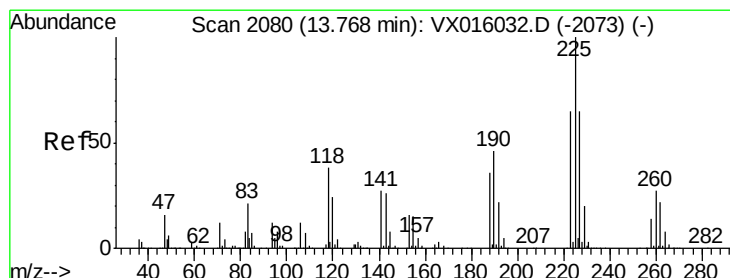
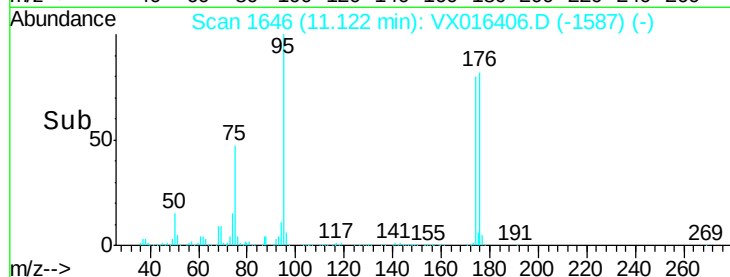
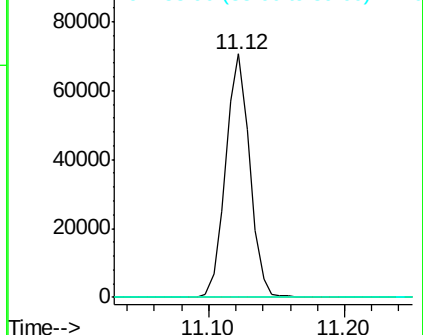
89 0.0 36.7 55.1#



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: 0.569 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX016406.D

Acq: 22 May 2020 12:57

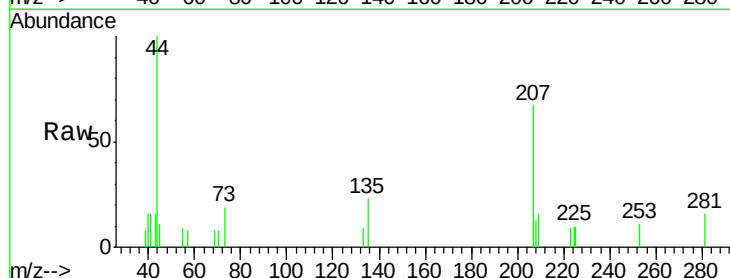
Tgt Ion: 225 Resp: 87

Ion Ratio Lower Upper

225 100

223 54.0 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

