

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX061020\
 Data File : VX016677.D
 Acq On : 10 Jun 2020 16:09
 Operator : JC/SP
 Sample : L2963-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF014MW005-200608

Quant Time: Jun 11 03:02:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	217992	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	350695	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	359647	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	185115	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	127719	47.18	ug/l	0.00
Spiked Amount			Recovery	=	94.36%	
35) Dibromofluoromethane	5.47	113	104129	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	
50) Toluene-d8	8.70	98	426303	50.72	ug/l	0.00
Spiked Amount			Recovery	=	101.44%	
62) 4-Bromofluorobenzene	11.12	95	175743	54.11	ug/l	0.00
Spiked Amount			Recovery	=	108.22%	

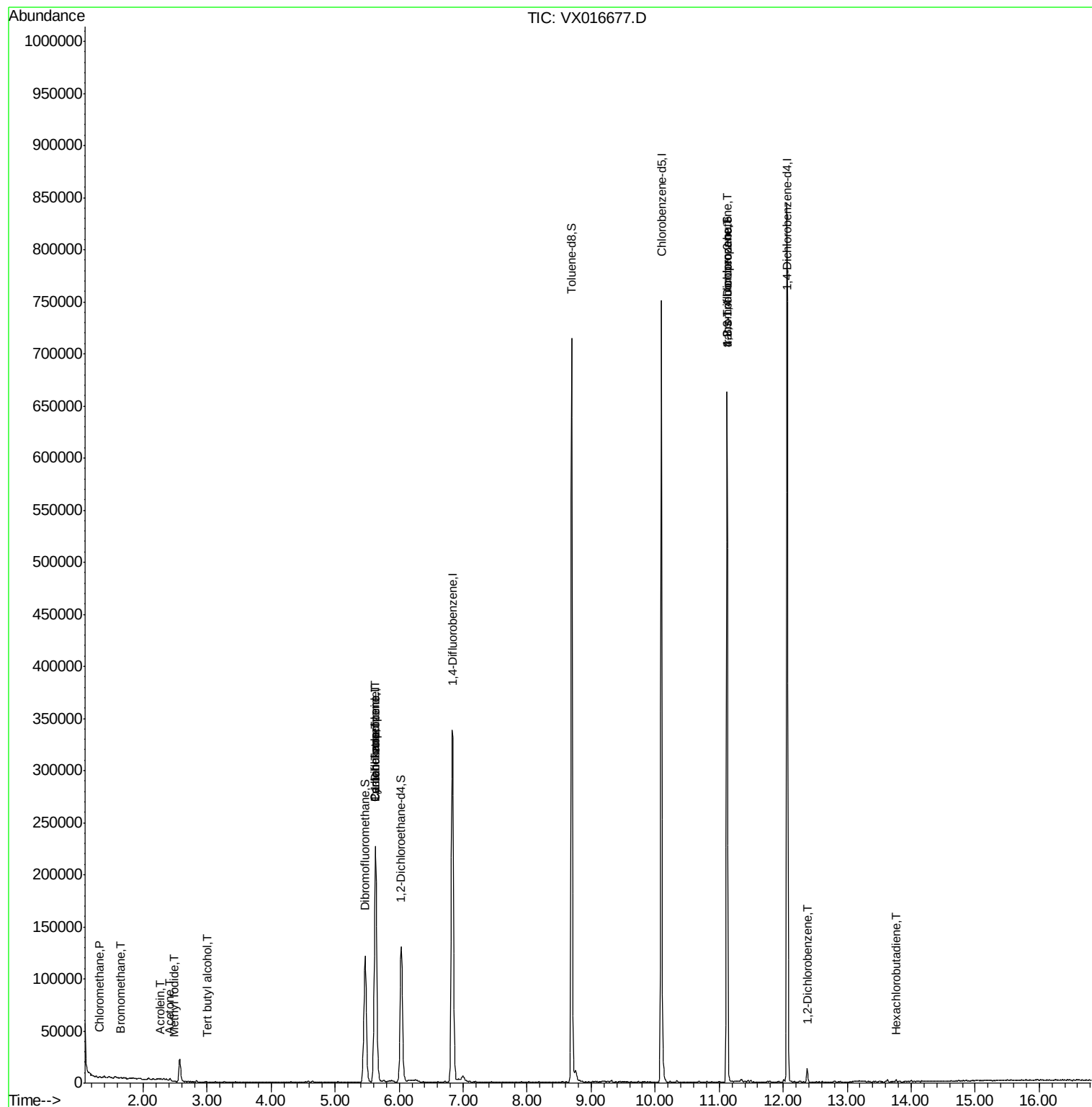
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	813	0.31	ug/l #	86
5) Bromomethane	1.65	94	287	0.22	ug/l #	76
10) Methyl Iodide	2.50	142	286	3.17	ug/l #	61
11) Tert butyl alcohol	3.01	59	184	0.27	ug/l #	72
13) Acrolein	2.28	56	266	0.90	ug/l #	56
16) Acetone	2.42	43	3082	2.60	ug/l	92
31) Cyclohexane	5.63	56	3909	1.04	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	15140	4.56	ug/l #	51
38) Carbon Tetrachloride	5.64	117	20823	5.97	ug/l #	18
76) 1,2,3-Trichloropropane	11.12	75	85199	20.94	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	85199	51.51	ug/l #	14
91) 1,2-Dichlorobenzene	12.38	146	3994	0.71	ug/l	99
94) Hexachlorobutadiene	13.77	225	360	0.24	ug/l	93

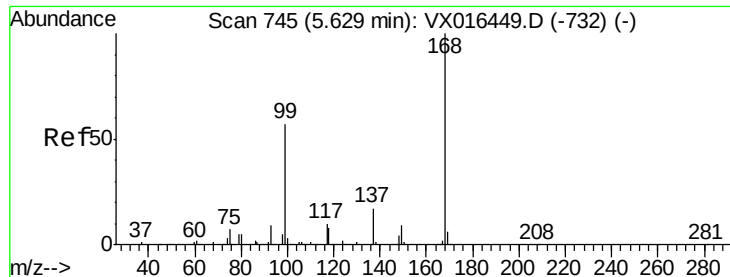
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX061020\
Data File : VX016677.D
Acq On : 10 Jun 2020 16:09
Operator : JC/SP
Sample : L2963-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
LF014MW005-200608

Quant Time: Jun 11 03:02:34 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
Quant Title : SW846 8260
QLast Update : Wed May 27 16:31:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016677.D

Acq: 10 Jun 2020 16:09

Instrument :

MSVOA_X

ClientSampleId :

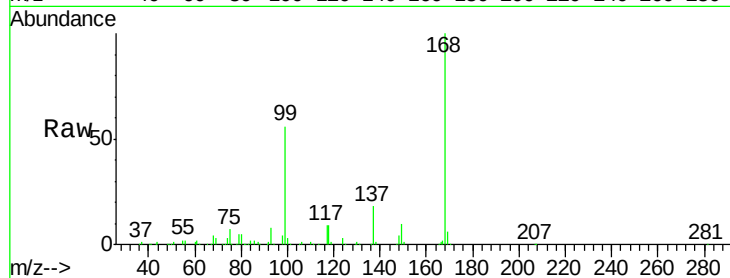
LF014MW005-200608

Tgt Ion:168 Resp: 217992

Ion Ratio Lower Upper

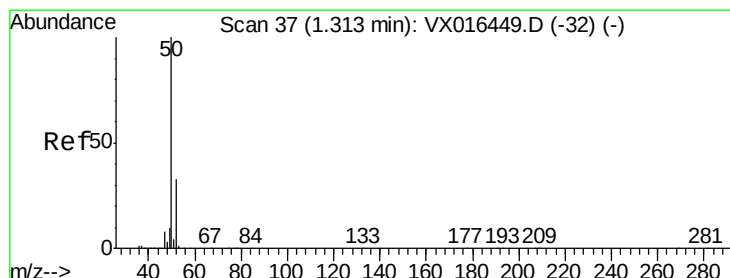
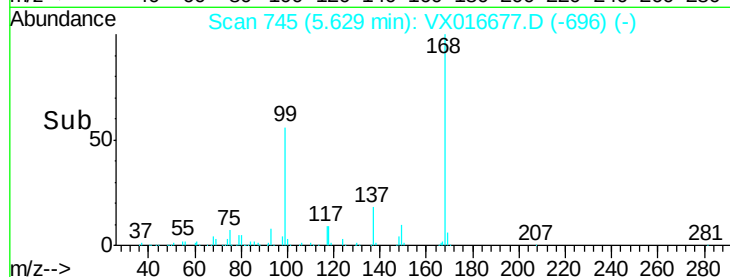
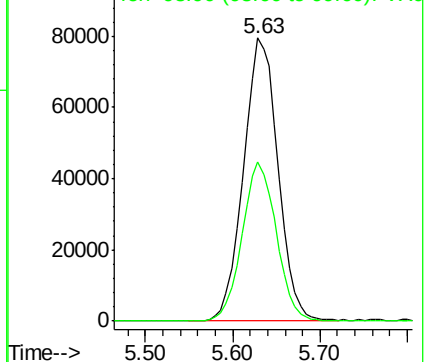
168 100

99 56.3 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.31 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016677.D

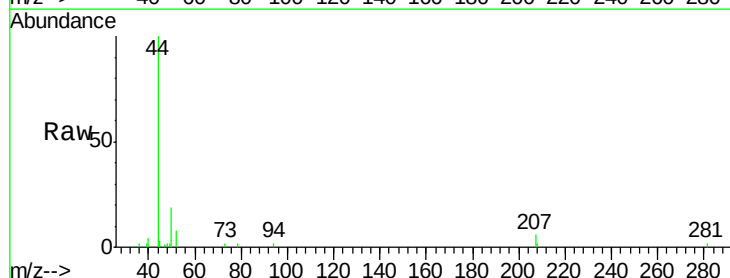
Acq: 10 Jun 2020 16:09

Tgt Ion: 50 Resp: 813

Ion Ratio Lower Upper

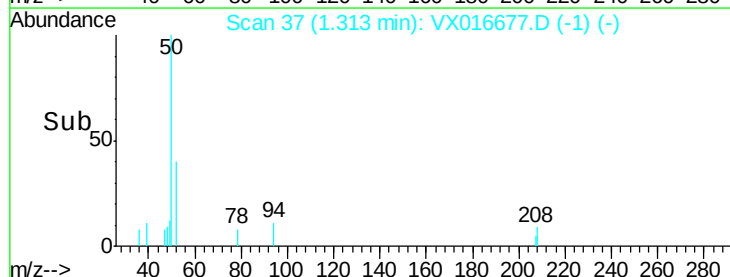
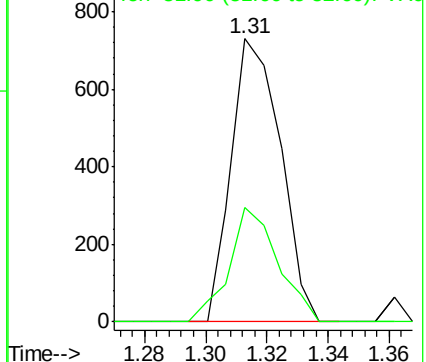
50 100

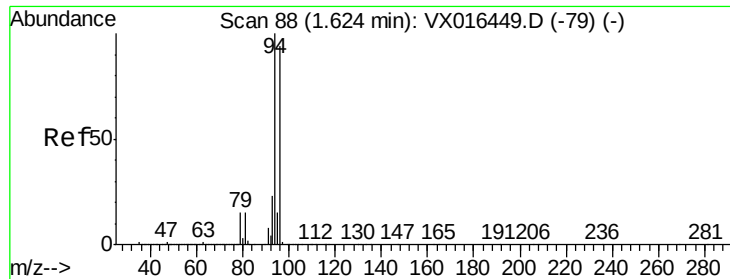
52 40.4 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.22 ug/l

RT: 1.65 min Scan# 92

Delta R.T. 0.02 min

Lab File: VX016677.D

Acq: 10 Jun 2020 16:09

Instrument :

MSVOA_X

ClientSampleId :

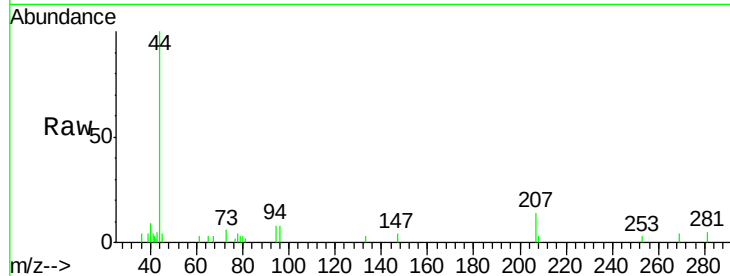
LF014MW005-200608

Tgt Ion: 94 Resp: 287

Ion Ratio Lower Upper

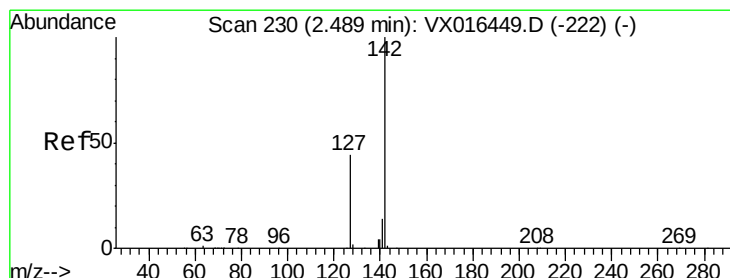
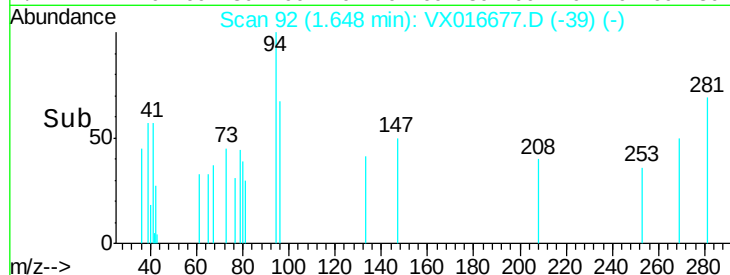
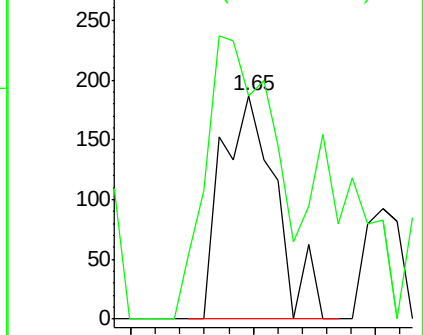
94 100

96 71.1 75.1 112.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 3.17 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX016677.D

Acq: 10 Jun 2020 16:09

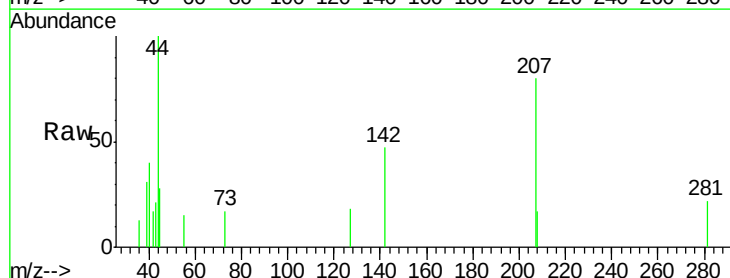
Tgt Ion: 142 Resp: 286

Ion Ratio Lower Upper

142 100

127 18.2 35.3 52.9#

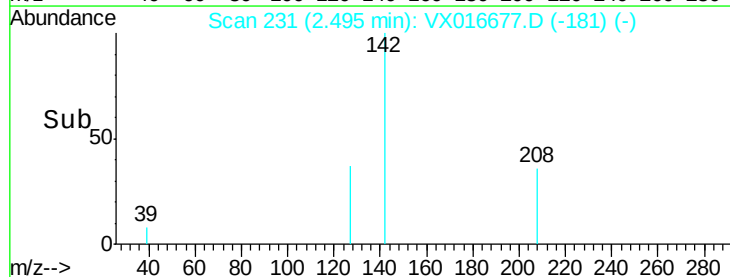
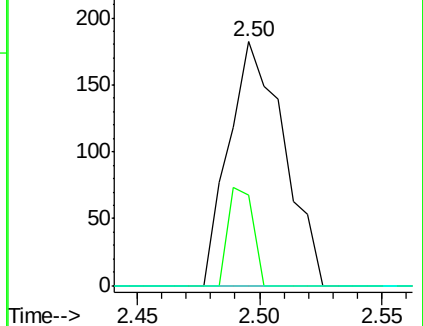
141 0.0 11.4 17.2#

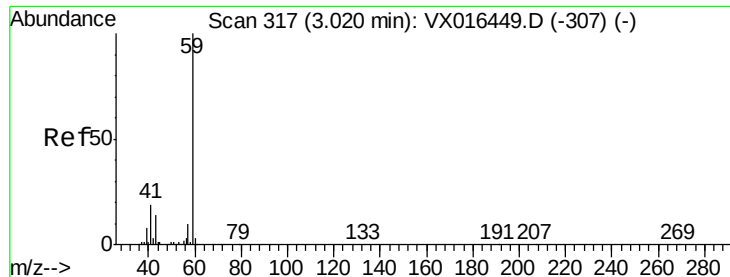


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

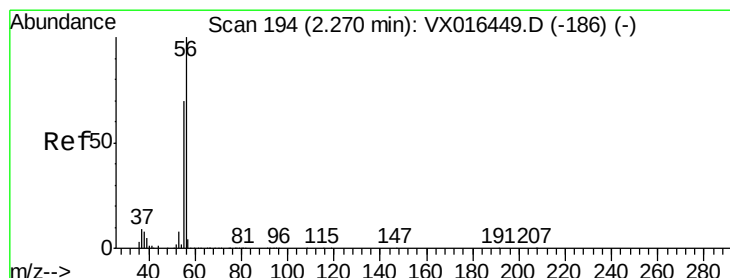
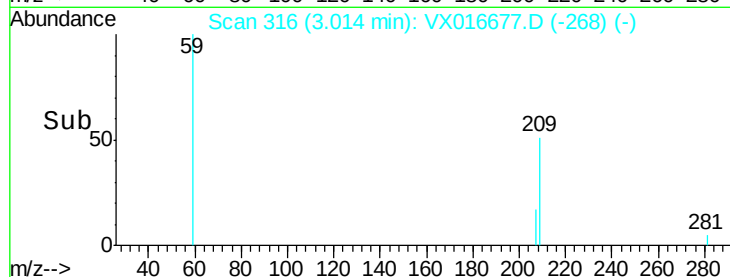
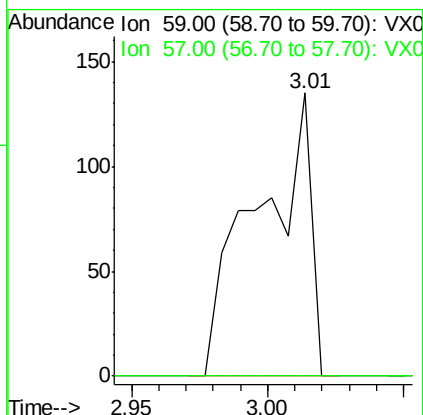
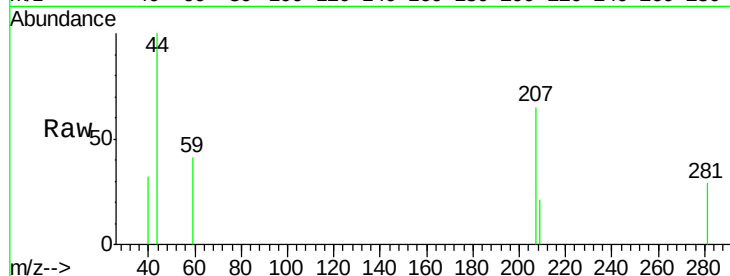




#11
Tert butyl alcohol
Concen: 0.27 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX016677.D
Acq: 10 Jun 2020 16:09

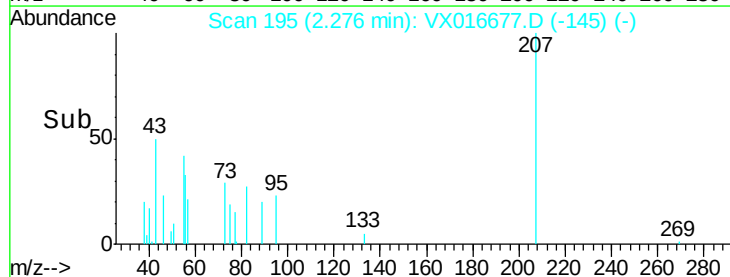
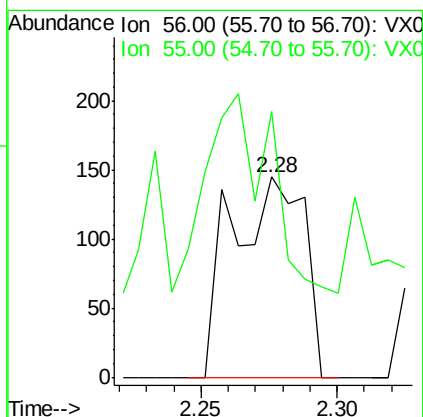
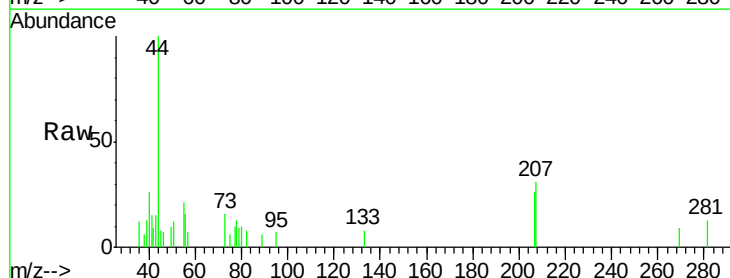
Instrument :
MSVOA_X
ClientSampleId :
LF014MW005-200608

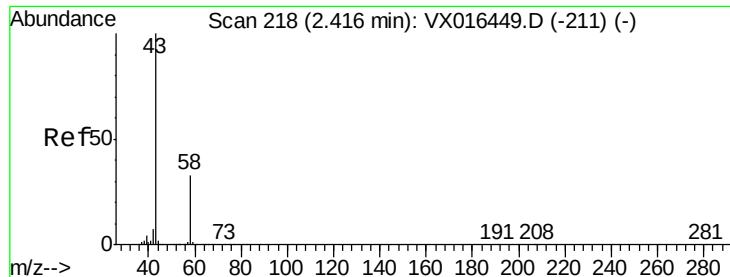
Tgt Ion: 59 Resp: 184
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.90 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX016677.D
Acq: 10 Jun 2020 16:09

Tgt Ion: 56 Resp: 266
Ion Ratio Lower Upper
56 100
55 110.2 58.3 87.5#





#16

Acetone

Concen: 2.60 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016677.D

Acq: 10 Jun 2020 16:09

Instrument :

MSVOA_X

ClientSampleId :

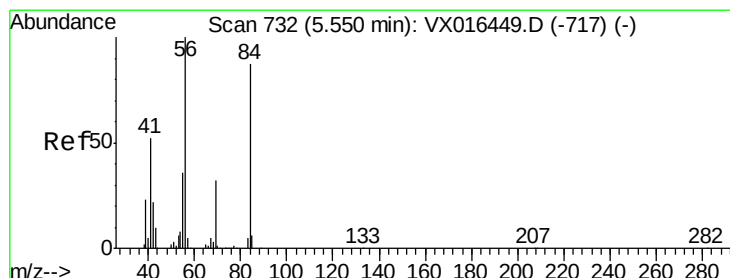
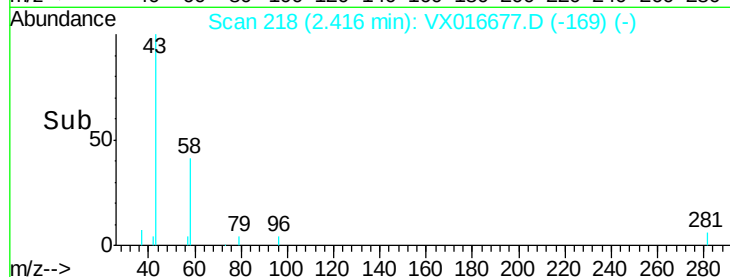
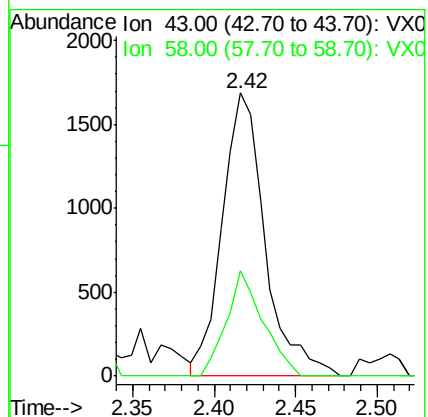
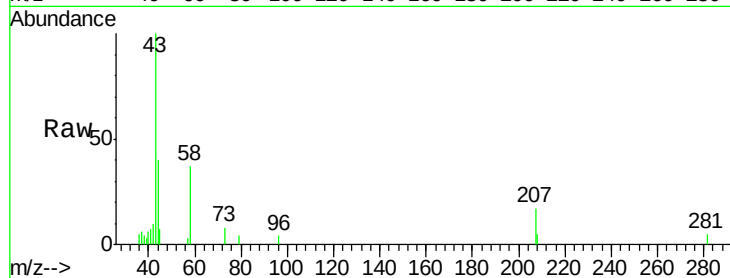
LF014MW005-200608

Tgt Ion: 43 Resp: 3082

Ion Ratio Lower Upper

43 100

58 37.0 26.1 39.1



#31

Cyclohexane

Concen: 1.04 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX016677.D

Acq: 10 Jun 2020 16:09

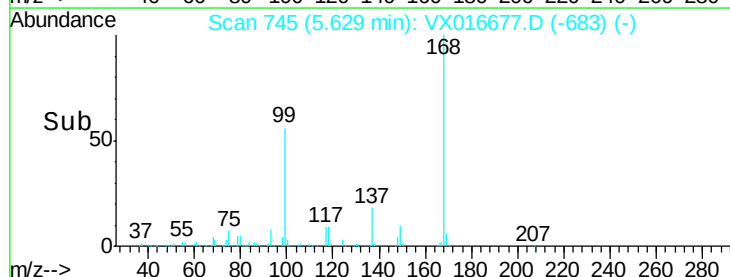
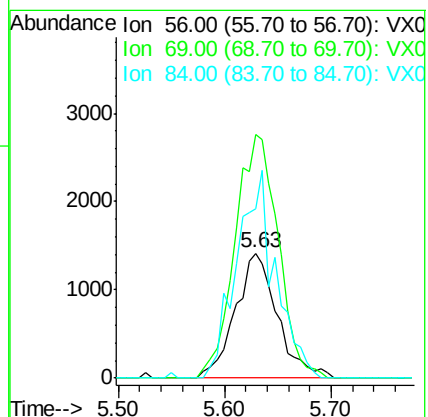
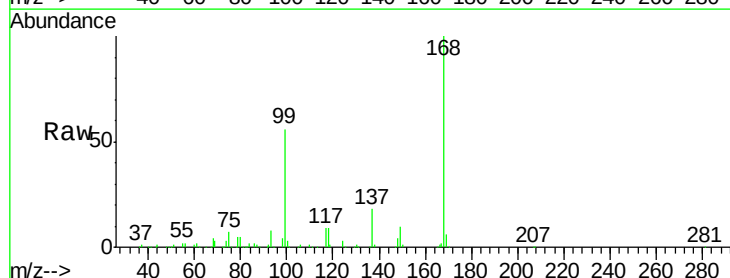
Tgt Ion: 56 Resp: 3909

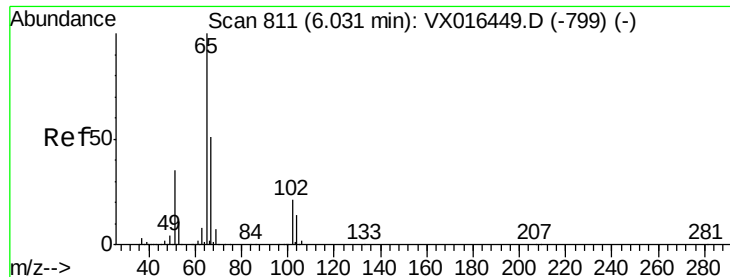
Ion Ratio Lower Upper

56 100

69 195.1 25.7 38.5#

84 135.2 70.0 105.0#

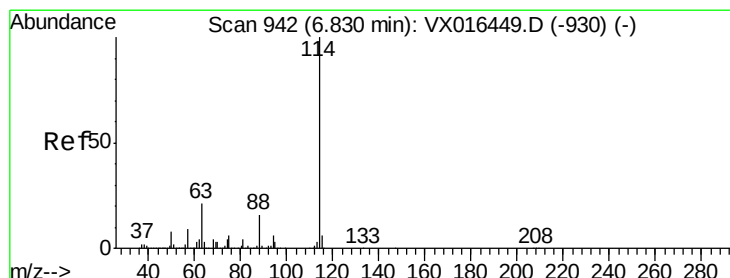
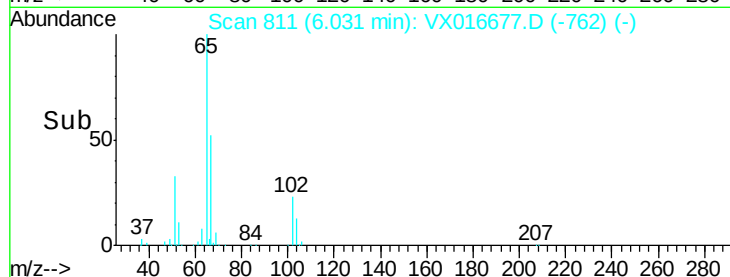
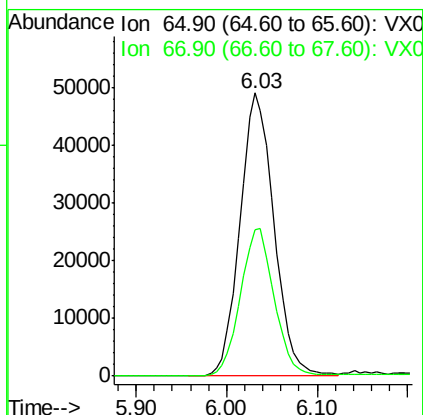
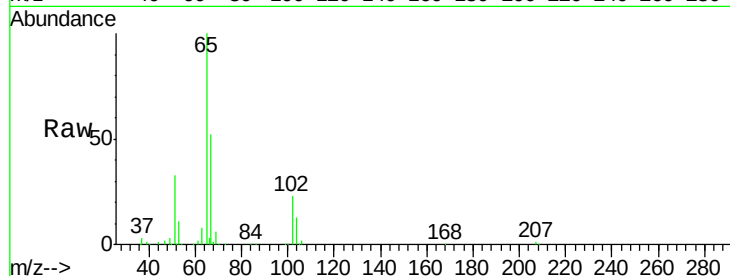




#33
 1,2-Dichloroethane-d4
 Concen: 47.18 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016677.D
 Acq: 10 Jun 2020 16:09

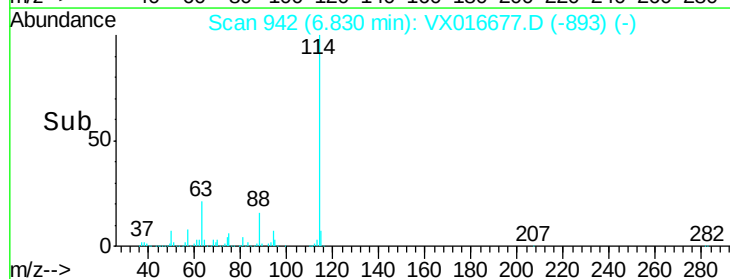
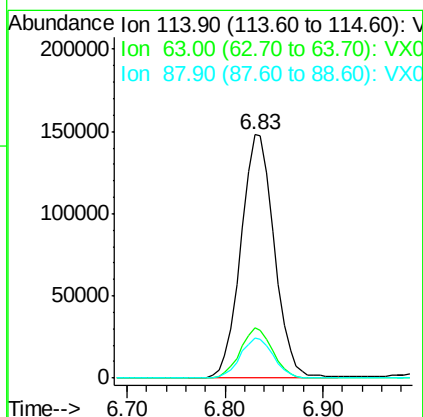
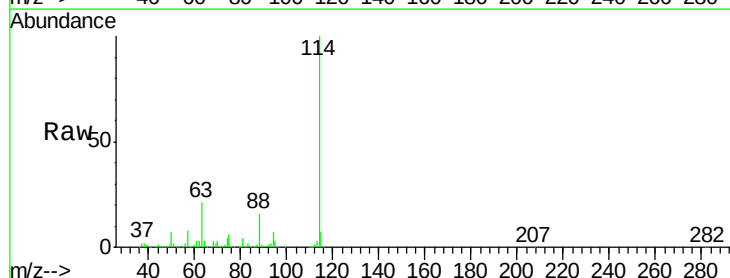
Instrument :
 MSVOA_X
 ClientSampleId :
 LF014MW005-200608

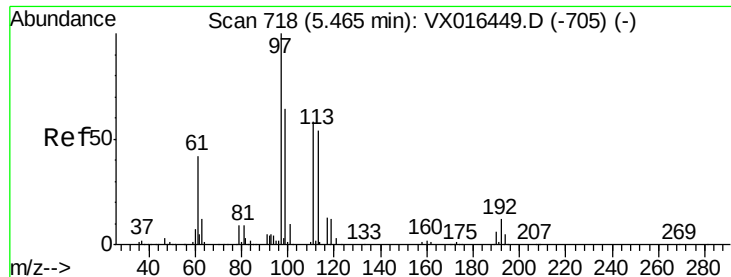
Tgt Ion: 65 Resp: 127719
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX016677.D
 Acq: 10 Jun 2020 16:09

Tgt Ion: 114 Resp: 350695
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 42.6
 88 16.3 0.0 32.8

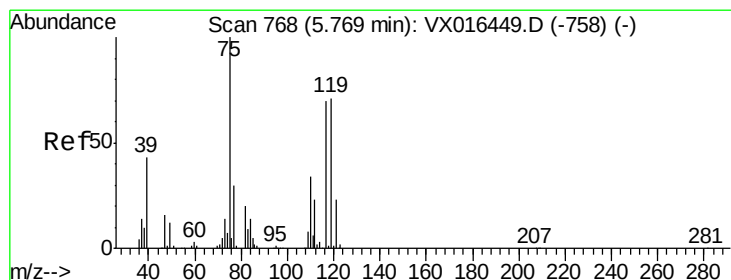
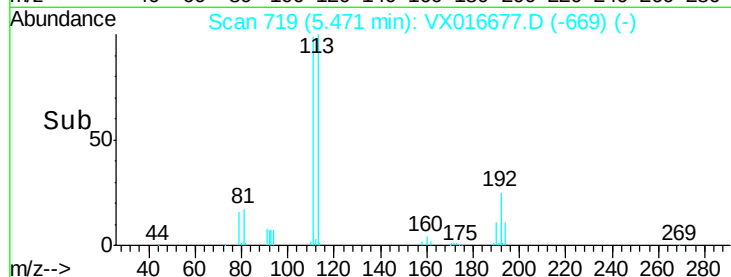
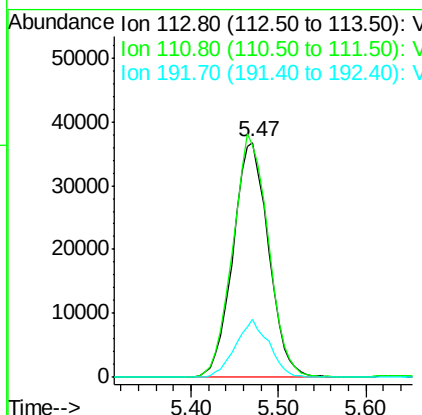
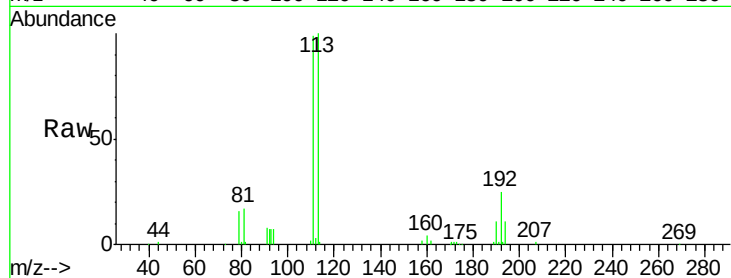




#35
Dibromofluoromethane
Concen: 48.22 ug/l
RT: 5.47 min Scan# 719
Delta R.T. 0.01 min
Lab File: VX016677.D
Acq: 10 Jun 2020 16:09

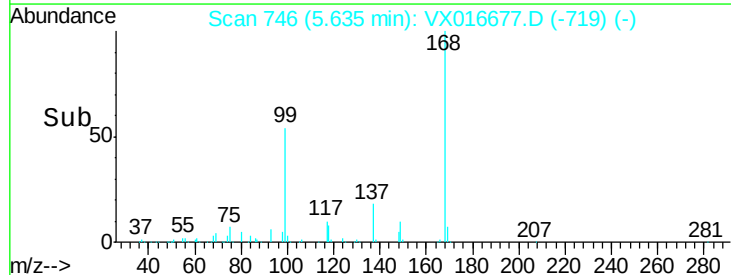
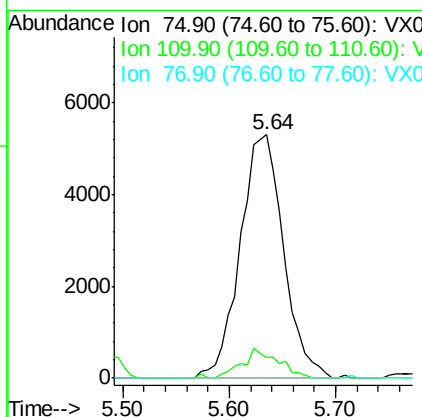
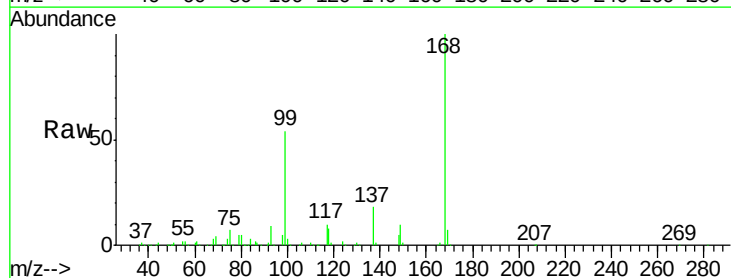
Instrument :
MSVOA_X
ClientSampleId :
LF014MW005-200608

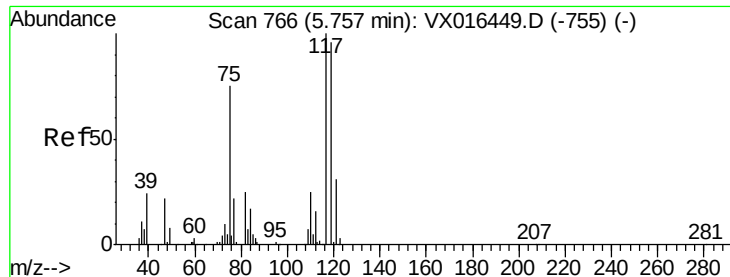
Tgt Ion:113 Resp: 104129
Ion Ratio Lower Upper
113 100
111 103.4 83.0 124.6
192 23.3 17.7 26.5



#36
1,1-Dichloropropene
Concen: 4.56 ug/l
RT: 5.64 min Scan# 746
Delta R.T. -0.13 min
Lab File: VX016677.D
Acq: 10 Jun 2020 16:09

Tgt Ion: 75 Resp: 15140
Ion Ratio Lower Upper
75 100
110 10.1 17.4 52.3#
77 0.0 24.2 36.4#





#38

Carbon Tetrachloride

Concen: 5.97 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016677.D

Acq: 10 Jun 2020 16:09

Instrument :

MSVOA_X

ClientSampleId :

LF014MW005-200608

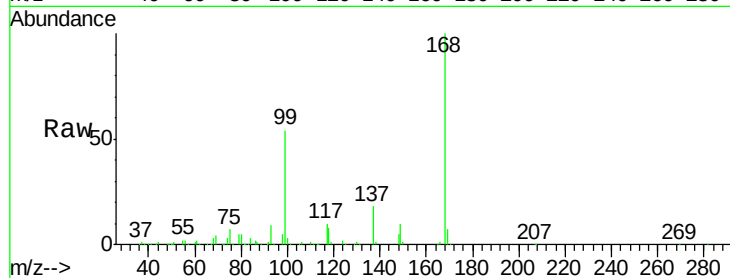
Tgt Ion:117 Resp: 20823

Ion Ratio Lower Upper

117 100

119 7.7 76.3 114.5#

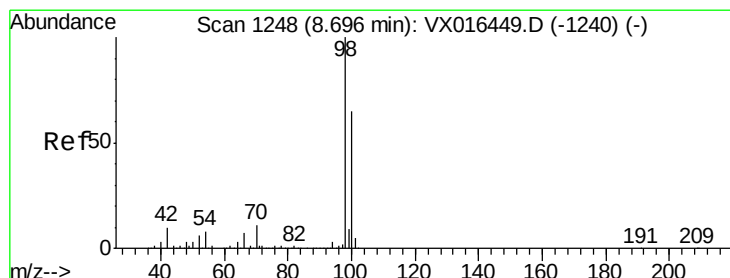
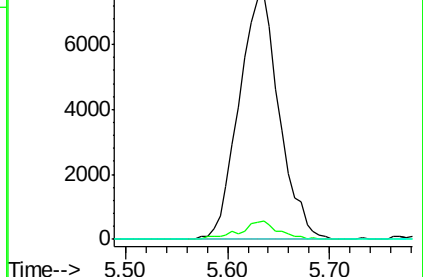
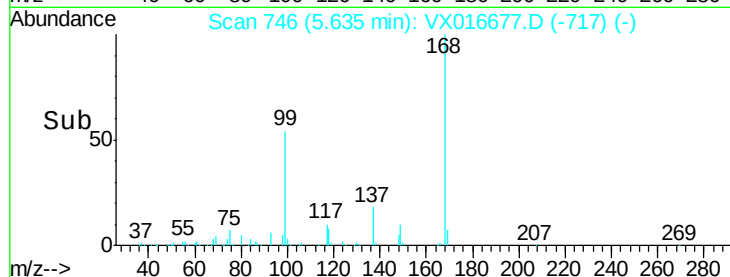
121 0.0 24.6 37.0#



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



#50

Toluene-d8

Concen: 50.72 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016677.D

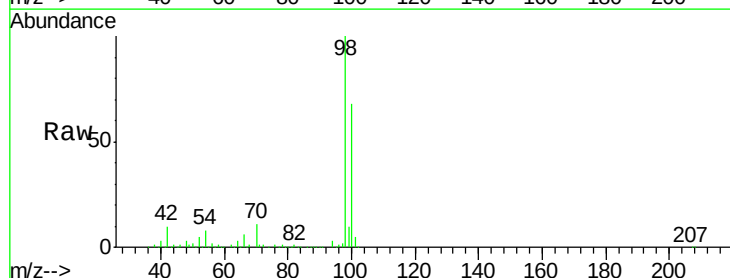
Acq: 10 Jun 2020 16:09

Tgt Ion: 98 Resp: 426303

Ion Ratio Lower Upper

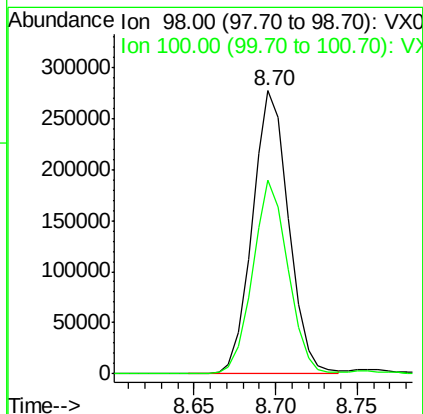
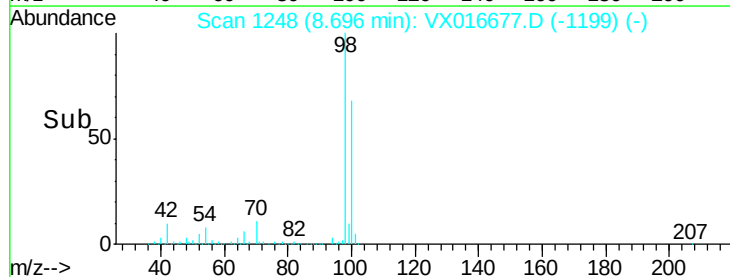
98 100

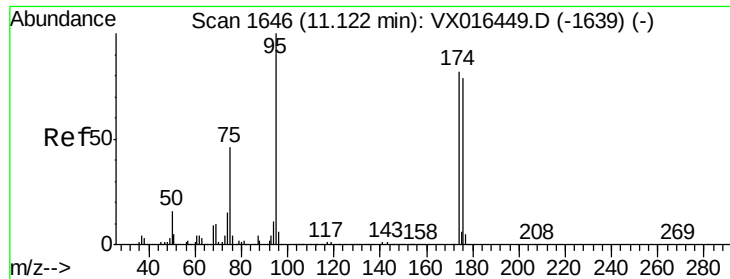
100 67.1 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 54.11 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016677.D

Acq: 10 Jun 2020 16:09

Instrument :

MSVOA_X

ClientSampleId :

LF014MW005-200608

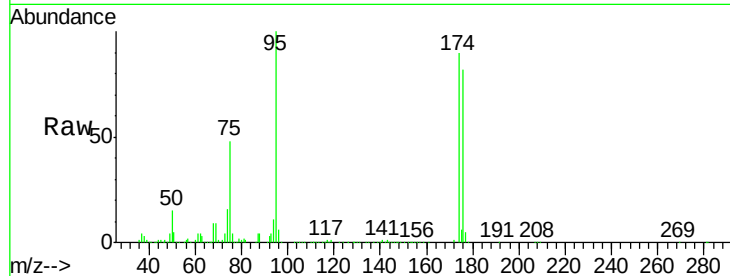
Tgt Ion: 95 Resp: 175743

Ion Ratio Lower Upper

95 100

174 87.1 0.0 163.0

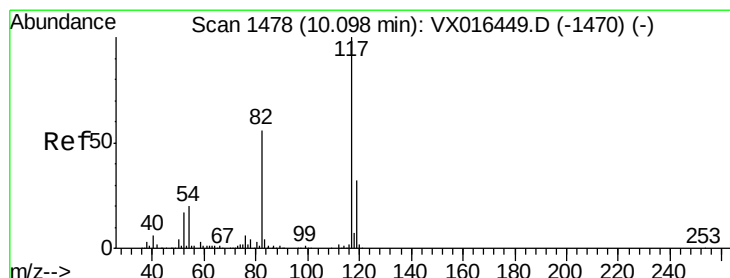
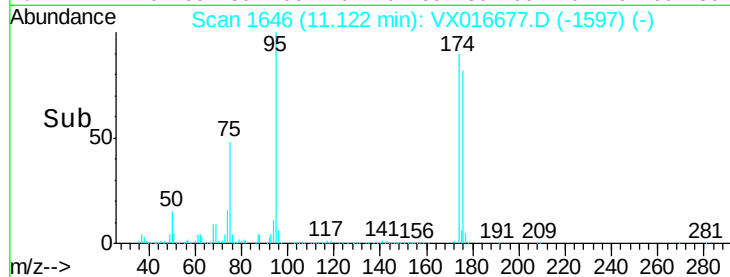
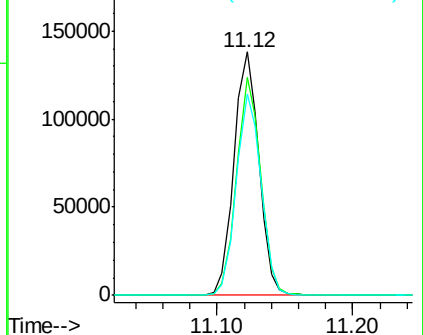
176 82.4 0.0 156.8



Abundance Ion 94.90 (94.60 to 95.60): VX016677.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX016677.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX016677.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016677.D

Acq: 10 Jun 2020 16:09

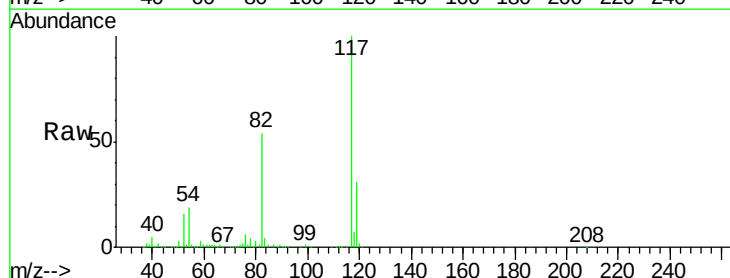
Tgt Ion: 117 Resp: 359647

Ion Ratio Lower Upper

117 100

82 54.0 45.0 67.6

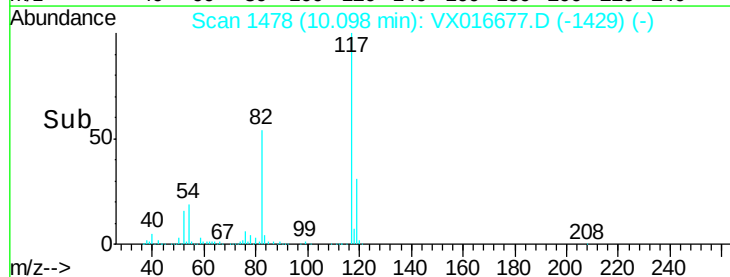
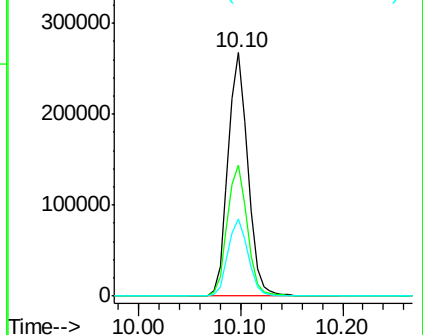
119 31.5 25.8 38.8

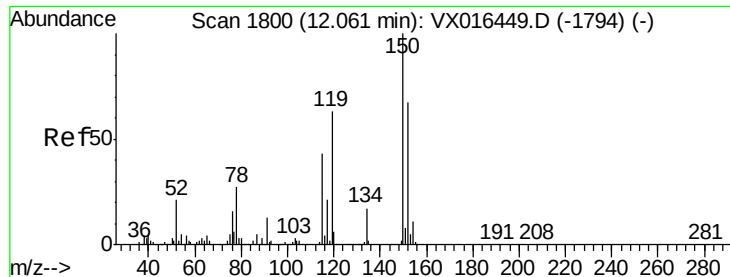


Abundance Ion 116.90 (116.60 to 117.60): VX016677.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016677.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016677.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016677.D

Acq: 10 Jun 2020 16:09

Instrument :

MSVOA_X

ClientSampleId :

LF014MW005-200608

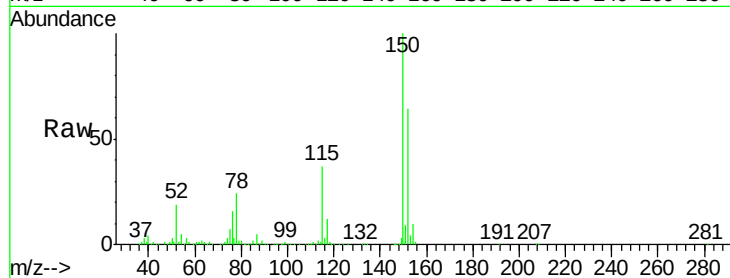
Tgt Ion: 152 Resp: 185115

Ion Ratio Lower Upper

152 100

115 57.6 39.9 119.6

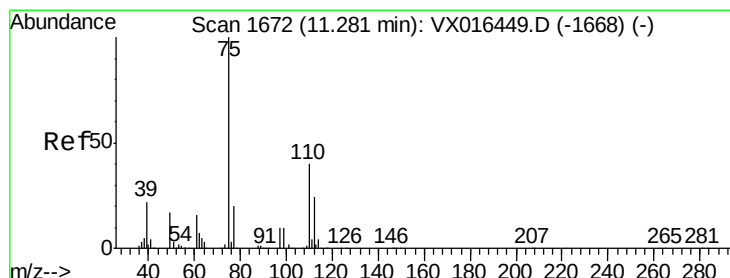
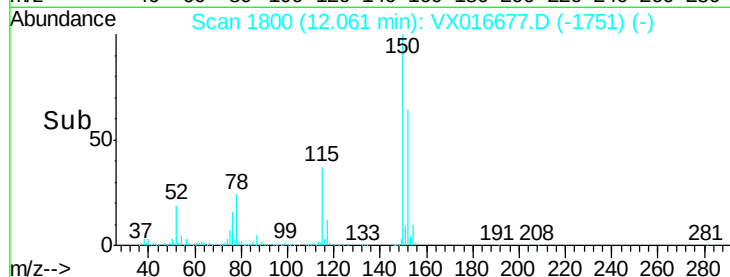
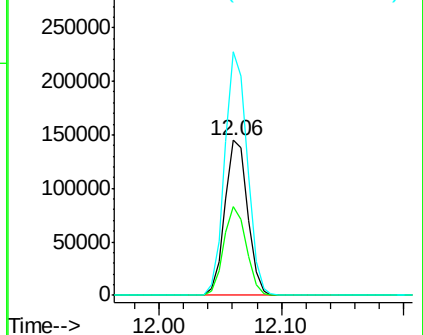
150 156.2 0.0 341.0



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



#76

1,2,3-Trichloropropane

Concen: 20.94 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016677.D

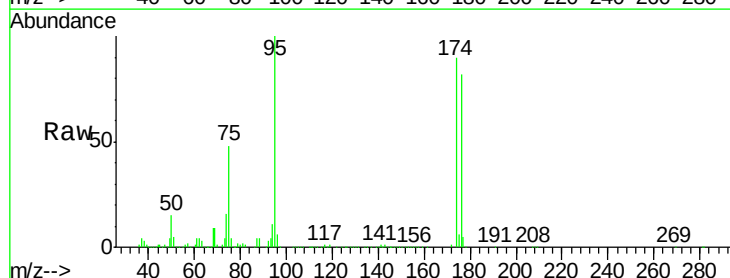
Acq: 10 Jun 2020 16:09

Tgt Ion: 75 Resp: 85199

Ion Ratio Lower Upper

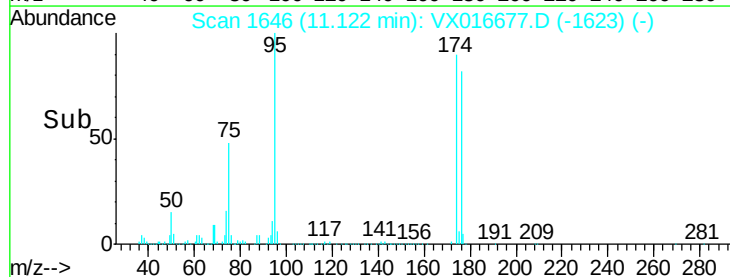
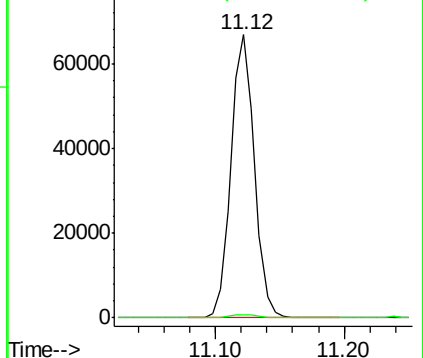
75 100

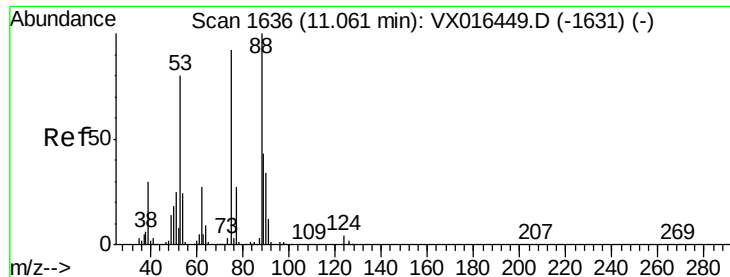
77 1.3 21.3 63.7#



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: 51.51 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016677.D

Acq: 10 Jun 2020 16:09

Instrument :

MSVOA_X

ClientSampleId :

LF014MW005-200608

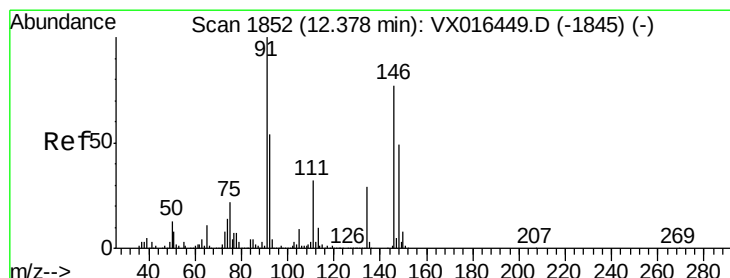
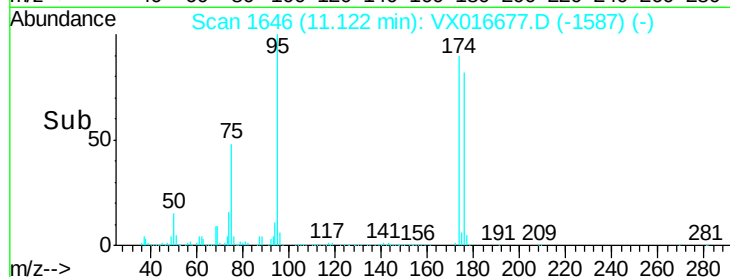
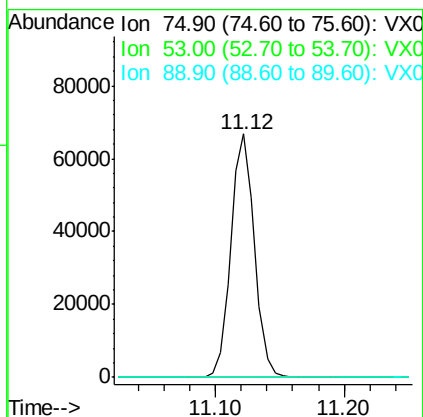
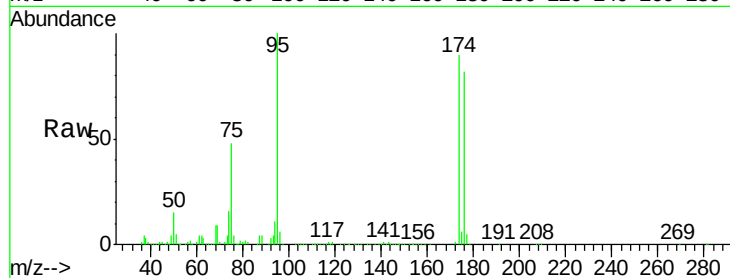
Tgt Ion: 75 Resp: 85199

Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

89 0.0 36.6 55.0#



#91

1,2-Dichlorobenzene

Concen: 0.71 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX016677.D

Acq: 10 Jun 2020 16:09

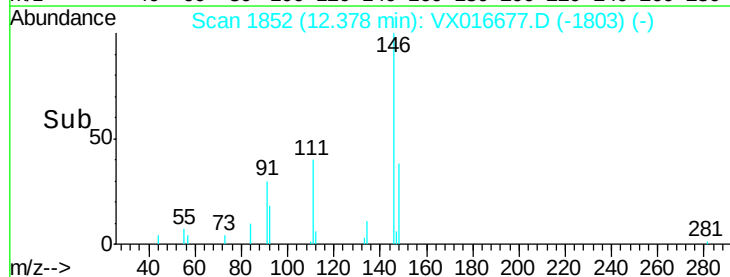
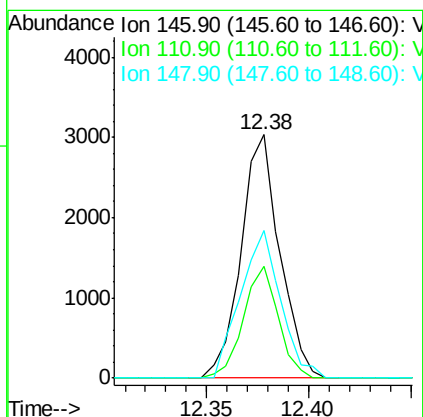
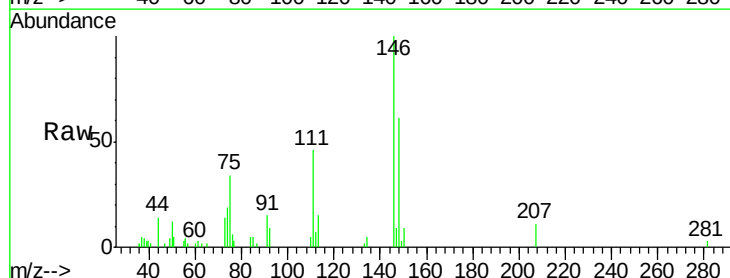
Tgt Ion: 146 Resp: 3994

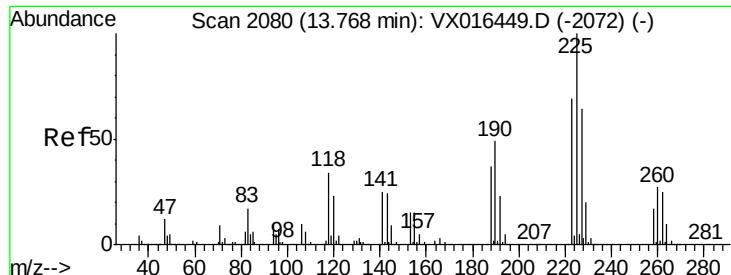
Ion Ratio Lower Upper

146 100

111 41.3 21.4 64.3

148 63.2 31.9 95.7





#94

Hexachlorobutadiene

Concen: 0.24 ug/l

RT: 13.77 min Scan# 2081

Delta R.T. 0.01 min

Lab File: VX016677.D

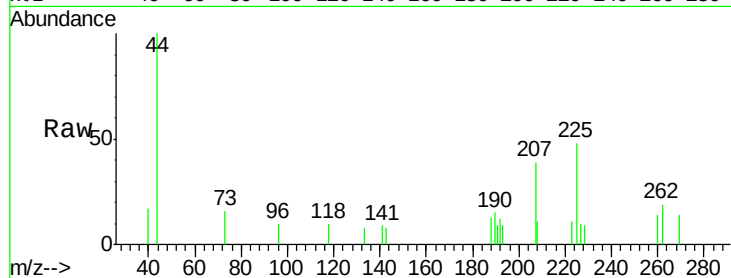
Acq: 10 Jun 2020 16:09

Instrument :

MSVOA_X

ClientSampleId :

LF014MW005-200608



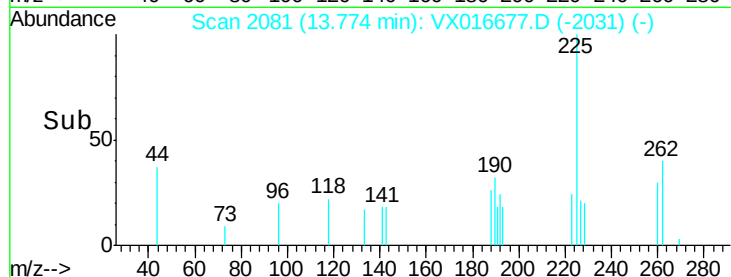
Tgt Ion: 225 Resp: 360

Ion Ratio Lower Upper

225 100

223 54.2 32.3 96.8

227 64.2 31.6 94.7



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

