

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052220\
 Data File : VX016403.D
 Acq On : 22 May 2020 11:50
 Operator : JC/SP
 Sample : L2730-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 23 01:33:12 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	5.63	168	231511	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	382536	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	372457	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	187999	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	131165	43.06	ug/l	0.00
Spiked Amount			Recovery	=	86.12%	
35) Dibromofluoromethane	5.46	113	109648	45.24	ug/l	0.00
Spiked Amount			Recovery	=	90.48%	
50) Toluene-d8	8.70	98	464185	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	
62) 4-Bromofluorobenzene	11.12	95	184468	51.94	ug/l	0.00
Spiked Amount			Recovery	=	103.88%	

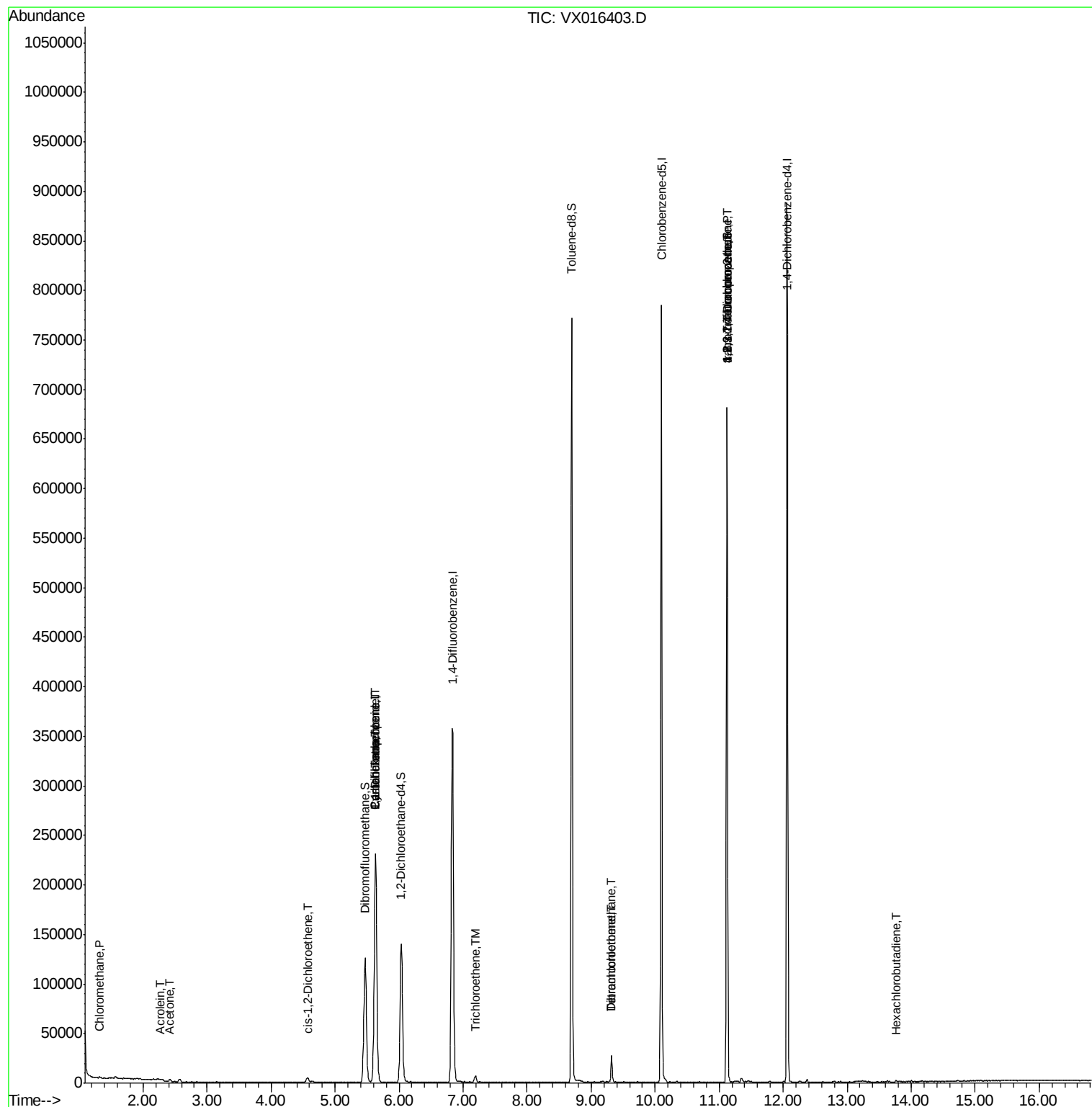
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1172	0.412	ug/l #	85
13) Acrolein	2.27	56	284	0.589	ug/l #	39
16) Acetone	2.42	43	2677	1.969	ug/l	98
17) Carbon Disulfide	2.55	76	1235	Below Cal	#	74
27) cis-1,2-Dichloroethene	4.57	96	3311	1.129	ug/l	82
31) Cyclohexane	5.63	56	4081	0.964	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	16265	4.319	ug/l #	50
38) Carbon Tetrachloride	5.63	117	21984	5.744	ug/l #	13
44) Trichloroethene	7.19	130	2424	0.619	ug/l	95
60) Dibromochloromethane	9.32	129	4352	1.462	ug/l #	11
64) Tetrachloroethene	9.32	164	4757	1.040	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.12	83	117	2.095	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	86715	20.326	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	86715	48.439	ug/l #	13
94) Hexachlorobutadiene	13.77	225	339	0.696	ug/l	96

(#) = 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: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX016403.D

Acq: 22 May 2020 11:50

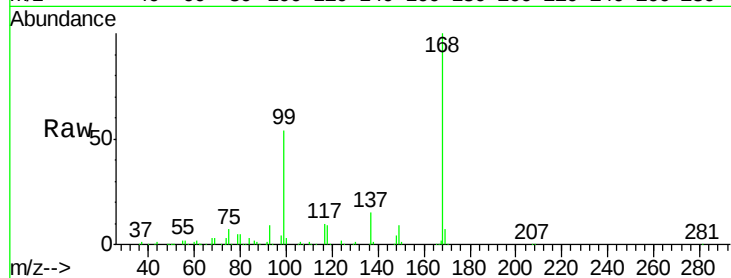
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 231511

Ion Ratio Lower Upper

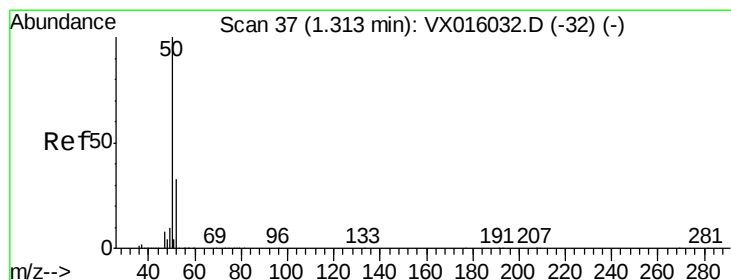
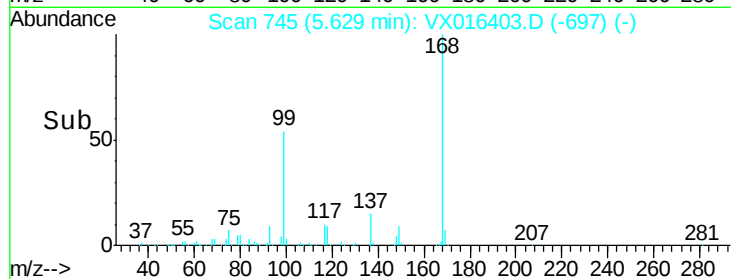
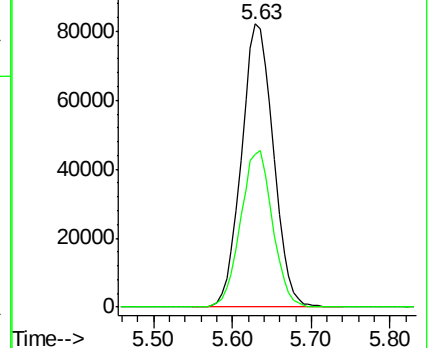
168 100

99 54.2 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.412 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016403.D

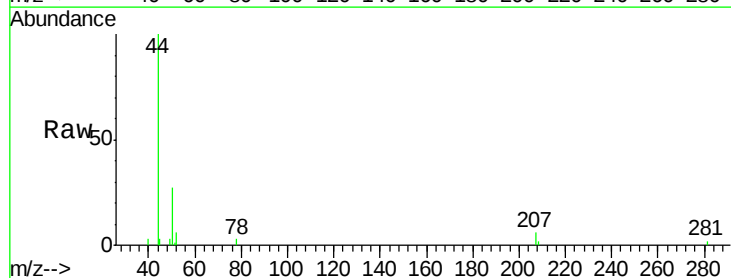
Acq: 22 May 2020 11:50

Tgt Ion: 50 Resp: 1172

Ion Ratio Lower Upper

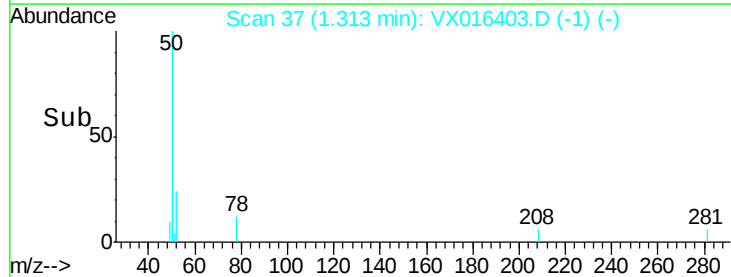
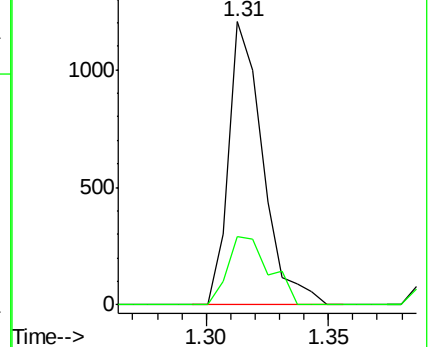
50 100

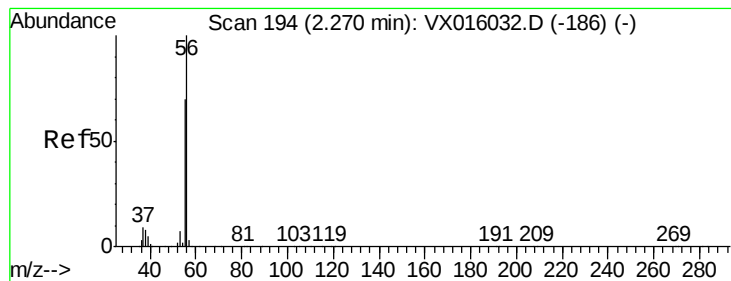
52 24.0 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#13

Acrolein

Concen: 0.589 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016403.D

Acq: 22 May 2020 11:50

Instrument :

MSVOA_X

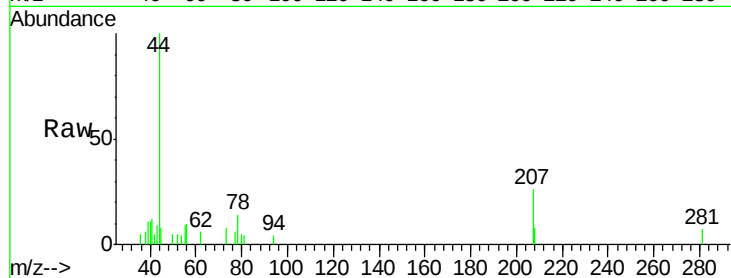
ClientSampled :

Tot Ion: 56 Resp: 284

Ion Ratio Lower Upper

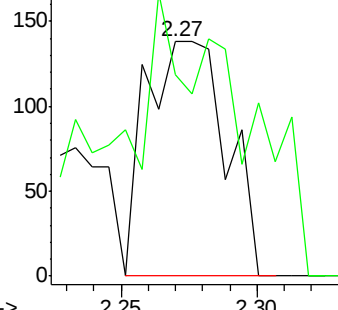
56 100

55 20.1 56.5 84.7#

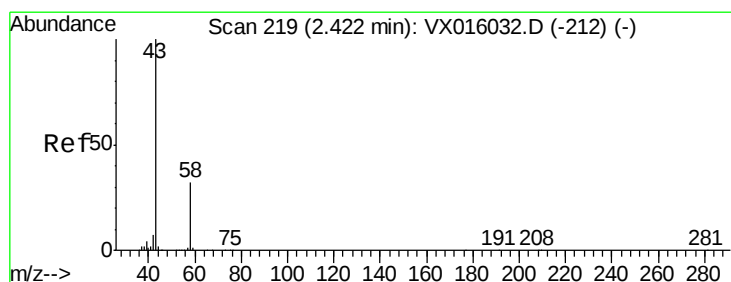
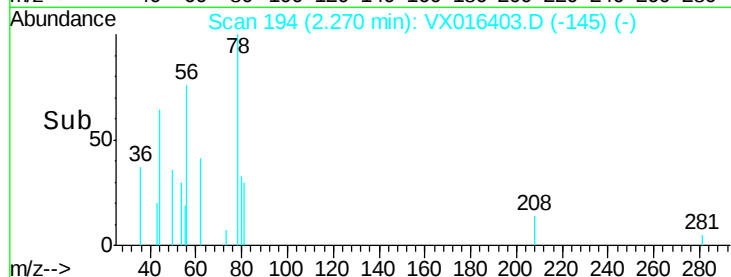


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 1.969 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016403.D

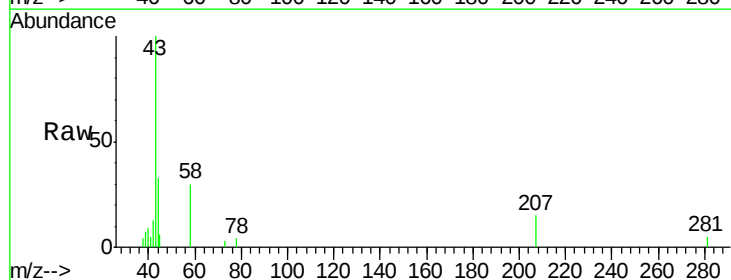
Acq: 22 May 2020 11:50

Tgt Ion: 43 Resp: 2677

Ion Ratio Lower Upper

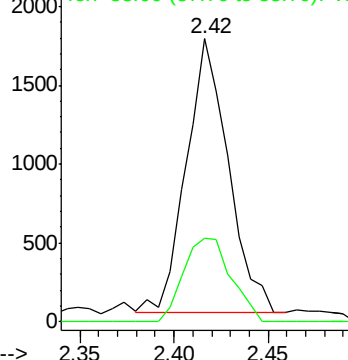
43 100

58 30.8 25.4 38.0

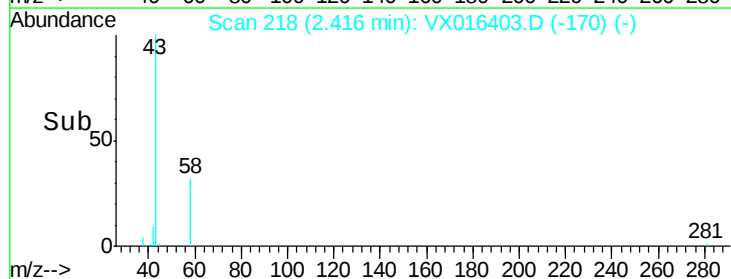


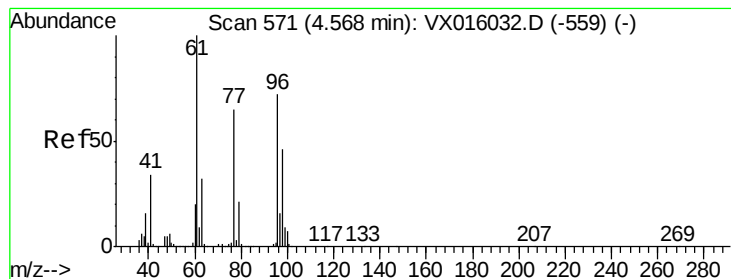
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



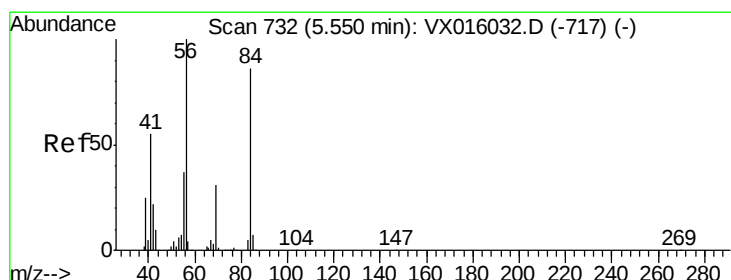
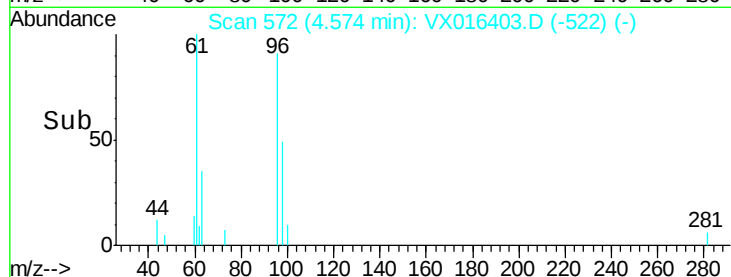
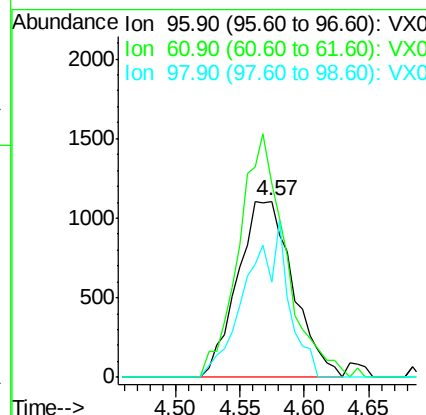
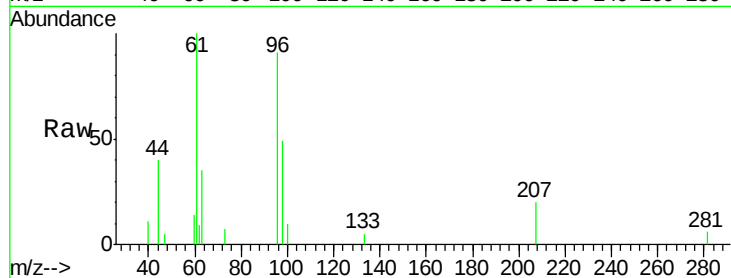


#27

cis-1,2-Dichloroethene
 Concen: 1.129 ug/l
 RT: 4.57 min Scan# 572
 Delta R.T. 0.01 min
 Lab File: VX016403.D
 Acq: 22 May 2020 11:50

Instrument :
 MSVOA_X
 ClientSampleId :

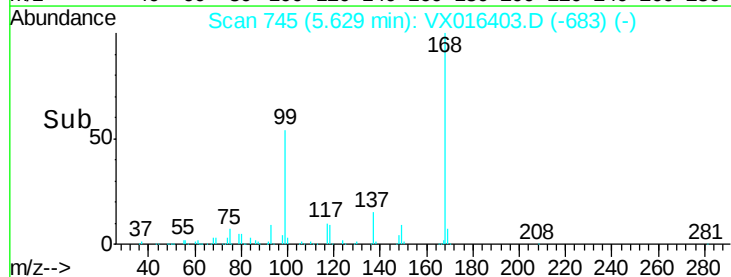
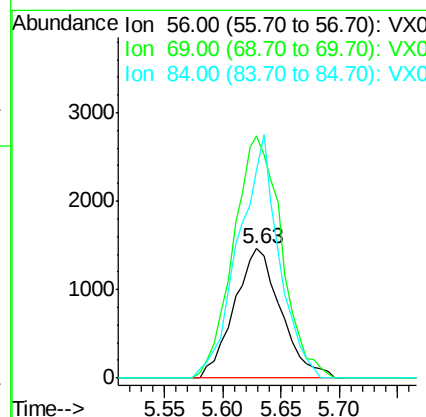
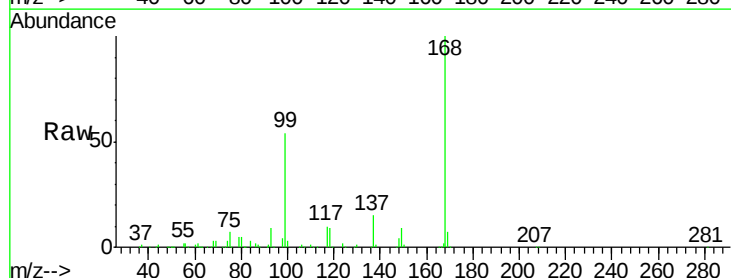
Tot Ion	Ratio	Lower	Upper
96	100		
61	117.4	0.0	296.2
98	66.8	0.0	129.4

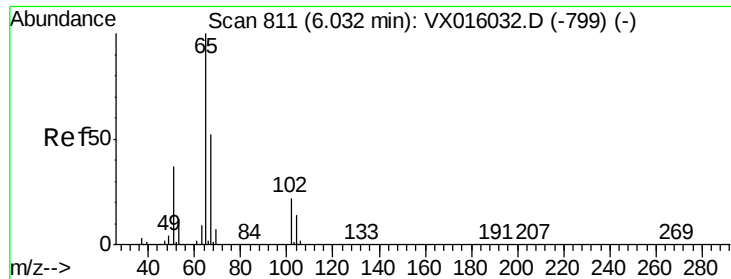


#31

Cyclohexane
 Concen: 0.964 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. 0.08 min
 Lab File: VX016403.D
 Acq: 22 May 2020 11:50

Tgt Ion	Ratio	Lower	Upper
56	100		
69	187.7	25.0	37.6#
84	160.7	69.0	103.6#





#33

1,2-Dichloroethane-d4

Concen: 43.055 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016403.D

Acq: 22 May 2020 11:50

Instrument :

MSVOA_X

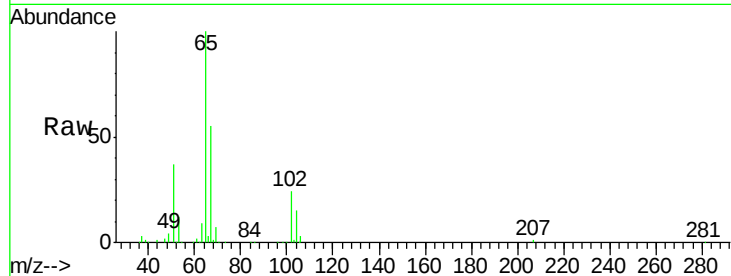
ClientSampleId :

Tot Ion: 65 Resp: 131165

Ion Ratio Lower Upper

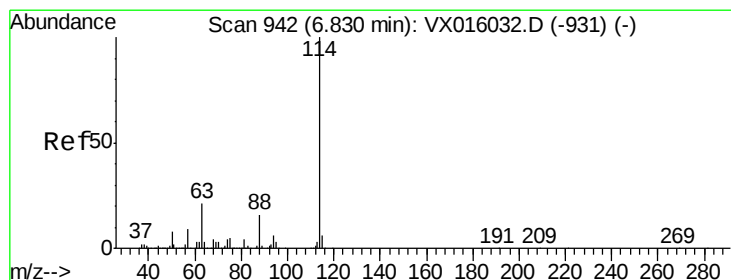
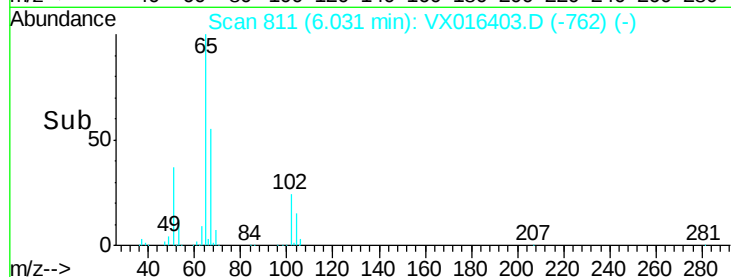
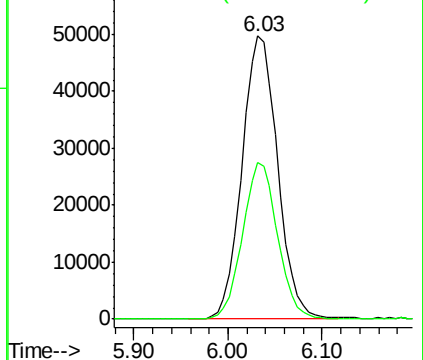
65 100

67 54.2 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: VX016403.D

Acq: 22 May 2020 11:50

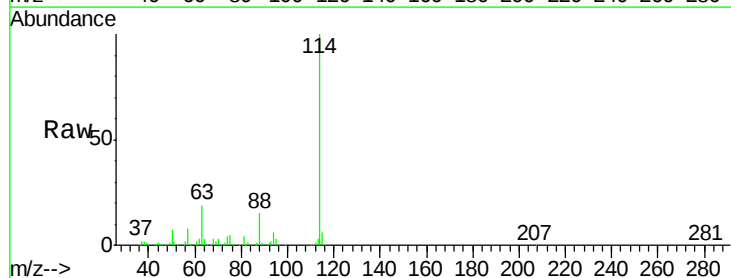
Tgt Ion: 114 Resp: 382536

Ion Ratio Lower Upper

114 100

63 18.6 0.0 42.8

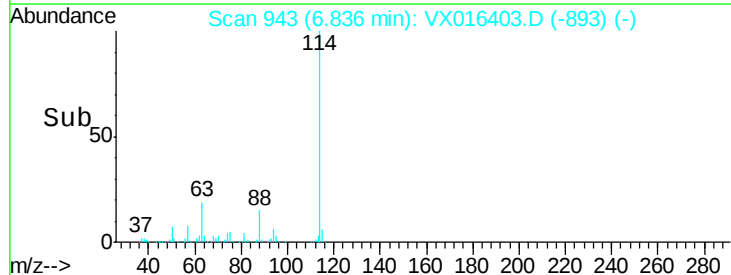
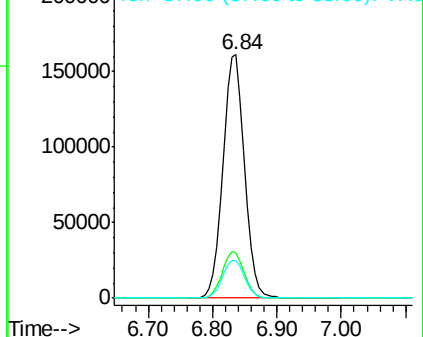
88 15.5 0.0 31.4

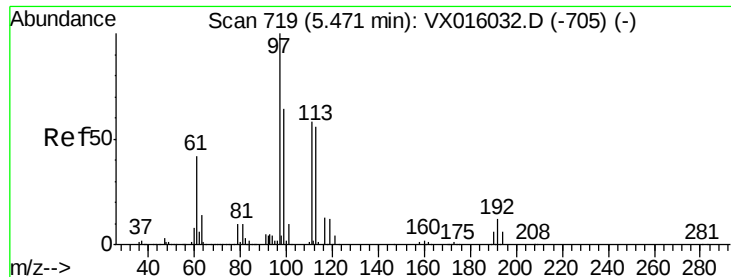


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

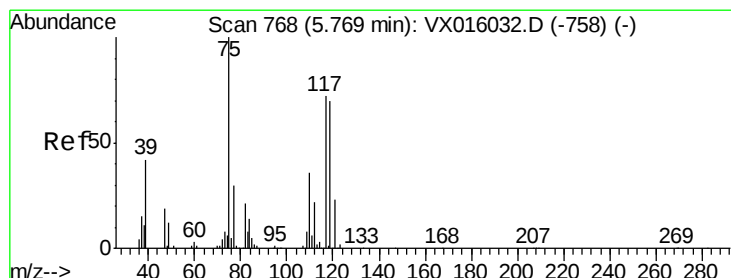
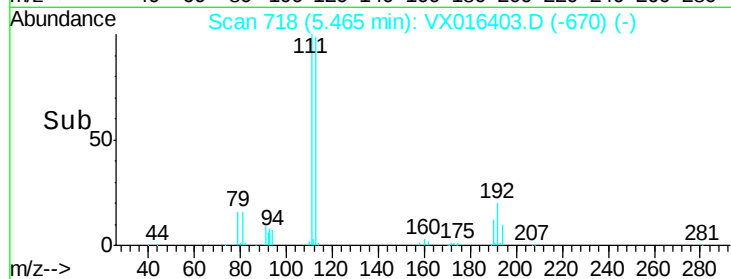
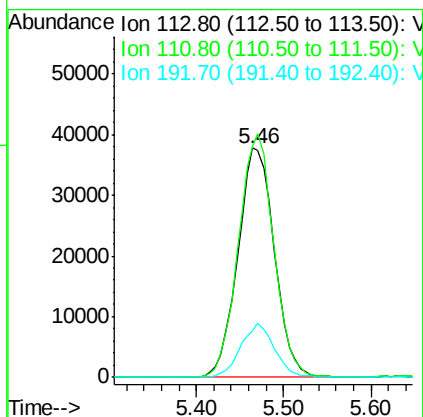
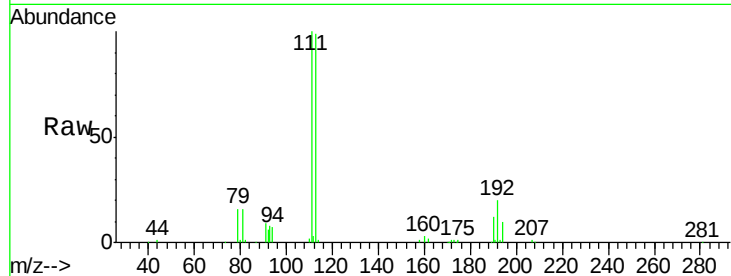




#35
 Dibromofluoromethane
 Concen: 45.243 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX016403.D
 Acq: 22 May 2020 11:50

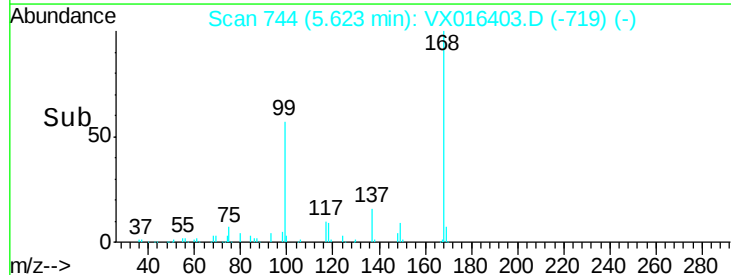
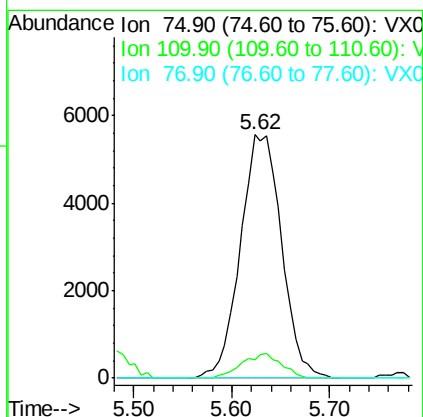
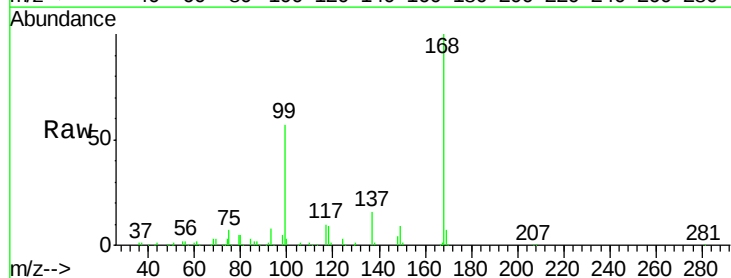
Instrument :
 MSVOA_X
 ClientSampleId :

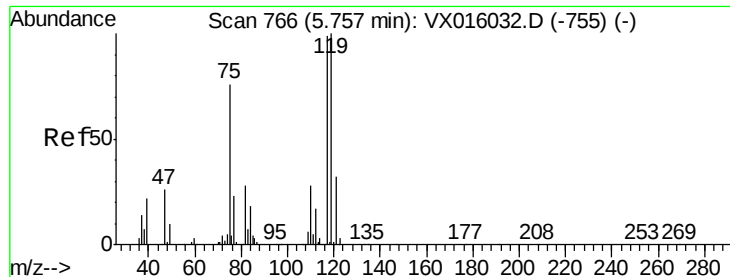
Tot Ion:113 Resp: 109648
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.6 122.4
 192 21.7 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 4.319 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.15 min
 Lab File: VX016403.D
 Acq: 22 May 2020 11:50

Tgt Ion: 75 Resp: 16265
 Ion Ratio Lower Upper
 75 100
 110 9.6 18.1 54.1#
 77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 5.744 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016403.D

Acq: 22 May 2020 11:50

Instrument :

MSVOA_X

ClientSampleId :

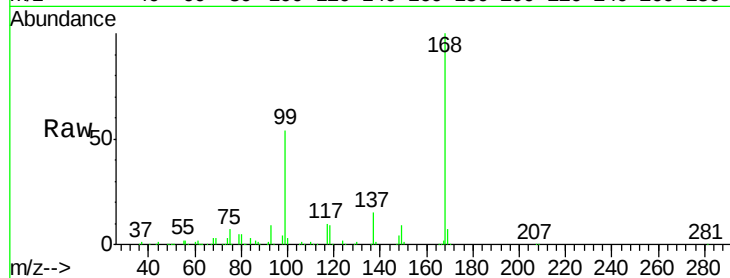
Tot Ion:117 Resp: 21984

Ion Ratio Lower Upper

117 100

119 4.4 80.3 120.5#

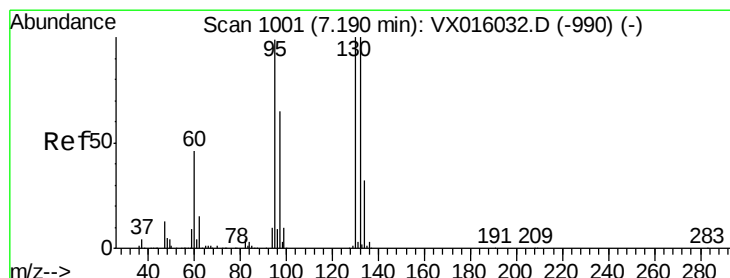
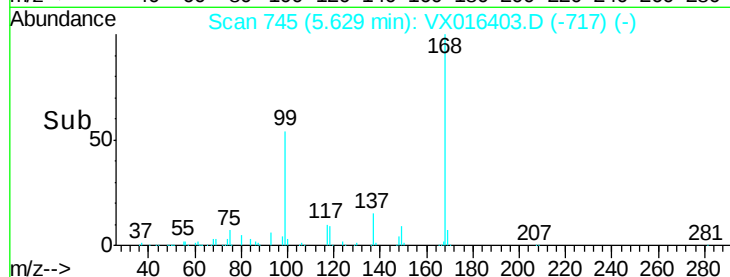
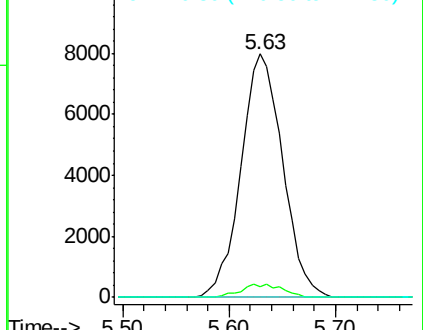
121 0.0 25.7 38.5#



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: 0.619 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016403.D

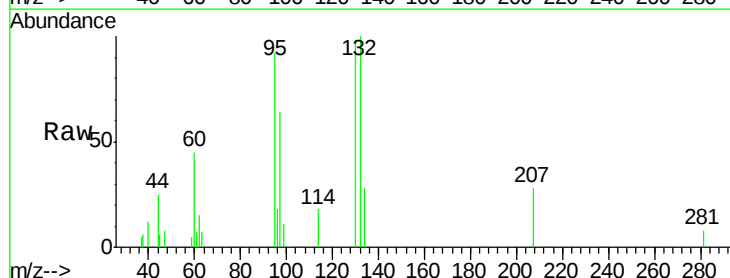
Acq: 22 May 2020 11:50

Tgt Ion:130 Resp: 2424

Ion Ratio Lower Upper

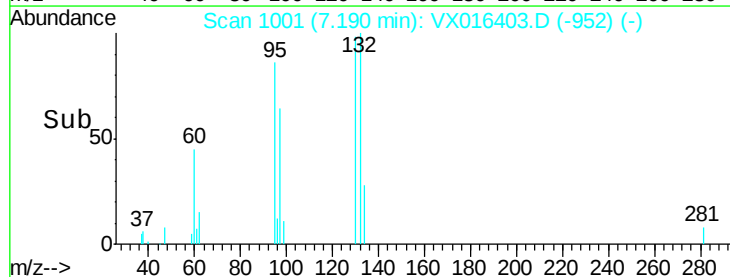
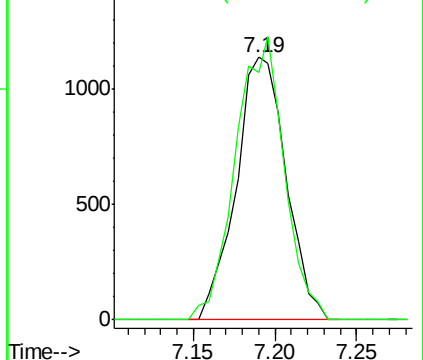
130 100

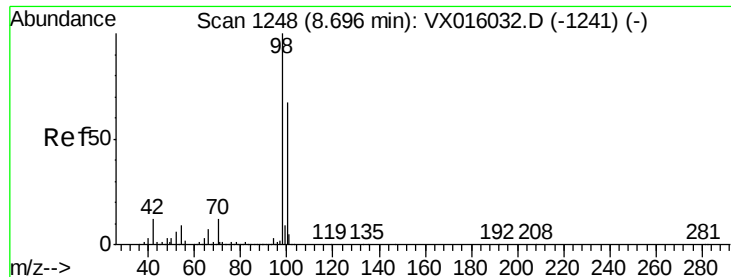
95 94.0 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 49.709 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX016403.D

Acq: 22 May 2020 11:50

Instrument :

MSVOA_X

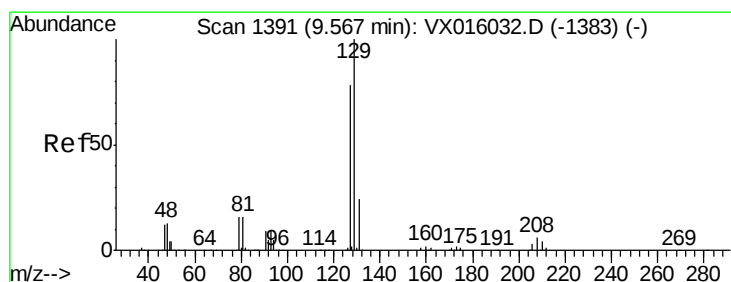
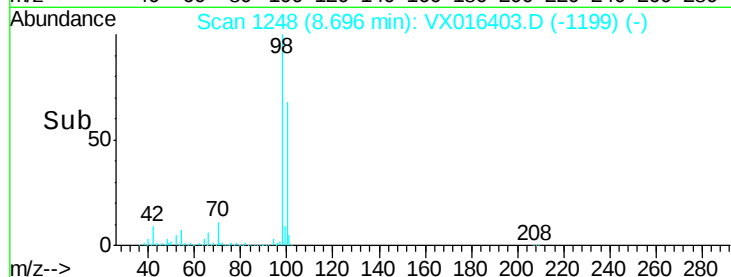
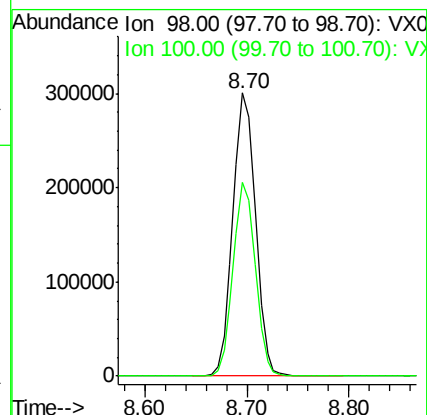
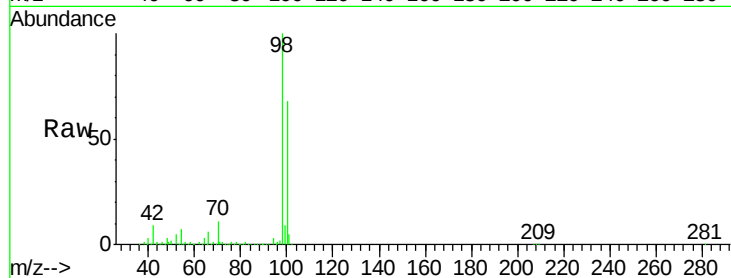
ClientSampleId :

Tot Ion: 98 Resp: 464185

Ion Ratio Lower Upper

98 100

100 67.2 53.7 80.5



#60

Dibromochloromethane

Concen: 1.462 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.25 min

Lab File: VX016403.D

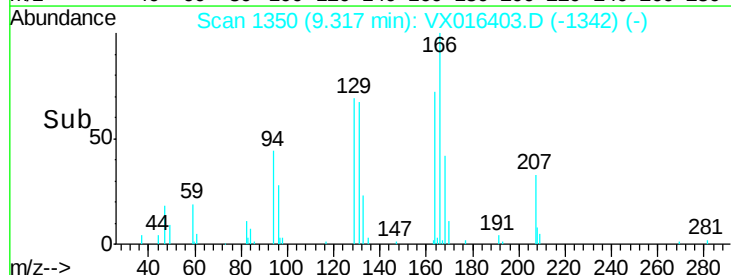
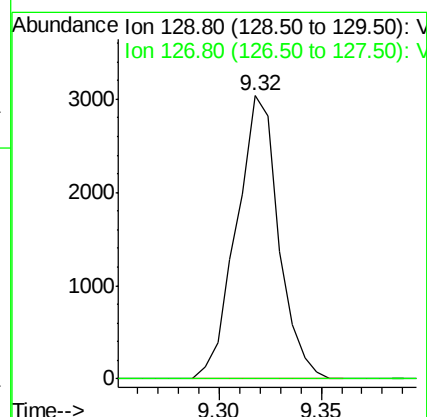
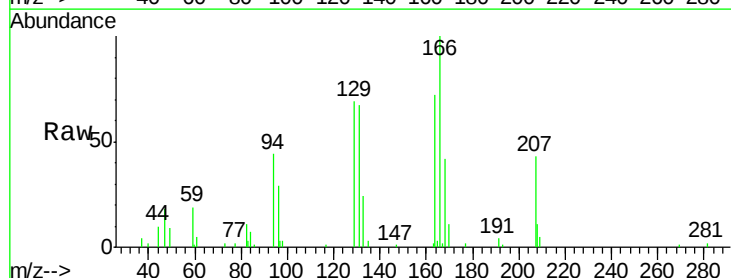
Acq: 22 May 2020 11:50

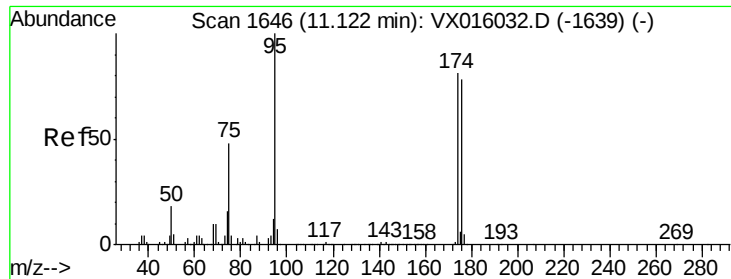
Tgt Ion: 129 Resp: 4352

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#

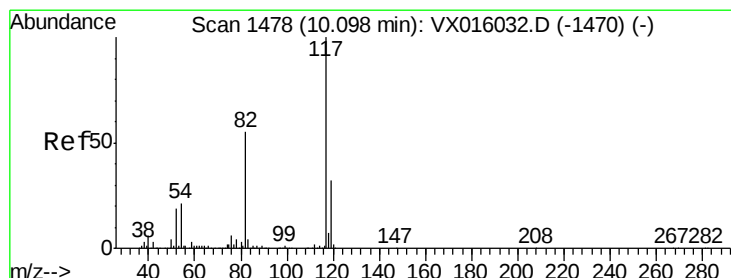
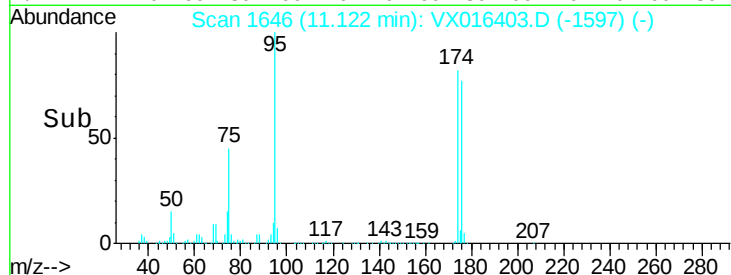
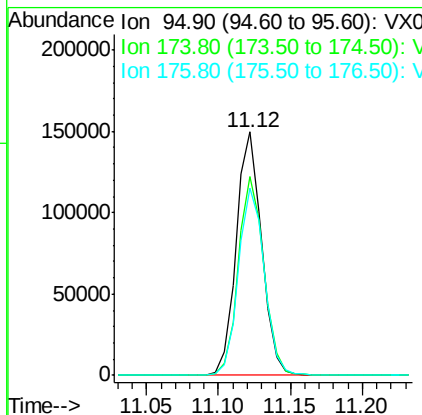
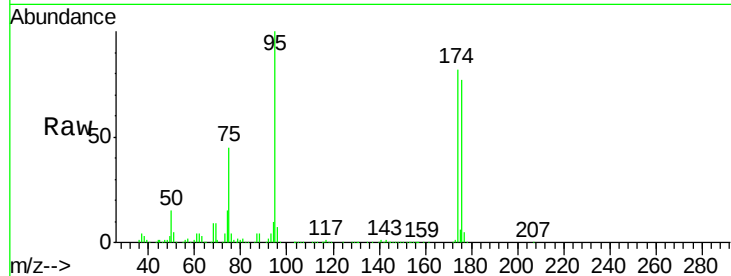




#62
4-Bromofluorobenzene
Concen: 51.937 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016403.D
Acq: 22 May 2020 11:50

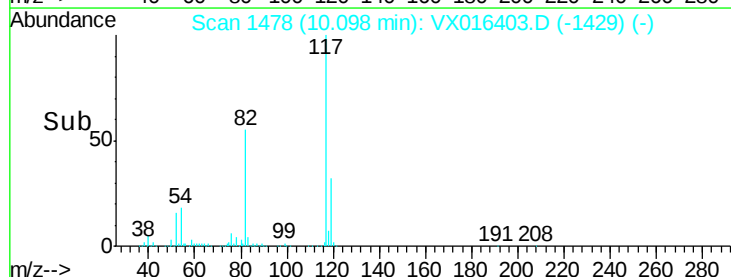
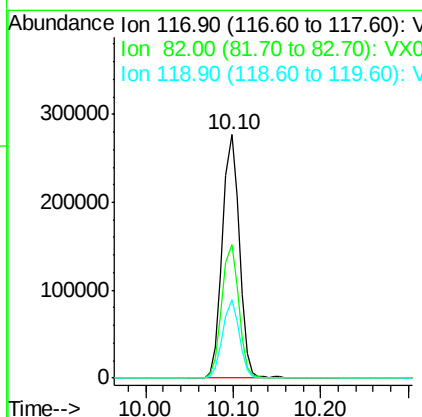
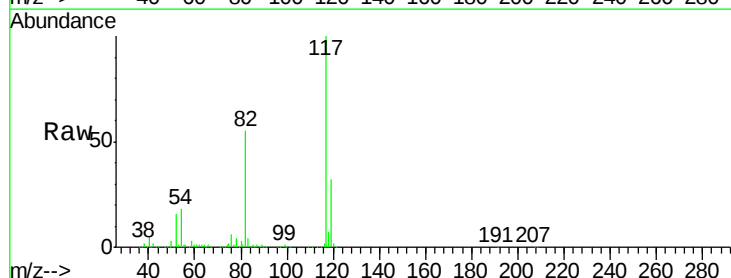
Instrument :
MSVOA_X
ClientSampleId :

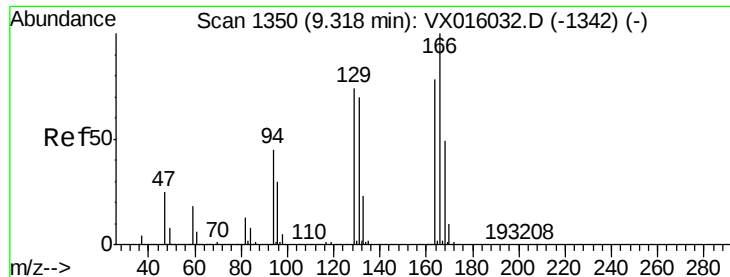
Tot Ion	95	Resp	184468
Ion Ratio	Lower	Upper	
95	100		
174	81.6	0.0	159.4
176	78.3	0.0	157.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016403.D
Acq: 22 May 2020 11:50

Tgt Ion	117	Resp	372457
Ion Ratio	Lower	Upper	
117	100		
82	54.7	44.4	66.6
119	32.1	25.5	38.3





#64

Tetrachloroethene

Concen: 1.040 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX016403.D

Acq: 22 May 2020 11:50

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:164 Resp: 4757

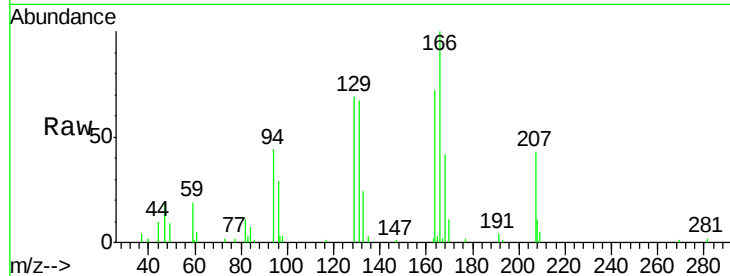
Ion Ratio Lower Upper

164 100

166 139.6 102.9 154.3

129 96.5 76.1 114.1

131 92.9 71.9 107.9

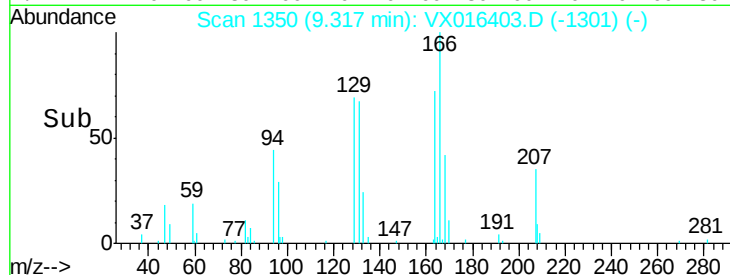


Abundance Ion 163.80 (163.50 to 164.50): V

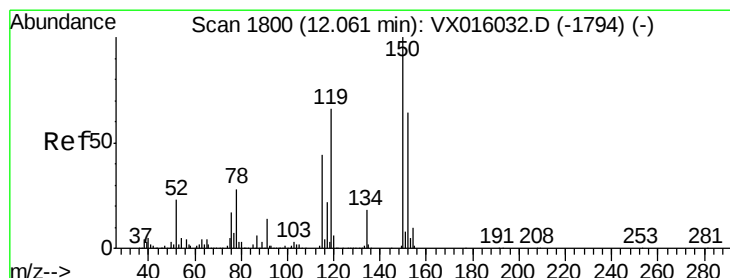
Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



Time--> 9.25 9.30 9.35



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016403.D

Acq: 22 May 2020 11:50

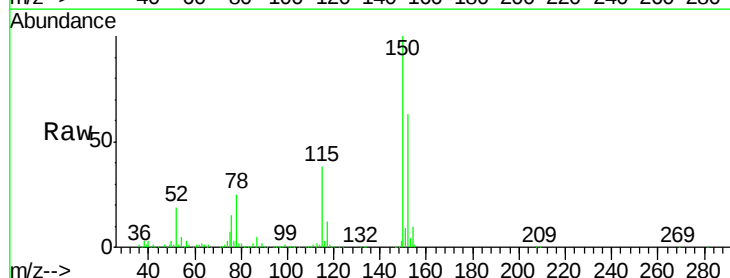
Tgt Ion:152 Resp: 187999

Ion Ratio Lower Upper

152 100

115 57.7 41.3 124.1

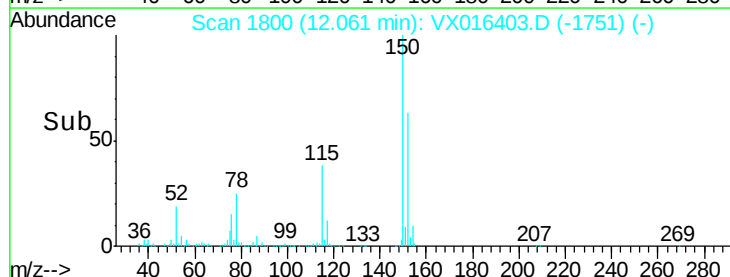
150 154.7 0.0 352.2



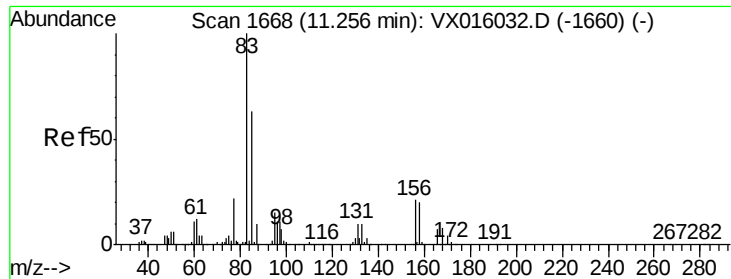
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Time--> 12.00 12.05 12.10 12.15



#75

1,1,2,2-Tetrachloroethane

Concen: 2.095 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016403.D

Acq: 22 May 2020 11:50

Instrument :

MSVOA_X

ClientSampled :

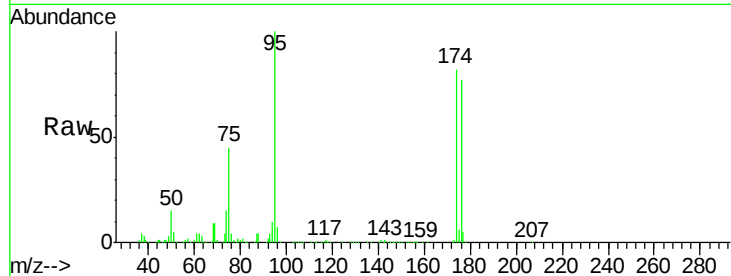
Tot Ion: 83 Resp: 117

Ion Ratio Lower Upper

83 100

131 181.2 5.1 15.4#

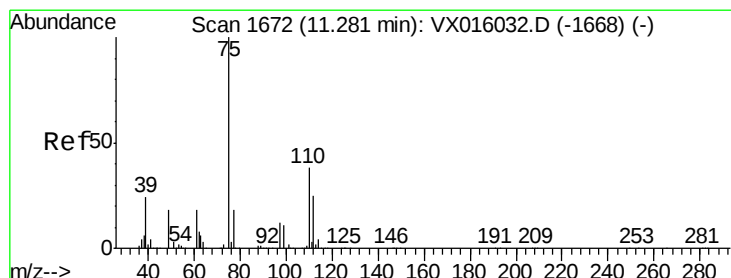
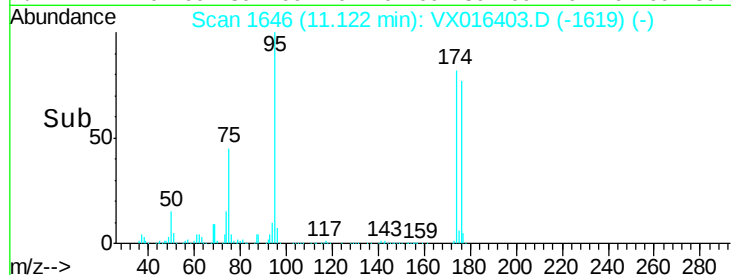
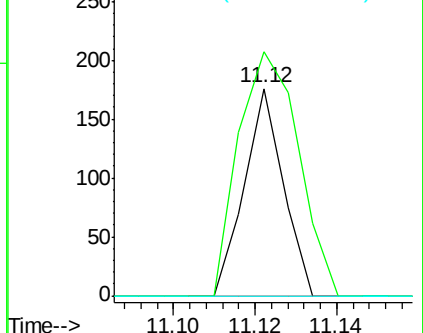
85 0.0 32.0 96.0#



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: 20.326 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016403.D

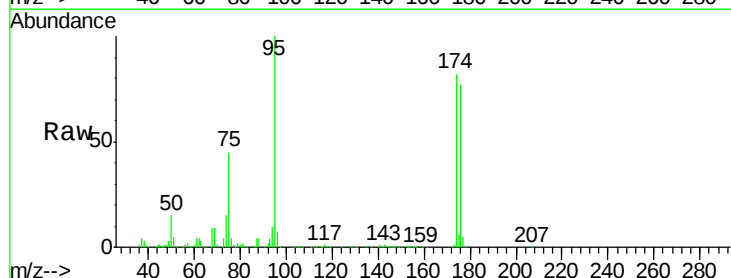
Acq: 22 May 2020 11:50

Tgt Ion: 75 Resp: 86715

Ion Ratio Lower Upper

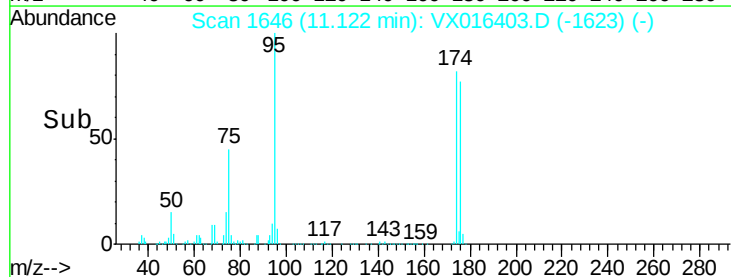
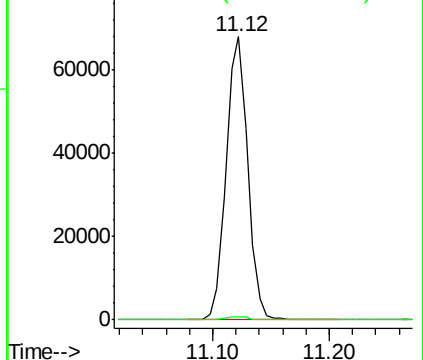
75 100

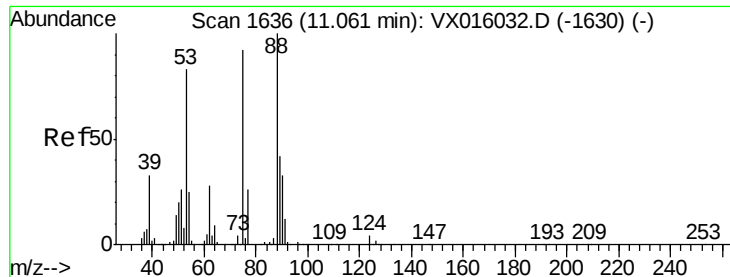
77 1.3 21.2 63.6#



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: 48.439 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016403.D

Acq: 22 May 2020 11:50

Instrument :

MSVOA_X

ClientSampleId :

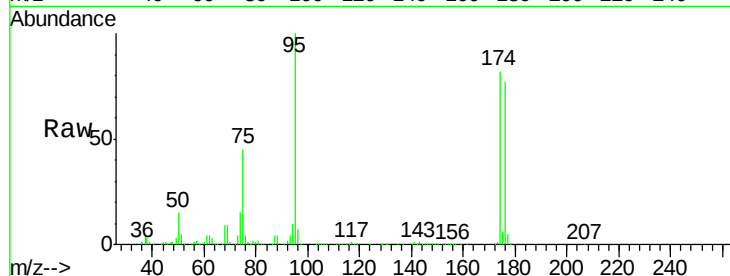
Tot Ion: 75 Resp: 86715

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

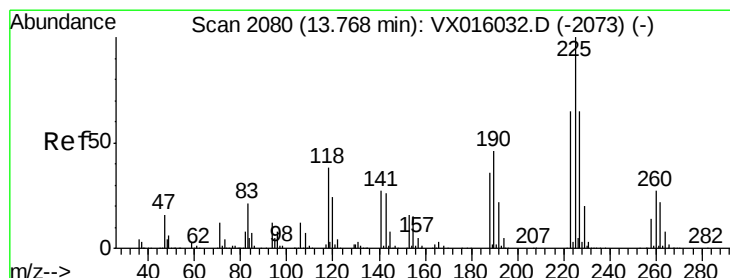
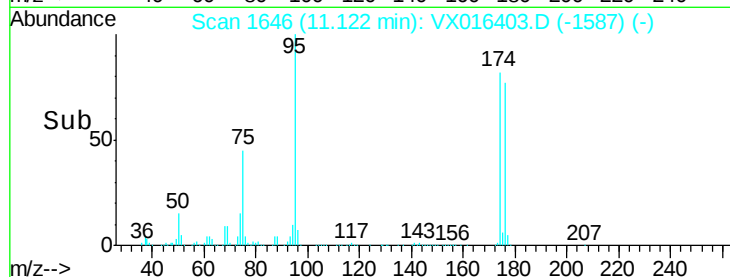
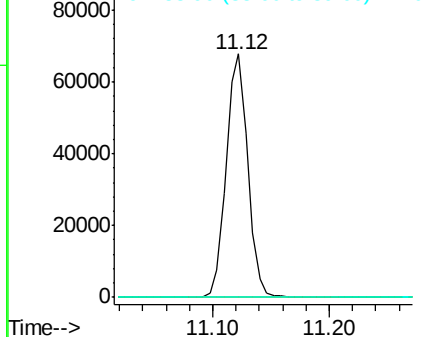
89 0.0 36.7 55.1#



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: 0.696 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX016403.D

Acq: 22 May 2020 11:50

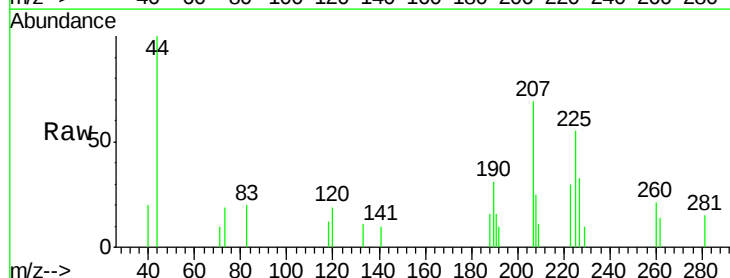
Tgt Ion: 225 Resp: 339

Ion Ratio Lower Upper

225 100

223 61.1 32.3 96.9

227 66.1 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

