

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050919\
 Data File : VX009424.D
 Acq On : 09 May 2019 13:51
 Operator : JC/SP
 Sample : K2748-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 10 07:06:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

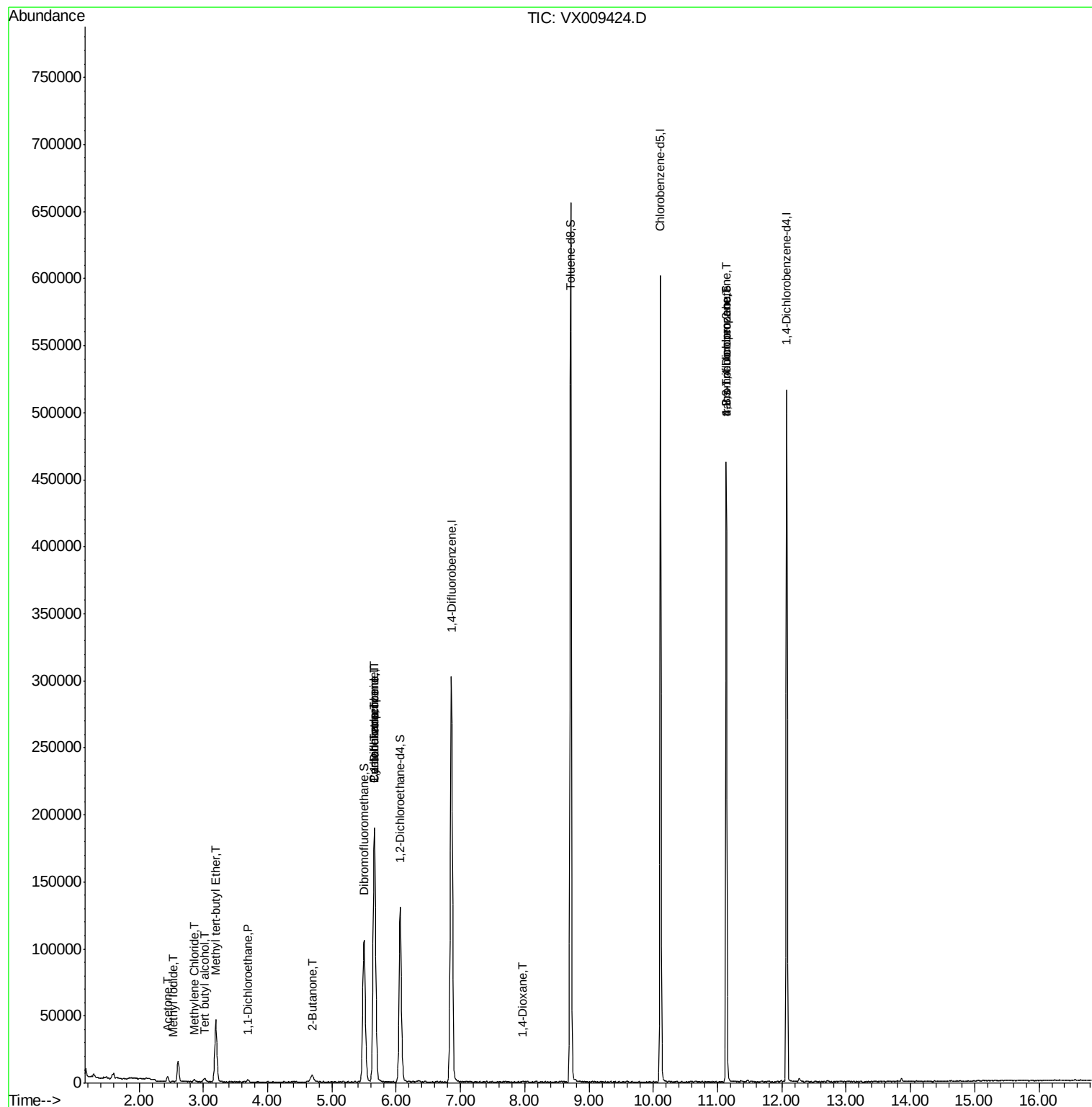
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	186577	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	299302	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	258221	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	106801	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	121859	47.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.68%	
35) Dibromofluoromethane	5.50	113	91644	48.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.42%	
50) Toluene-d8	8.71	98	372660	49.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.12%	
62) 4-Bromofluorobenzene	11.13	95	118428	42.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.82%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.53	142	176	4.673	ug/l #	78
11) Tert butyl alcohol	3.02	59	1901	3.224	ug/l #	73
16) Acetone	2.44	43	4735	3.462	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	49948	7.347	ug/l	98
20) Methylene Chloride	2.85	84	615	0.278	ug/l #	89
24) 1,1-Dichloroethane	3.69	63	1814	0.448	ug/l #	84
25) 2-Butanone	4.70	43	883	0.415	ug/l #	53
28) Bromochloromethane	5.02	49	24	Below Cal	#	20
31) Cyclohexane	5.66	56	4147	1.101	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14480	5.206	ug/l #	51
38) Carbon Tetrachloride	5.67	117	17780	7.036	ug/l #	15
49) 1,4-Dioxane	7.97	88	24	0.385	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	60467	24.407	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	60467	62.450	ug/l #	10

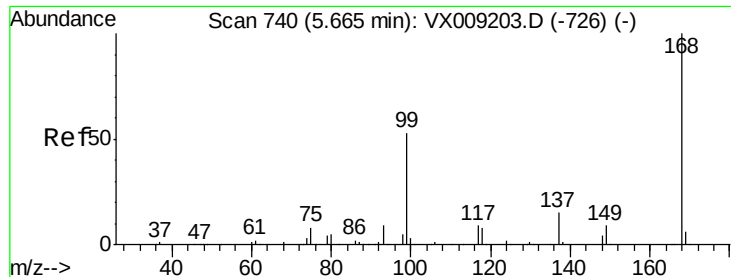
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: May 10 07:06:30 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009424.D

Acq: 09 May 2019 13:51

Instrument :

MSVOA_X

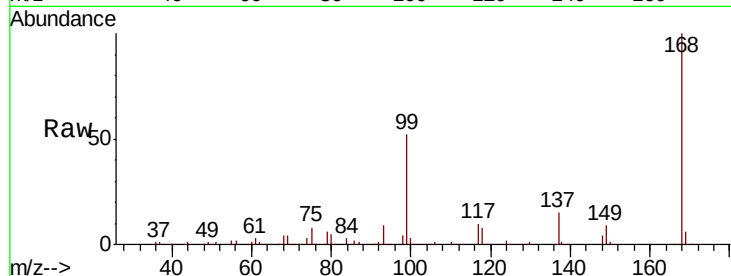
ClientSampleId :

Tot Ion:168 Resp: 186577

Ion Ratio Lower Upper

168 100

99 52.3 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

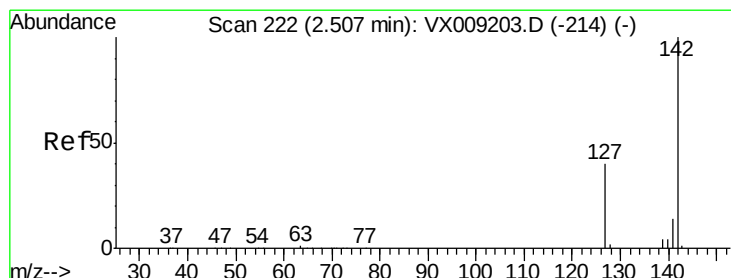
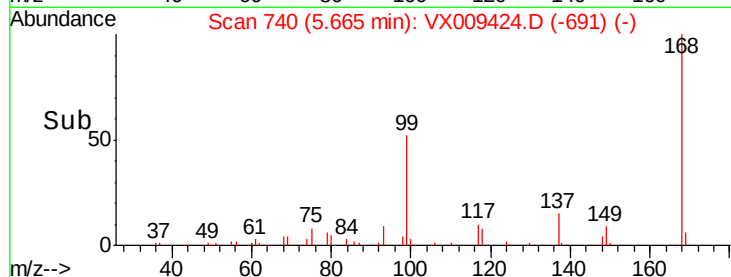
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#10

Methyl Iodide

Concen: 4.673 ug/l

RT: 2.53 min Scan# 226

Delta R.T. 0.02 min

Lab File: VX009424.D

Acq: 09 May 2019 13:51

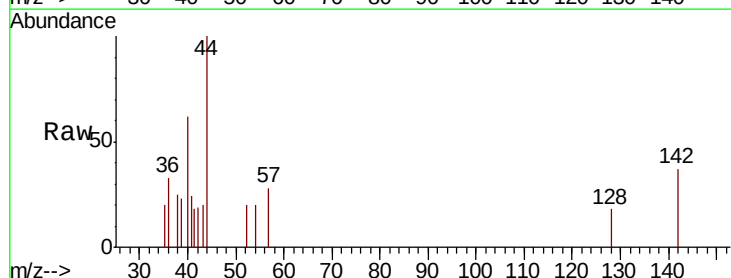
Tgt Ion:142 Resp: 176

Ion Ratio Lower Upper

142 100

127 30.1 32.7 49.1#

141 0.0 11.5 17.3#



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

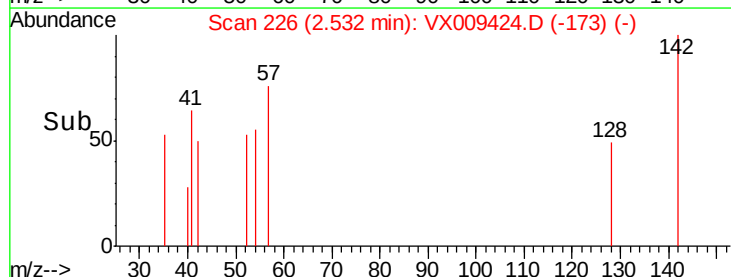
2.53

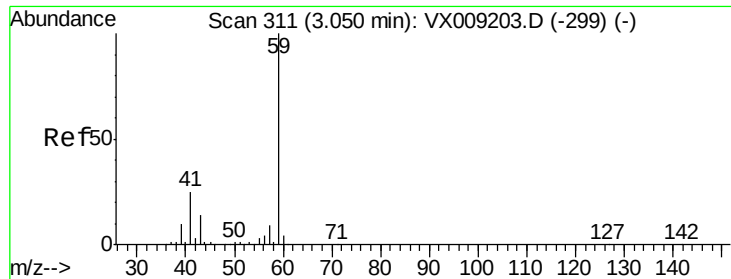
100

50

0

Time--> 2.50 2.55

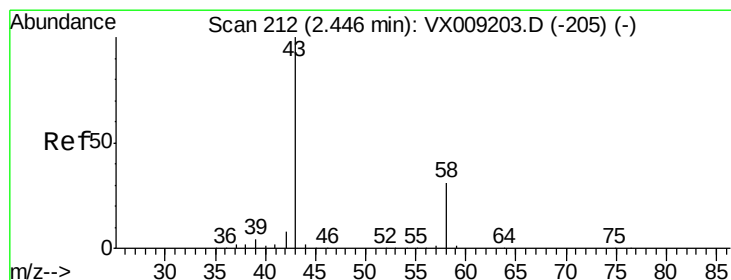
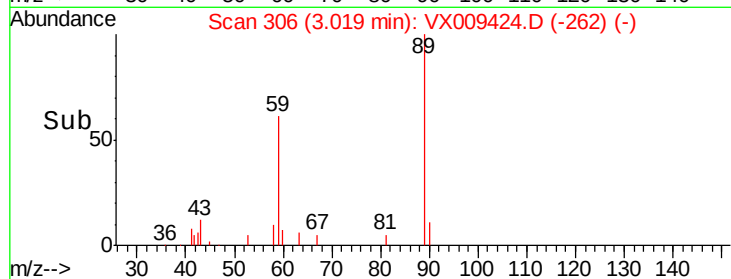
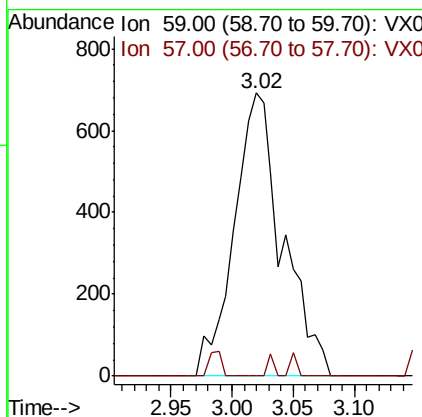
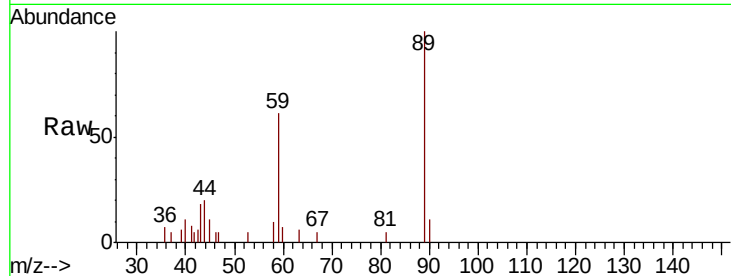




#11
Tert butyl alcohol
Concen: 3.224 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX009424.D
Acq: 09 May 2019 13:51

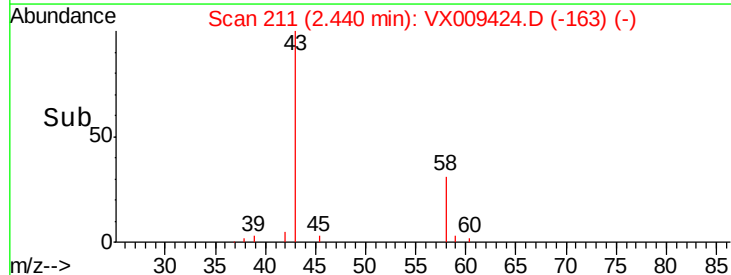
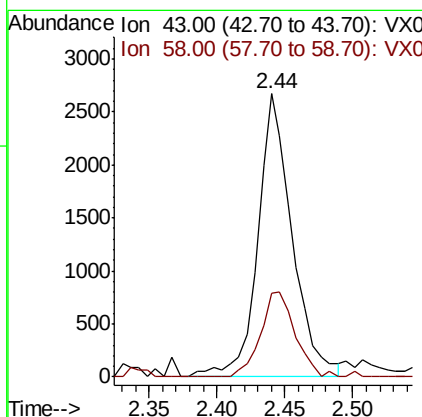
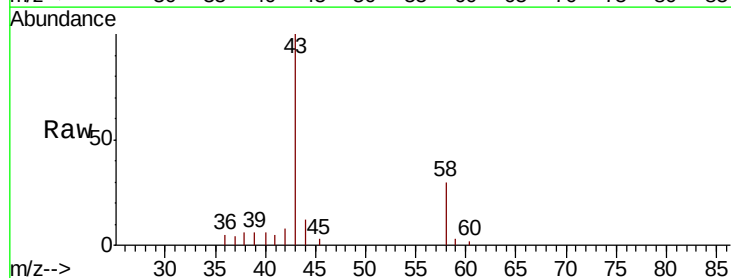
Instrument :
MSVOA_X
ClientSampleId :

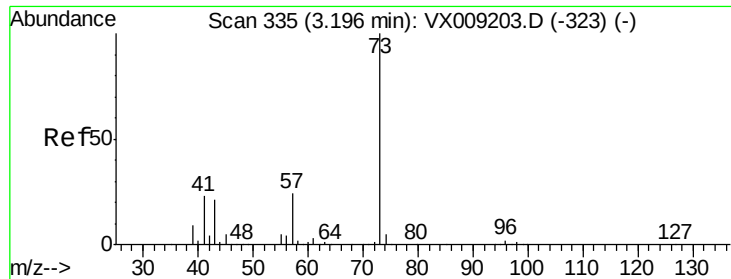
Tot Ion: 59 Resp: 1901
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: 3.462 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX009424.D
Acq: 09 May 2019 13:51

Tgt Ion: 43 Resp: 4735
Ion Ratio Lower Upper
43 100
58 29.7 24.9 37.3



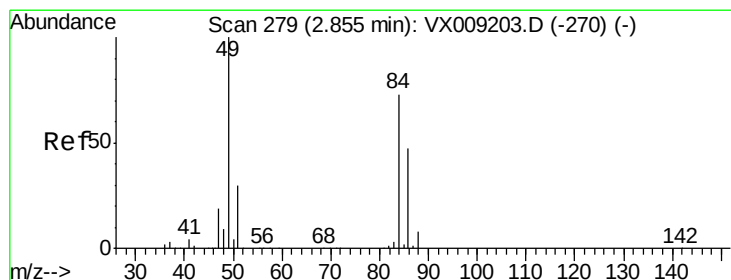
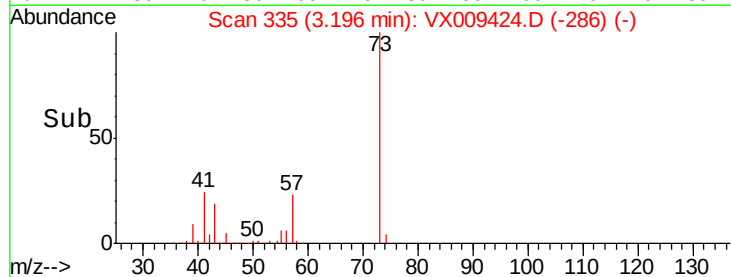
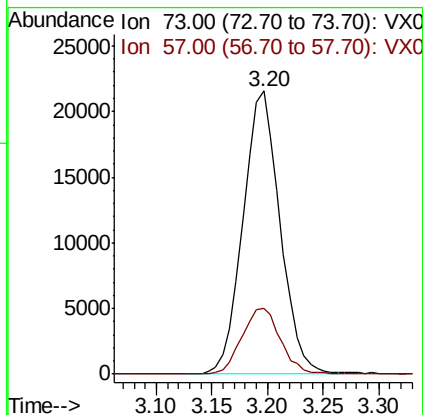
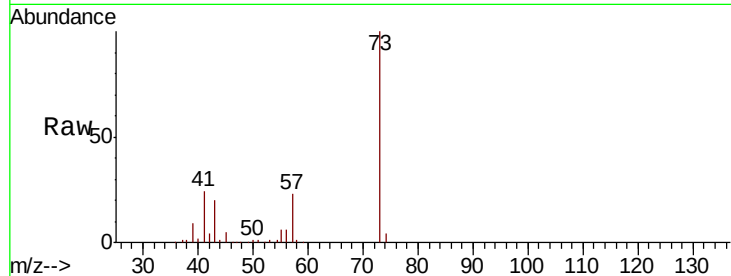


#19

Methyl tert-butyl Ether
 Concen: 7.347 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VX009424.D
 Acq: 09 May 2019 13:51

Instrument :
 MSVOA_X
 ClientSampled :

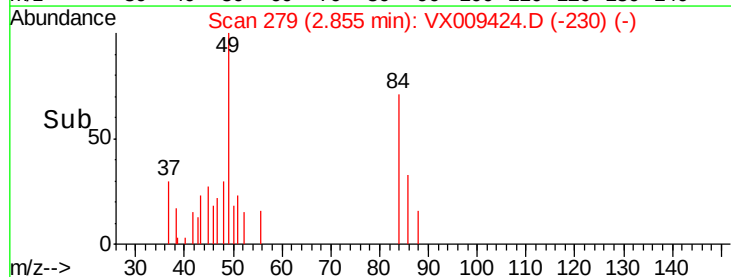
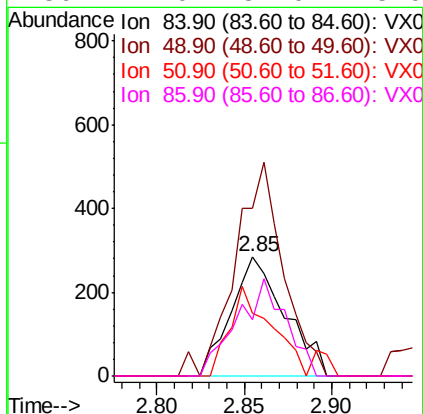
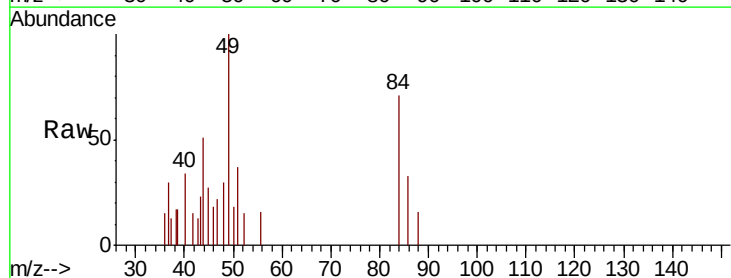
Tot Ion: 73 Resp: 49948
 Ion Ratio Lower Upper
 73 100
 57 23.3 19.3 28.9

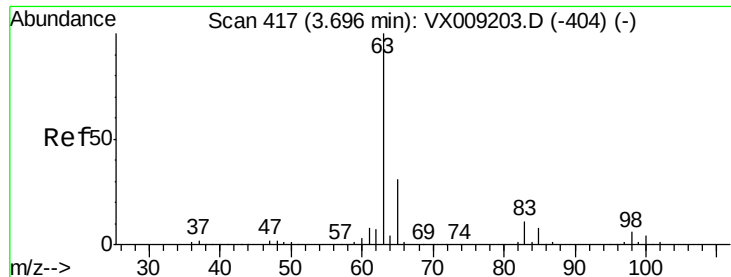


#20

Methylene Chloride
 Concen: 0.278 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX009424.D
 Acq: 09 May 2019 13:51

Tgt Ion: 84 Resp: 615
 Ion Ratio Lower Upper
 84 100
 49 140.7 109.9 164.9
 51 52.3 32.7 49.1#
 86 47.0 52.0 78.0#





#24

1,1-Dichloroethane

Concen: 0.448 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX009424.D

Acq: 09 May 2019 13:51

Instrument :

MSVOA_X

ClientSampled :

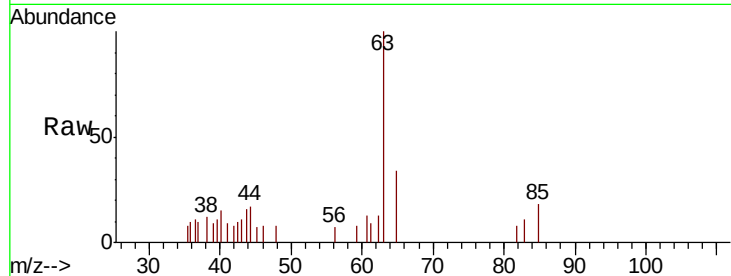
Tot Ion: 63 Resp: 1814

Ion Ratio Lower Upper

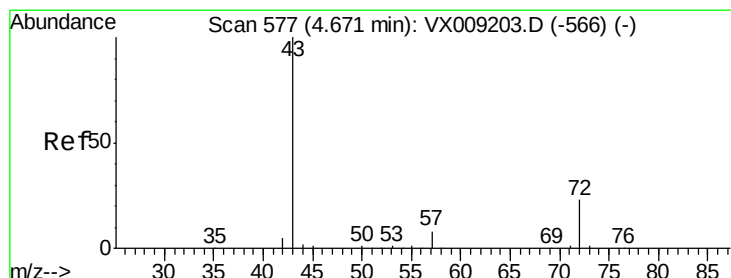
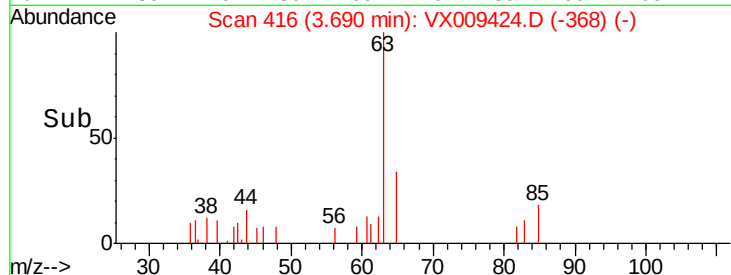
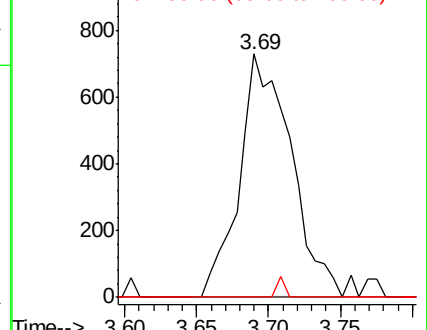
63 100

98 0.0 3.0 9.2#

100 0.0 2.0 6.0#



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



#25

2-Butanone

Concen: 0.415 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX009424.D

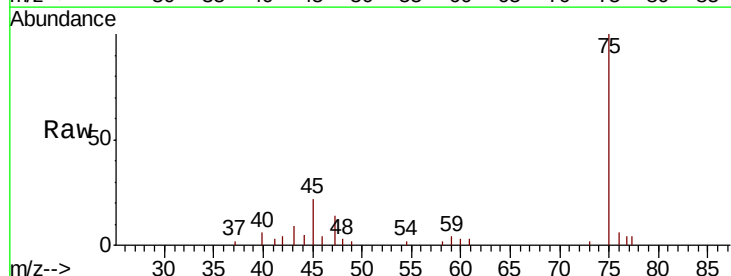
Acq: 09 May 2019 13:51

Tgt Ion: 43 Resp: 883

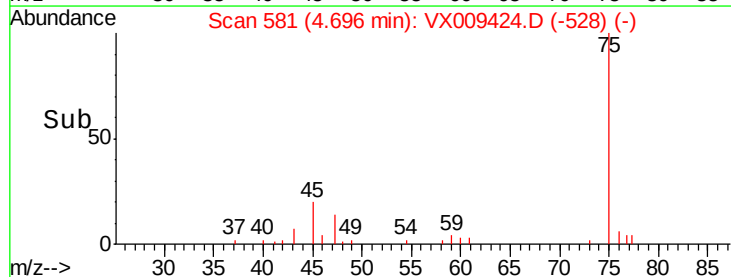
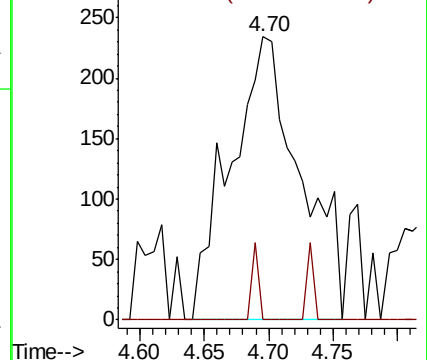
Ion Ratio Lower Upper

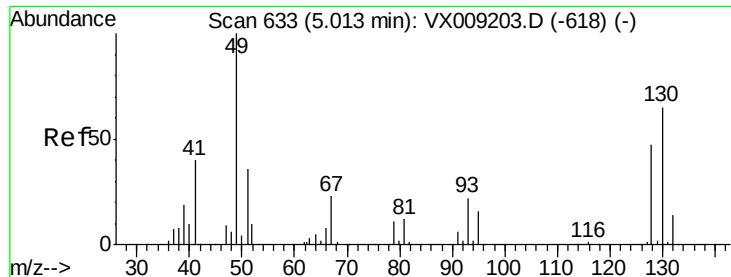
43 100

72 0.0 18.2 27.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

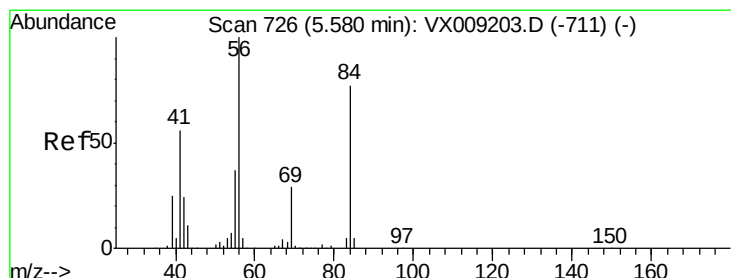
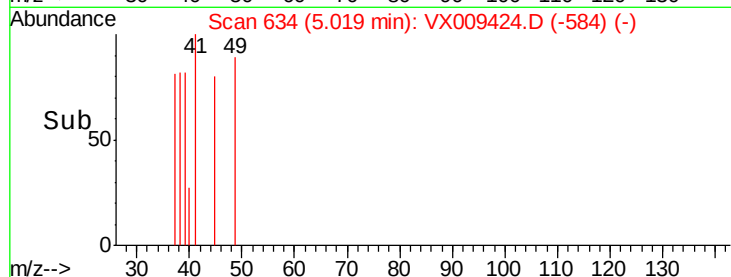
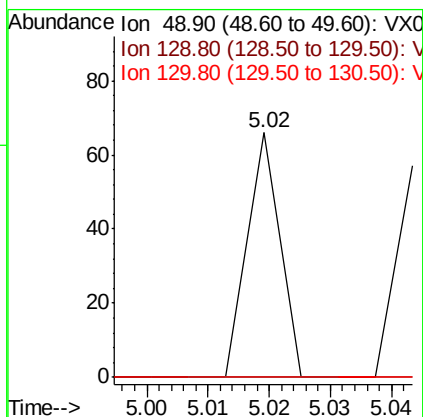
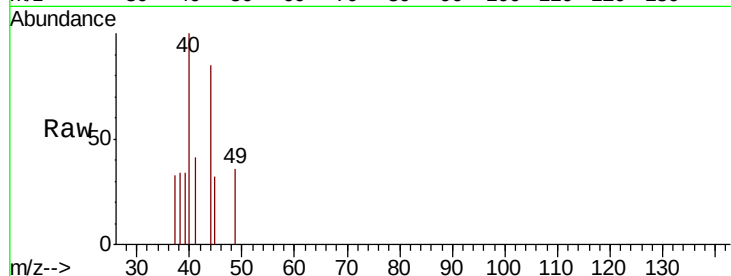
Delta R.T. 0.01 min

Lab File: VX009424.D

Acq: 09 May 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 49 Resp: 24
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 51.2 76.8#



#31

Cyclohexane

Concen: 1.101 ug/l

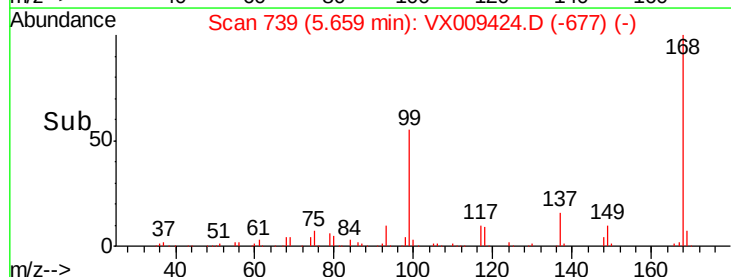
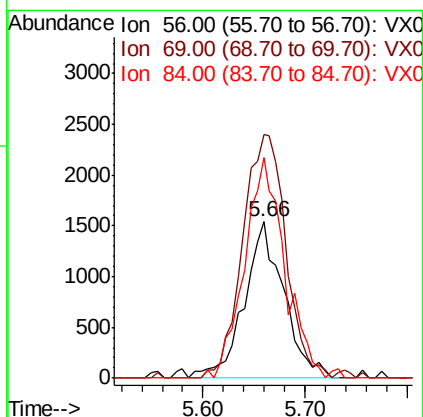
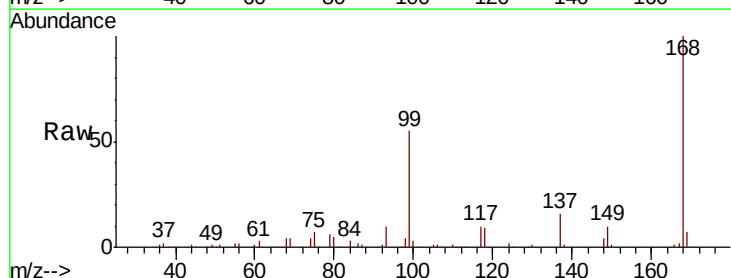
RT: 5.66 min Scan# 739

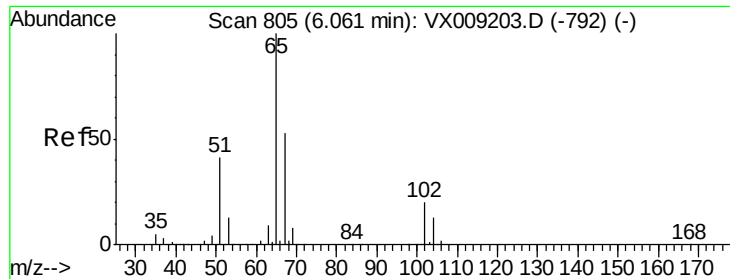
Delta R.T. 0.08 min

Lab File: VX009424.D

Acq: 09 May 2019 13:51

Tgt Ion: 56 Resp: 4147
Ion Ratio Lower Upper
56 100
69 156.0 23.4 35.0#
84 141.6 61.9 92.9#

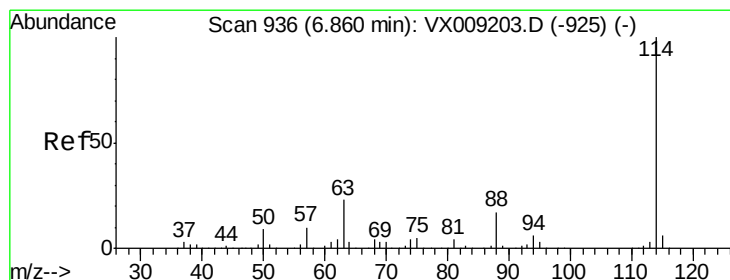
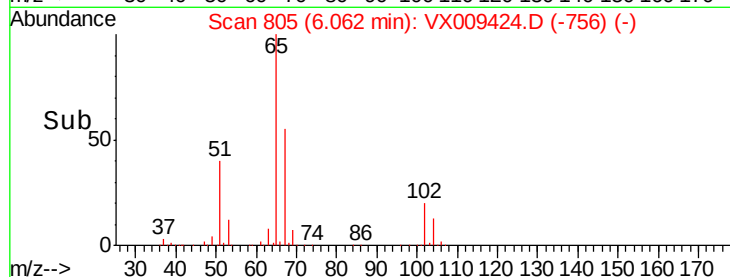
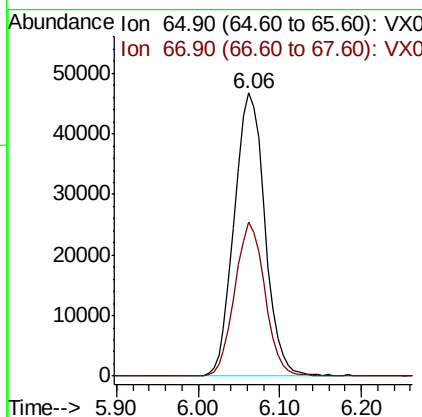
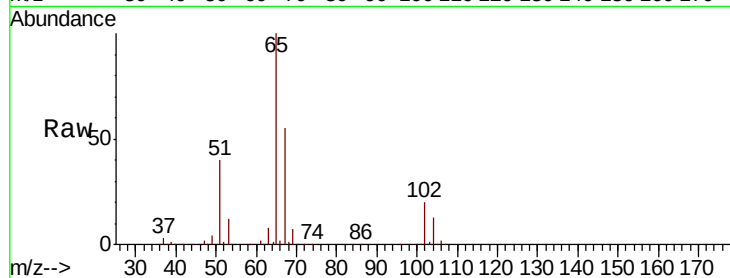




#33
 1,2-Dichloroethane-d4
 Concen: 47.844 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009424.D
 Acq: 09 May 2019 13:51

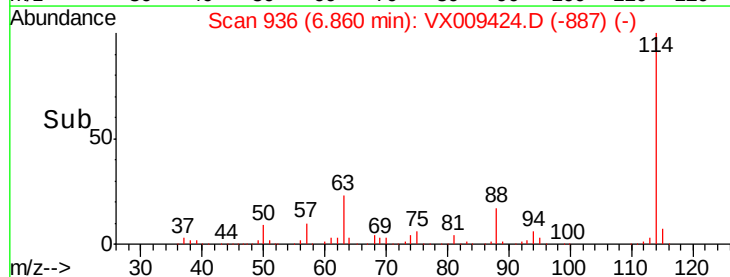
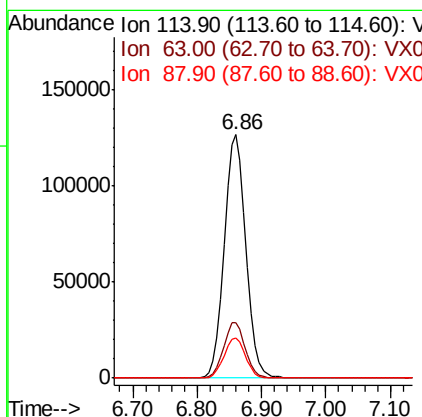
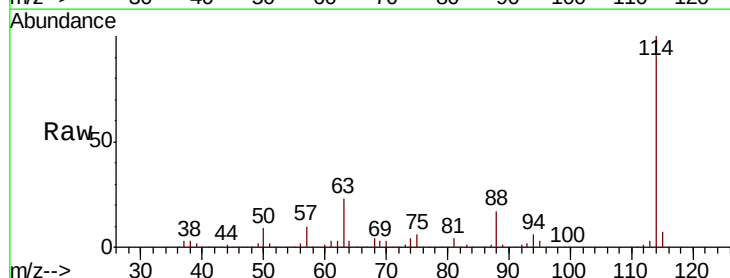
Instrument :
 MSVOA_X
 ClientSampleId :

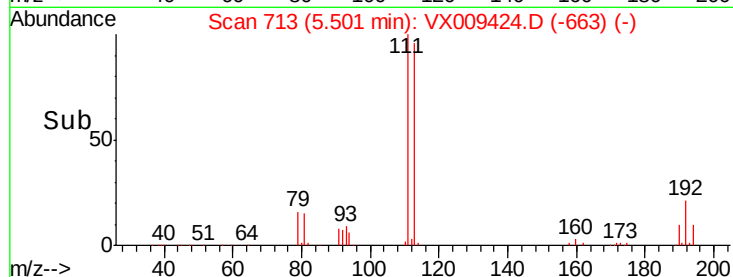
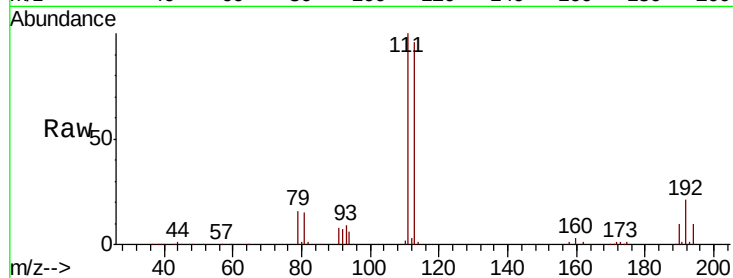
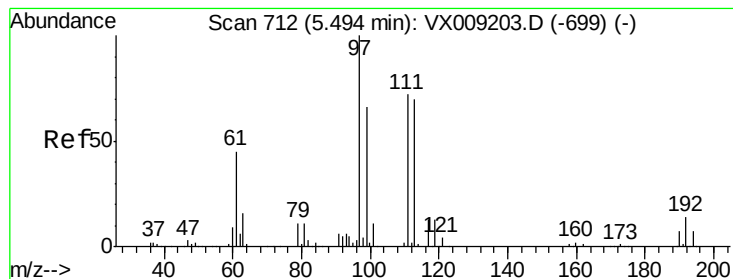
Tot Ion: 65 Resp: 121859
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009424.D
 Acq: 09 May 2019 13:51

Tgt Ion: 114 Resp: 299302
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 45.6
 88 16.6 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.707 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009424.D

Acq: 09 May 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

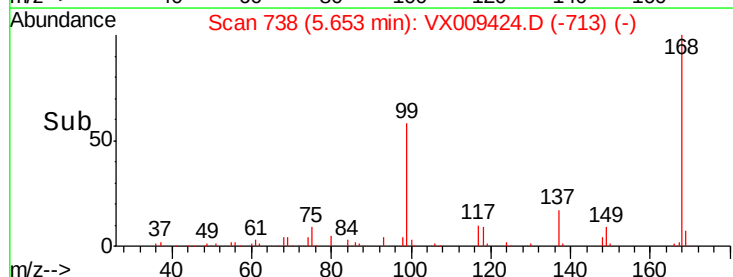
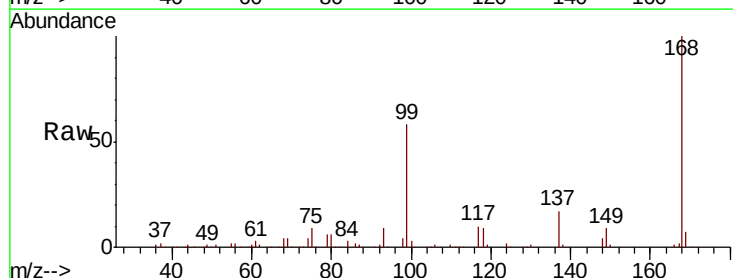
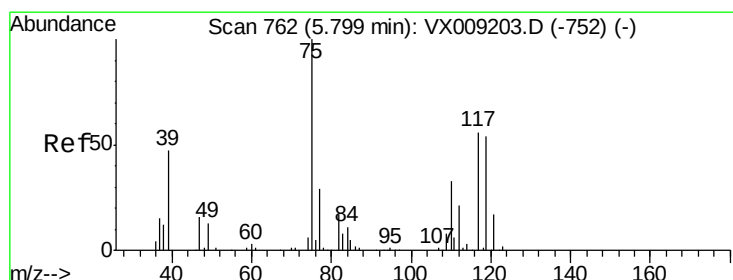
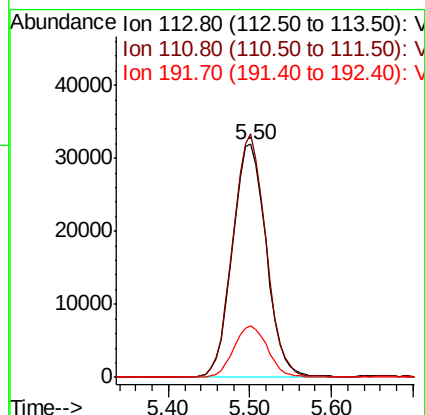
Tot Ion:113 Resp: 91644

Ion Ratio Lower Upper

113 100

111 102.5 82.8 124.2

192 22.1 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.206 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX009424.D

Acq: 09 May 2019 13:51

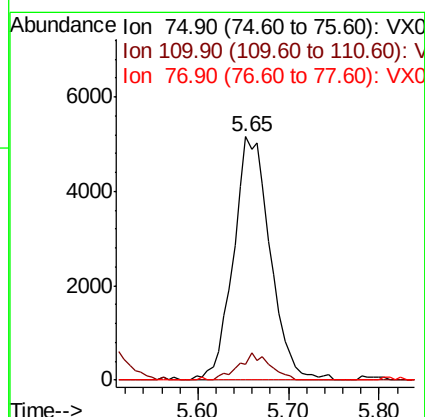
Tgt Ion: 75 Resp: 14480

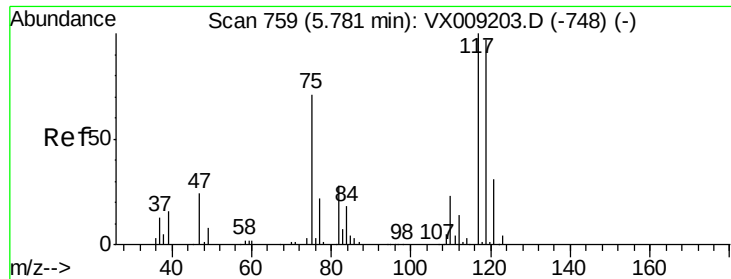
Ion Ratio Lower Upper

75 100

110 9.4 16.9 50.6#

77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 7.036 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009424.D

Acq: 09 May 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

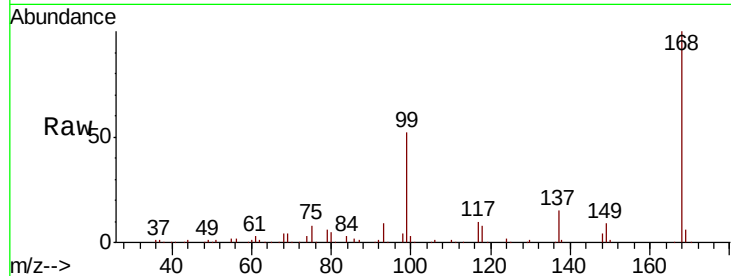
Tot Ion:117 Resp: 17780

Ion Ratio Lower Upper

117 100

119 5.0 77.5 116.3#

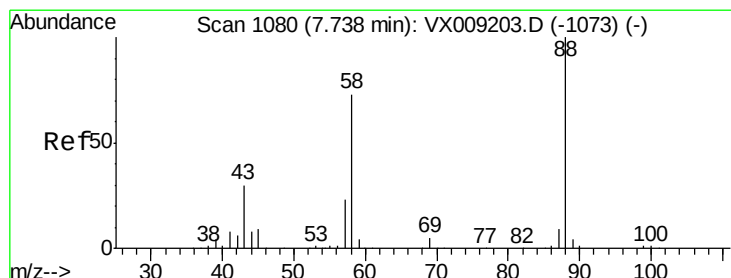
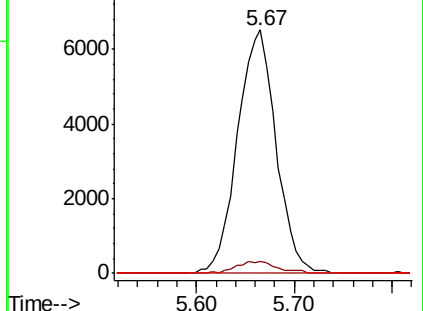
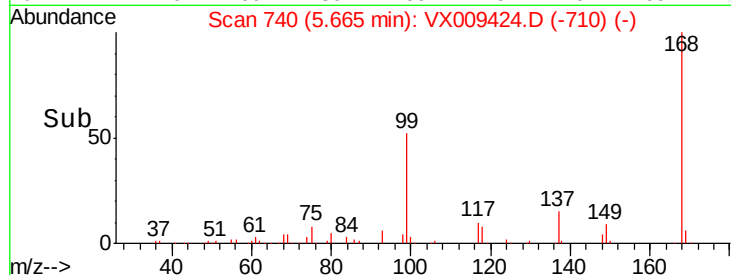
121 0.0 24.7 37.1#



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



#49

1,4-Dioxane

Concen: 0.385 ug/l

RT: 7.97 min Scan# 1118

Delta R.T. 0.23 min

Lab File: VX009424.D

Acq: 09 May 2019 13:51

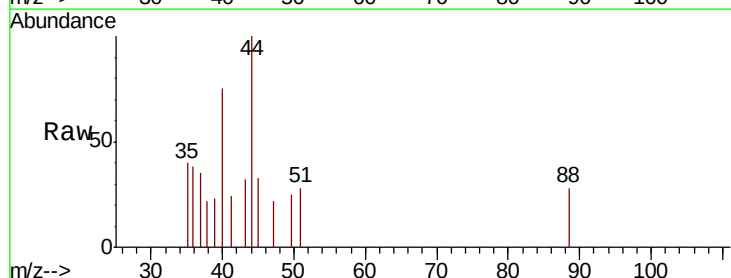
Tgt Ion: 88 Resp: 24

Ion Ratio Lower Upper

88 100

43 437.5 28.6 42.8#

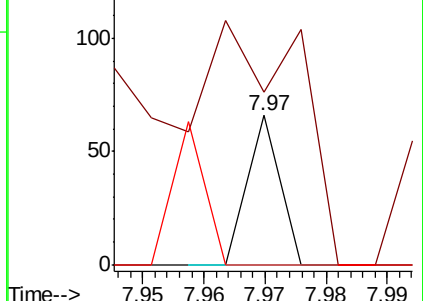
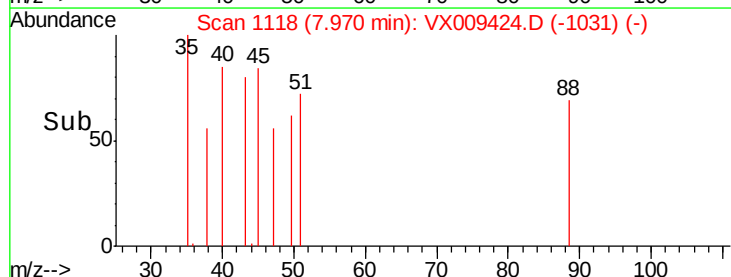
58 95.8 61.7 92.5#

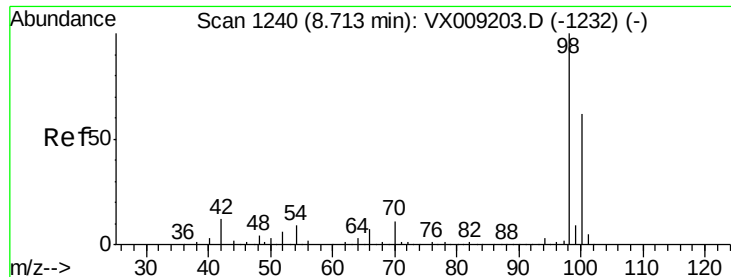


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

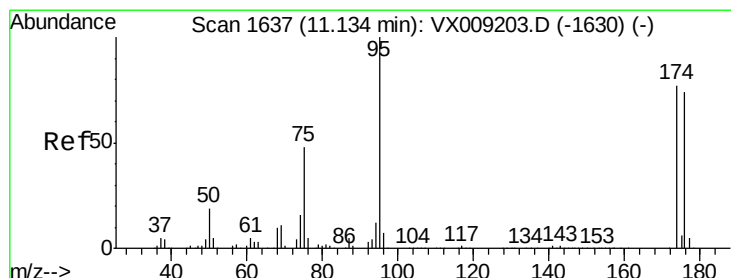
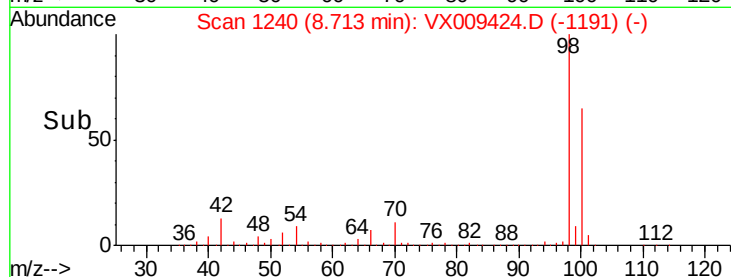
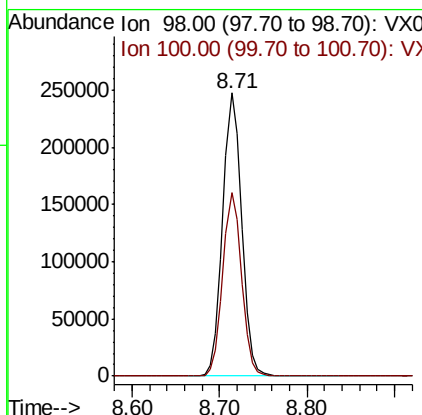
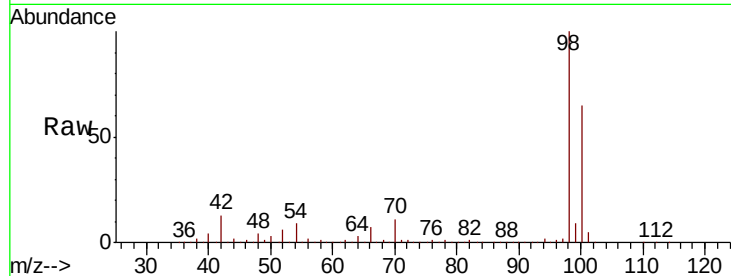




#50
Toluene-d8
Concen: 49.059 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009424.D
Acq: 09 May 2019 13:51

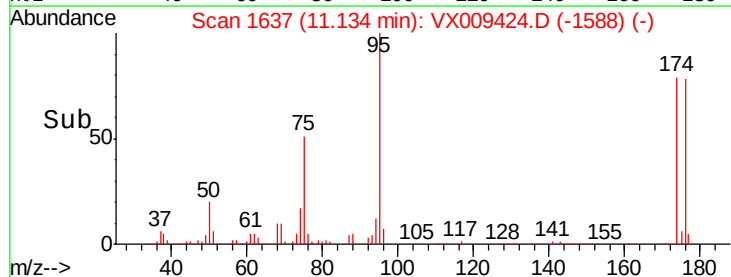
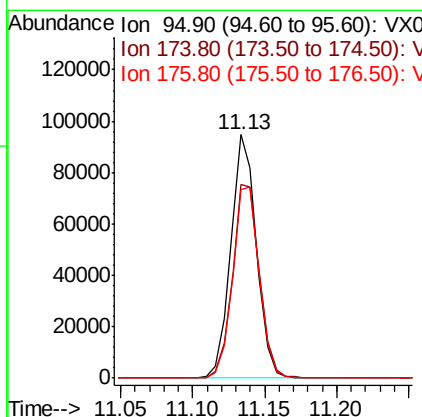
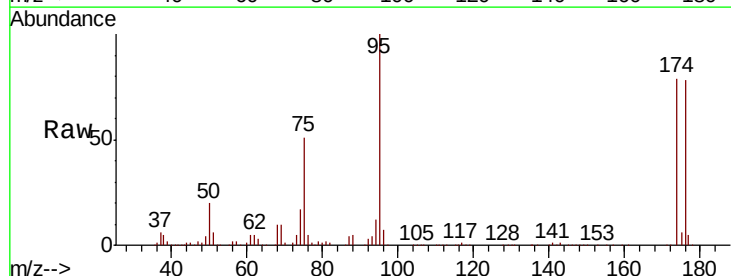
Instrument :
MSVOA_X
ClientSampled :

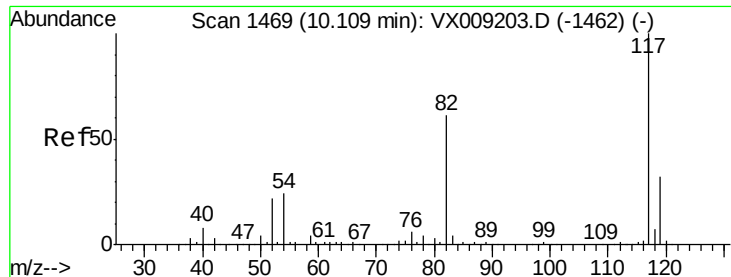
Tot Ion: 98 Resp: 372660
Ion Ratio Lower Upper
98 100
100 64.2 51.2 76.8



#62
4-Bromofluorobenzene
Concen: 42.906 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009424.D
Acq: 09 May 2019 13:51

Tgt Ion: 95 Resp: 118428
Ion Ratio Lower Upper
95 100
174 83.5 0.0 161.6
176 81.5 0.0 159.2

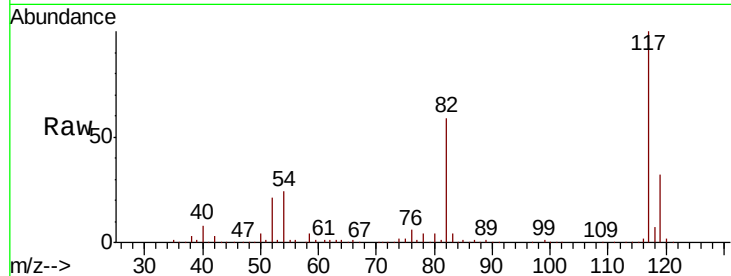




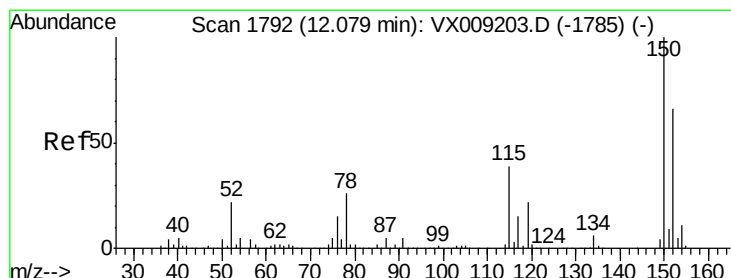
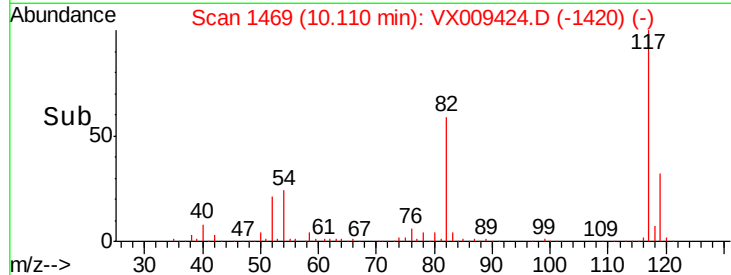
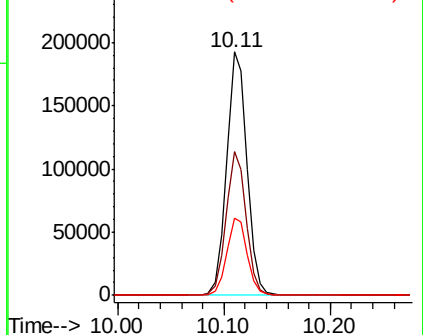
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009424.D
Acq: 09 May 2019 13:51

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 258221
Ion Ratio Lower Upper
117 100
82 59.3 48.8 73.2
119 31.9 25.8 38.6

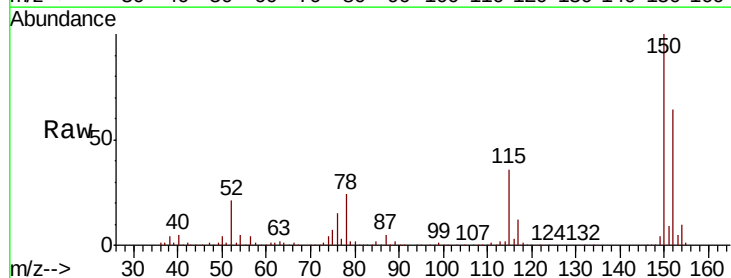


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

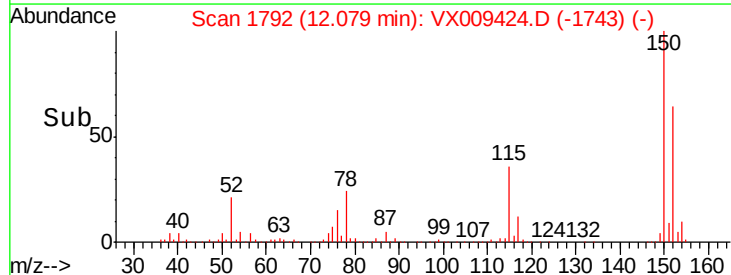
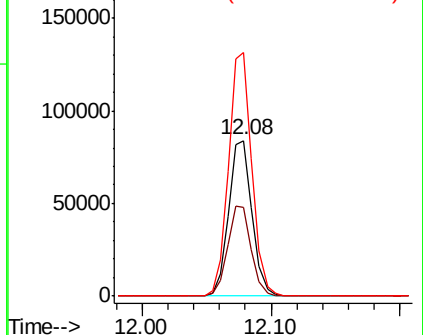


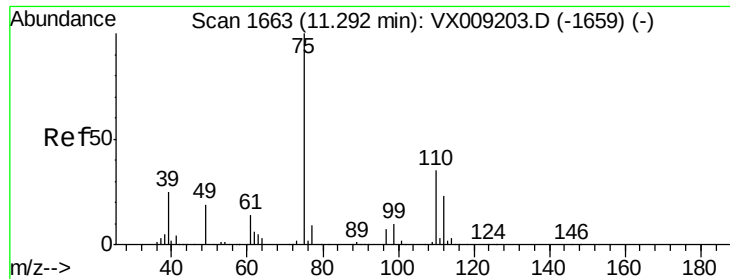
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009424.D
Acq: 09 May 2019 13:51

Tgt Ion:152 Resp: 106801
Ion Ratio Lower Upper
152 100
115 58.0 41.2 123.6
150 156.1 0.0 346.4



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: 24.407 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009424.D

Acq: 09 May 2019 13:51

Instrument :

MSVOA_X

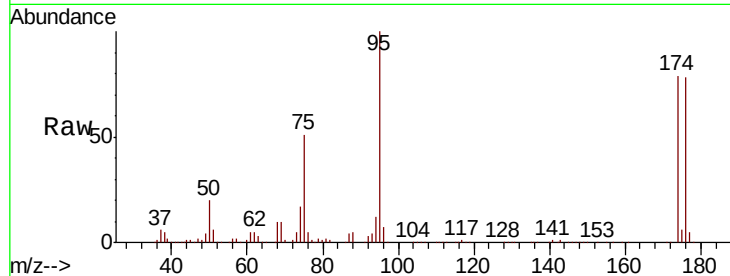
ClientSampled :

Tot Ion: 75 Resp: 60467

Ion Ratio Lower Upper

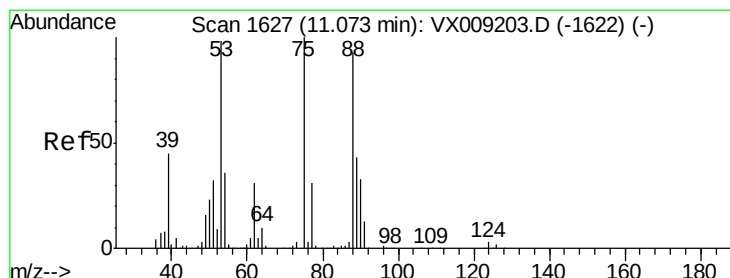
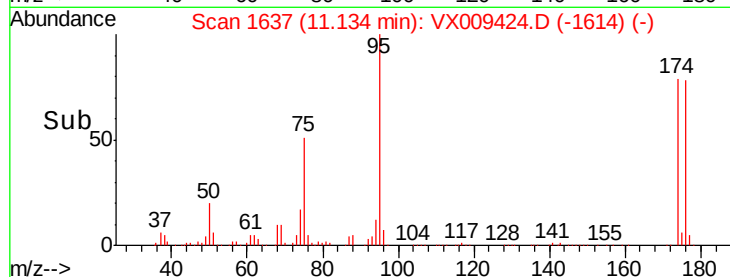
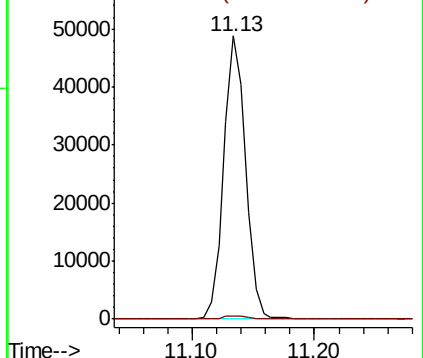
75 100

77 1.3 22.1 66.1#



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: 62.450 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009424.D

Acq: 09 May 2019 13:51

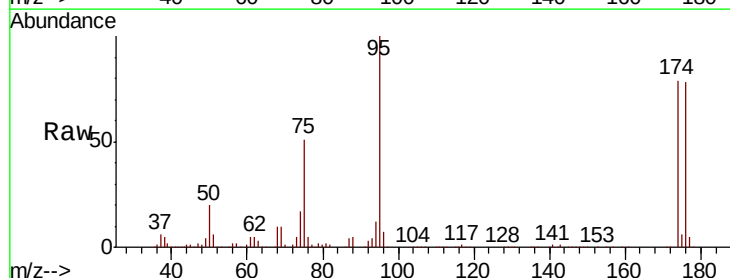
Tgt Ion: 75 Resp: 60467

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.0 34.7 52.1#



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

