

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090519\
 Data File : VX012136.D
 Acq On : 06 Sep 2019 08:55
 Operator : SY/SP
 Sample : K4580-11
 Misc : 4.53g/5.0mL/MSVOA X/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 06 11:31:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	147323	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	257737	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	227646	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	103269	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	102358	50.35	ug/l	0.00
Spiked Amount			Recovery	=	100.70%	
35) Dibromofluoromethane	5.48	113	77153	48.68	ug/l	0.00
Spiked Amount			Recovery	=	97.36%	
50) Toluene-d8	8.71	98	308178	52.99	ug/l	0.00
Spiked Amount			Recovery	=	105.98%	
62) 4-Bromofluorobenzene	11.14	95	125088	46.24	ug/l	0.00
Spiked Amount			Recovery	=	92.48%	

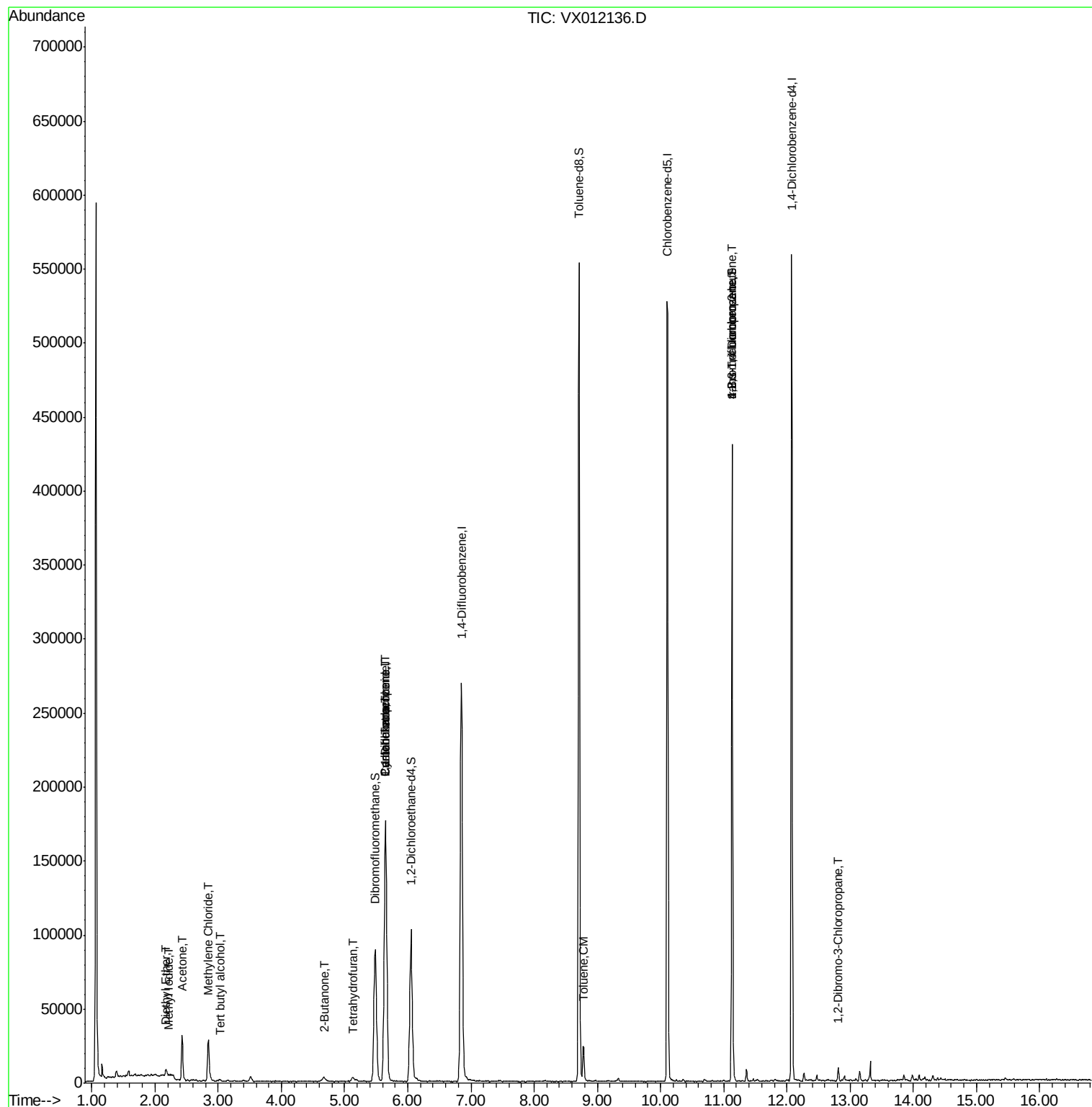
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.18	74	1472	2.095	ug/l	94
10) Methyl Iodide	2.22	142	46	7.014	ug/l #	40
11) Tert butyl alcohol	3.03	59	1211	6.202	ug/l #	81
13) Acrolein	2.25	56	174	Below Cal	#	12
16) Acetone	2.43	43	31055	63.916	ug/l	99
20) Methylene Chloride	2.84	84	13144	6.737	ug/l	98
25) 2-Butanone	4.69	43	701	1.133	ug/l #	84
29) Tetrahydrofuran	5.14	42	3141	8.429	ug/l	94
31) Cyclohexane	5.64	56	4316	1.732	ug/l #	35
36) 1,1-Dichloropropene	5.65	75	14177	6.245	ug/l #	49
38) Carbon Tetrachloride	5.65	117	17731	7.413	ug/l #	15
52) Toluene	8.78	92	8117	1.914	ug/l	94
76) 1,2,3-Trichloropropane	11.13	75	65439	51.862	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.13	75	65439	122.610	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	12.81	75	343	1.038	ug/l #	1

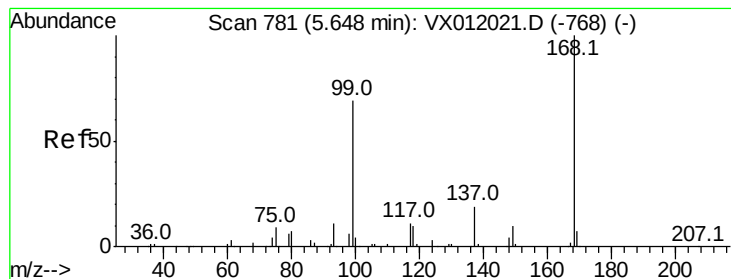
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012136.D

Acq: 06 Sep 2019 08:55

Instrument :

MSVOA_X

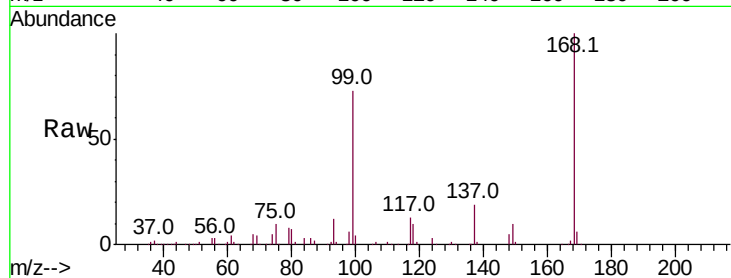
ClientSampled :

Tot Ion:168 Resp: 147323

Ion Ratio Lower Upper

168 100

99 73.2 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

30000

20000

10000

0

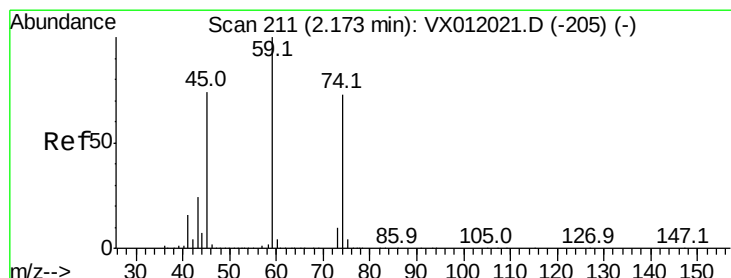
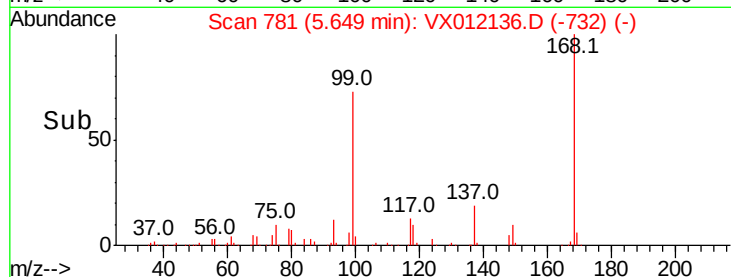
Time-->

5.50

5.60

5.70

5.80



#8

Diethyl Ether

Concen: 2.095 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX012136.D

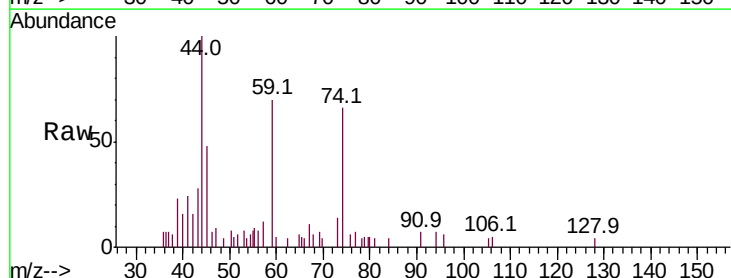
Acq: 06 Sep 2019 08:55

Tgt Ion: 74 Resp: 1472

Ion Ratio Lower Upper

74 100

45 97.1 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.18

1000

800

600

400

200

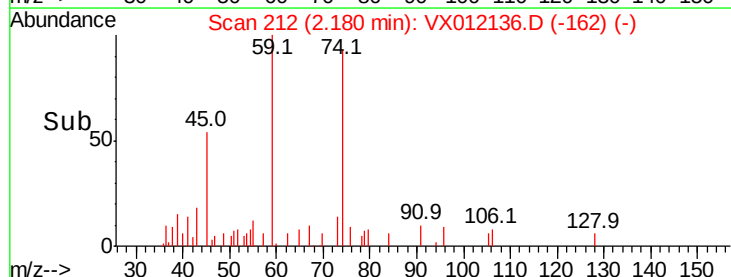
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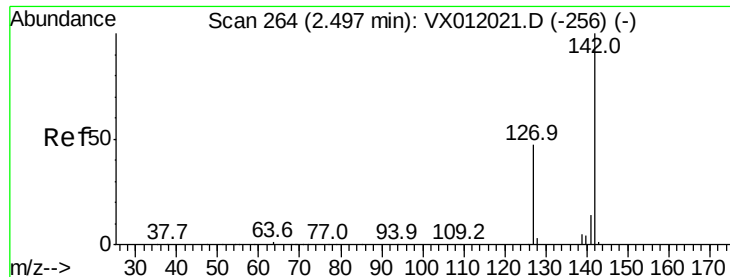
Time-->

2.10

2.15

2.20

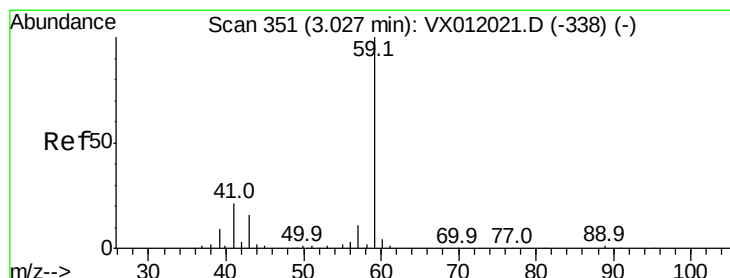
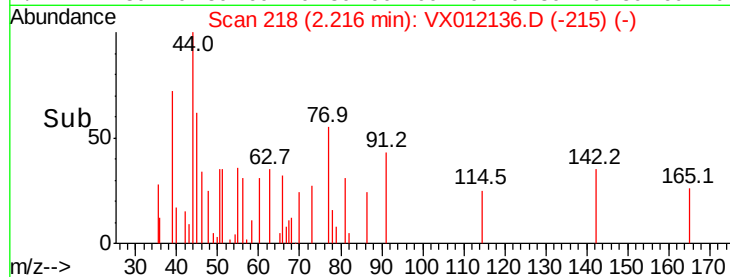
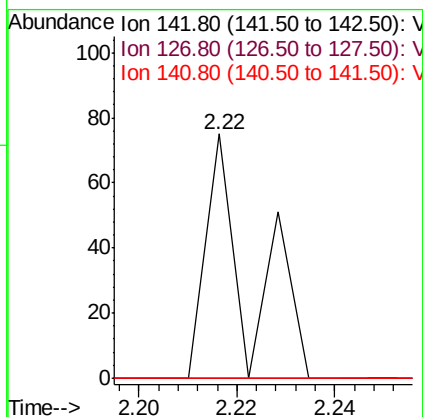
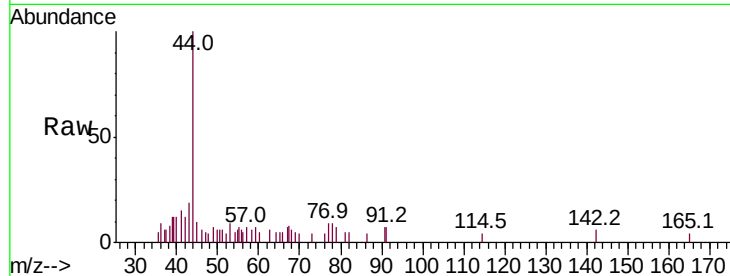




#10
Methvl Iodide
Concen: 7.014 ug/l
RT: 2.22 min Scan# 218
Delta R.T. -0.28 min
Lab File: VX012136.D
Acq: 06 Sep 2019 08:55

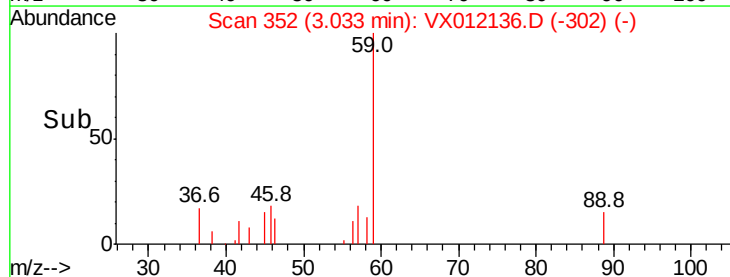
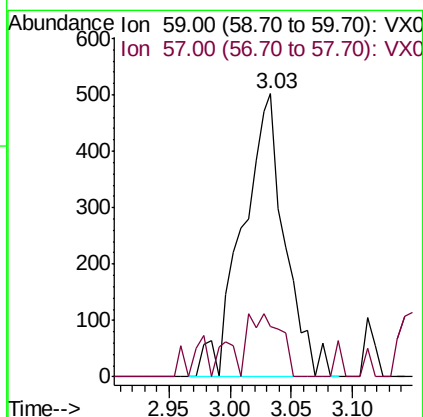
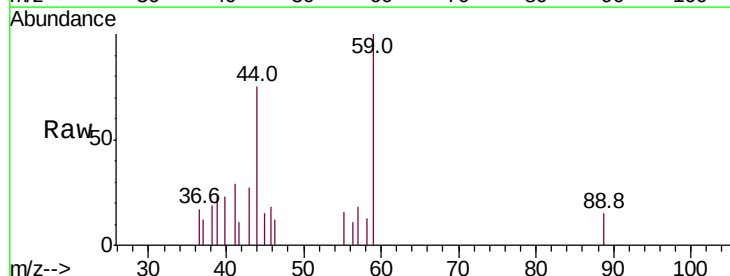
Instrument :
MSVOA_X
ClientSampleId :

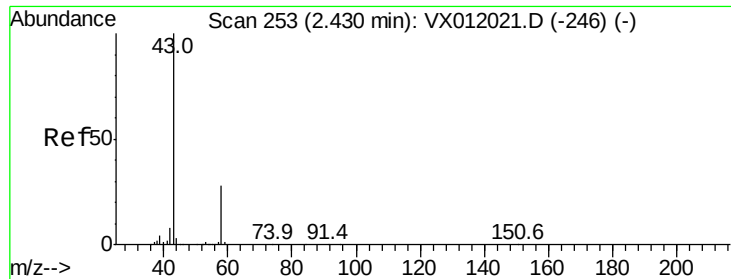
Tot Ion:142 Resp: 46
Ion Ratio Lower Upper
142 100
127 0.0 35.4 53.2#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 6.202 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX012136.D
Acq: 06 Sep 2019 08:55

Tgt Ion: 59 Resp: 1211
Ion Ratio Lower Upper
59 100
57 17.0 7.9 11.9#





#16

Acetone

Concen: 63.916 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012136.D

Acq: 06 Sep 2019 08:55

Instrument :

MSVOA_X

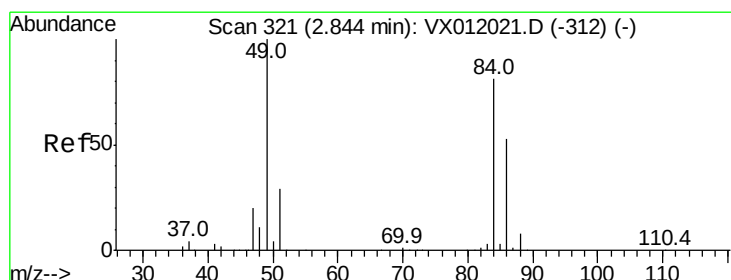
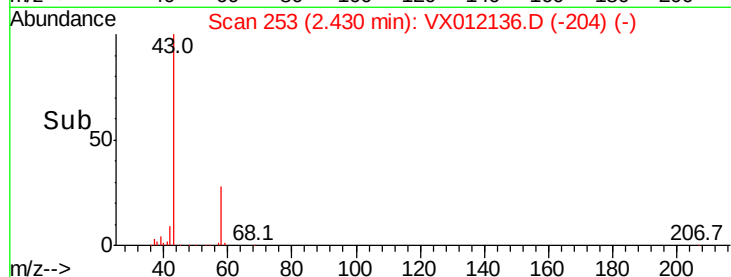
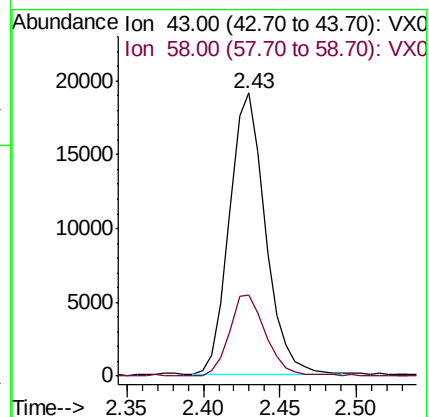
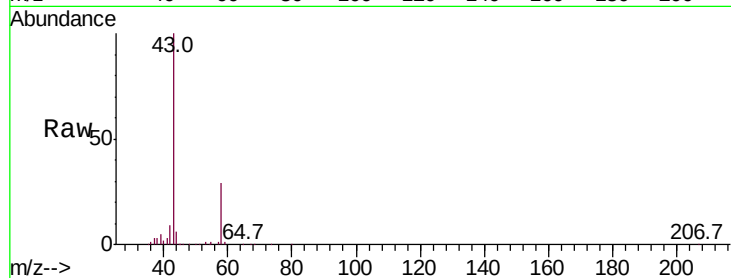
ClientSampleId :

Tot Ion: 43 Resp: 31055

Ion Ratio Lower Upper

43 100

58 29.0 22.8 34.2



#20

Methylene Chloride

Concen: 6.737 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012136.D

Acq: 06 Sep 2019 08:55

Tgt Ion: 84 Resp: 13144

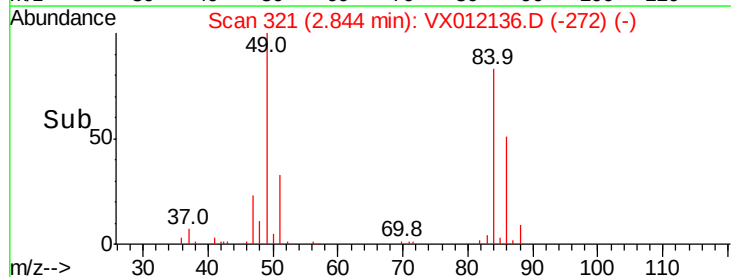
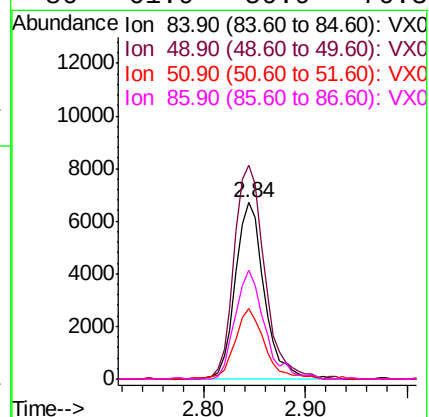
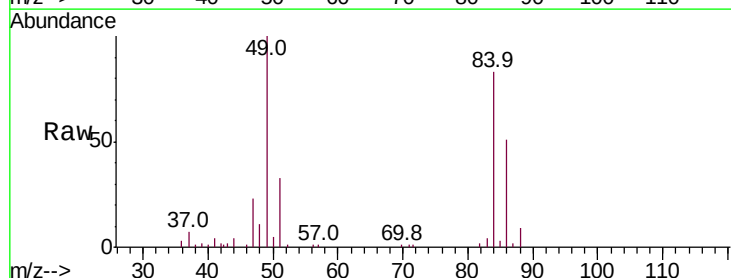
Ion Ratio Lower Upper

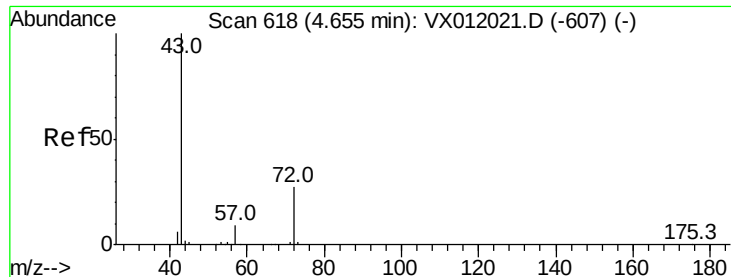
84 100

49 121.1 95.8 143.8

51 38.8 28.6 43.0

86 61.9 50.9 76.3





#25

2-Butanone

Concen: 1.133 ug/l

RT: 4.69 min Scan# 623

Delta R.T. 0.03 min

Lab File: VX012136.D

Acq: 06 Sep 2019 08:55

Instrument :

MSVOA_X

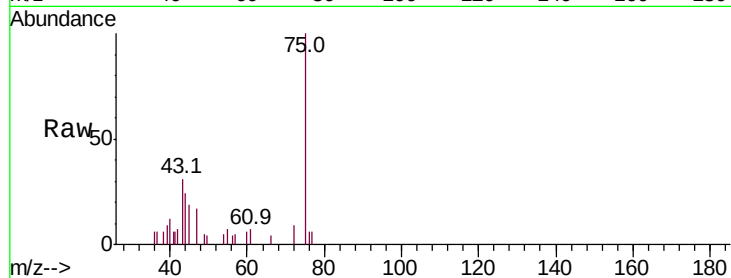
ClientSampled :

Tot Ion: 43 Resp: 701

Ion Ratio Lower Upper

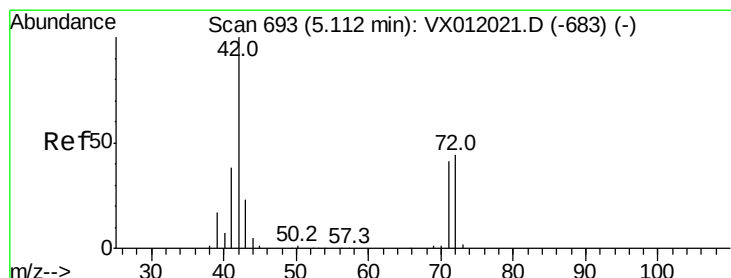
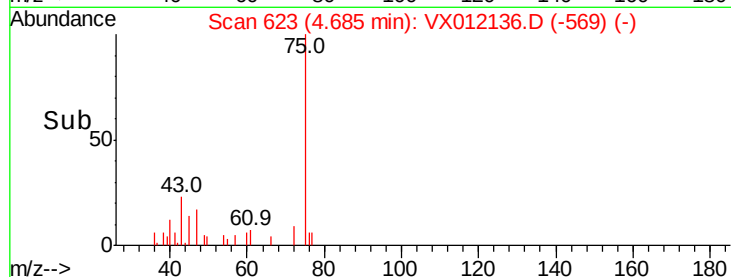
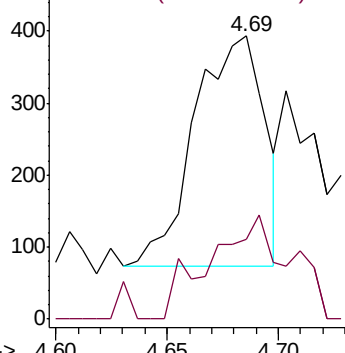
43 100

72 18.4 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 8.429 ug/l

RT: 5.14 min Scan# 697

Delta R.T. 0.02 min

Lab File: VX012136.D

Acq: 06 Sep 2019 08:55

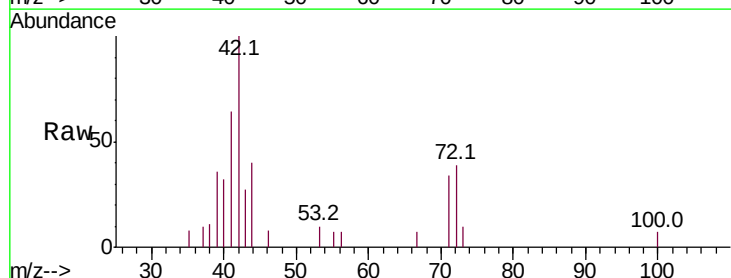
Tgt Ion: 42 Resp: 3141

Ion Ratio Lower Upper

42 100

72 39.2 37.0 55.4

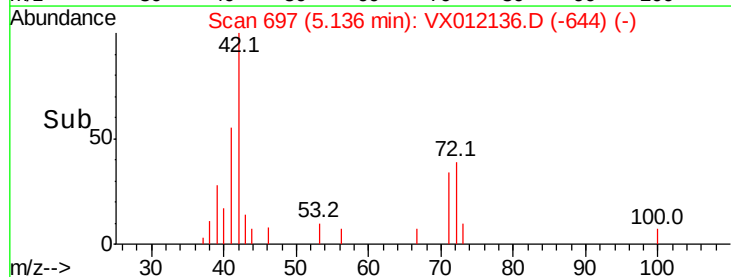
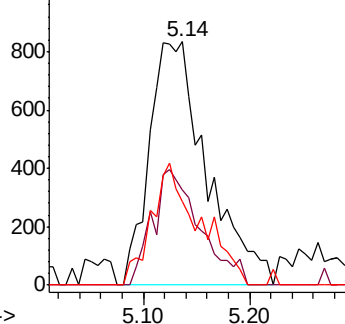
71 41.9 33.8 50.8

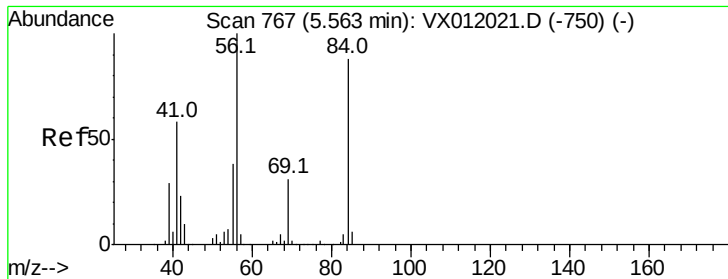


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

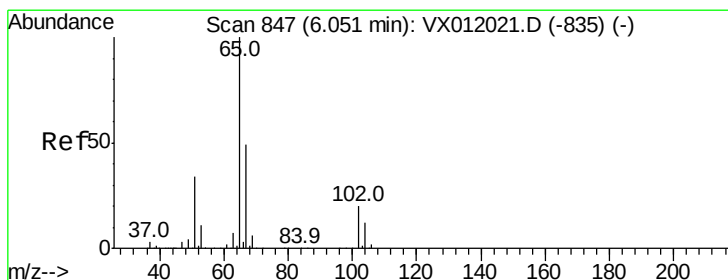
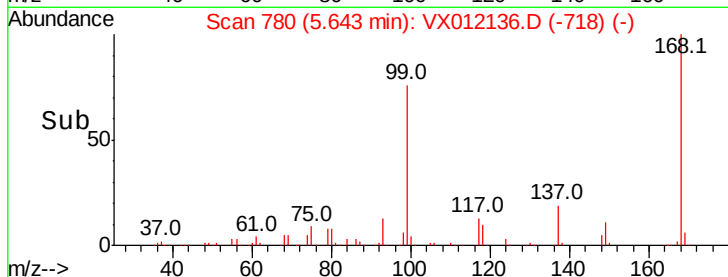
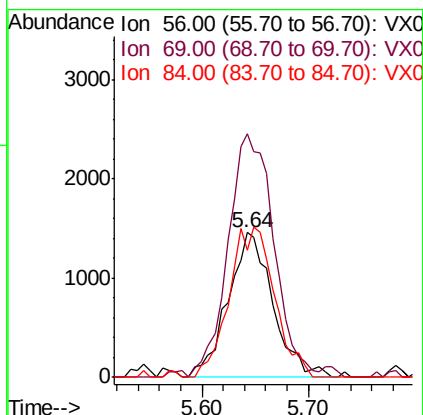
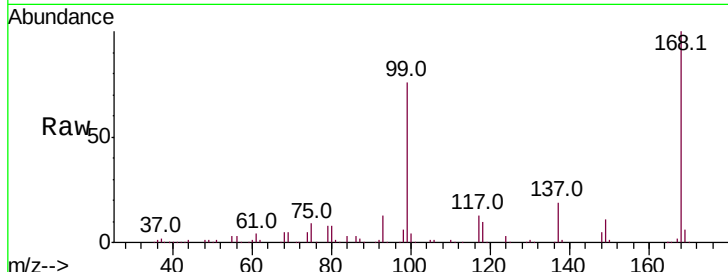




#31
Cyclohexane
Concen: 1.732 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.08 min
Lab File: VX012136.D
Acq: 06 Sep 2019 08:55

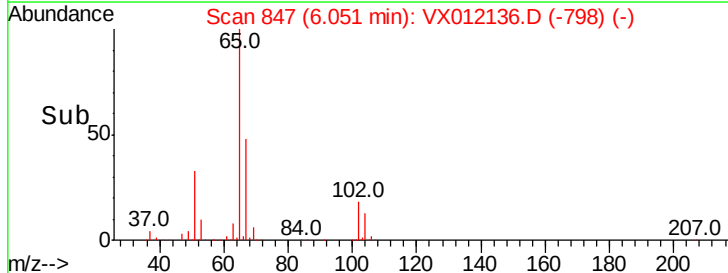
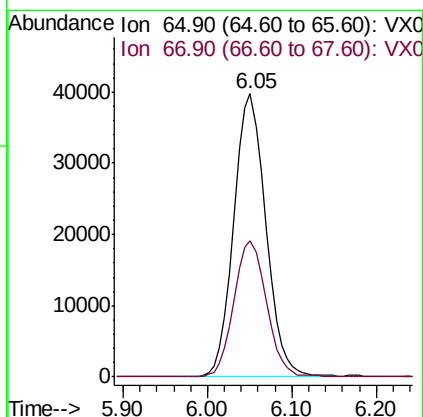
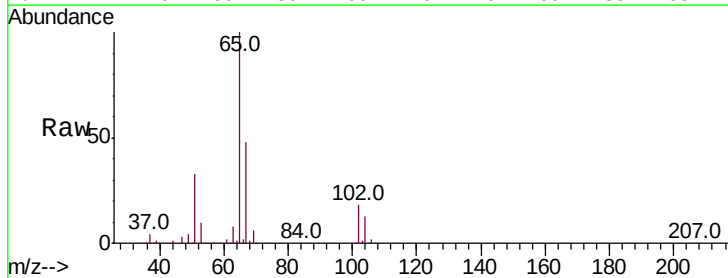
Instrument :
MSVOA_X
ClientSampleId :

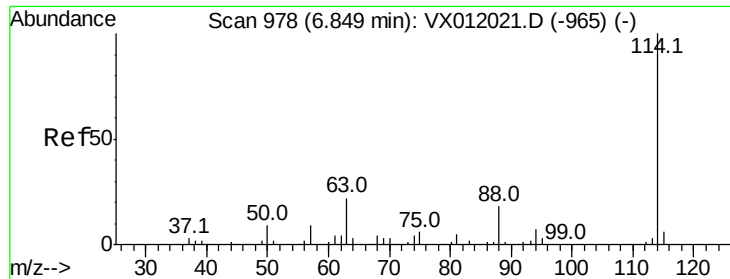
Tot Ion: 56 Resp: 4316
Ion Ratio Lower Upper
56 100
69 168.2 25.7 38.5#
84 87.6 70.3 105.5



#33
1,2-Dichloroethane-d4
Concen: 50.354 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX012136.D
Acq: 06 Sep 2019 08:55

Tgt Ion: 65 Resp: 102358
Ion Ratio Lower Upper
65 100
67 49.0 0.0 102.0

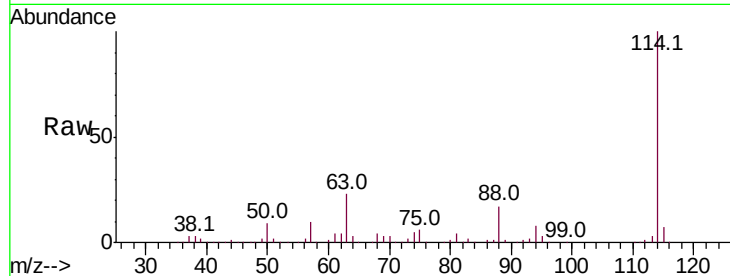




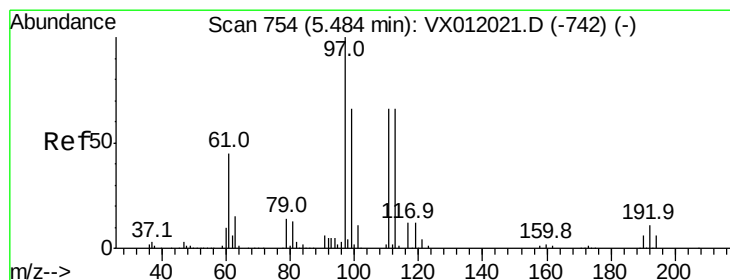
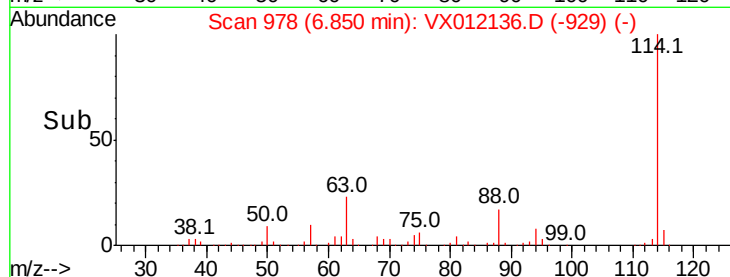
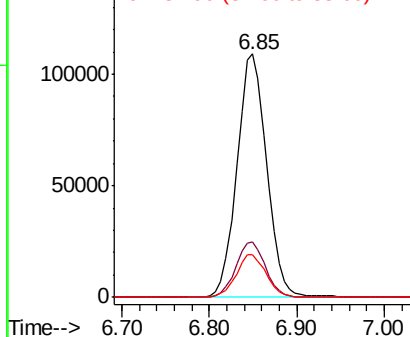
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012136.D
 Acq: 06 Sep 2019 08:55

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 257737
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 37.4
 88 17.3 0.0 29.6

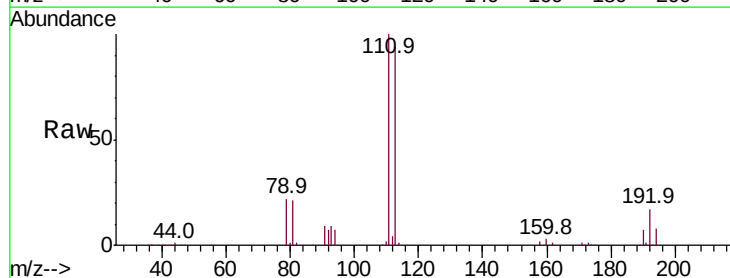


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

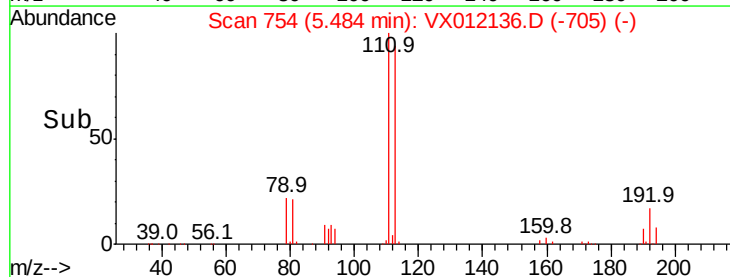
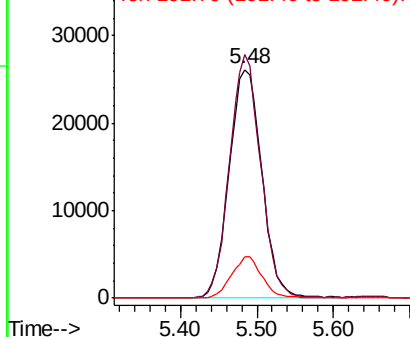


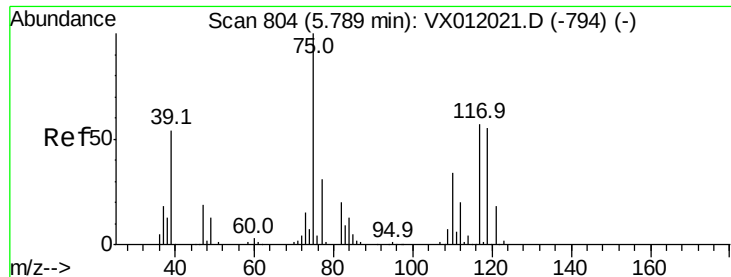
#35
 Dibromofluoromethane
 Concen: 48.677 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012136.D
 Acq: 06 Sep 2019 08:55

Tgt Ion:113 Resp: 77153
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.7 122.5
 192 17.0 22.5 33.7#



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

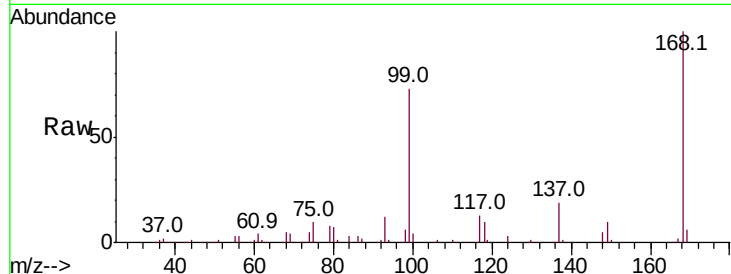




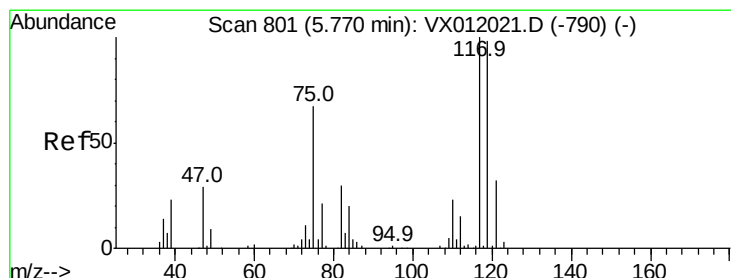
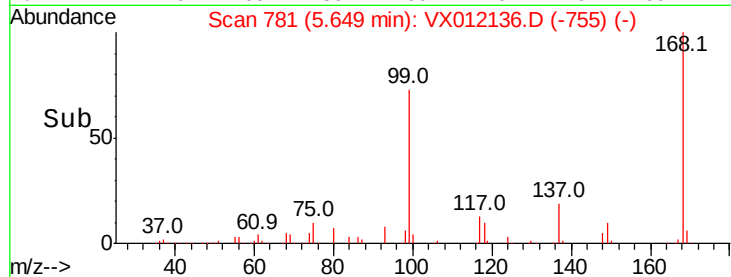
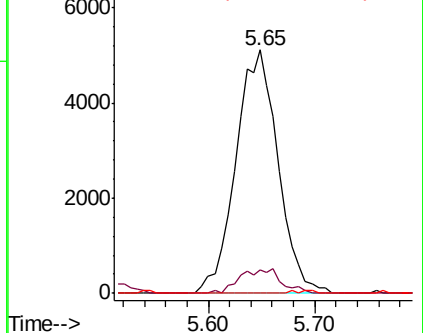
#36
 1,1-Dichloropropene
 Concen: 6.245 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012136.D
 Acq: 06 Sep 2019 08:55

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.9	19.5	58.5#
77	0.0	24.6	37.0#

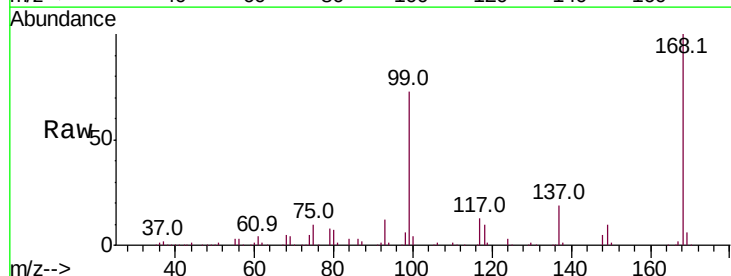


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

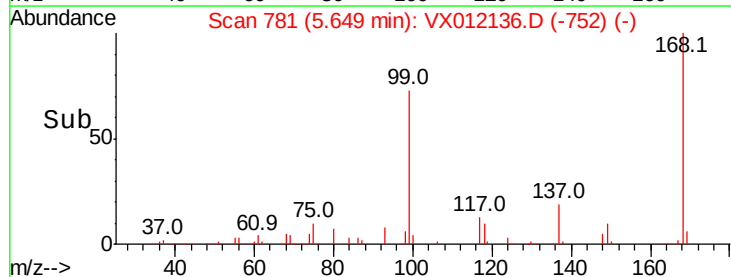
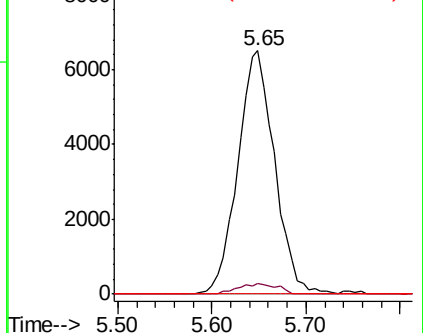


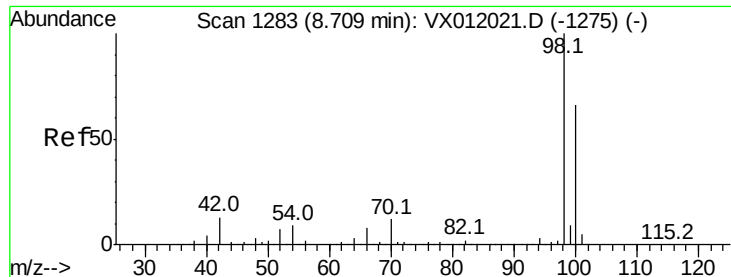
#38
 Carbon Tetrachloride
 Concen: 7.413 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.12 min
 Lab File: VX012136.D
 Acq: 06 Sep 2019 08:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	78.3	117.5#
121	0.0	24.2	36.2#



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

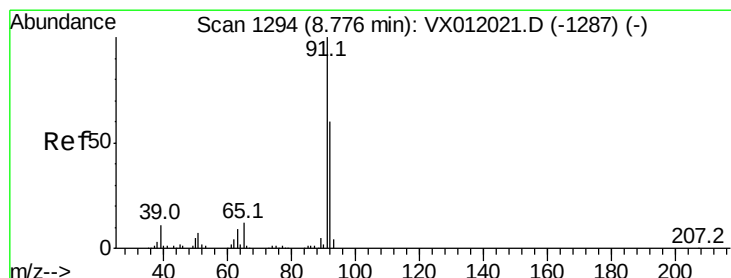
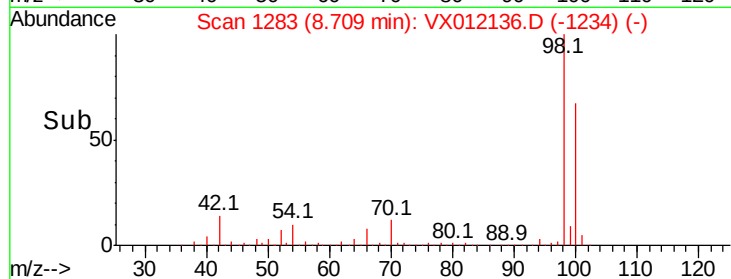
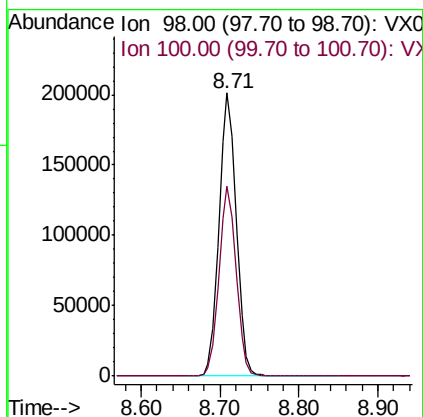
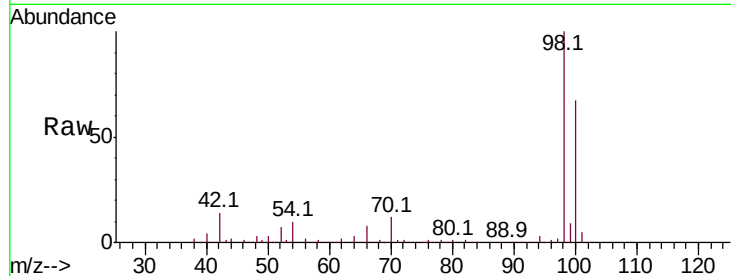




#50
Toluene-d8
Concen: 52.986 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012136.D
Acq: 06 Sep 2019 08:55

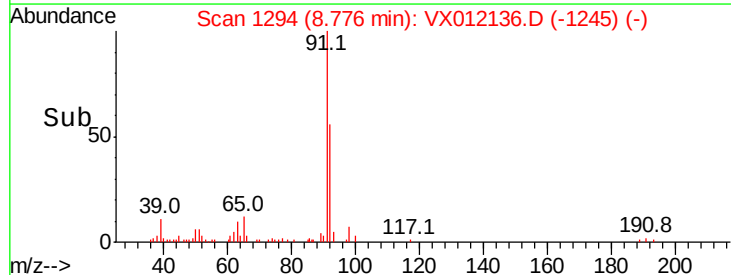
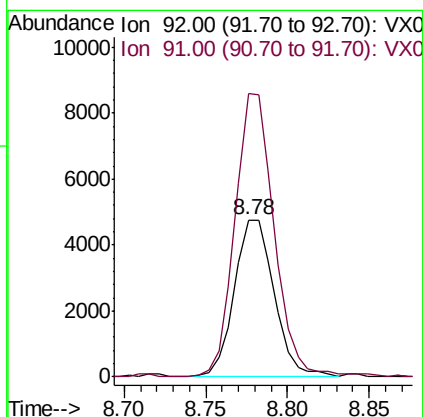
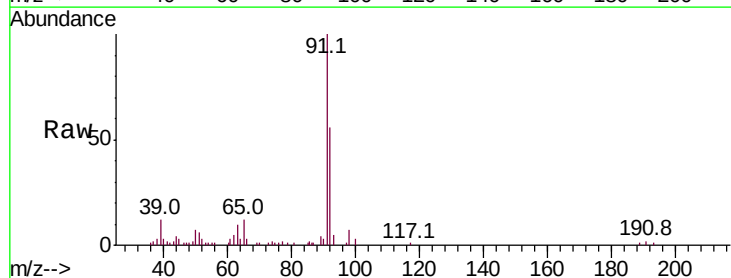
Instrument :
MSVOA_X
ClientSampled :

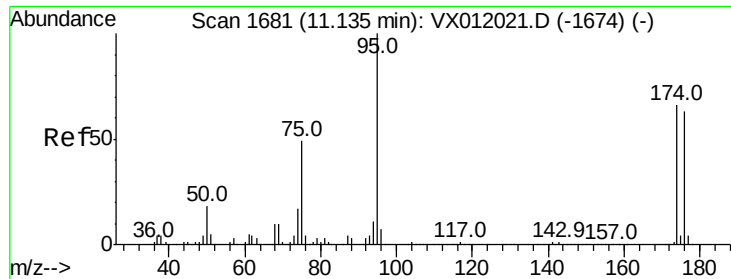
Tot Ion: 98 Resp: 308178
Ion Ratio Lower Upper
98 100
100 66.6 53.3 79.9



#52
Toluene
Concen: 1.914 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX012136.D
Acq: 06 Sep 2019 08:55

Tgt Ion: 92 Resp: 8117
Ion Ratio Lower Upper
92 100
91 178.6 136.0 204.0

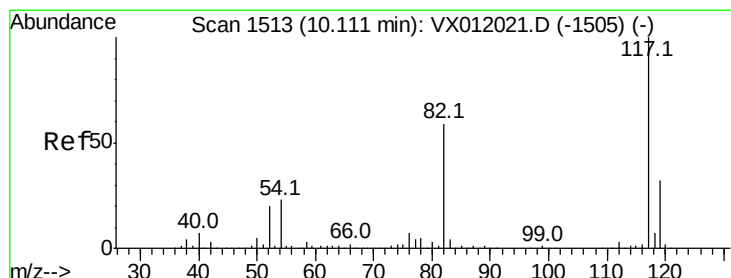
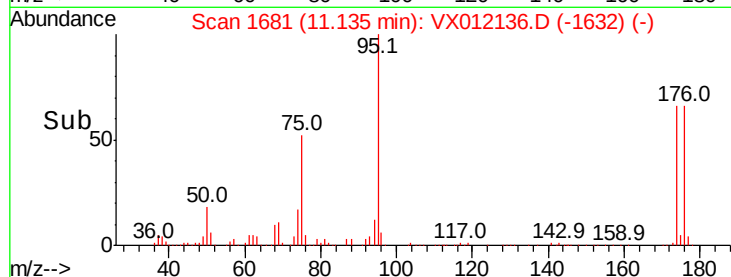
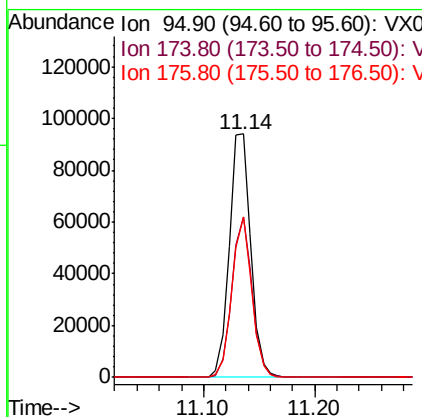
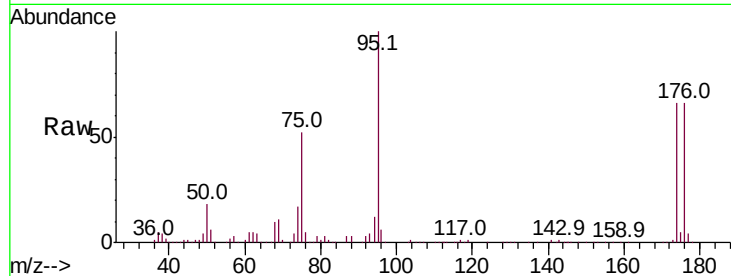




#62
 4-Bromofluorobenzene
 Concen: 46.245 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.00 min
 Lab File: VX012136.D
 Acq: 06 Sep 2019 08:55

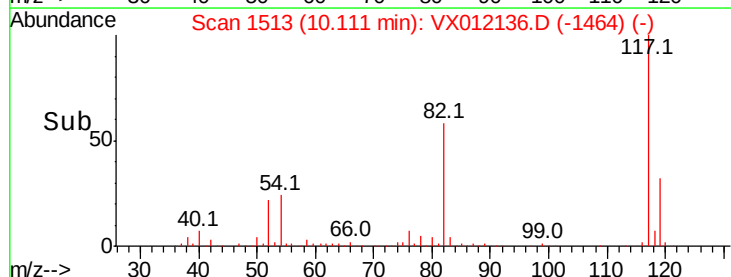
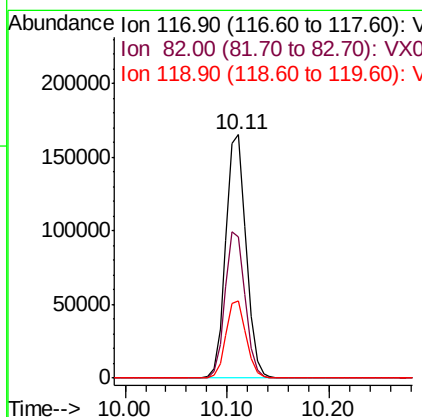
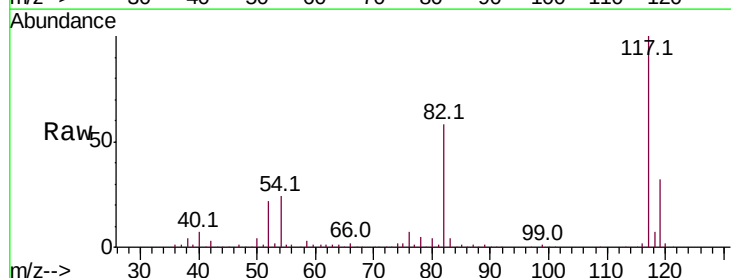
Instrument :
 MSVOA_X
 ClientSampleId :

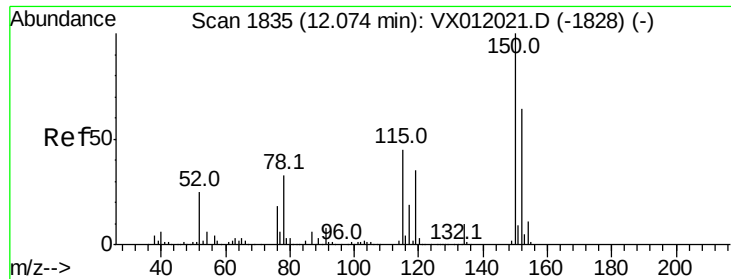
Tot Ion: 95 Resp: 125088
 Ion Ratio Lower Upper
 95 100
 174 62.1 0.0 205.4
 176 61.0 0.0 201.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VX012136.D
 Acq: 06 Sep 2019 08:55

Tgt Ion: 117 Resp: 227646
 Ion Ratio Lower Upper
 117 100
 82 58.2 39.4 59.0
 119 31.8 26.1 39.1



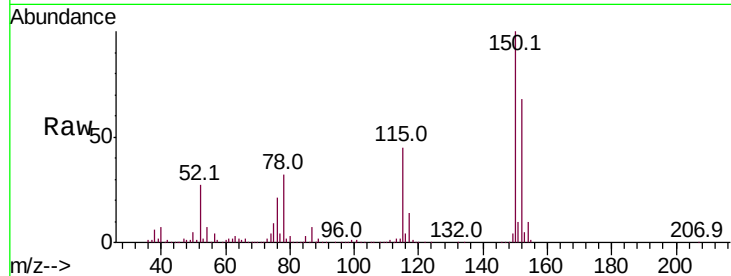


#72

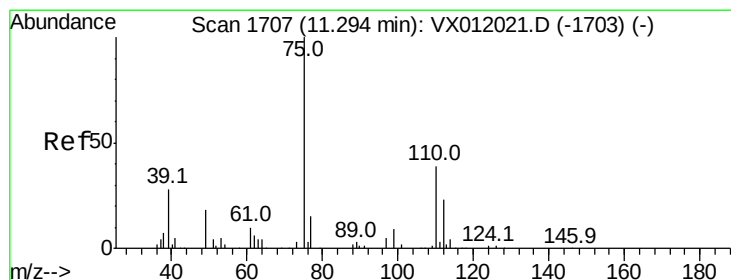
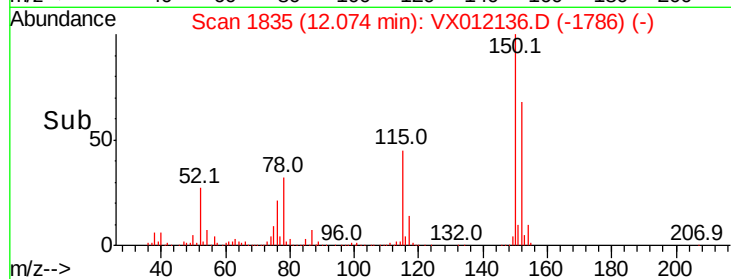
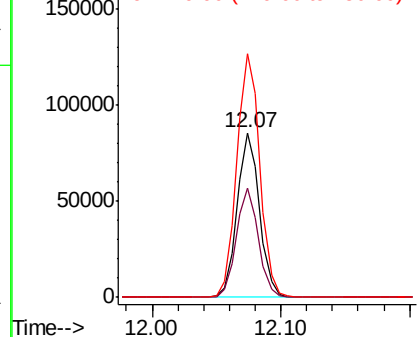
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012136.D
Acq: 06 Sep 2019 08:55

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:152 Resp: 103269
Ion Ratio Lower Upper
152 100
115 66.1 36.4 109.3
150 153.0 0.0 341.2



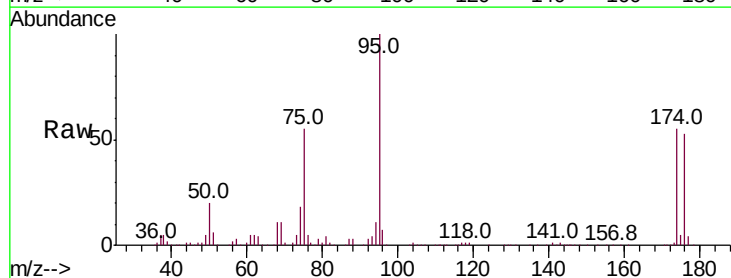
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



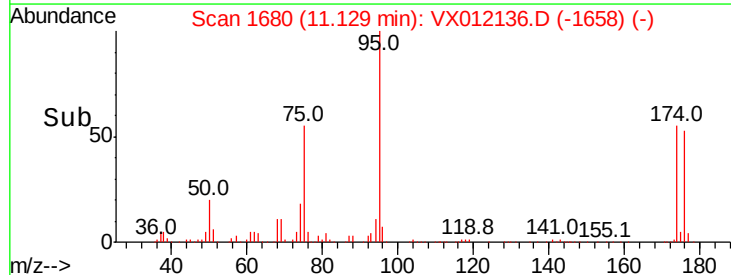
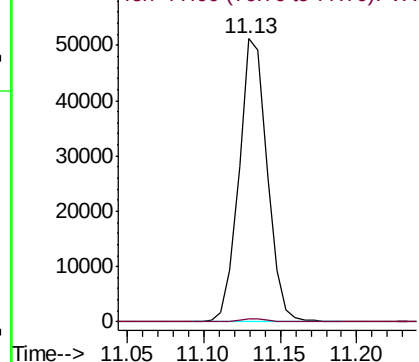
#76

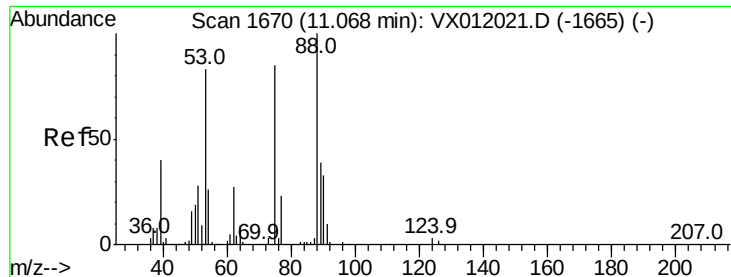
1,2,3-Trichloropropane
Concen: 51.862 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX012136.D
Acq: 06 Sep 2019 08:55

Tgt Ion: 75 Resp: 65439
Ion Ratio Lower Upper
75 100
77 1.1 23.5 70.5#



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: 122.610 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012136.D

Acq: 06 Sep 2019 08:55

Instrument :

MSVOA_X

ClientSampled :

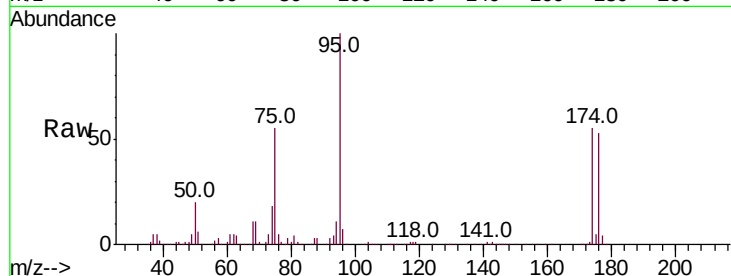
Tot Ion: 75 Resp: 65439

Ion Ratio Lower Upper

75 100

53 0.0 78.6 117.8#

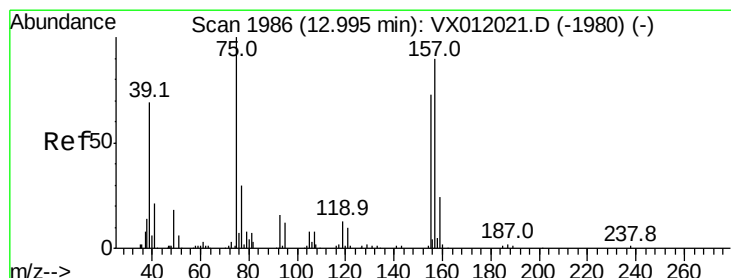
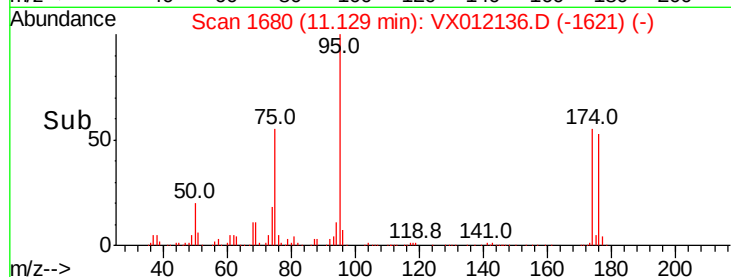
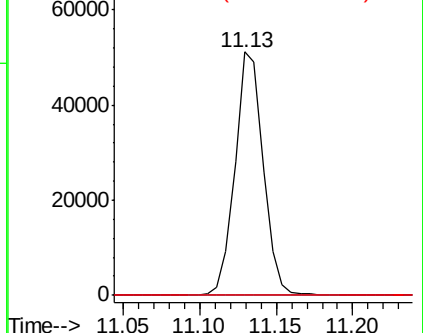
89 0.0 38.8 58.2#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.038 ug/l

RT: 12.81 min Scan# 1955

Delta R.T. -0.19 min

Lab File: VX012136.D

Acq: 06 Sep 2019 08:55

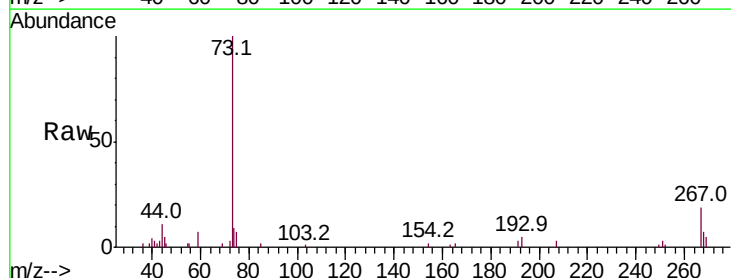
Tgt Ion: 75 Resp: 343

Ion Ratio Lower Upper

75 100

155 14.9 51.7 155.2#

157 0.0 66.9 200.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

