

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100119\
 Data File : VX012735.D
 Acq On : 01 Oct 2019 16:01
 Operator : JC/SP
 Sample : K5082-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 02 01:47:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	162023	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	280657	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	238142	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	91274	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	114361	48.47	ug/l	0.00
Spiked Amount			Recovery	=	96.94%	
35) Dibromofluoromethane	5.49	113	85639	51.24	ug/l	0.00
Spiked Amount			Recovery	=	102.48%	
50) Toluene-d8	8.71	98	330489	51.34	ug/l	0.00
Spiked Amount			Recovery	=	102.68%	
62) 4-Bromofluorobenzene	11.14	95	111926	44.22	ug/l	0.00
Spiked Amount			Recovery	=	88.44%	

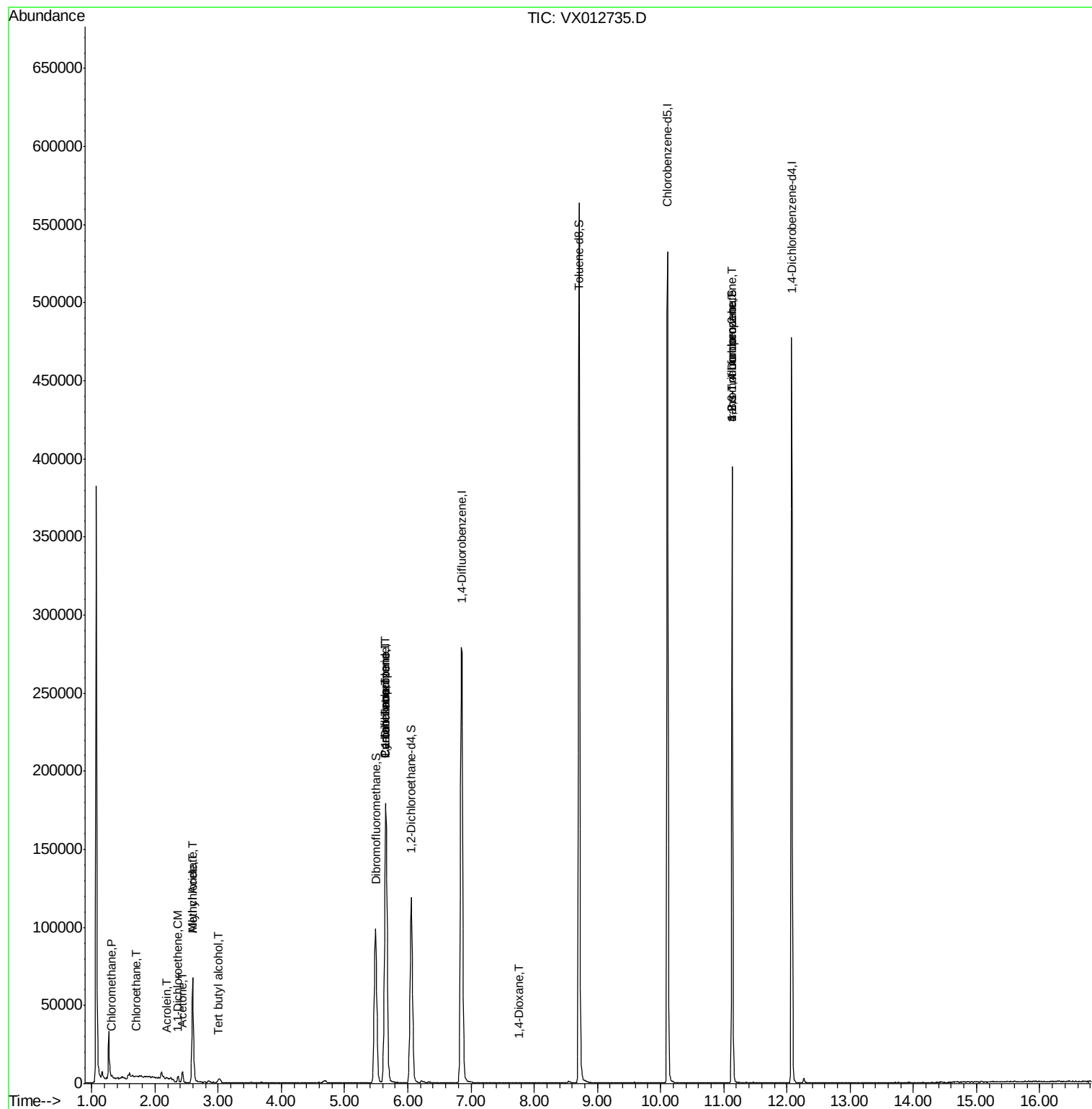
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	843	0.403	ug/l	91
6) Chloroethane	1.70	64	744	0.530	ug/l #	45
11) Tert butyl alcohol	3.01	59	2715	4.606	ug/l #	89
12) 1,1-Dichloroethene	2.37	96	1434	0.823	ug/l #	82
13) Acrolein	2.17	56	24	10.303	ug/l #	1
14) Allyl chloride	2.59	41	6744	1.951	ug/l #	69
16) Acetone	2.44	43	7541	6.034	ug/l #	87
18) Methyl Acetate	2.59	43	18574	6.312	ug/l #	54
31) Cyclohexane	5.65	56	3874	1.180	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	13649	5.045	ug/l #	51
38) Carbon Tetrachloride	5.65	117	17572	6.394	ug/l #	18
49) 1,4-Dioxane	7.76	88	29	0.504	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	57283	23.725	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	57283	67.991	ug/l #	8

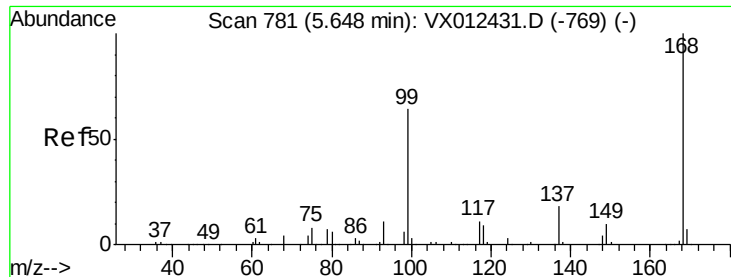
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Sep 23 12:27:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012735.D

Acq: 01 Oct 2019 16:01

Instrument :

MSVOA_X

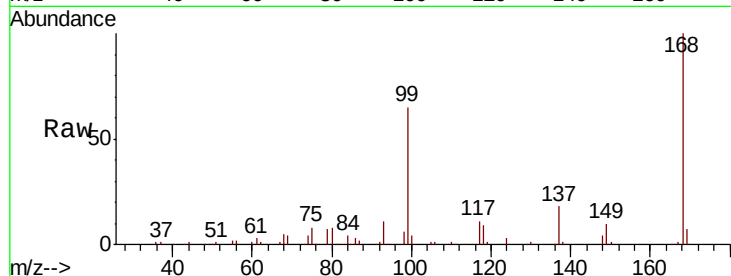
ClientSampled :

Tot Ion:168 Resp: 162023

Ion Ratio Lower Upper

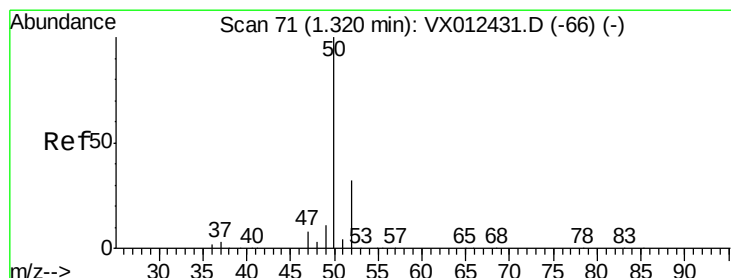
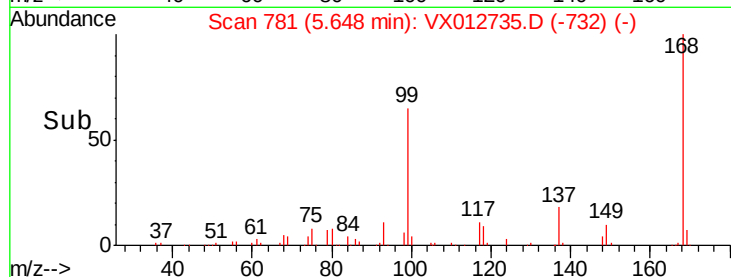
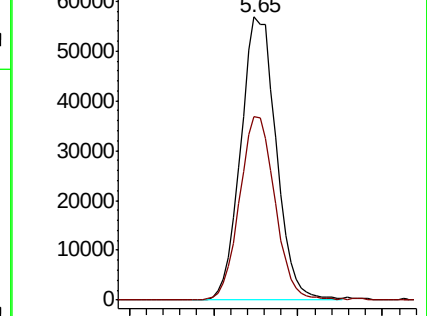
168 100

99 64.8 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.403 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012735.D

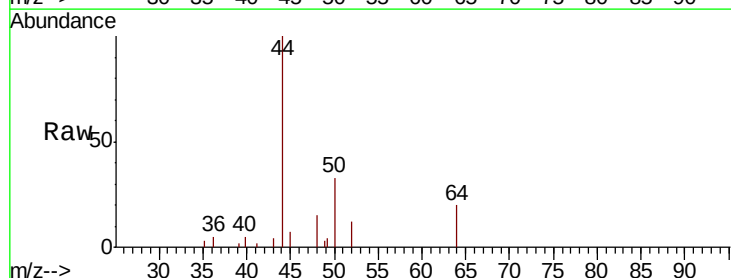
Acq: 01 Oct 2019 16:01

Tgt Ion: 50 Resp: 843

Ion Ratio Lower Upper

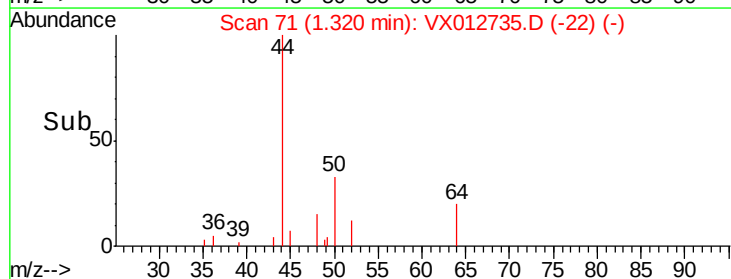
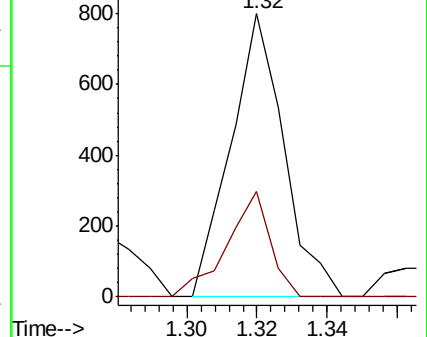
50 100

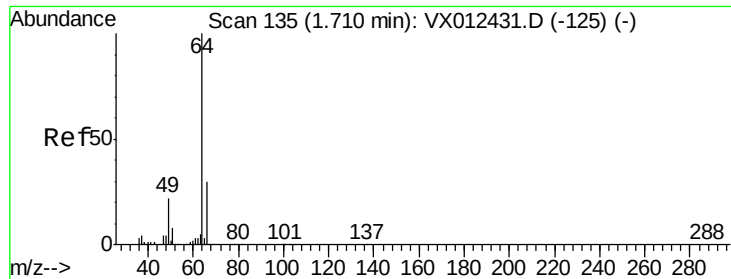
52 37.0 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: 0.530 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012735.D

Acq: 01 Oct 2019 16:01

Instrument :

MSVOA_X

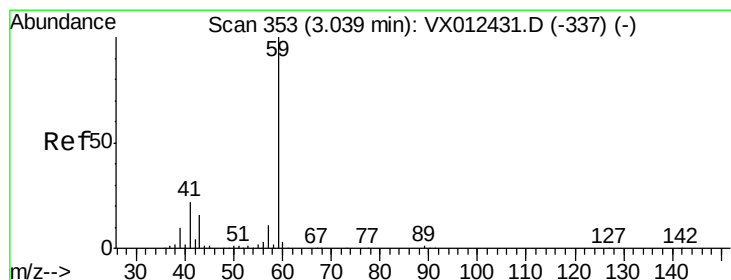
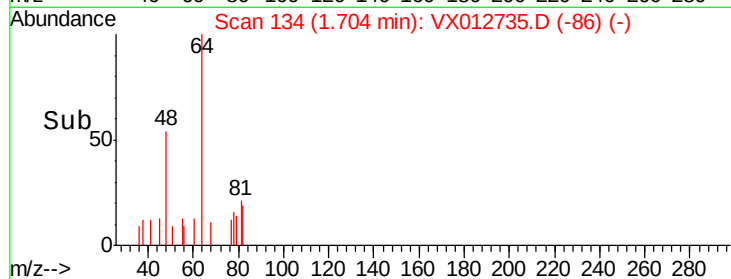
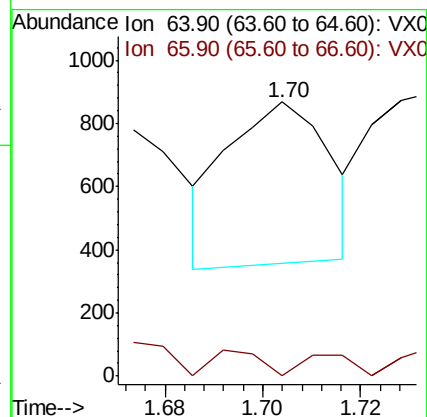
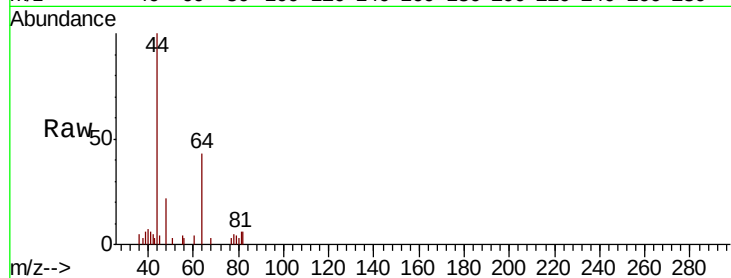
ClientSampled :

Tot Ion: 64 Resp: 744

Ion Ratio Lower Upper

64 100

66 0.0 24.0 36.0#



#11

Tert butyl alcohol

Concen: 4.606 ug/l

RT: 3.01 min Scan# 349

Delta R.T. -0.02 min

Lab File: VX012735.D

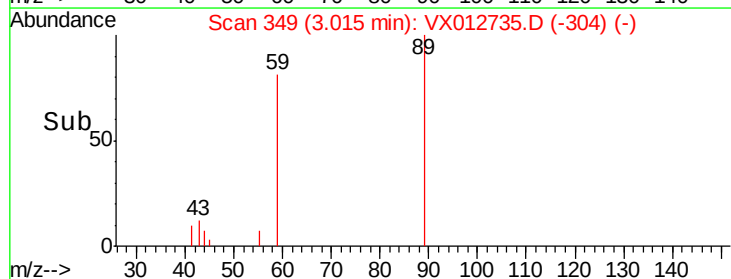
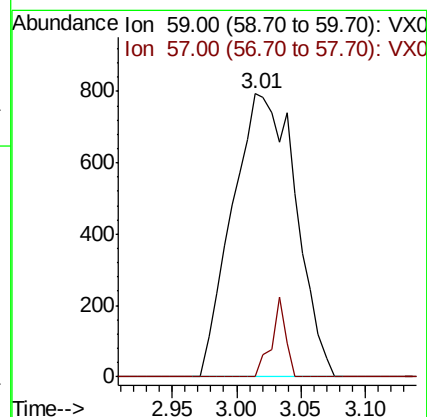
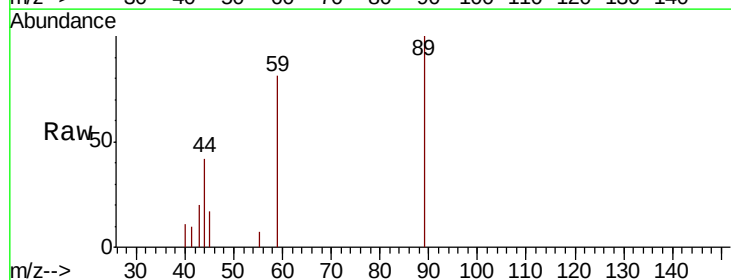
Acq: 01 Oct 2019 16:01

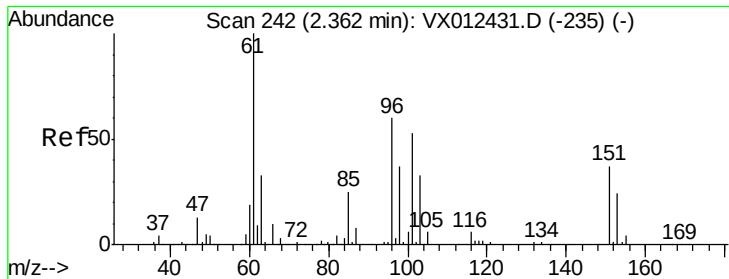
Tgt Ion: 59 Resp: 2715

Ion Ratio Lower Upper

59 100

57 6.2 8.3 12.5#





#12

1,1-Dichloroethene

Concen: 0.823 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX012735.D

Acq: 01 Oct 2019 16:01

Instrument :

MSVOA_X

ClientSampled :

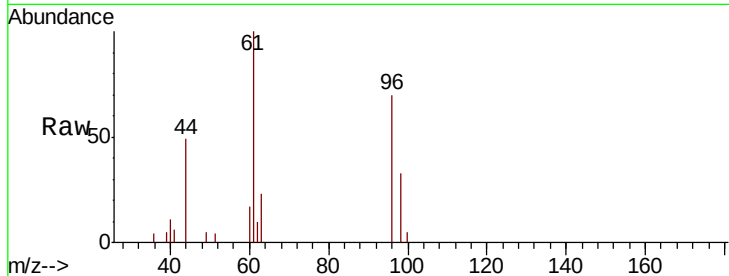
Tot Ion: 96 Resp: 1434

Ion Ratio Lower Upper

96 100

61 143.3 133.8 200.6

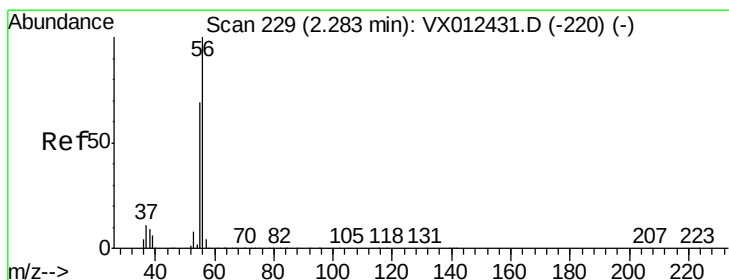
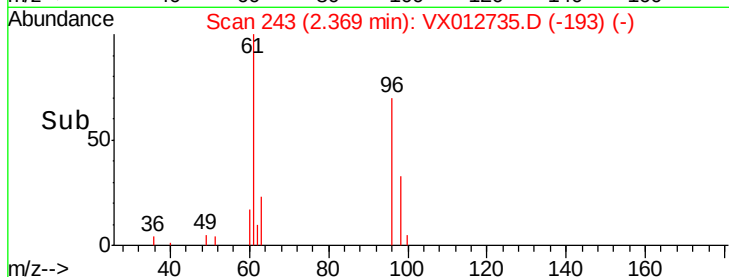
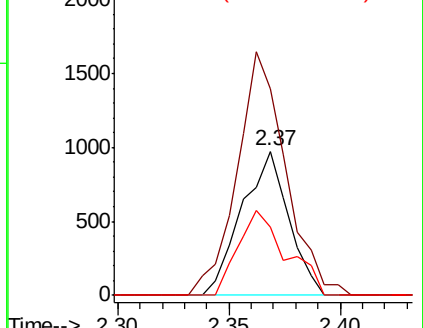
98 47.2 49.9 74.9#



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#13

Acrolein

Concen: 10.303 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.11 min

Lab File: VX012735.D

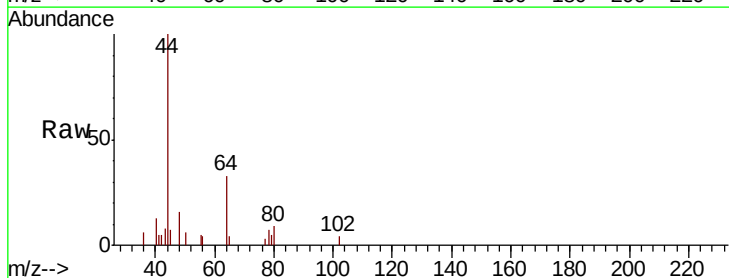
Acq: 01 Oct 2019 16:01

Tgt Ion: 56 Resp: 24

Ion Ratio Lower Upper

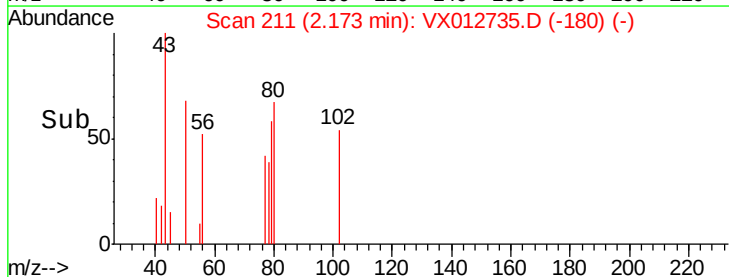
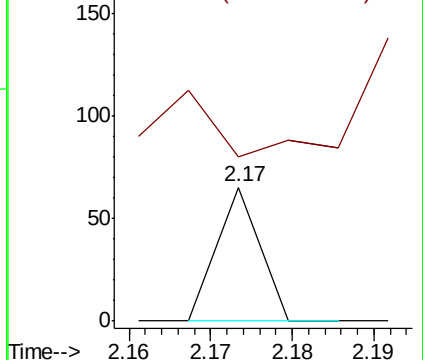
56 100

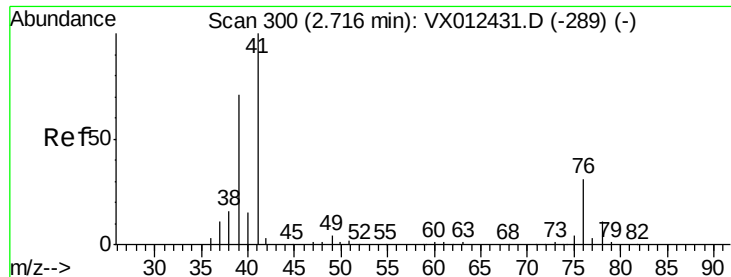
55 429.2 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#14

Allvl chloride

Concen: 1.951 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.12 min

Lab File: VX012735.D

Acq: 01 Oct 2019 16:01

Instrument :

MSVOA_X

ClientSampled :

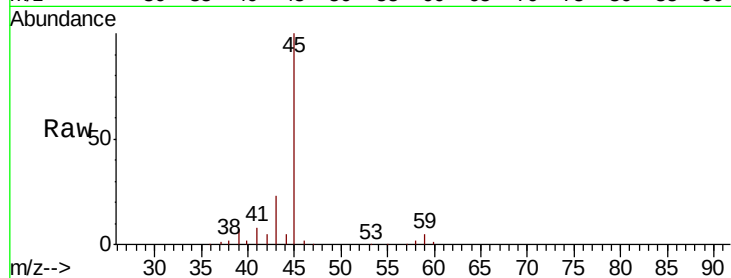
Tot Ion: 41 Resp: 6744

Ion Ratio Lower Upper

41 100

39 80.3 51.3 76.9#

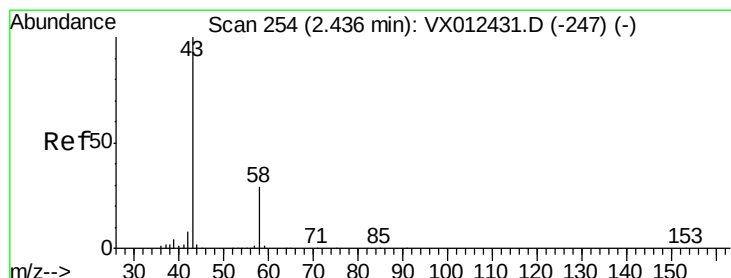
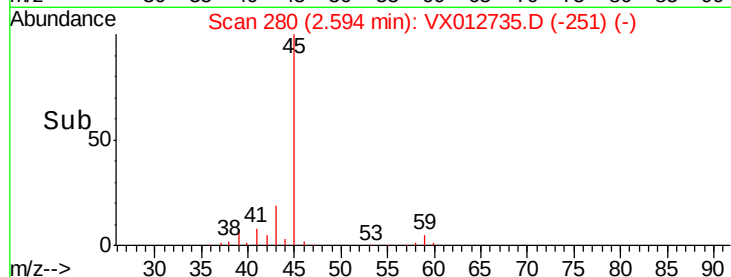
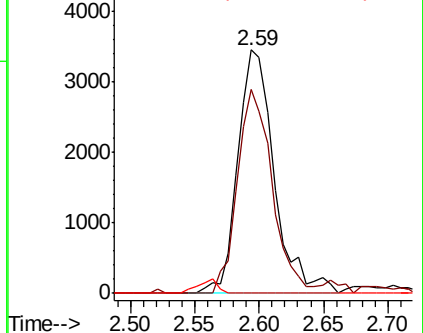
76 0.0 22.6 33.8#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0



#16

Acetone

Concen: 6.034 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012735.D

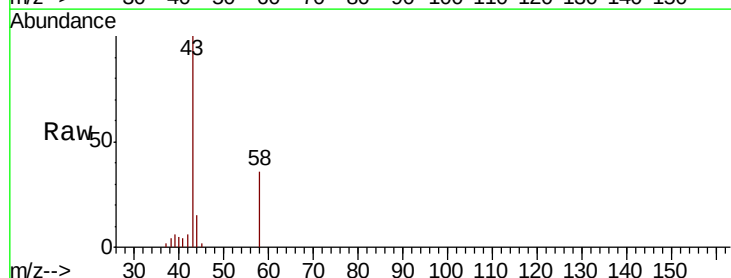
Acq: 01 Oct 2019 16:01

Tgt Ion: 43 Resp: 7541

Ion Ratio Lower Upper

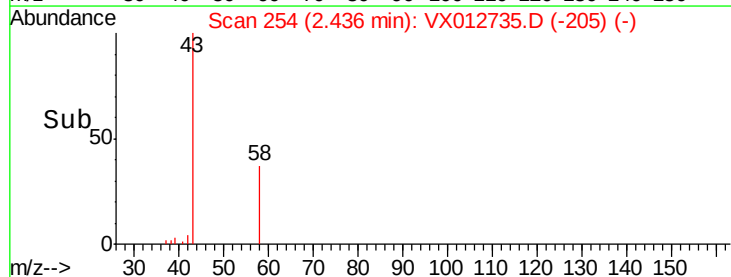
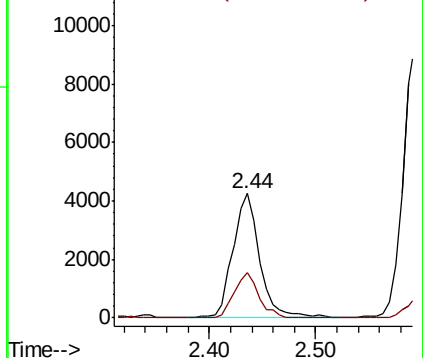
43 100

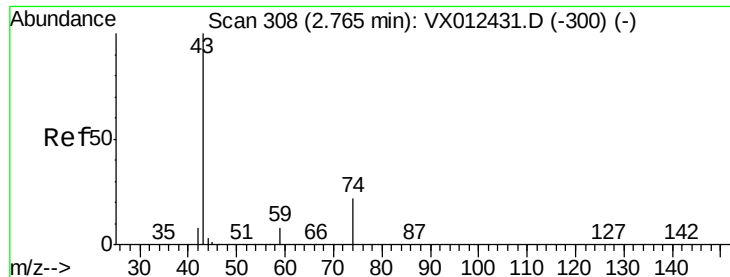
58 36.1 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

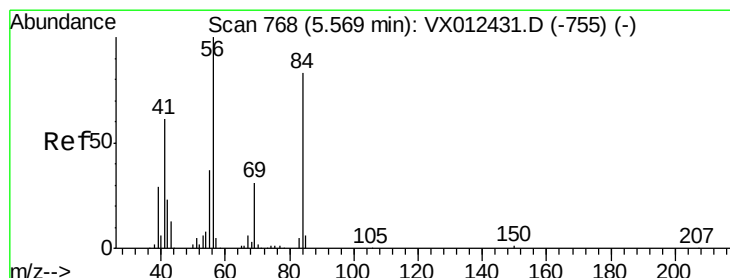
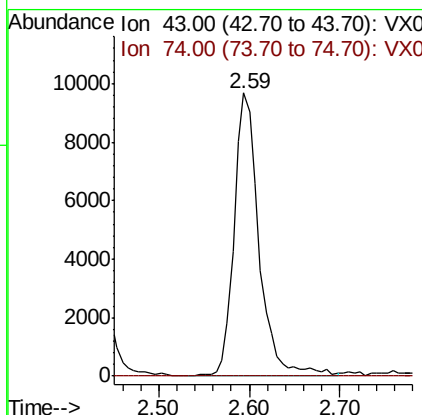
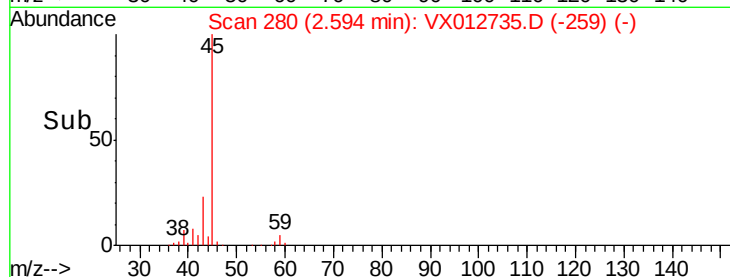
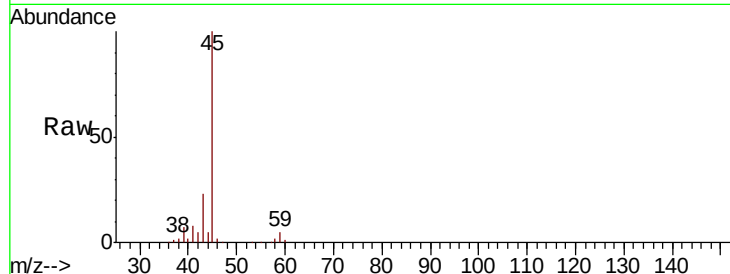




#18
Methvl Acetate
Concen: 6.312 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.17 min
Lab File: VX012735.D
Acq: 01 Oct 2019 16:01

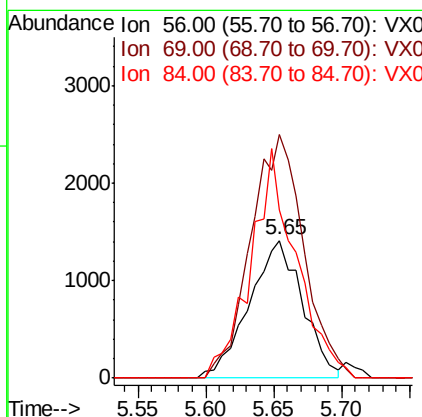
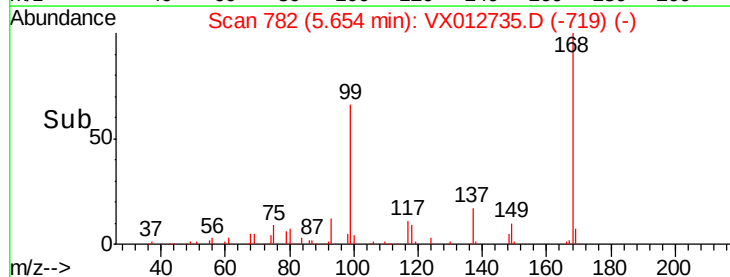
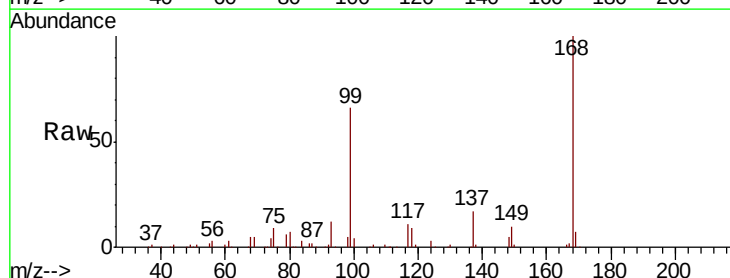
Instrument :
MSVOA_X
ClientSampled :

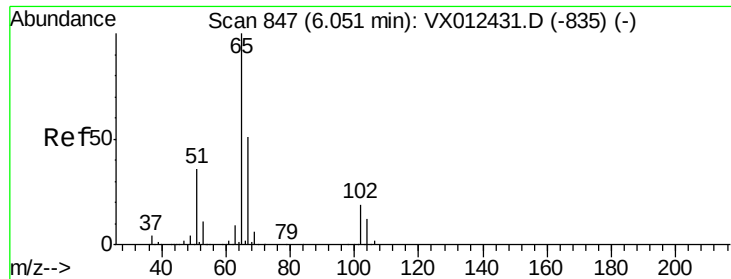
Tot Ion: 43 Resp: 18574
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#



#31
Cyclohexane
Concen: 1.180 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.09 min
Lab File: VX012735.D
Acq: 01 Oct 2019 16:01

Tgt Ion: 56 Resp: 3874
Ion Ratio Lower Upper
56 100
69 176.6 25.0 37.6#
84 121.9 66.4 99.6#

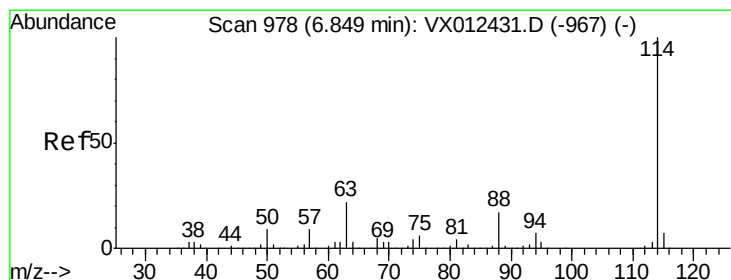
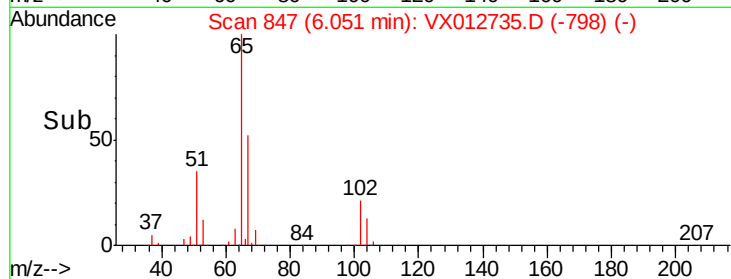
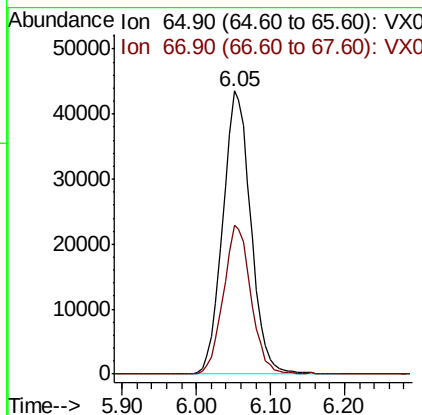
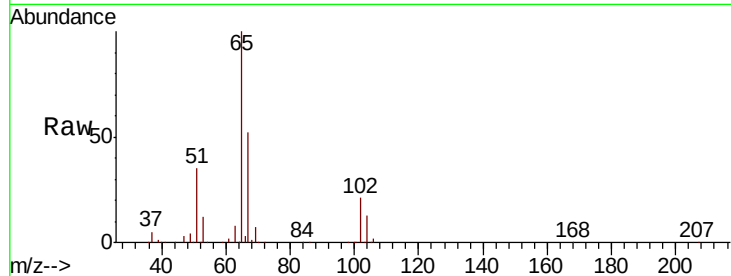




#33
 1,2-Dichloroethane-d4
 Concen: 48.471 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012735.D
 Acq: 01 Oct 2019 16:01

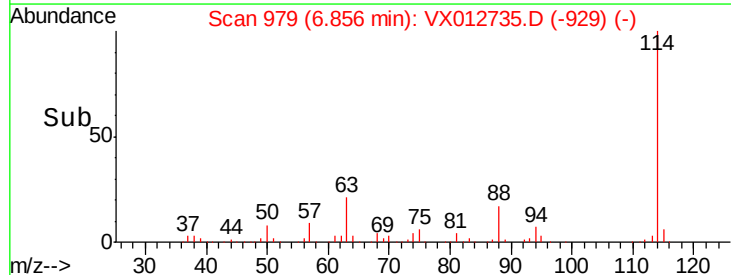
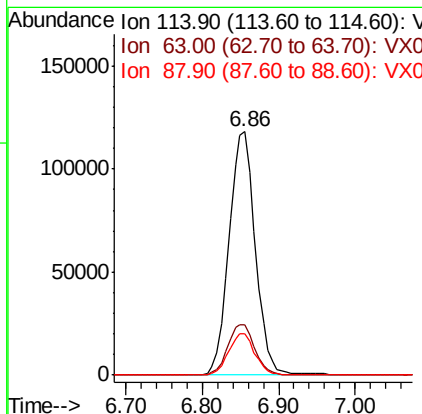
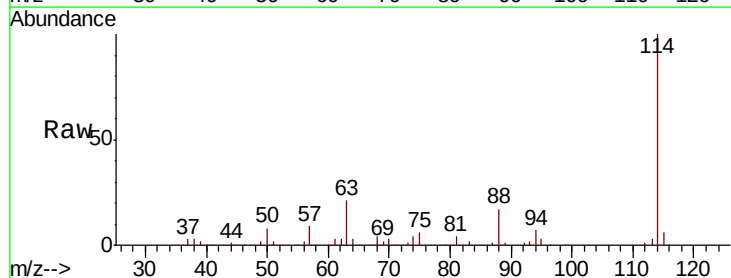
Instrument :
 MSVOA_X
 ClientSampleId :

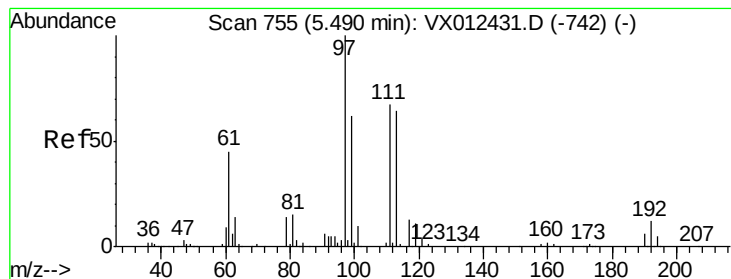
Tot Ion: 65 Resp: 114361
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 979
 Delta R.T. 0.01 min
 Lab File: VX012735.D
 Acq: 01 Oct 2019 16:01

Tgt Ion: 114 Resp: 280657
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 43.2
 88 16.8 0.0 33.2





#35

Dibromofluoromethane

Concen: 51.237 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012735.D

Acq: 01 Oct 2019 16:01

Instrument :

MSVOA_X

ClientSampleId :

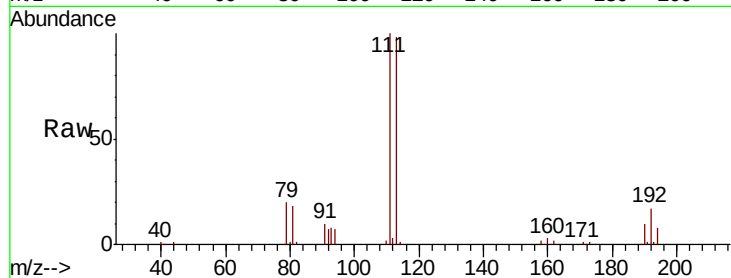
Tot Ion:113 Resp: 85639

Ion Ratio Lower Upper

113 100

111 102.5 83.4 125.2

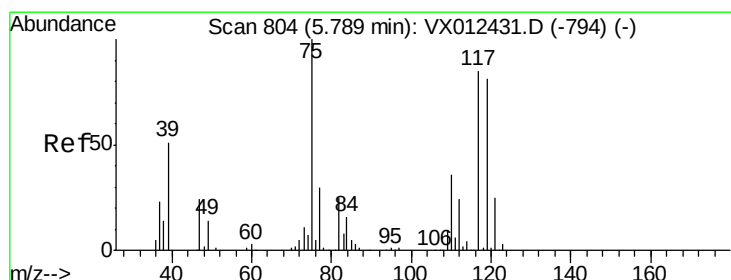
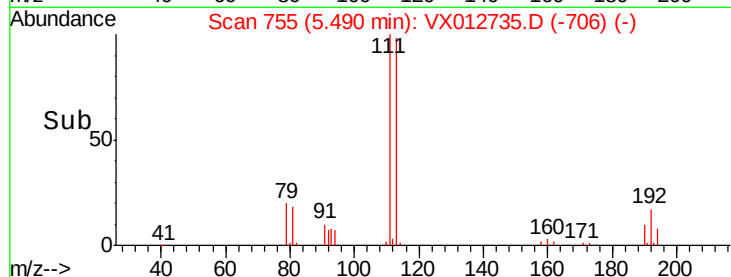
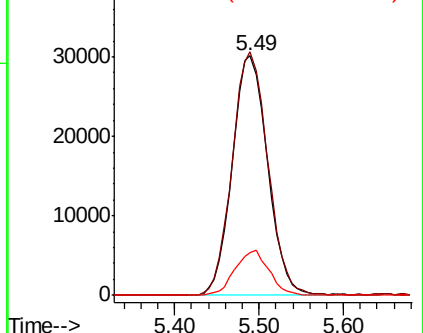
192 17.9 14.4 21.6



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: 5.045 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX012735.D

Acq: 01 Oct 2019 16:01

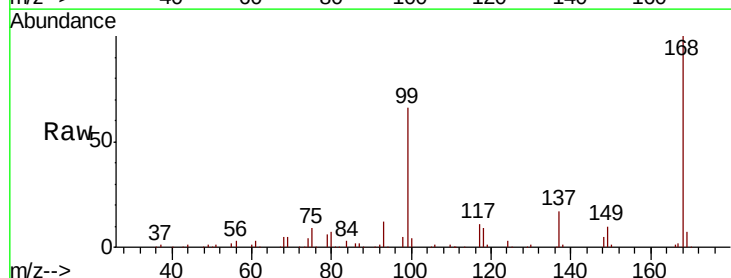
Tgt Ion: 75 Resp: 13649

Ion Ratio Lower Upper

75 100

110 9.2 16.7 50.0#

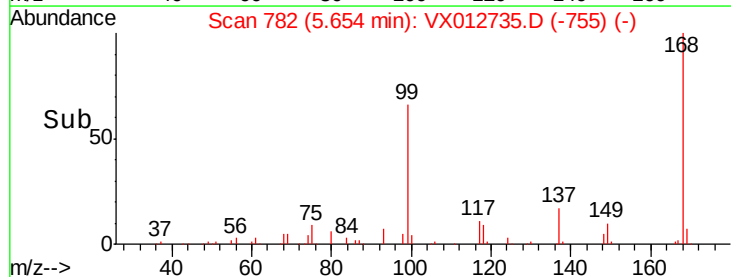
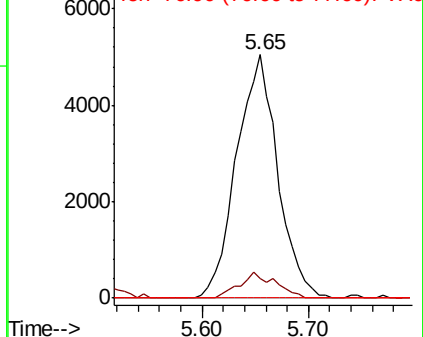
77 0.0 24.2 36.2#

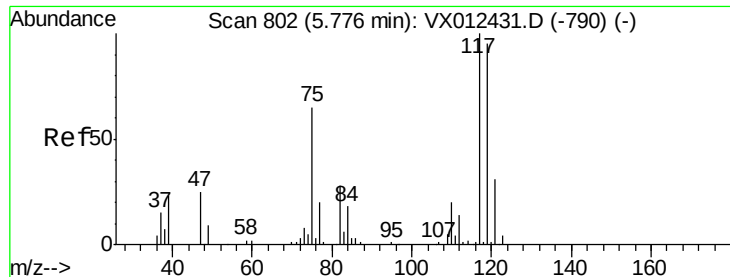


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.394 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX012735.D

Acq: 01 Oct 2019 16:01

Instrument :

MSVOA_X

ClientSampled :

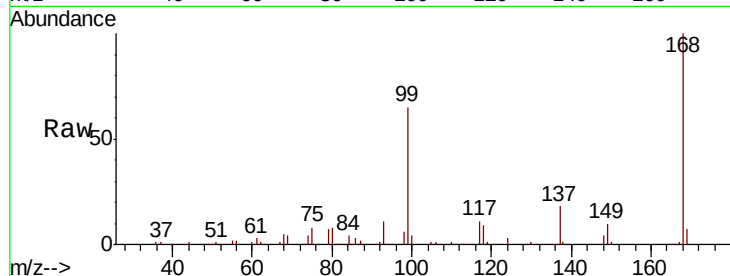
Tot Ion:117 Resp: 17572

Ion Ratio Lower Upper

117 100

119 6.5 75.7 113.5#

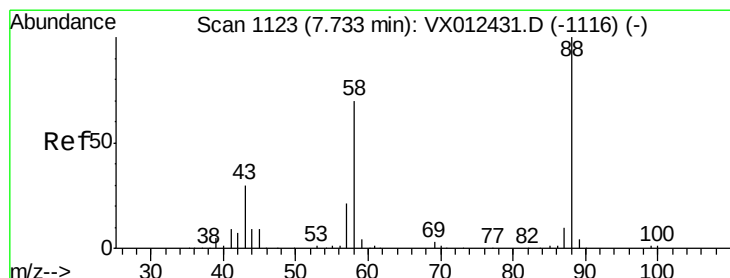
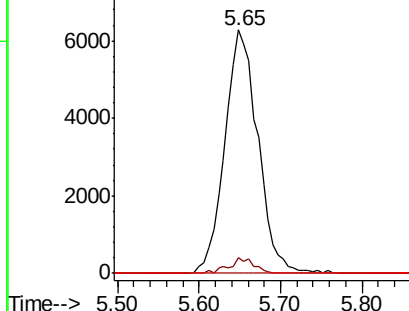
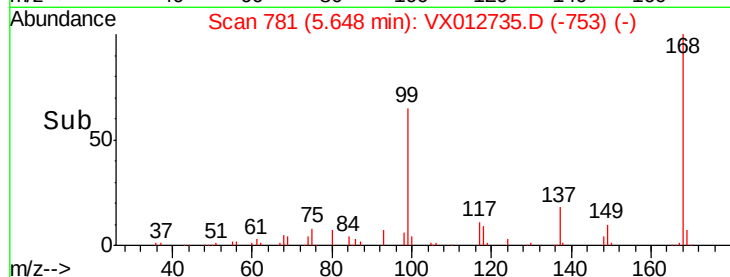
121 0.0 24.2 36.4#



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: 0.504 ug/l

RT: 7.76 min Scan# 1127

Delta R.T. 0.02 min

Lab File: VX012735.D

Acq: 01 Oct 2019 16:01

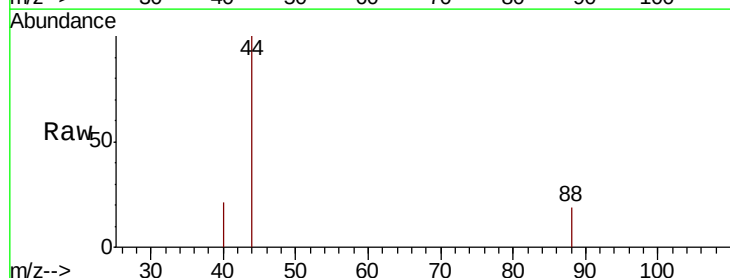
Tgt Ion: 88 Resp: 29

Ion Ratio Lower Upper

88 100

43 224.1 29.4 44.0#

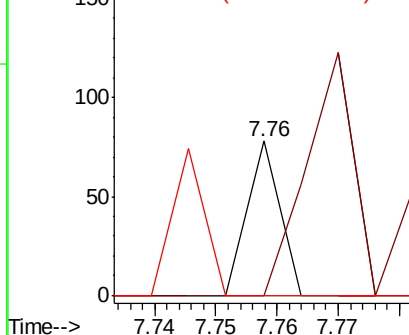
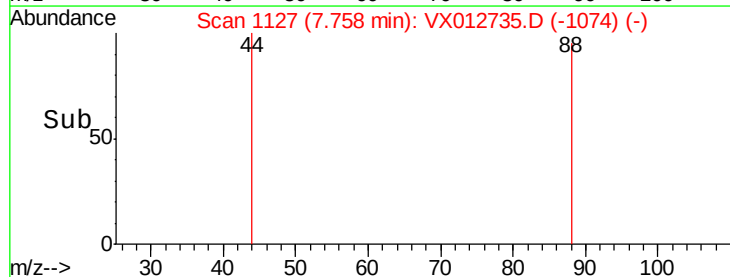
58 0.0 57.5 86.3#

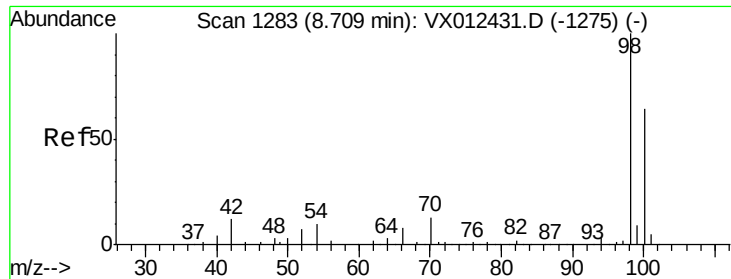


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

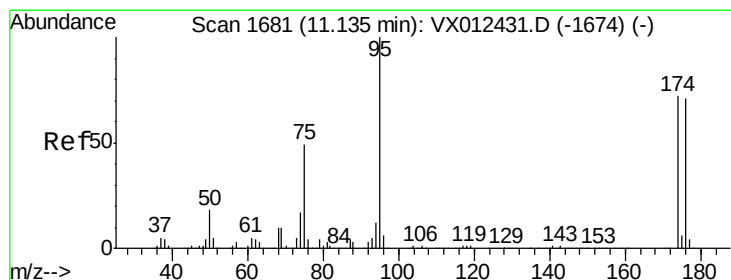
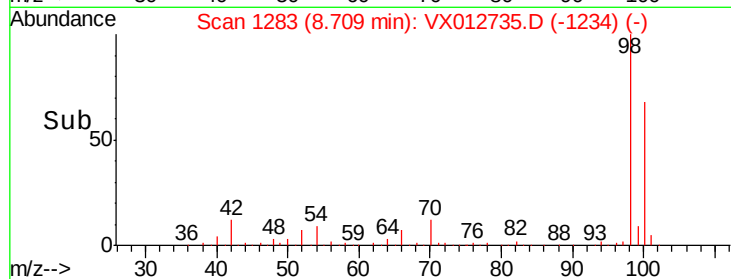
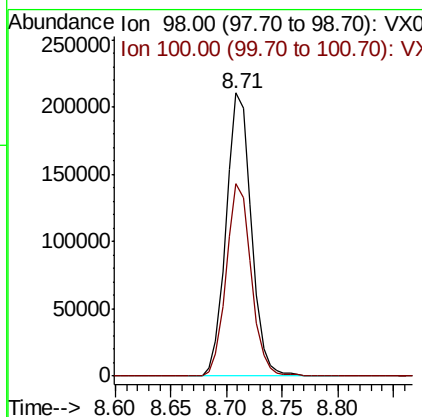
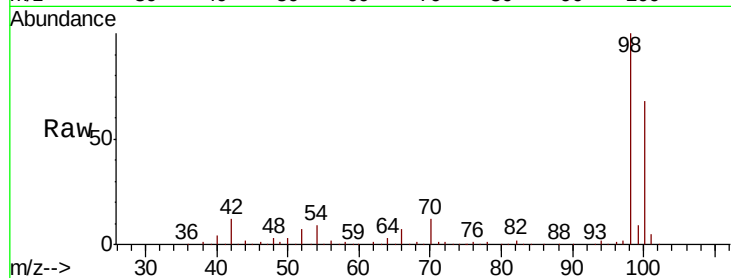




#50
Toluene-d8
Concen: 51.344 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012735.D
Acq: 01 Oct 2019 16:01

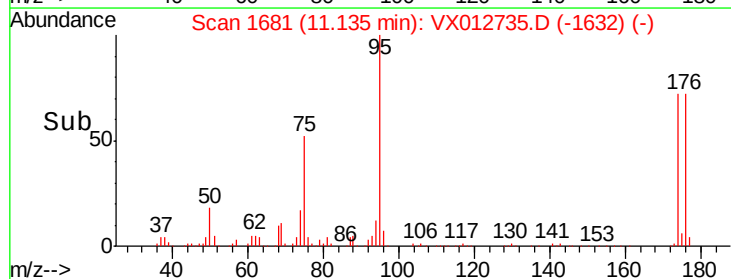
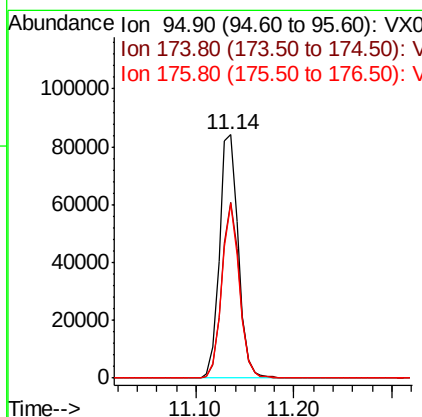
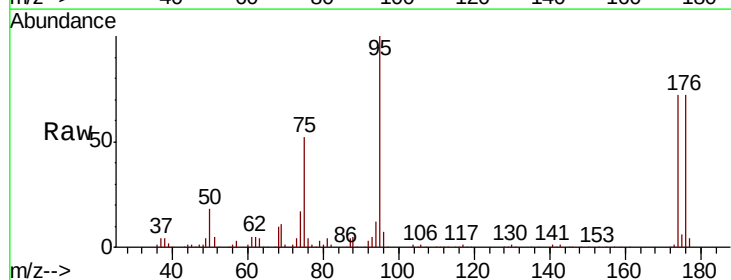
Instrument :
MSVOA_X
ClientSampleId :

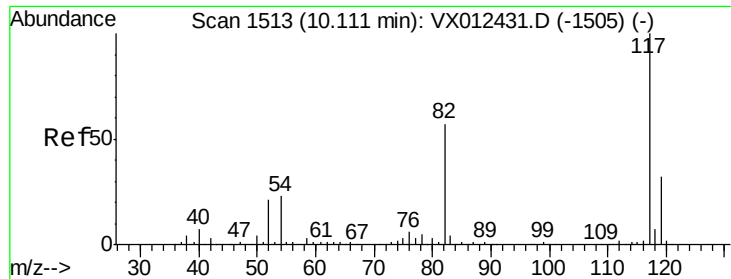
Tot Ion: 98 Resp: 330489
Ion Ratio Lower Upper
98 100
100 67.4 53.4 80.2



#62
4-Bromofluorobenzene
Concen: 44.223 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX012735.D
Acq: 01 Oct 2019 16:01

Tgt Ion: 95 Resp: 111926
Ion Ratio Lower Upper
95 100
174 68.6 0.0 140.0
176 66.7 0.0 135.4

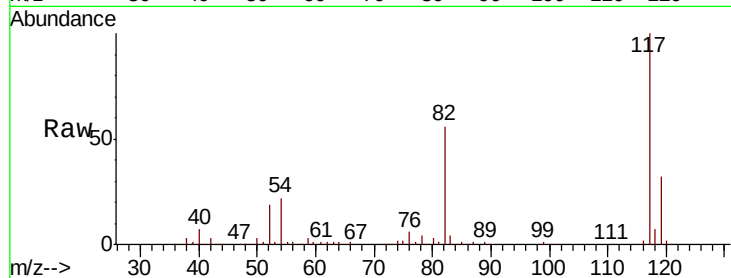




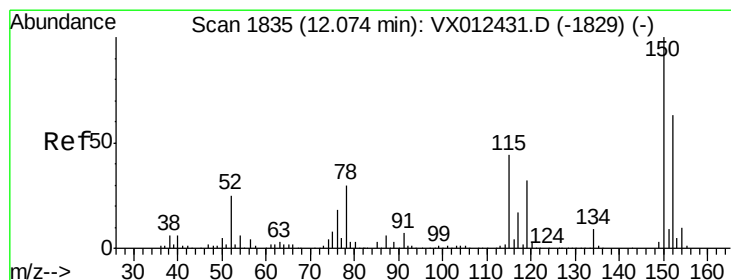
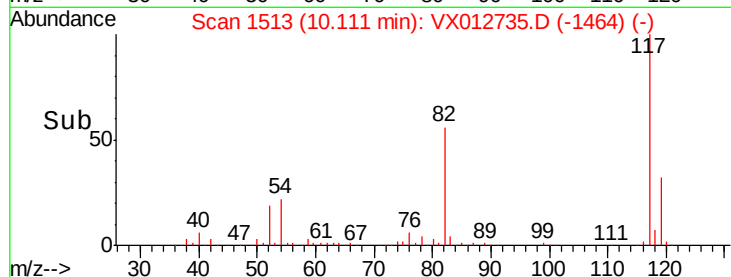
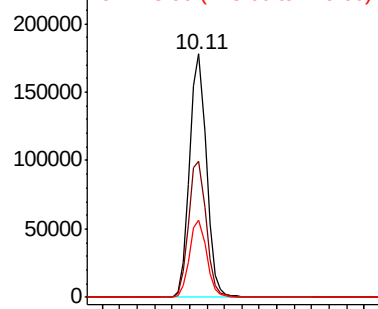
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012735.D
Acq: 01 Oct 2019 16:01

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 238142
Ion Ratio Lower Upper
117 100
82 55.8 45.9 68.9
119 31.7 25.3 37.9

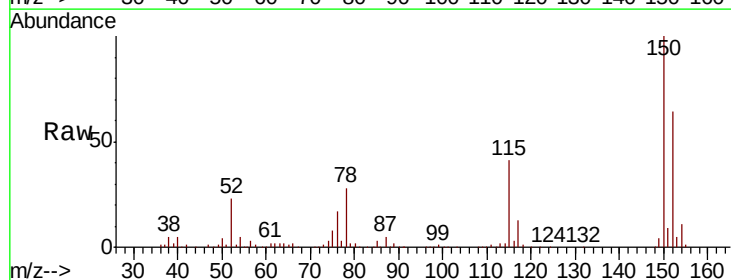


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

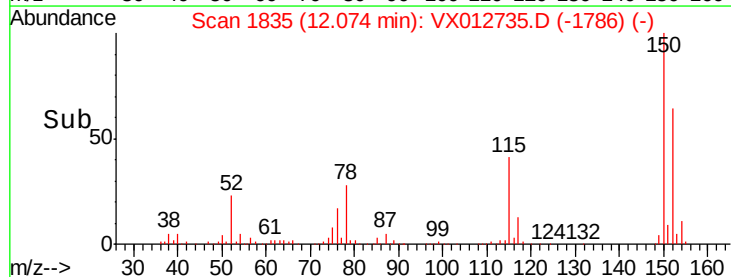
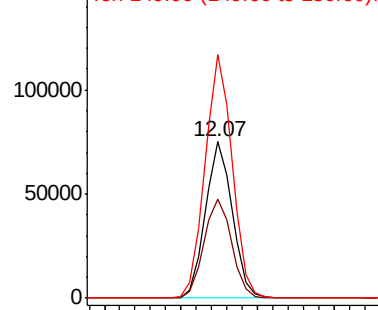


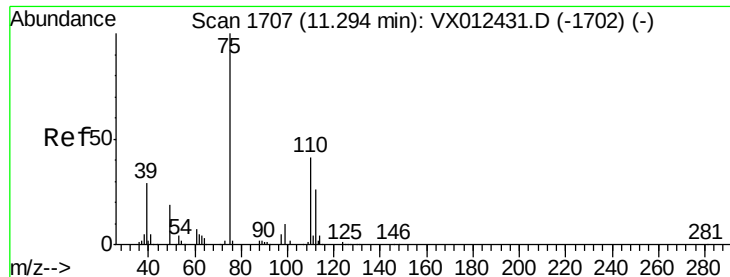
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012735.D
Acq: 01 Oct 2019 16:01

Tgt Ion:152 Resp: 91274
Ion Ratio Lower Upper
152 100
115 65.4 44.1 132.3
150 157.6 0.0 343.8



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: 23.725 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012735.D

Acq: 01 Oct 2019 16:01

Instrument :

MSVOA_X

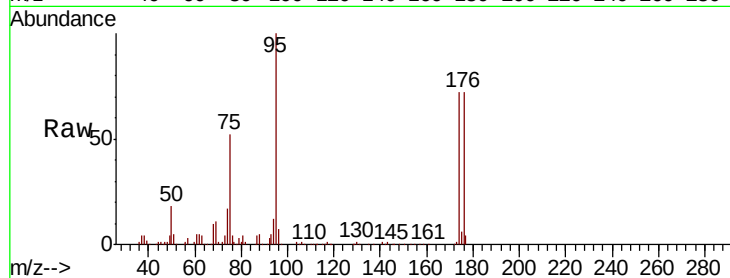
ClientSampled :

Tot Ion: 75 Resp: 57283

Ion Ratio Lower Upper

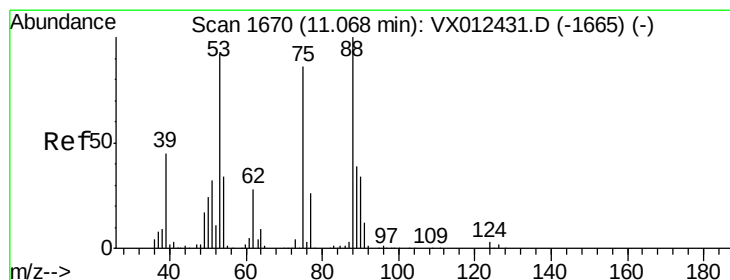
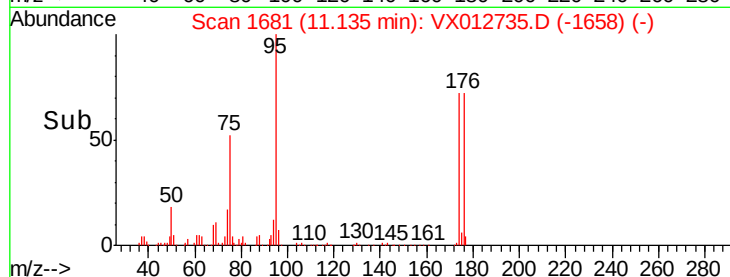
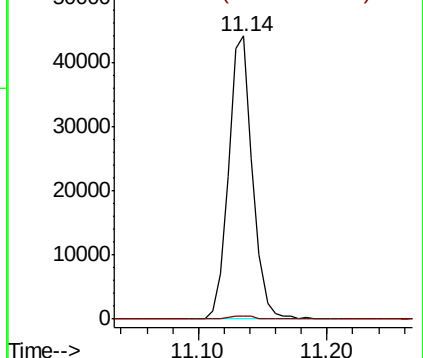
75 100

77 1.4 19.7 59.0#



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: 67.991 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012735.D

Acq: 01 Oct 2019 16:01

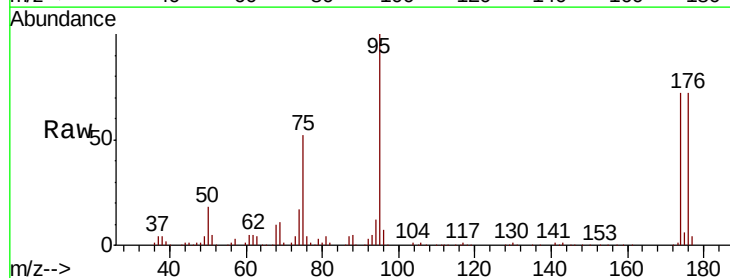
Tgt Ion: 75 Resp: 57283

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.1 36.3 54.5#



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

