

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031919\
 Data File : VX008201.D
 Acq On : 19 Mar 2019 19:44
 Operator : JC/SP
 Sample : K1860-08 50X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 20 07:12:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 06:51:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	334025	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	548494	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	459830	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	186677	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	235980	46.91	ug/l	0.00
Spiked Amount			Recovery	=	93.82%	
35) Dibromofluoromethane	5.50	113	170773	46.51	ug/l	0.00
Spiked Amount			Recovery	=	93.02%	
50) Toluene-d8	8.71	98	671262	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	
62) 4-Bromofluorobenzene	11.13	95	215162	44.89	ug/l	0.00
Spiked Amount			Recovery	=	89.78%	

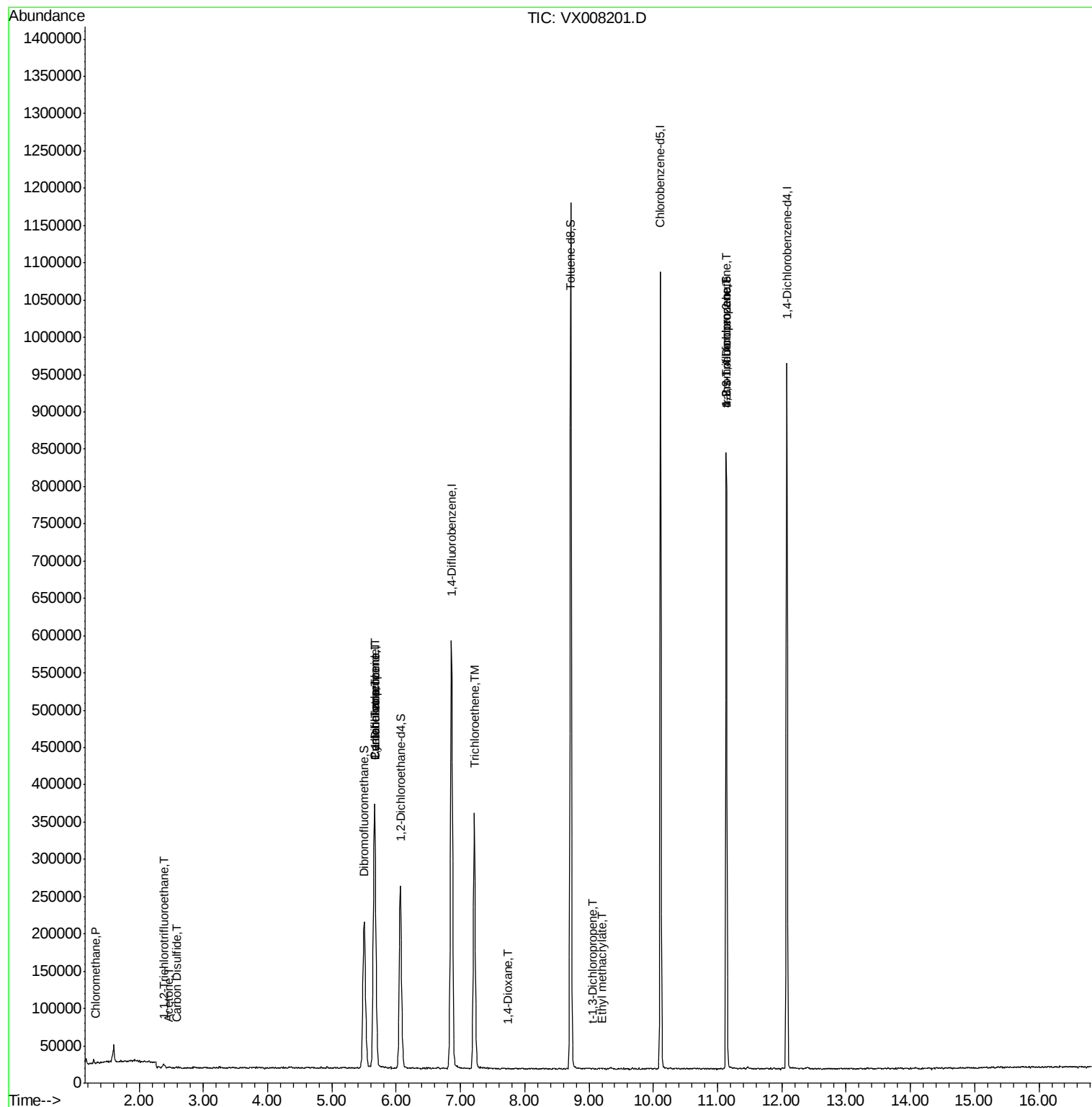
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1077	0.212	ug/l #	77
9) 1,1,2-Trichlorotrifluoroet	2.39	101	1420	0.331	ug/l #	78
13) Acrolein	2.32	56	154	Below Cal	#	62
16) Acetone	2.45	43	1115	0.391	ug/l #	59
17) Carbon Disulfide	2.57	76	1104	0.758	ug/l	96
31) Cyclohexane	5.67	56	8069	0.967	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	28313	4.434	ug/l #	49
38) Carbon Tetrachloride	5.66	117	32673	5.742	ug/l #	16
44) Trichloroethene	7.21	130	127160	27.515	ug/l	89
49) 1,4-Dioxane	7.73	88	46	0.405	ug/l #	1
53) t-1,3-Dichloropropene	9.05	75	232	1.452	ug/l #	43
56) Ethyl methacrylate	9.19	69	114	0.540	ug/l #	25
76) 1,2,3-Trichloropropane	11.13	75	111522	21.240	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	111522	54.028	ug/l #	12

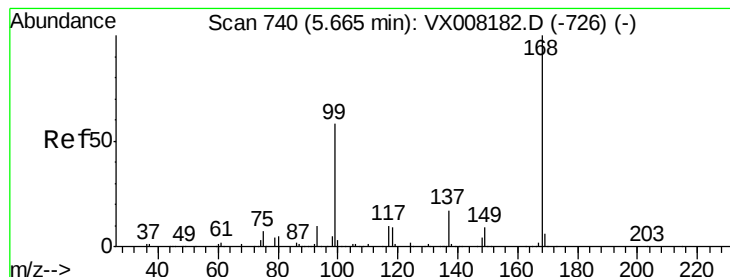
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX008201.D

Acq: 19 Mar 2019 19:44

Instrument :

MSVOA_X

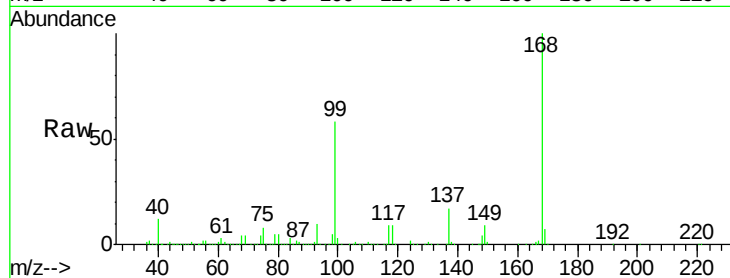
ClientSampleId :

Tot Ion:168 Resp: 334025

Ion Ratio Lower Upper

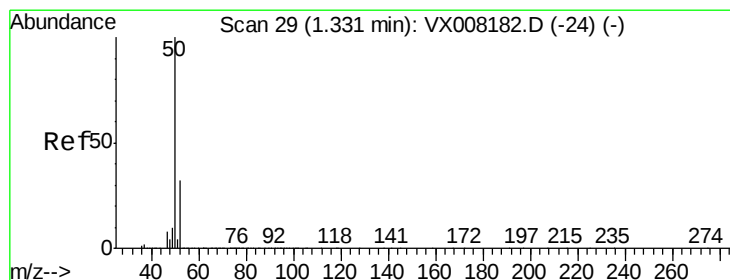
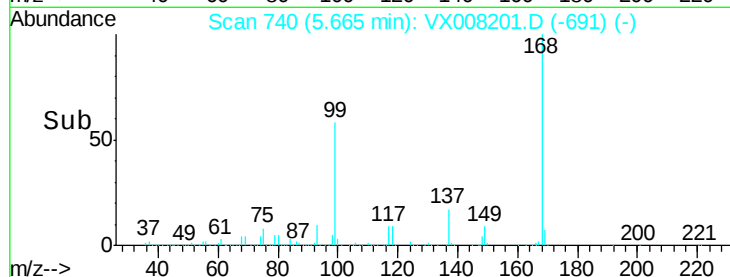
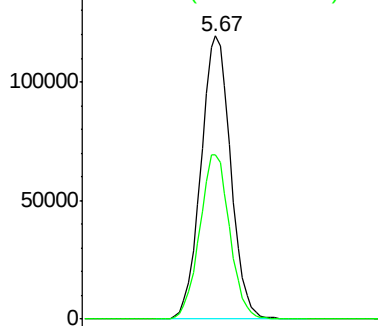
168 100

99 57.8 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.212 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX008201.D

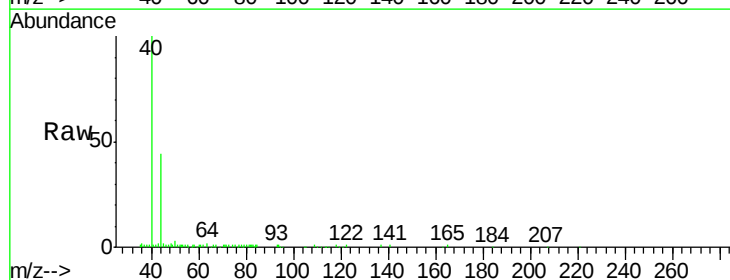
Acq: 19 Mar 2019 19:44

Tgt Ion: 50 Resp: 1077

Ion Ratio Lower Upper

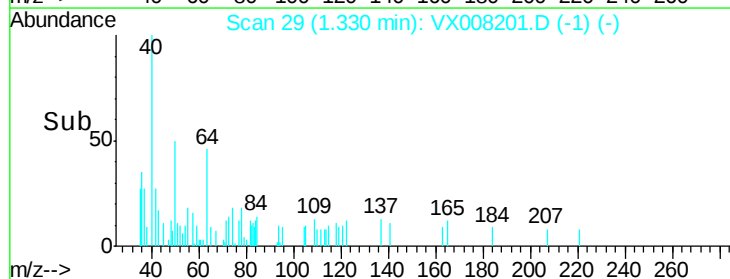
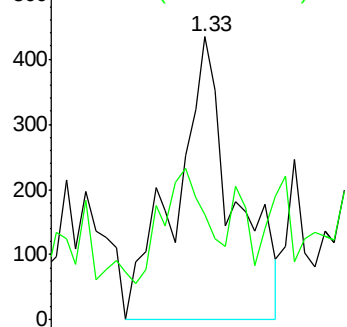
50 100

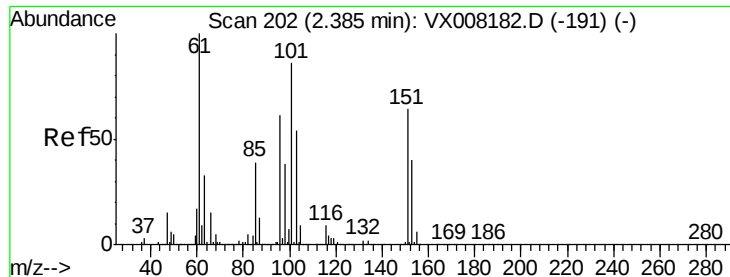
52 20.3 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.331 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.01 min

Lab File: VX008201.D

Acq: 19 Mar 2019 19:44

Instrument :

MSVOA_X

ClientSampled :

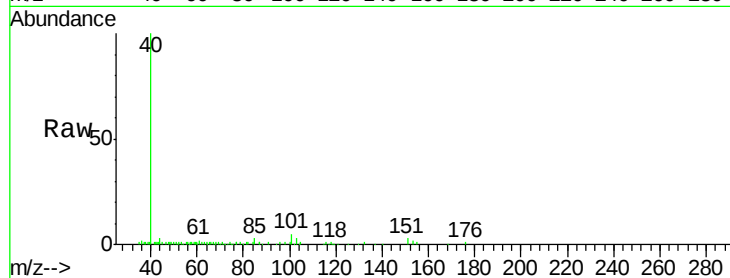
Tot Ion:101 Resp: 1420

Ion Ratio Lower Upper

101 100

85 55.8 33.8 50.6#

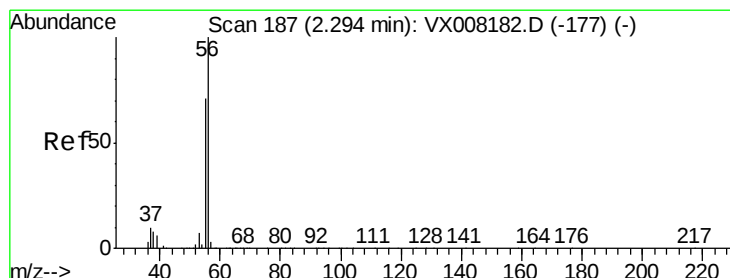
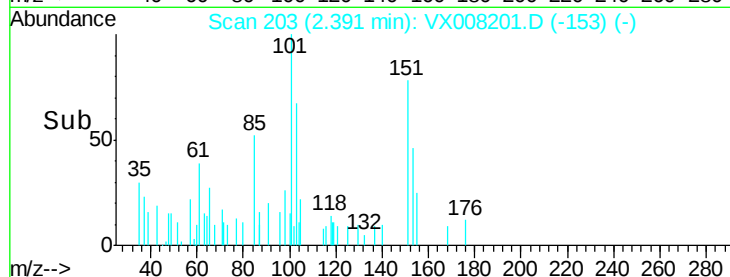
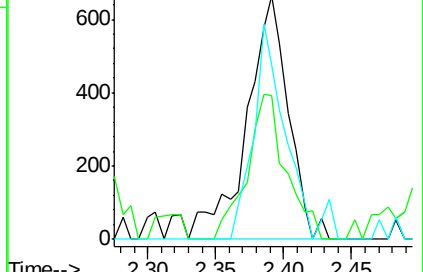
151 65.7 69.1 103.7#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#13

Acrolein

Concen: Below Cal

RT: 2.32 min Scan# 192

Delta R.T. 0.03 min

Lab File: VX008201.D

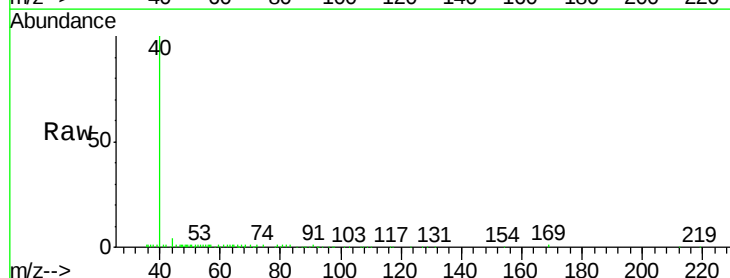
Acq: 19 Mar 2019 19:44

Tgt Ion: 56 Resp: 154

Ion Ratio Lower Upper

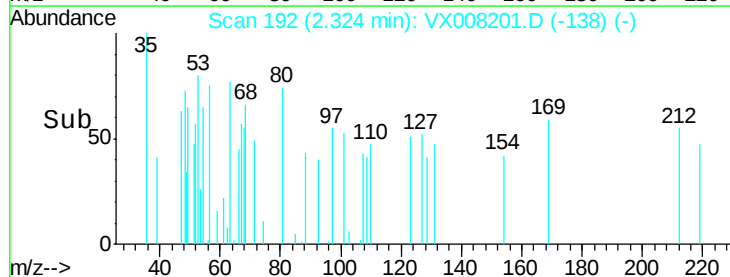
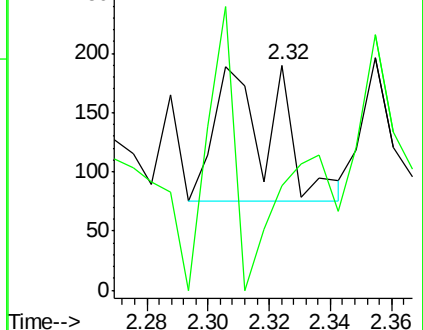
56 100

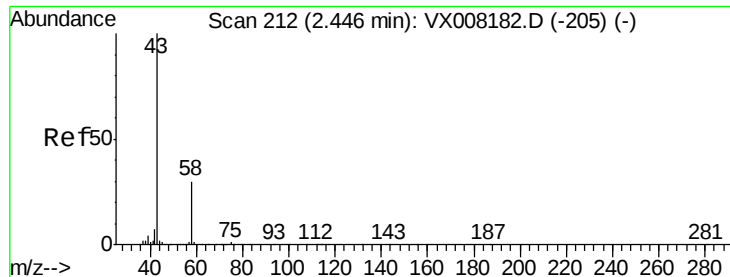
55 40.9 57.8 86.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 0.391 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX008201.D

Acq: 19 Mar 2019 19:44

Instrument :

MSVOA_X

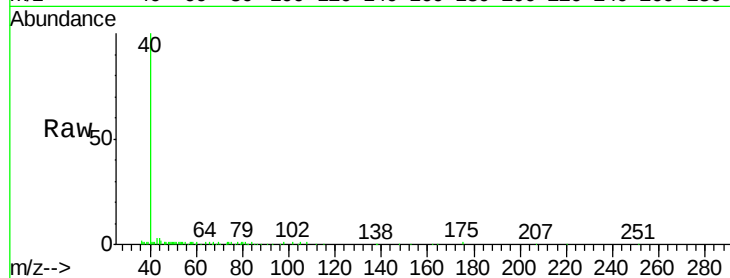
ClientSampleId :

Tot Ion: 43 Resp: 1115

Ion Ratio Lower Upper

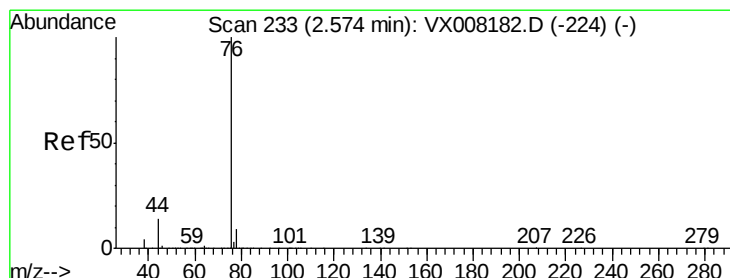
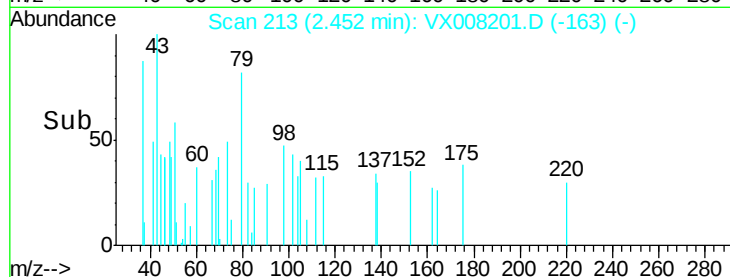
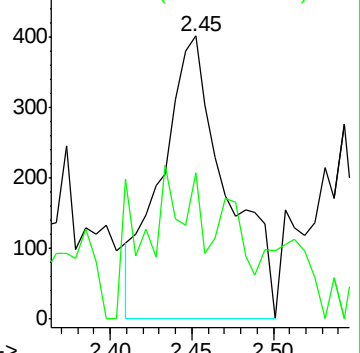
43 100

58 9.0 25.5 38.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.758 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX008201.D

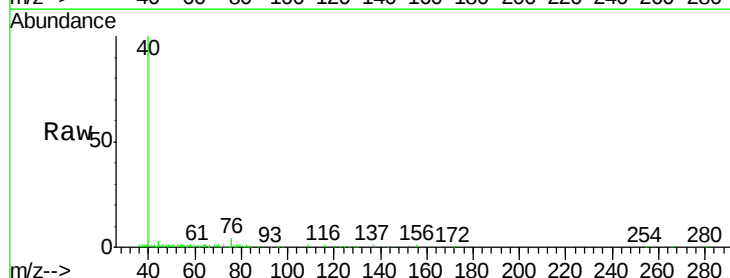
Acq: 19 Mar 2019 19:44

Tgt Ion: 76 Resp: 1104

Ion Ratio Lower Upper

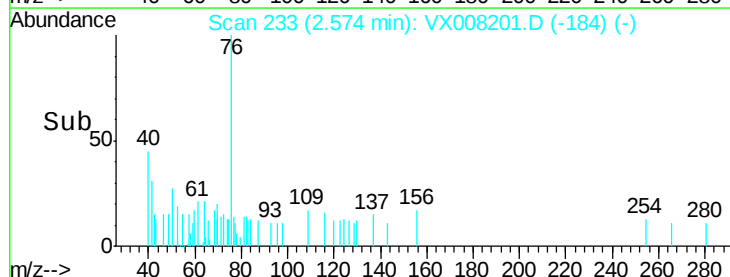
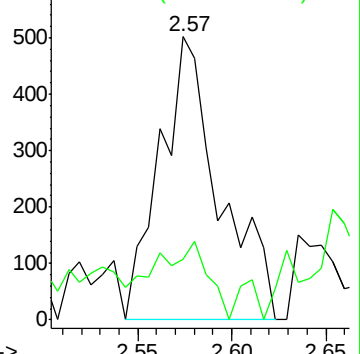
76 100

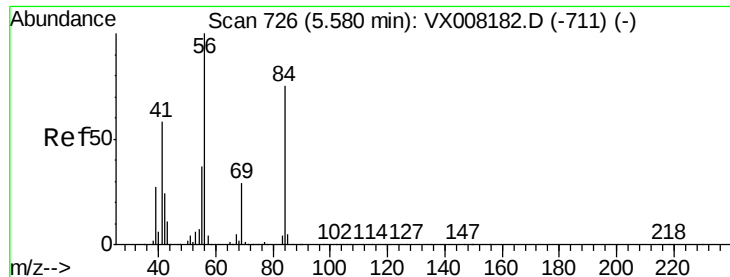
78 10.6 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

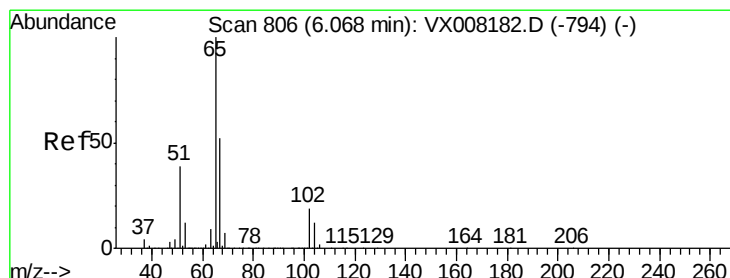
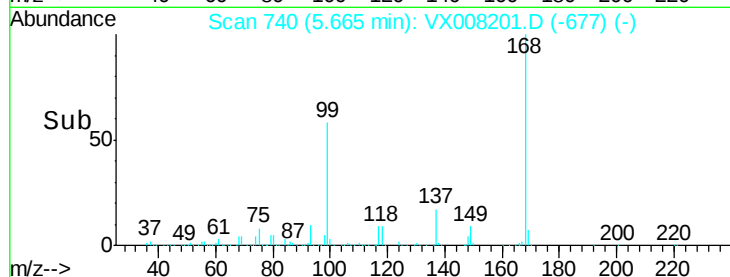
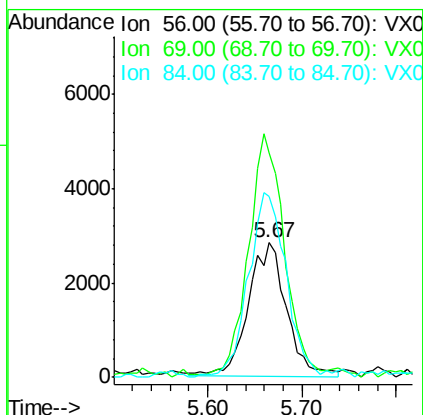
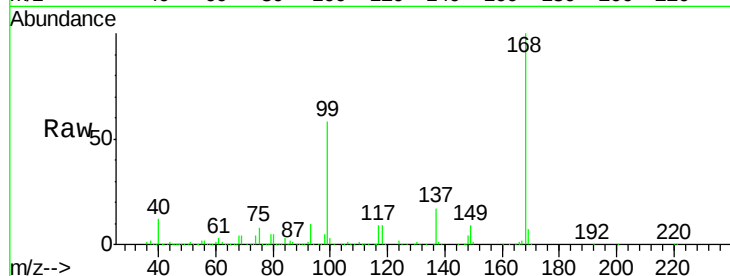




#31
Cyclohexane
Concen: 0.967 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX008201.D
Acq: 19 Mar 2019 19:44

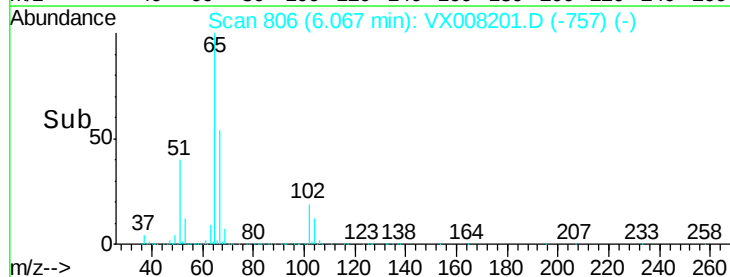
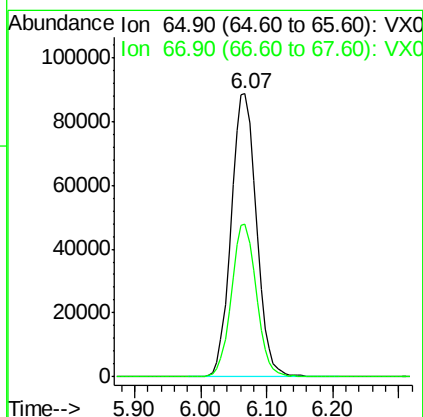
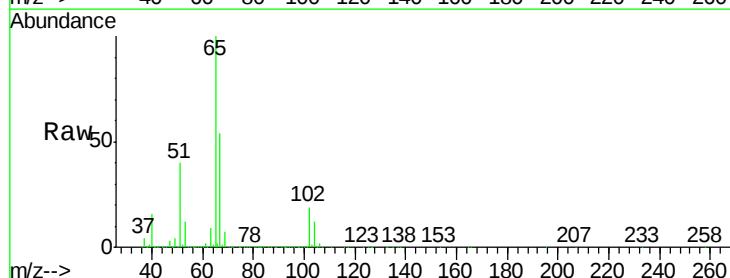
Instrument :
MSVOA_X
ClientSampled :

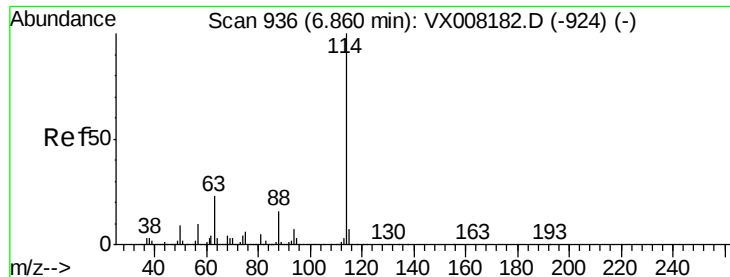
Tot Ion: 56 Resp: 8069
Ion Ratio Lower Upper
56 100
69 169.4 24.0 36.0#
84 139.0 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 46.908 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX008201.D
Acq: 19 Mar 2019 19:44

Tgt Ion: 65 Resp: 235980
Ion Ratio Lower Upper
65 100
67 53.4 0.0 110.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008201.D

Acq: 19 Mar 2019 19:44

Instrument :

MSVOA_X

ClientSampleId :

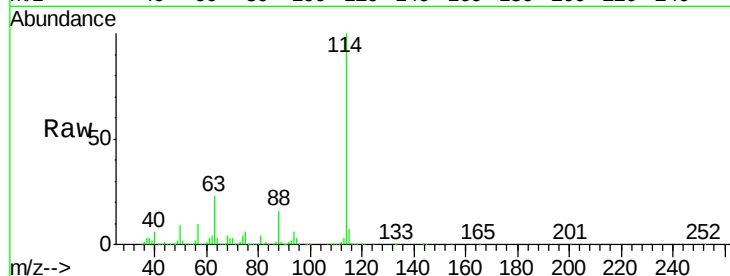
Tot Ion:114 Resp: 548494

Ion Ratio Lower Upper

114 100

63 22.7 0.0 39.8

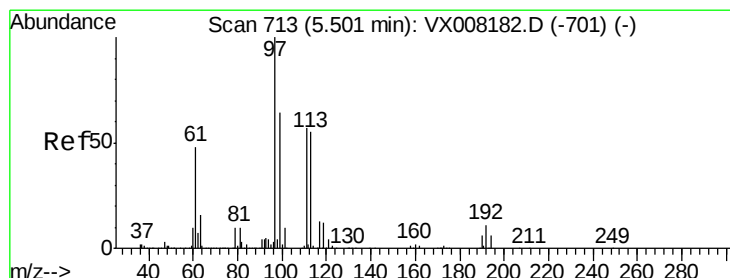
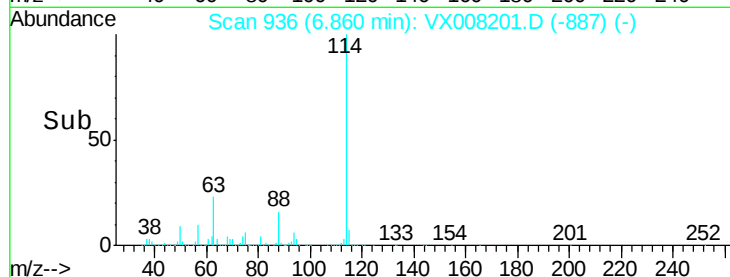
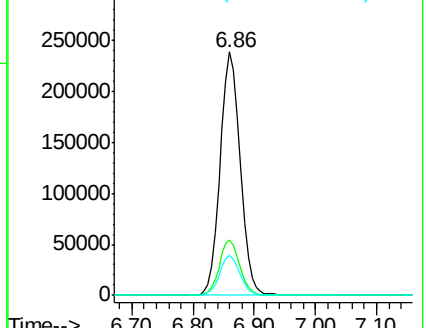
88 16.4 0.0 31.4



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: 46.509 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008201.D

Acq: 19 Mar 2019 19:44

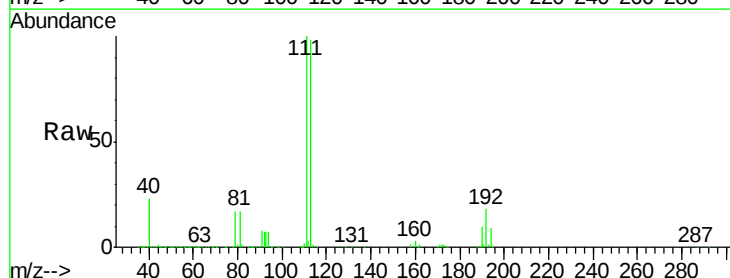
Tgt Ion:113 Resp: 170773

Ion Ratio Lower Upper

113 100

111 103.4 81.4 122.0

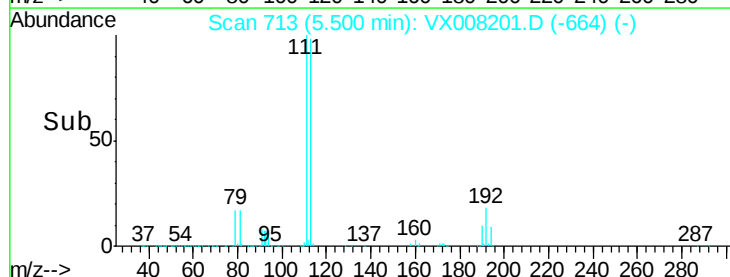
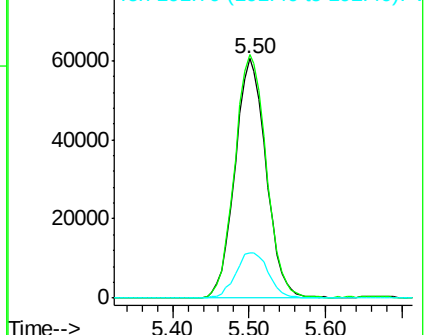
192 20.1 19.4 29.0

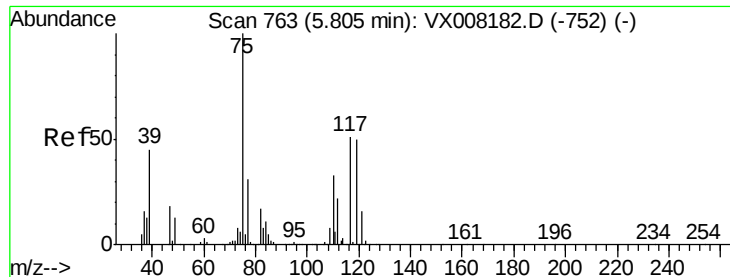


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.434 ug/l

RT: 5.67 min Scan# 740

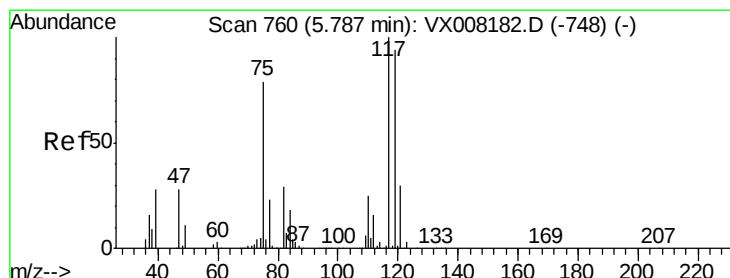
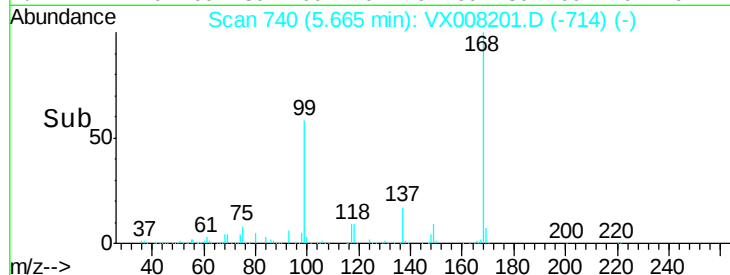
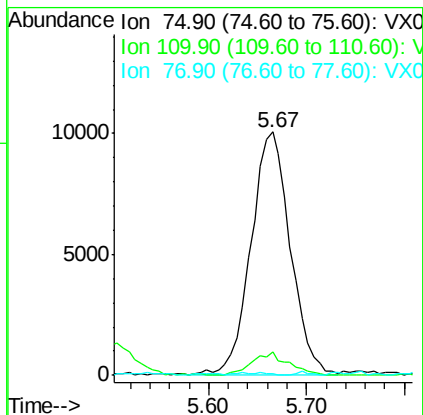
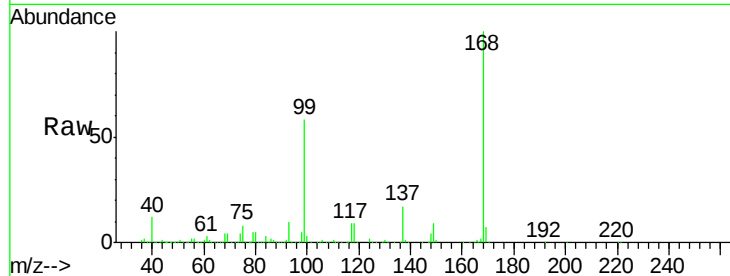
Delta R.T. -0.14 min

Lab File: VX008201.D

Acq: 19 Mar 2019 19:44

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	75	Resp:	28313
Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.4	55.0#
77	0.8	25.0	37.4#



#38

Carbon Tetrachloride

Concen: 5.742 ug/l

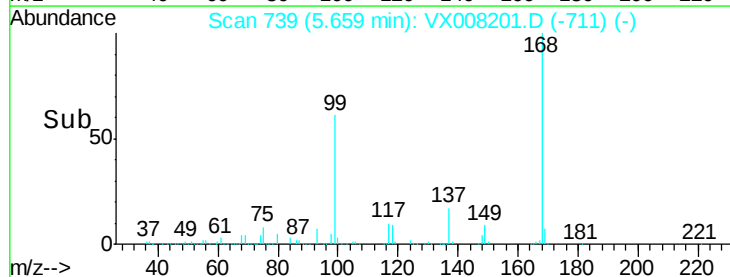
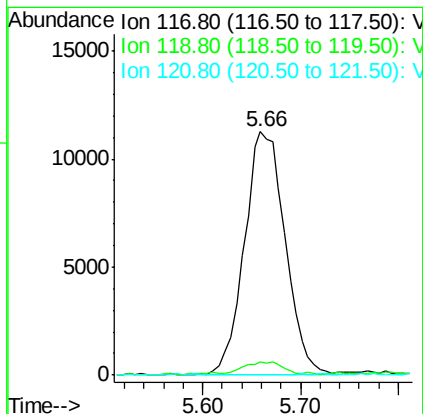
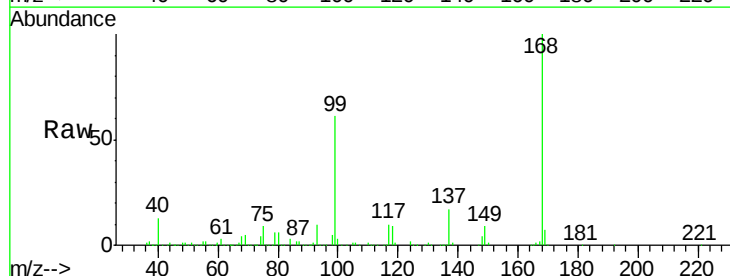
RT: 5.66 min Scan# 739

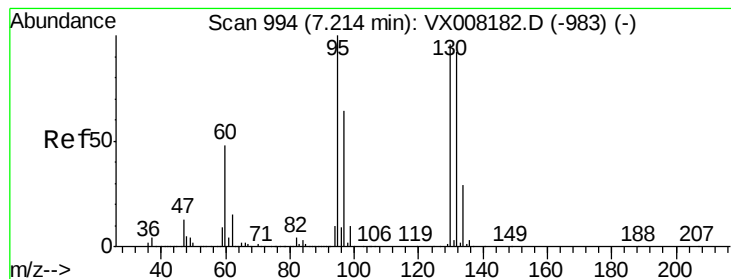
Delta R.T. -0.13 min

Lab File: VX008201.D

Acq: 19 Mar 2019 19:44

Tgt Ion:	117	Resp:	32673
Ion	Ratio	Lower	Upper
117	100		
119	4.5	76.2	114.2#
121	0.0	24.6	36.8#





#44

Trichloroethene

Concen: 27.515 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX008201.D

Acq: 19 Mar 2019 19:44

Instrument :

MSVOA_X

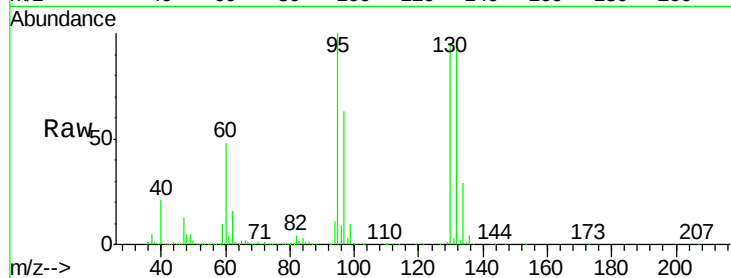
ClientSampleId :

Tot Ion:130 Resp: 127160

Ion Ratio Lower Upper

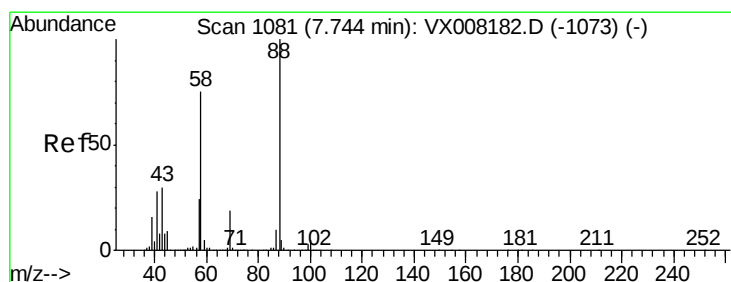
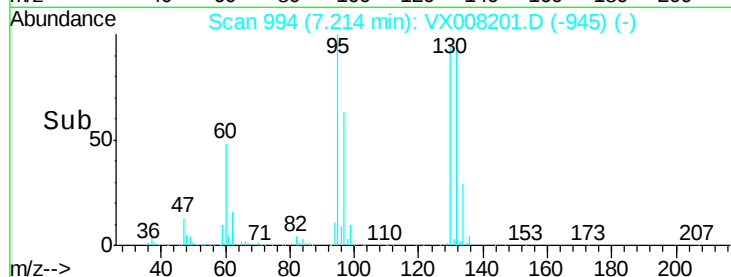
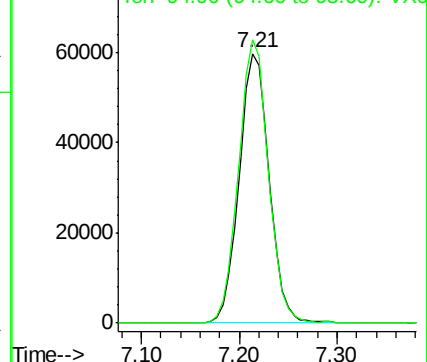
130 100

95 105.1 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 0.405 ug/l

RT: 7.73 min Scan# 1078

Delta R.T. -0.02 min

Lab File: VX008201.D

Acq: 19 Mar 2019 19:44

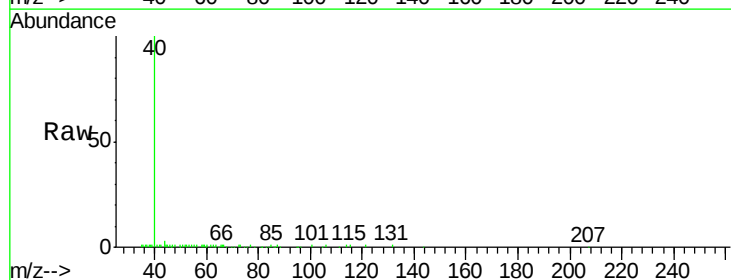
Tgt Ion: 88 Resp: 46

Ion Ratio Lower Upper

88 100

43 708.7 25.1 37.7#

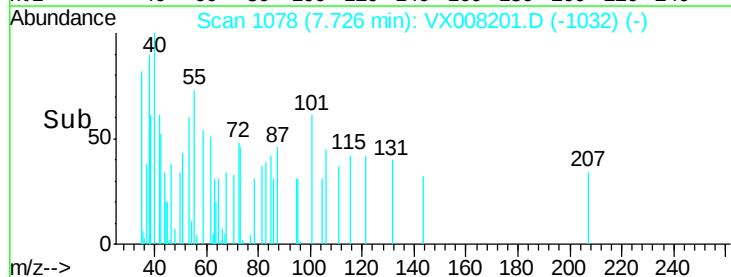
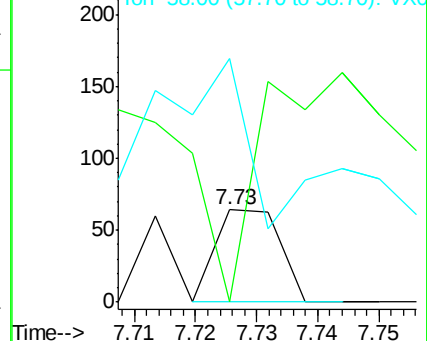
58 143.5 57.8 86.6#

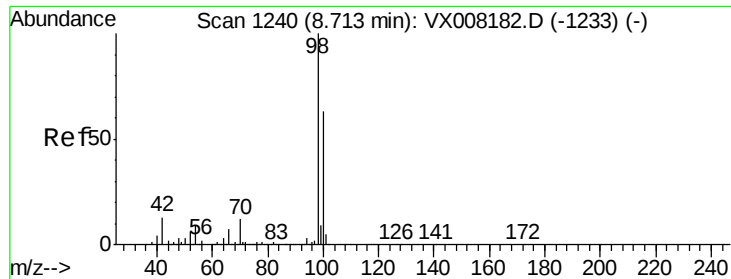


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

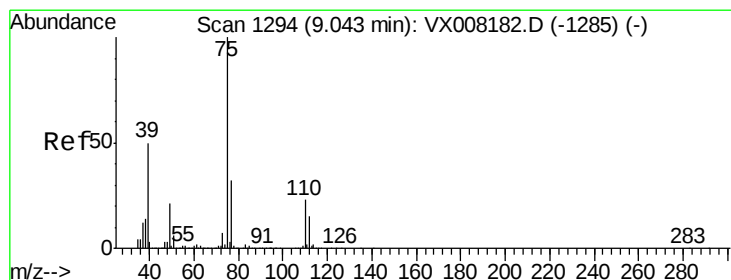
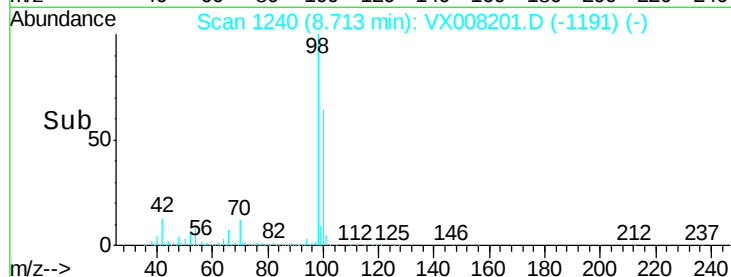
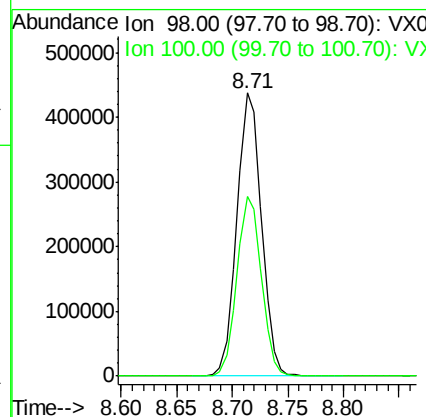
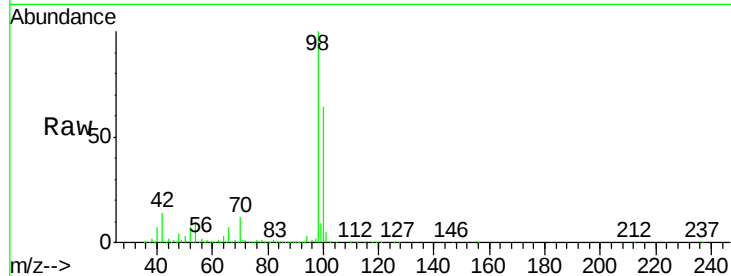




#50
Toluene-d8
Concen: 48.219 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008201.D
Acq: 19 Mar 2019 19:44

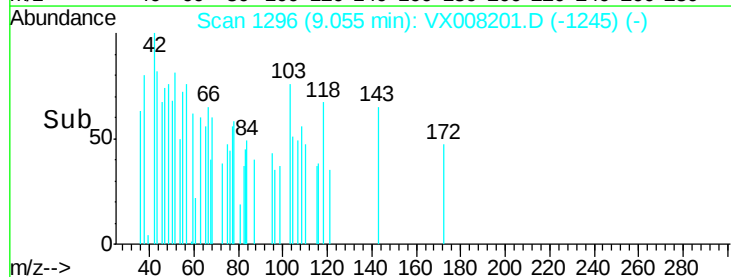
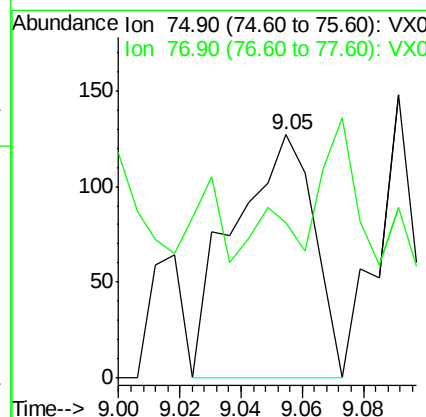
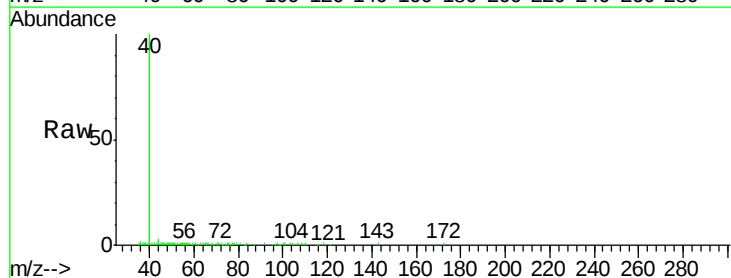
Instrument :
MSVOA_X
ClientSampleId :

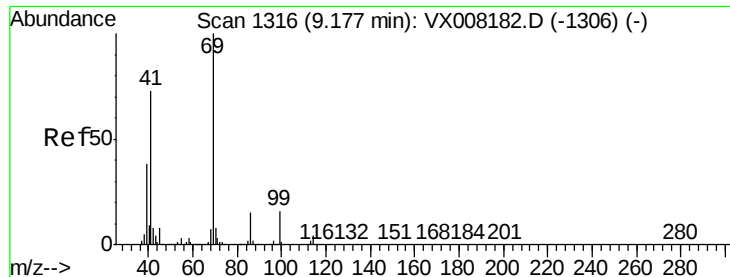
Tot Ion: 98 Resp: 671262
Ion Ratio Lower Upper
98 100
100 63.2 51.7 77.5



#53
t-1,3-Dichloropropene
Concen: 1.452 ug/l
RT: 9.05 min Scan# 1296
Delta R.T. 0.01 min
Lab File: VX008201.D
Acq: 19 Mar 2019 19:44

Tgt Ion: 75 Resp: 232
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#





#56

Ethyl methacrylate

Concen: 0.540 ug/l

RT: 9.19 min Scan# 1318

Delta R.T. 0.01 min

Lab File: VX008201.D

Acq: 19 Mar 2019 19:44

Instrument :
MSVOA_X
ClientSampled :

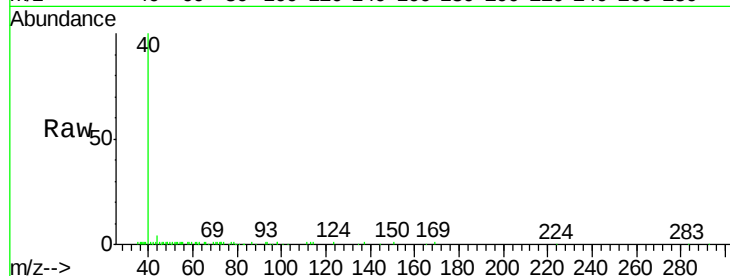
Tot Ion: 69 Resp: 114

Ion Ratio Lower Upper

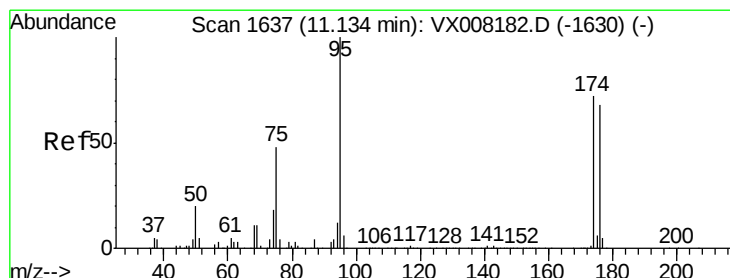
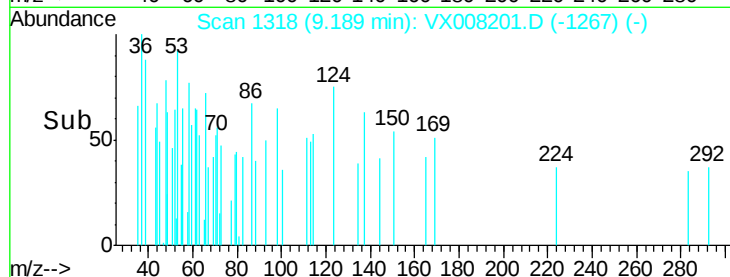
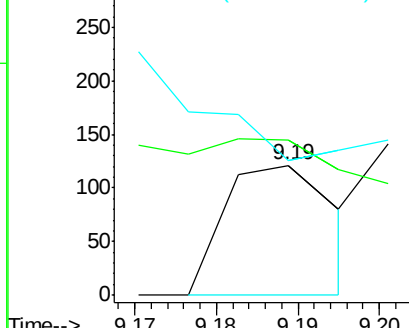
69 100

41 0.0 54.2 81.4#

39 0.0 25.0 37.4#



Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0



#62

4-Bromofluorobenzene

Concen: 44.888 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008201.D

Acq: 19 Mar 2019 19:44

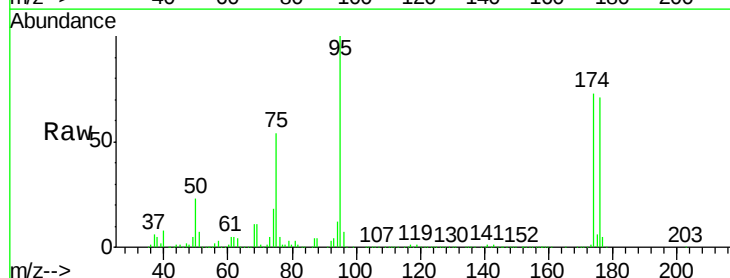
Tgt Ion: 95 Resp: 215162

Ion Ratio Lower Upper

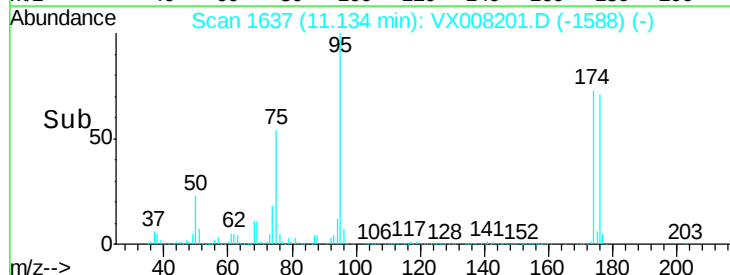
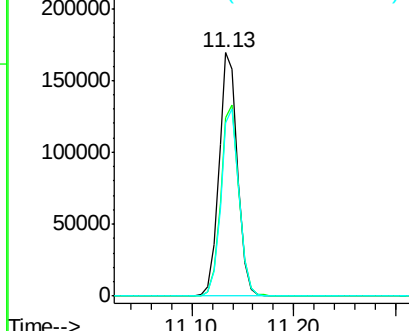
95 100

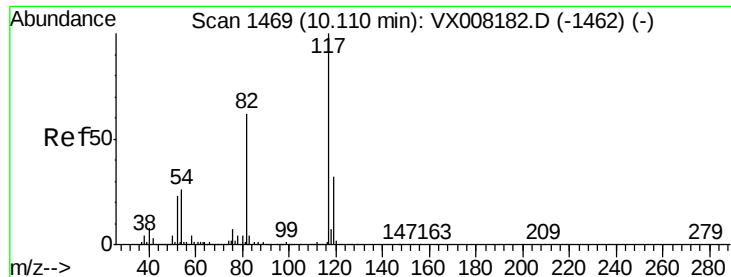
174 77.2 0.0 182.8

176 75.2 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

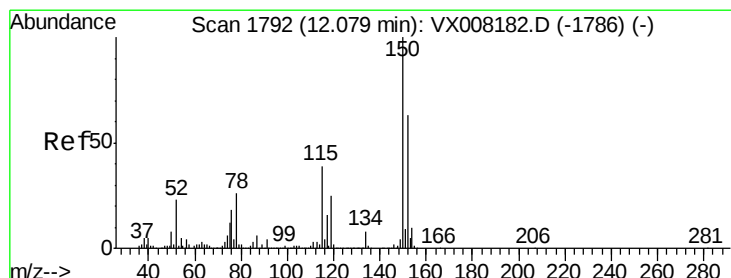
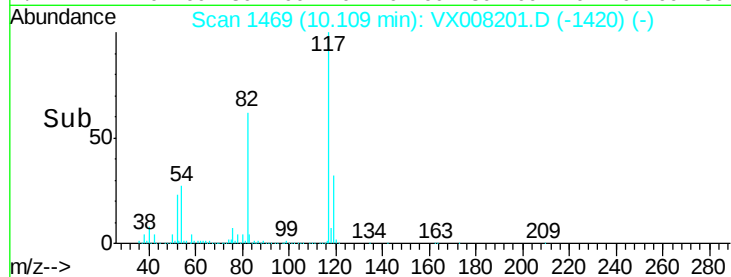
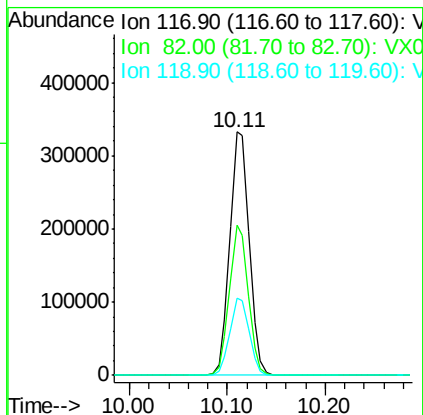
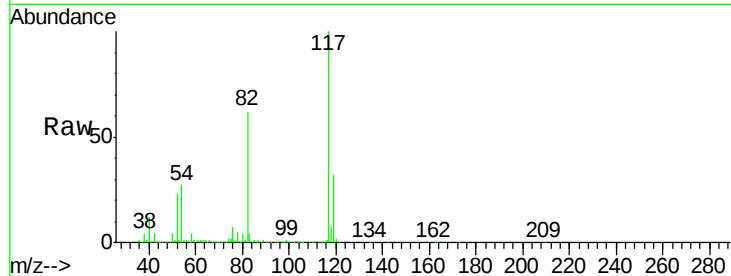




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008201.D
Acq: 19 Mar 2019 19:44

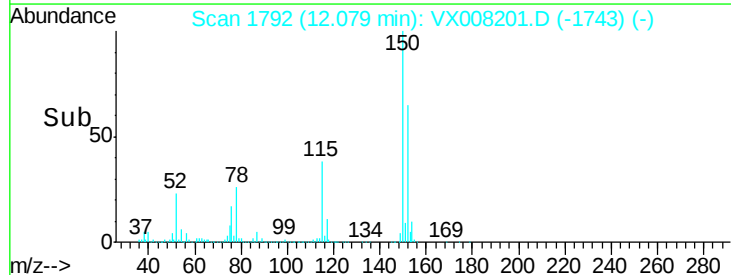
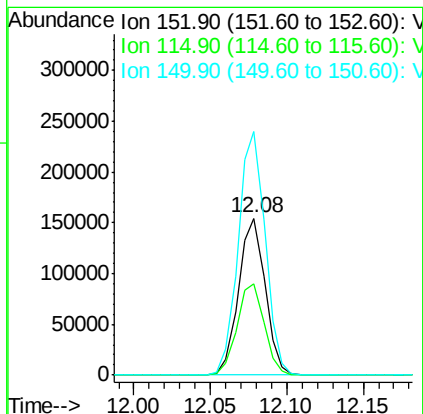
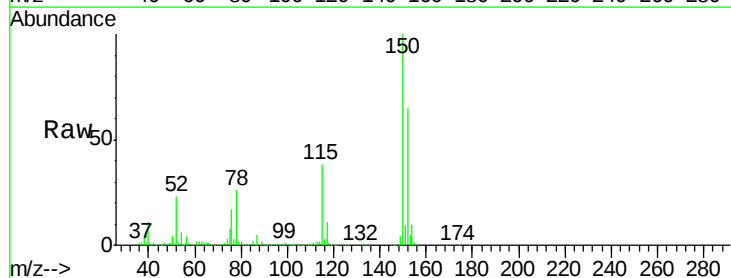
Instrument :
MSVOA_X
ClientSampleId :

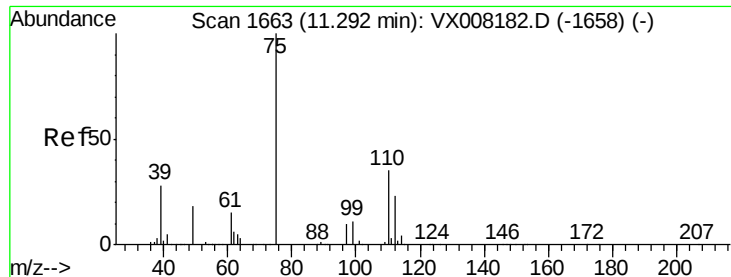
Tot Ion:117 Resp: 459830
Ion Ratio Lower Upper
117 100
82 61.5 44.3 66.5
119 31.6 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008201.D
Acq: 19 Mar 2019 19:44

Tgt Ion:152 Resp: 186677
Ion Ratio Lower Upper
152 100
115 59.7 38.6 115.7
150 157.2 0.0 348.4





#76

1,2,3-Trichloropropane

Concen: 21.240 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008201.D

Acq: 19 Mar 2019 19:44

Instrument :

MSVOA_X

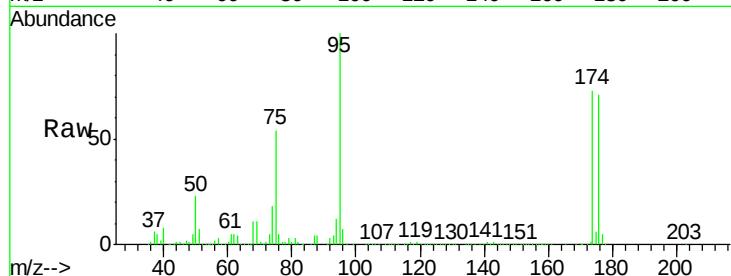
ClientSampled :

Tot Ion: 75 Resp: 111522

Ion Ratio Lower Upper

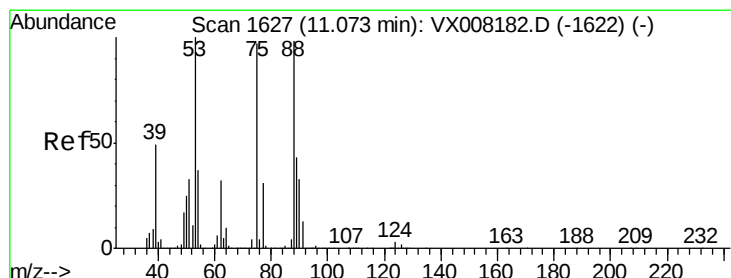
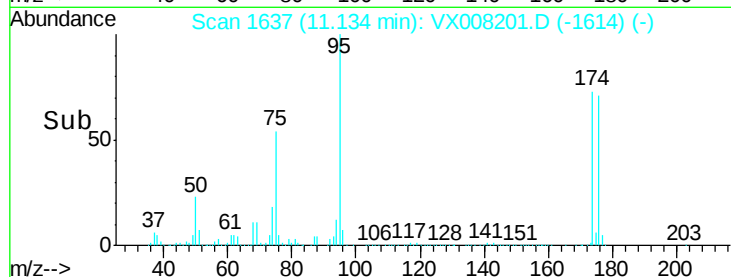
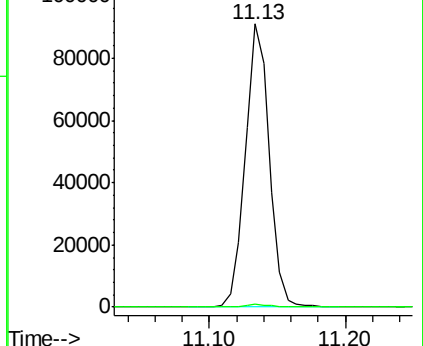
75 100

77 1.4 18.9 56.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 54.028 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008201.D

Acq: 19 Mar 2019 19:44

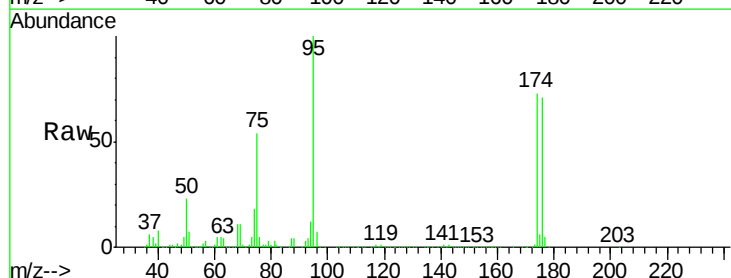
Tgt Ion: 75 Resp: 111522

Ion Ratio Lower Upper

75 100

53 0.1 76.1 114.1#

89 0.0 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

