

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032019\
 Data File : VX008245.D
 Acq On : 20 Mar 2019 16:29
 Operator : JC/SP
 Sample : K1963-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-AOC22-MW04-20190314

Quant Time: Mar 22 05:32:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 13:15:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	326241	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	539177	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	450681	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	183058	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	229769	46.76	ug/l	0.00
Spiked Amount			Recovery	=	93.52%	
35) Dibromofluoromethane	5.50	113	170576	47.26	ug/l	0.00
Spiked Amount			Recovery	=	94.52%	
50) Toluene-d8	8.71	98	660724	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	
62) 4-Bromofluorobenzene	11.13	95	210622	44.70	ug/l	0.00
Spiked Amount			Recovery	=	89.40%	

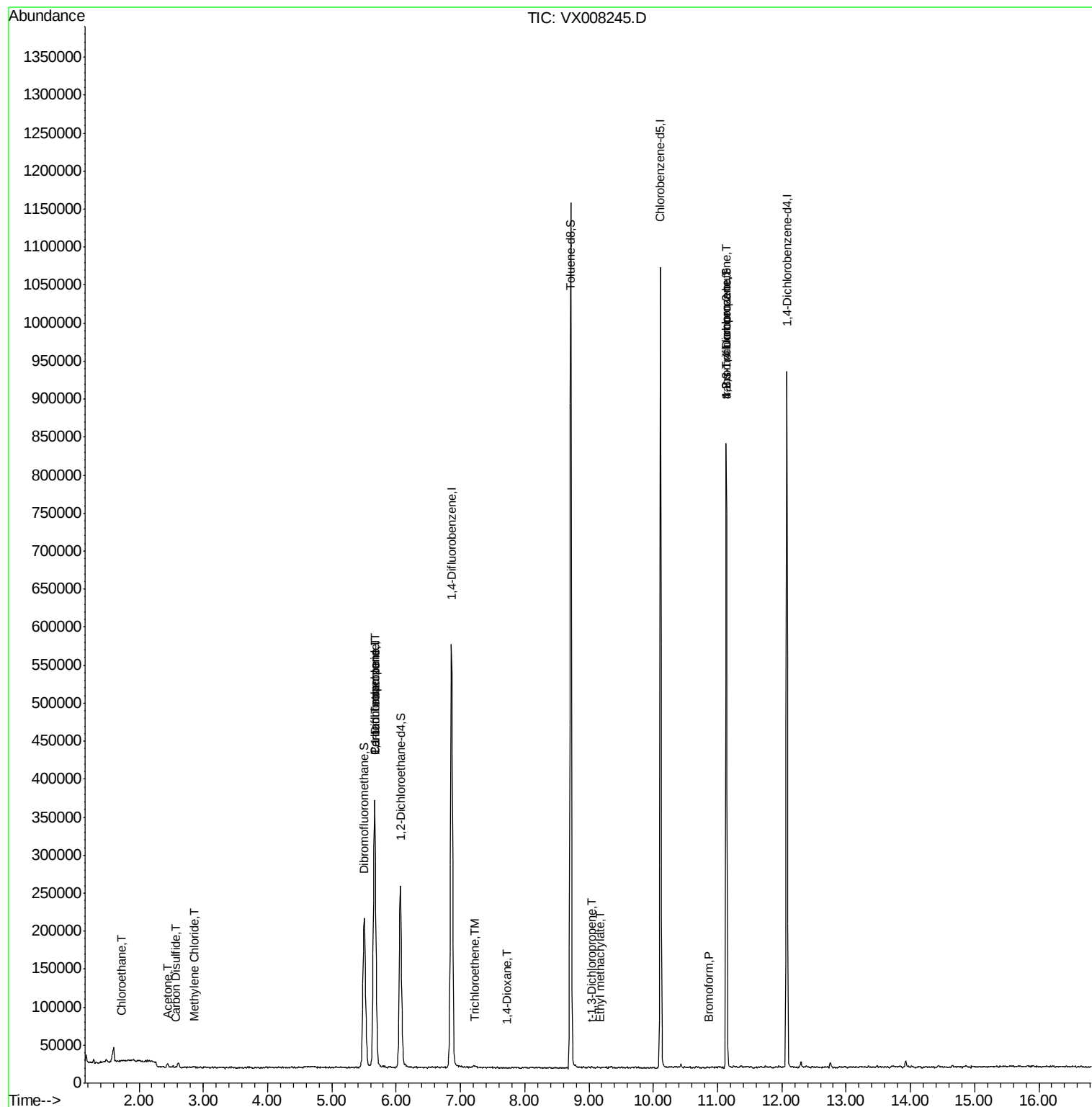
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.73	64	1126	0.363	ug/l #	43
13) Acrolein	2.29	56	131	Below Cal		85
16) Acetone	2.45	43	6235	2.237	ug/l	96
17) Carbon Disulfide	2.57	76	1394	0.782	ug/l #	78
20) Methylene Chloride	2.86	84	1117	0.240	ug/l #	78
36) 1,1-Dichloropropene	5.67	75	26783	4.267	ug/l #	49
38) Carbon Tetrachloride	5.67	117	32550	5.820	ug/l #	15
44) Trichloroethene	7.22	130	1047	0.230	ug/l	82
49) 1,4-Dioxane	7.73	88	84	0.753	ug/l #	58
53) t-1,3-Dichloropropene	9.05	75	177	1.445	ug/l #	43
56) Ethyl methacrylate	9.16	69	78	0.536	ug/l #	1
71) Bromoform	10.87	173	76	2.224	ug/l #	29
76) 1,2,3-Trichloropropane	11.13	75	110143	21.392	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	110143	54.405	ug/l #	12

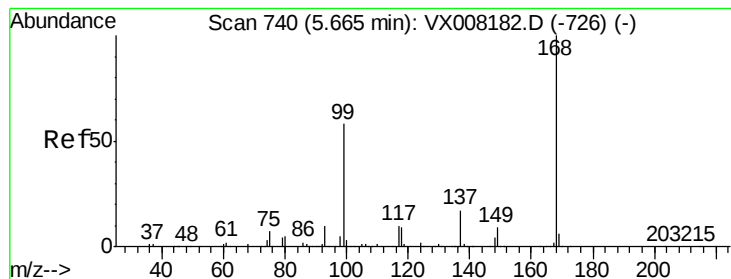
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX008245.D

Acq: 20 Mar 2019 16:29

Instrument :

MSVOA_X

ClientSampleId :

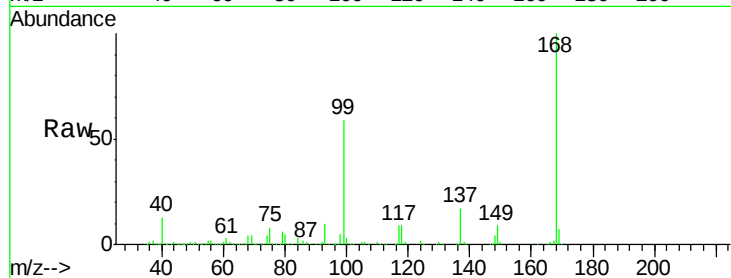
BP-TT-AOC22-MW04-20190314

Tot Ion:168 Resp: 326241

Ion Ratio Lower Upper

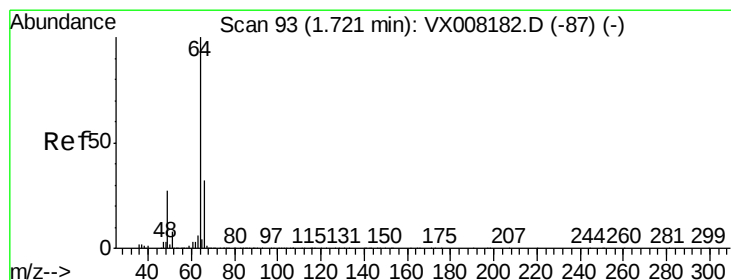
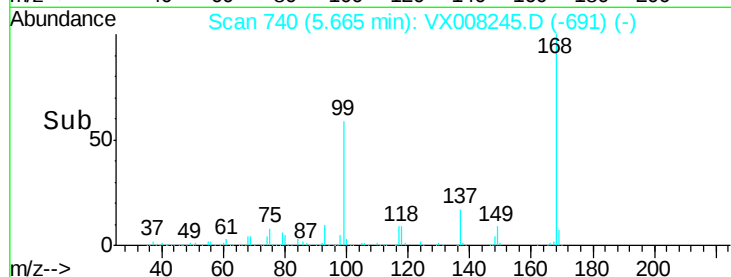
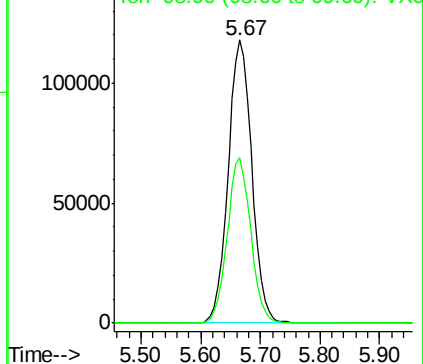
168 100

99 58.4 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: 0.363 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.01 min

Lab File: VX008245.D

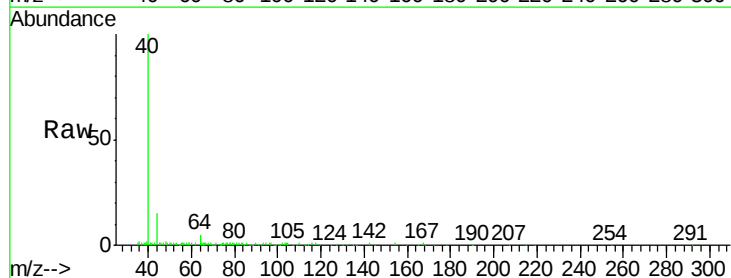
Acq: 20 Mar 2019 16:29

Tgt Ion: 64 Resp: 1126

Ion Ratio Lower Upper

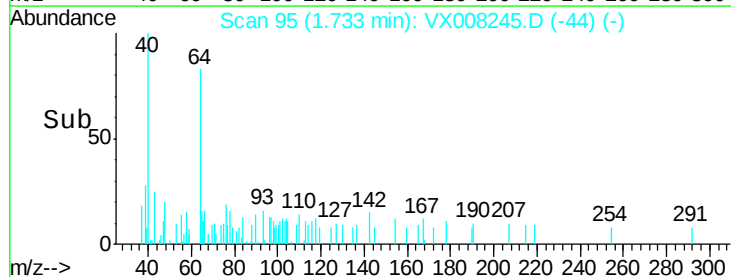
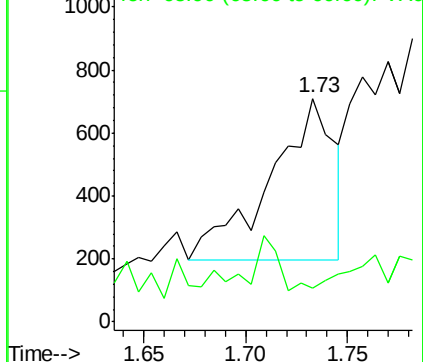
64 100

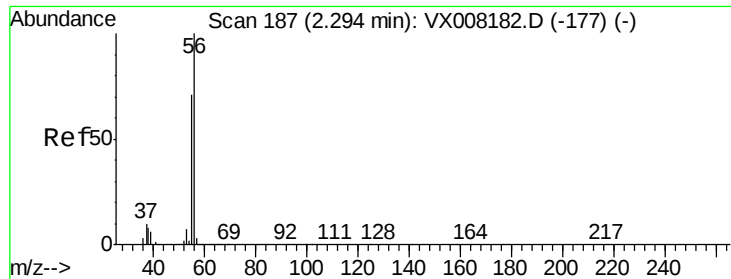
66 0.0 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008245.D

Acq: 20 Mar 2019 16:29

Instrument :

MSVOA_X

ClientSampleId :

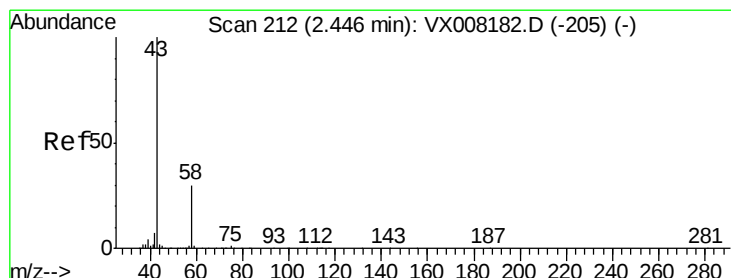
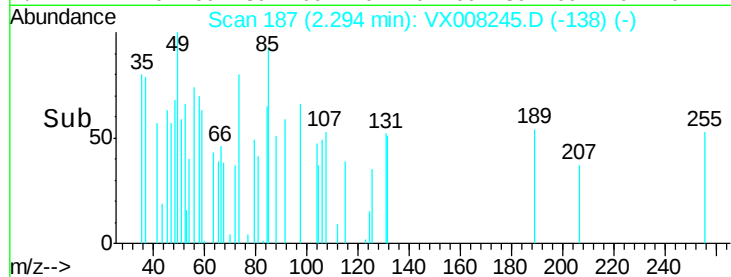
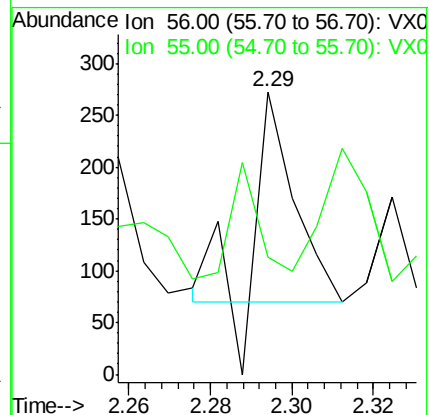
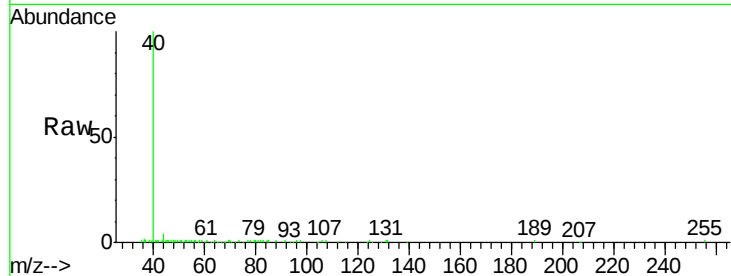
BP-TT-AOC22-MW04-20190314

Tot Ion: 56 Resp: 131

Ion Ratio Lower Upper

56 100

55 84.7 57.8 86.6



#16

Acetone

Concen: 2.237 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX008245.D

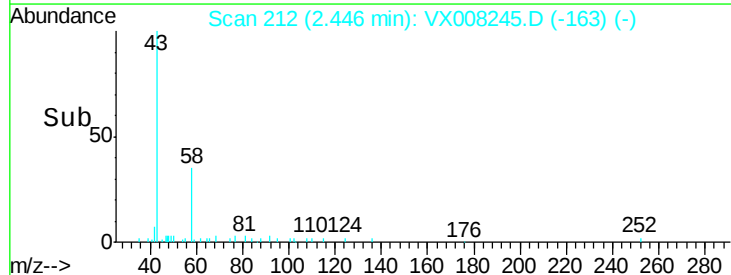
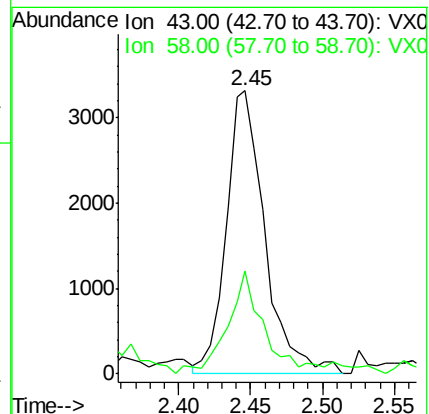
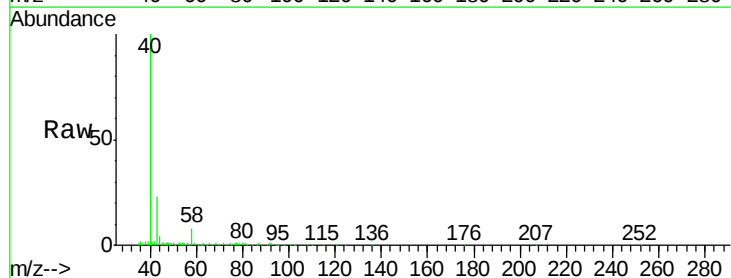
Acq: 20 Mar 2019 16:29

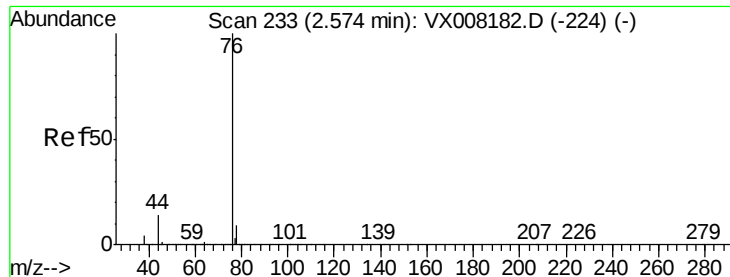
Tgt Ion: 43 Resp: 6235

Ion Ratio Lower Upper

43 100

58 34.1 25.5 38.3





#17

Carbon Disulfide

Concen: 0.782 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX008245.D

Acq: 20 Mar 2019 16:29

Instrument :

MSVOA_X

ClientSampleId :

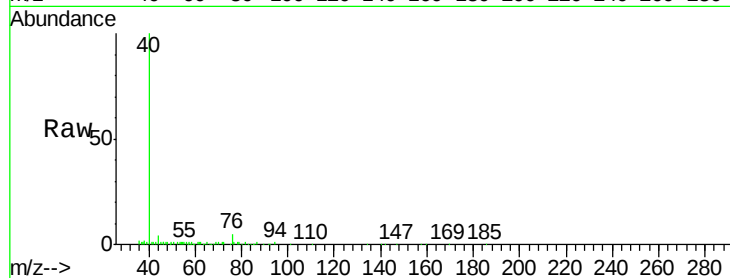
BP-TT-AOC22-MW04-20190314

Tot Ion: 76 Resp: 1394

Ion Ratio Lower Upper

76 100

78 17.1 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

800

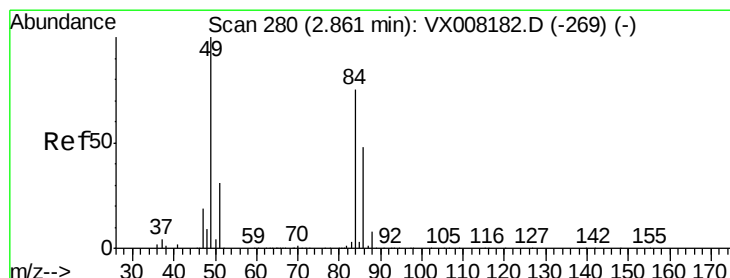
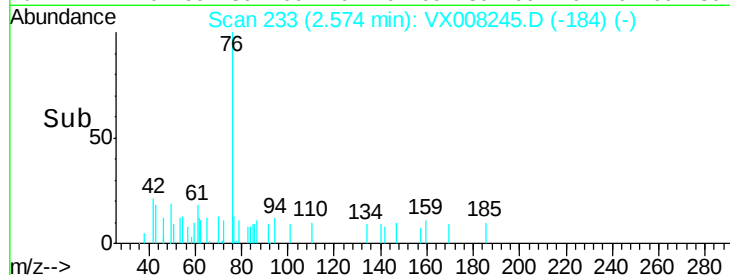
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: 0.240 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX008245.D

Acq: 20 Mar 2019 16:29

Tgt Ion: 84 Resp: 1117

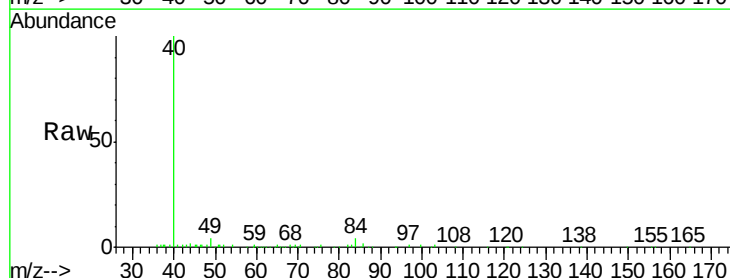
Ion Ratio Lower Upper

84 100

49 92.8 99.3 148.9#

51 36.6 31.3 46.9

86 48.6 52.6 79.0#



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

800

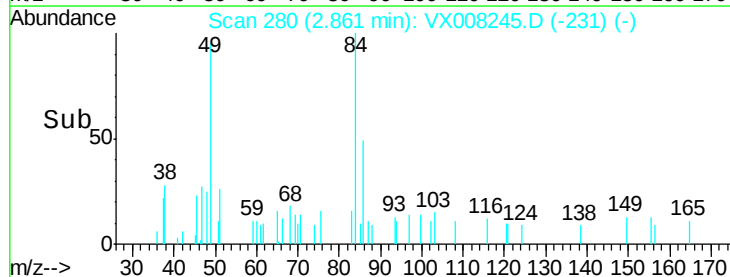
600

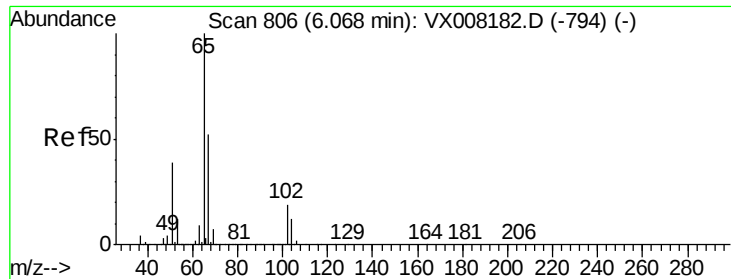
400

200

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 46.763 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX008245.D

Acq: 20 Mar 2019 16:29

Instrument :

MSVOA_X

ClientSampleId :

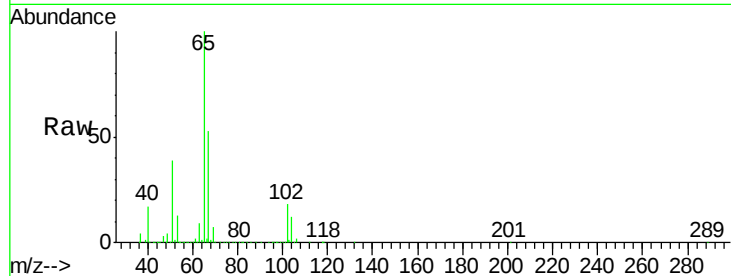
BP-TT-AOC22-MW04-20190314

Tot Ion: 65 Resp: 229769

Ion Ratio Lower Upper

65 100

67 52.6 0.0 110.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

80000

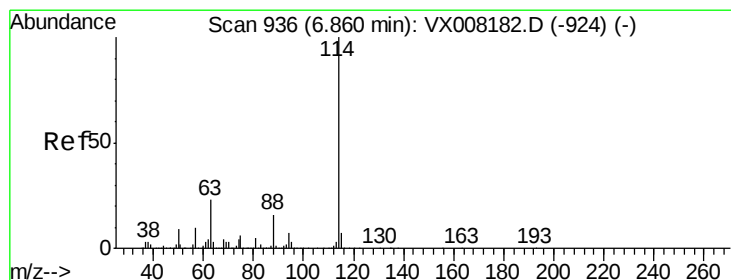
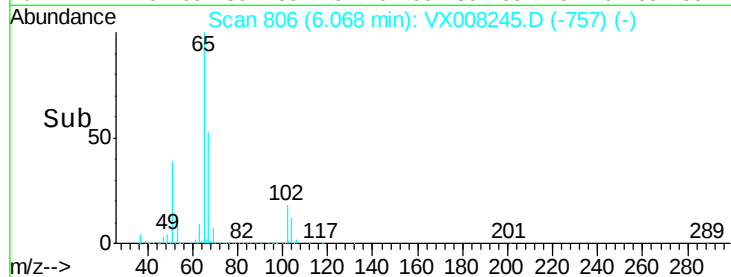
60000

40000

20000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008245.D

Acq: 20 Mar 2019 16:29

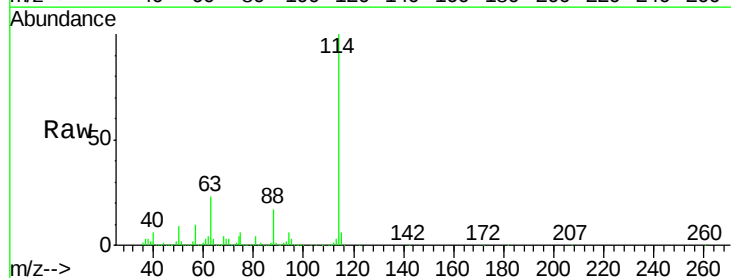
Tgt Ion: 114 Resp: 539177

Ion Ratio Lower Upper

114 100

63 22.7 0.0 39.8

88 17.0 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

6.86

300000

250000

200000

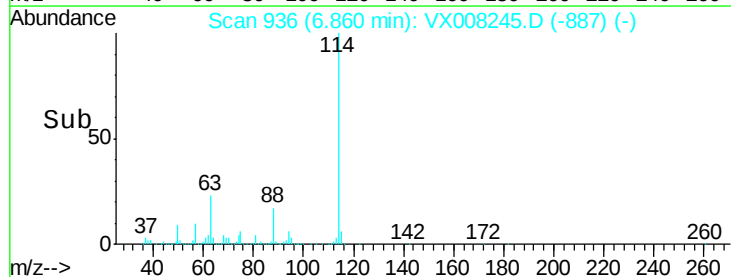
150000

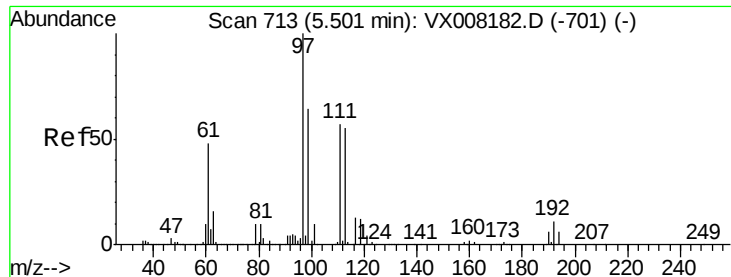
100000

50000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 47.258 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008245.D

Acq: 20 Mar 2019 16:29

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-AOC22-MW04-20190314

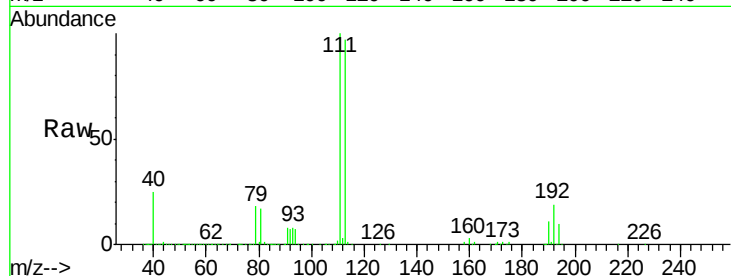
Tot Ion:113 Resp: 170576

Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.0

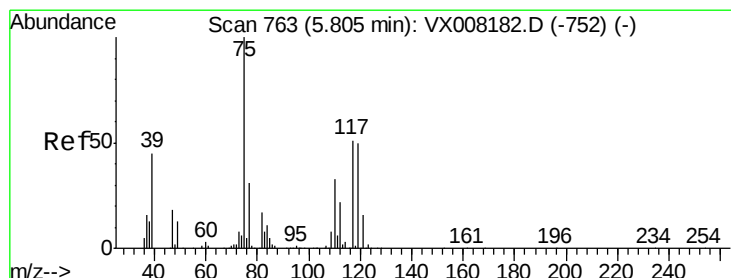
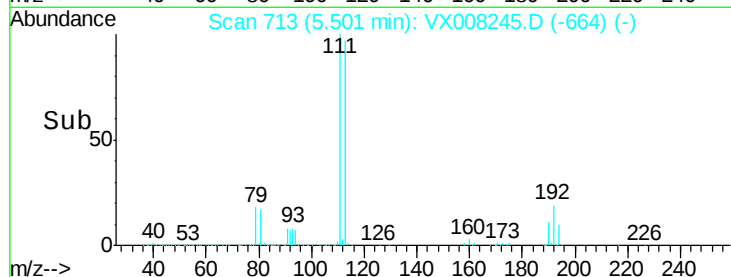
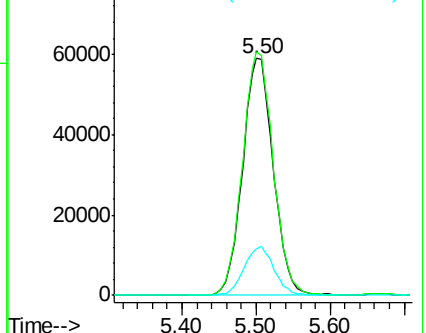
192 20.3 19.4 29.0



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: 4.267 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.14 min

Lab File: VX008245.D

Acq: 20 Mar 2019 16:29

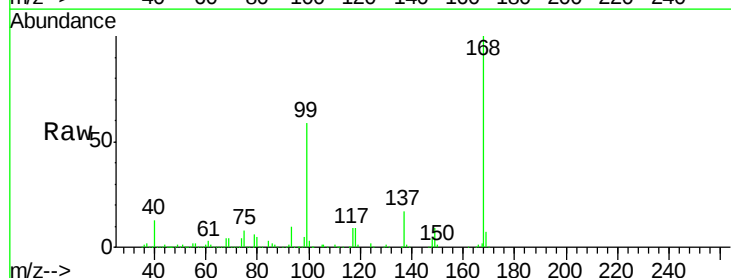
Tgt Ion: 75 Resp: 26783

Ion Ratio Lower Upper

75 100

110 8.9 18.4 55.0#

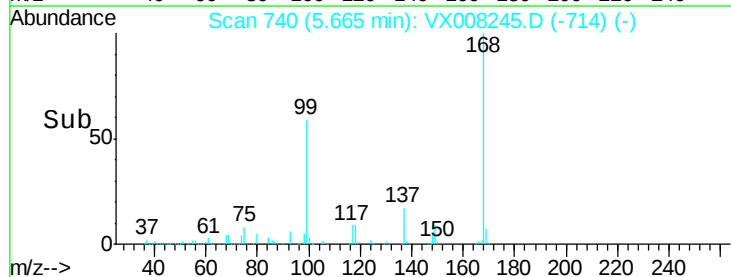
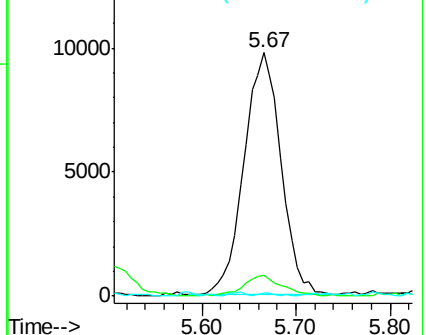
77 0.6 25.0 37.4#

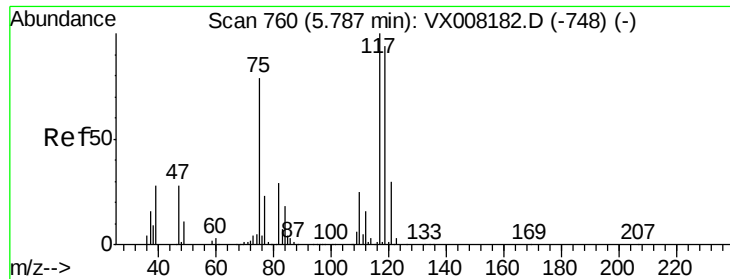


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.820 ug/l

RT: 5.67 min Scan# 741

Delta R.T. -0.12 min

Lab File: VX008245.D

Acq: 20 Mar 2019 16:29

Instrument :

MSVOA_X

ClientSampleId :

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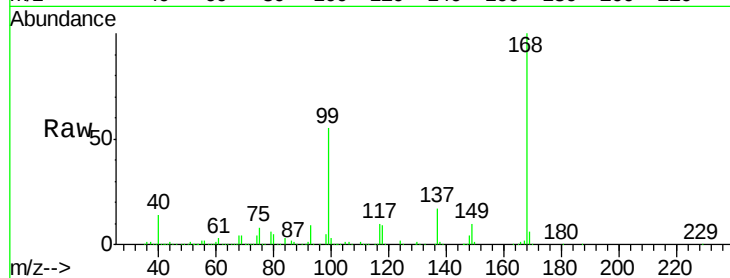
Tot Ion:117 Resp: 32550

Ion Ratio Lower Upper

117 100

119 3.6 76.2 114.2#

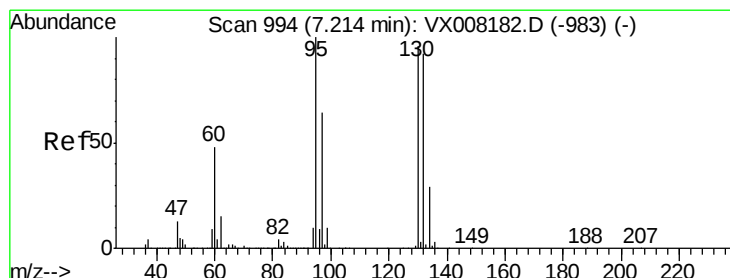
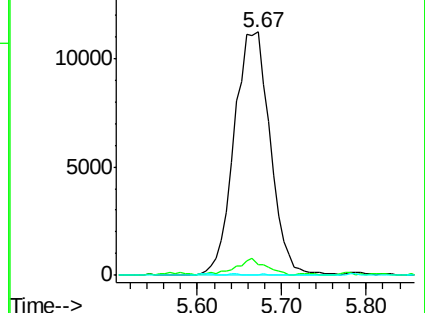
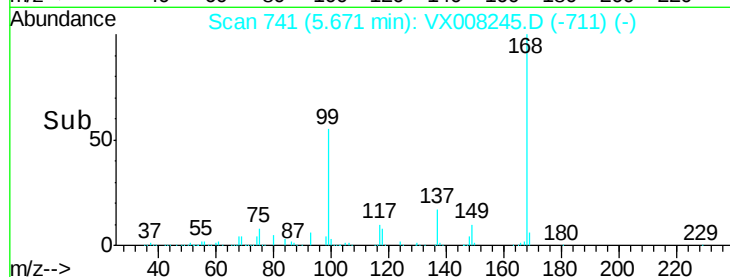
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 0.230 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX008245.D

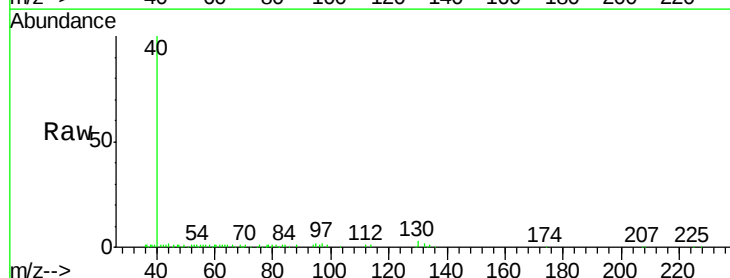
Acq: 20 Mar 2019 16:29

Tgt Ion:130 Resp: 1047

Ion Ratio Lower Upper

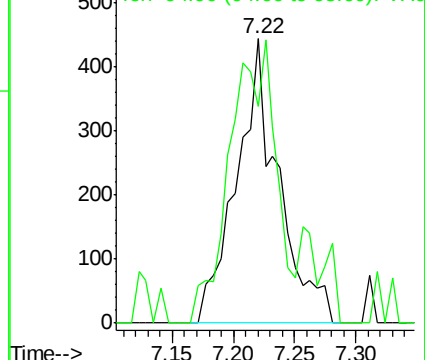
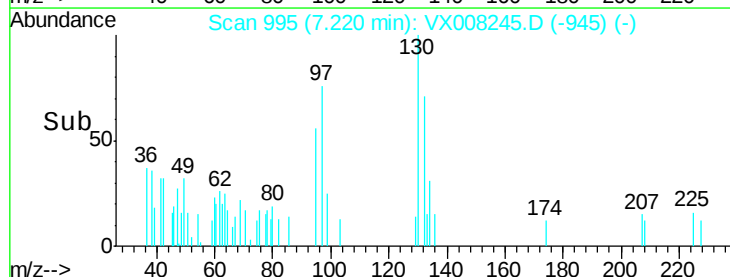
130 100

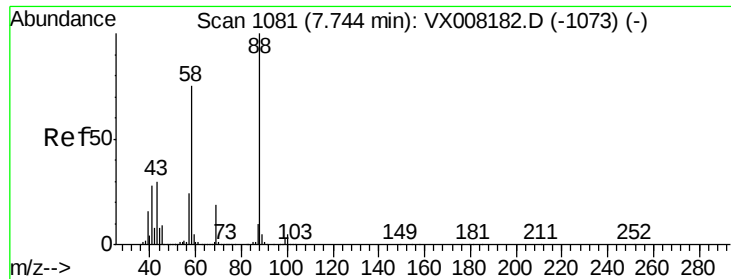
95 76.3 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 0.753 ug/l

RT: 7.73 min Scan# 1078

Delta R.T. -0.02 min

Lab File: VX008245.D

Acq: 20 Mar 2019 16:29

Instrument :

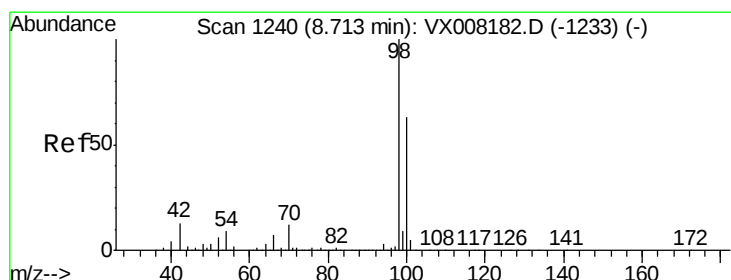
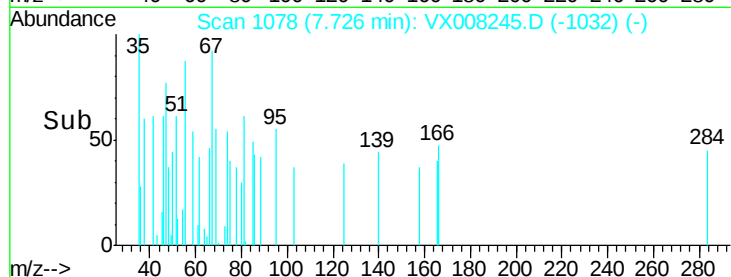
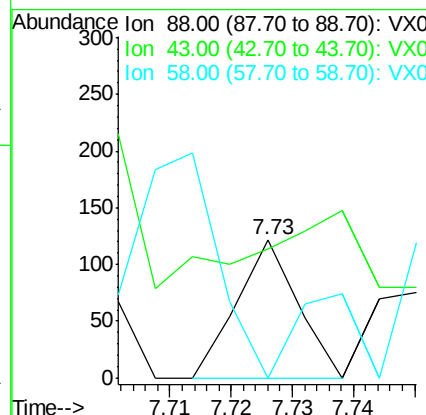
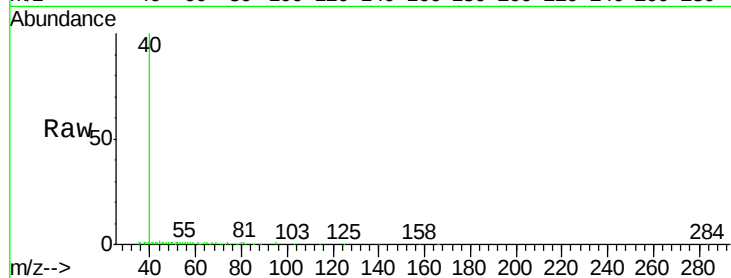
MSVOA_X

ClientSampleId :

BP-TT-AOC22-MW04-20190314

Tot Ion: 88 Resp: 84

Ion	Ratio	Lower	Upper
88	100		
43	90.5	25.1	37.7#
58	60.7	57.8	86.6



#50

Toluene-d8

Concen: 48.282 ug/l

RT: 8.71 min Scan# 1240

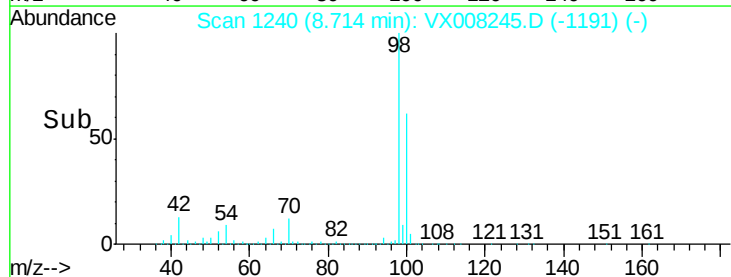
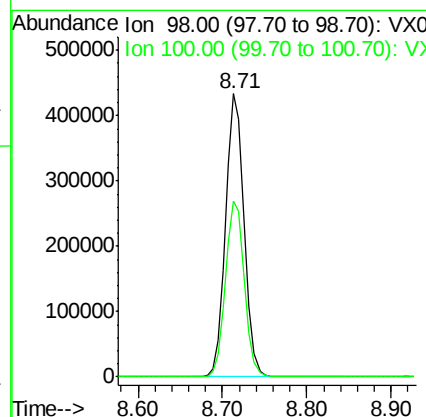
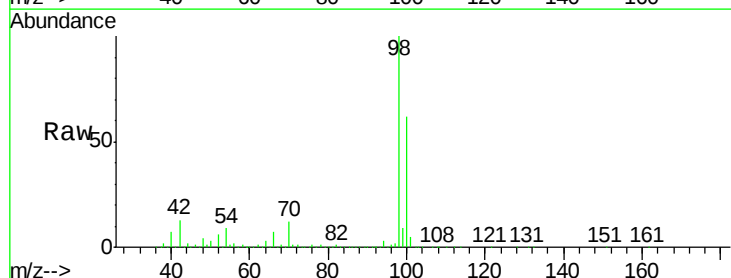
Delta R.T. 0.00 min

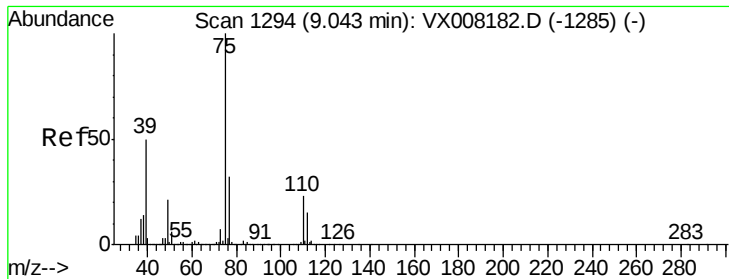
Lab File: VX008245.D

Acq: 20 Mar 2019 16:29

Tgt Ion: 98 Resp: 660724

Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.7	77.5





#53

t-1,3-Dichloropropene

Concen: 1.445 ug/l

RT: 9.05 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX008245.D

Acq: 20 Mar 2019 16:29

Instrument :

MSVOA_X

ClientSampleId :

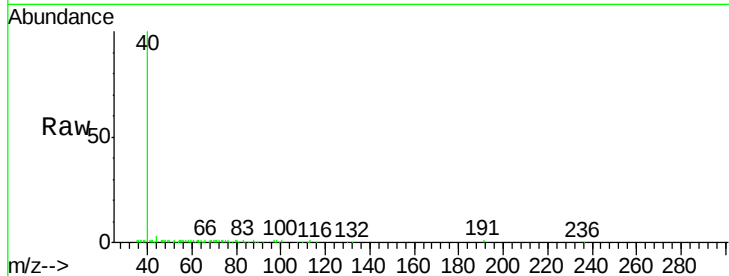
BP-TT-AOC22-MW04-20190314

Tot Ion: 75 Resp: 177

Ion Ratio Lower Upper

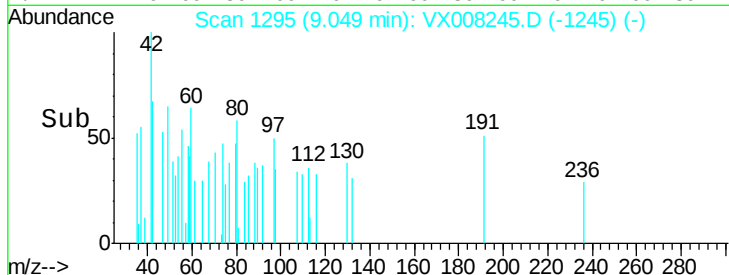
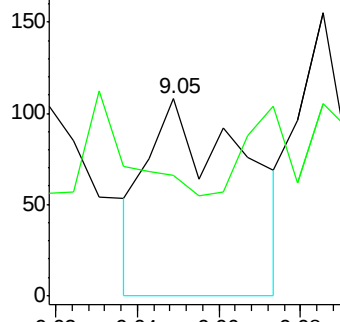
75 100

77 0.0 25.4 38.0#

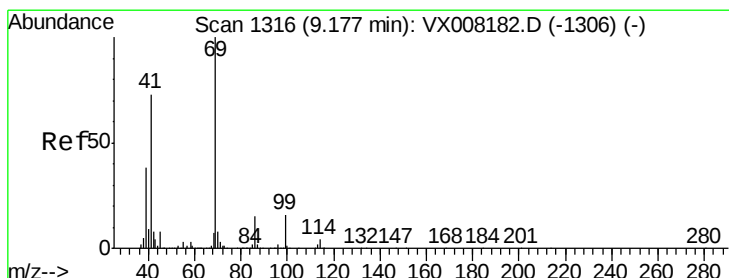


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



Time-->



#56

Ethyl methacrylate

Concen: 0.536 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VX008245.D

Acq: 20 Mar 2019 16:29

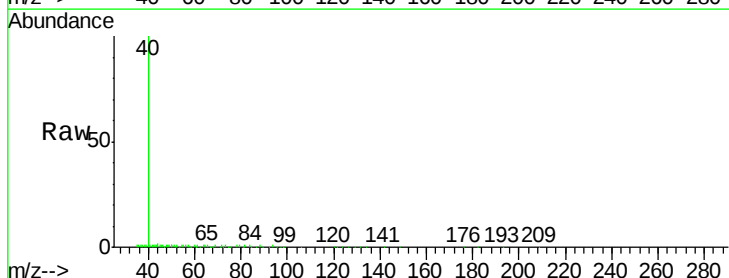
Tgt Ion: 69 Resp: 78

Ion Ratio Lower Upper

69 100

41 225.6 54.2 81.4#

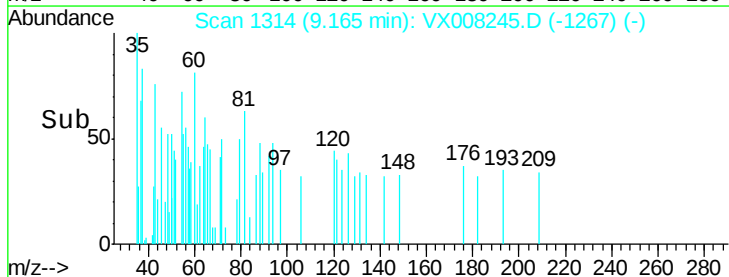
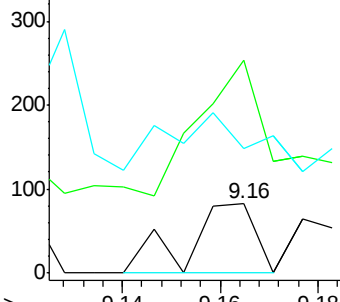
39 192.3 25.0 37.4#



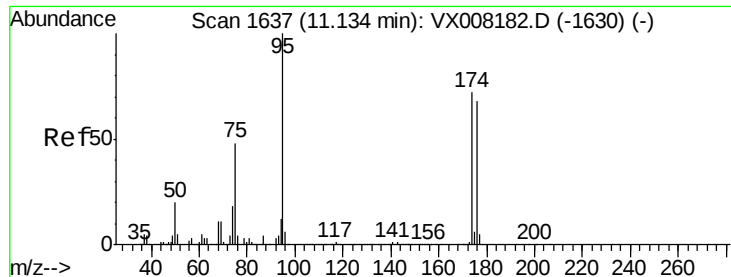
Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



Time-->



#62

4-Bromofluorobenzene

Concen: 44.700 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008245.D

Acq: 20 Mar 2019 16:29

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-AOC22-MW04-20190314

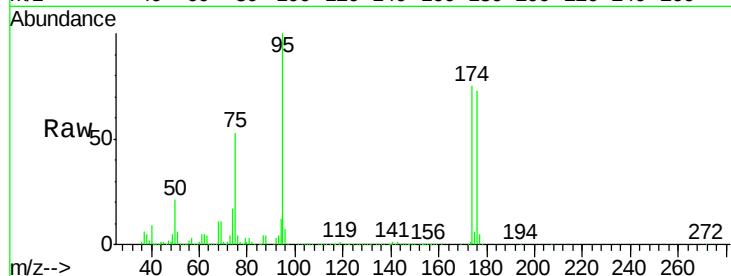
Tot Ion: 95 Resp: 210622

Ion Ratio Lower Upper

95 100

174 78.1 0.0 182.8

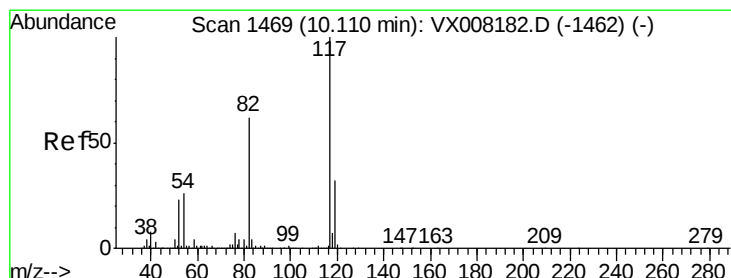
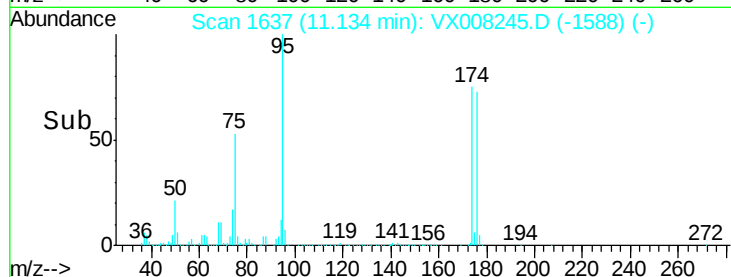
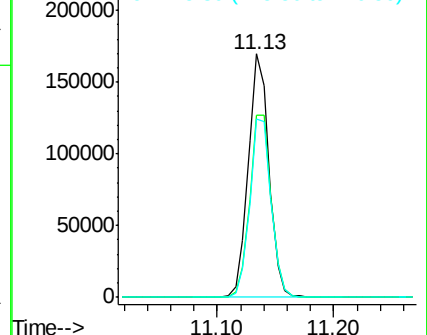
176 75.8 0.0 178.0



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: VX008245.D

Acq: 20 Mar 2019 16:29

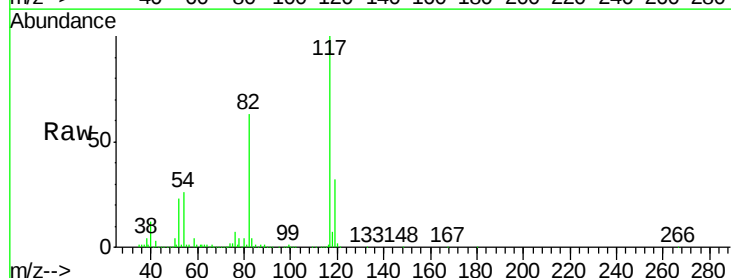
Tgt Ion: 117 Resp: 450681

Ion Ratio Lower Upper

117 100

82 62.5 44.3 66.5

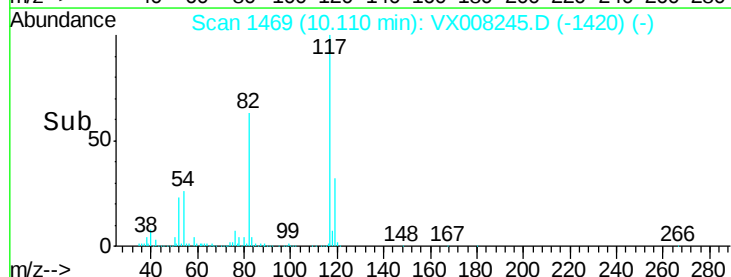
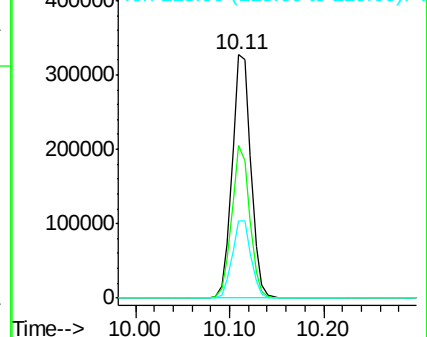
119 31.8 25.3 37.9

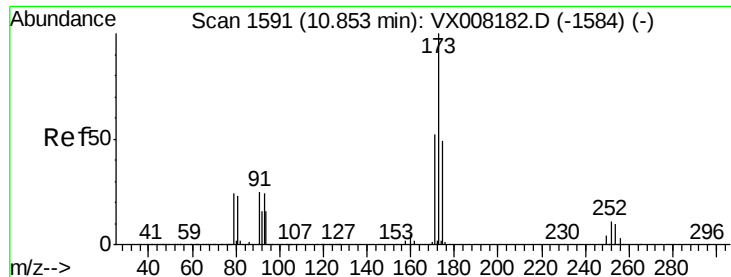


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#71

Bromoform

Concen: 2.224 ug/l

RT: 10.87 min Scan# 1593

Delta R.T. 0.01 min

Lab File: VX008245.D

Acq: 20 Mar 2019 16:29

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-AOC22-MW04-20190314

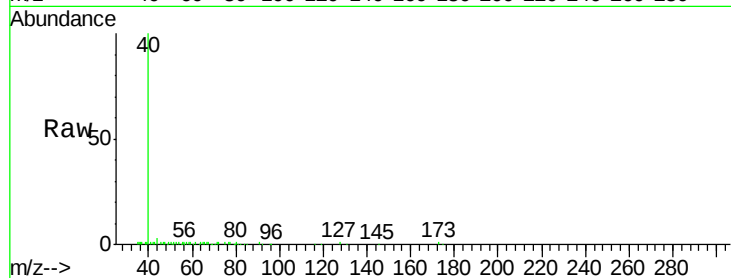
Tot Ion:173 Resp: 76

Ion Ratio Lower Upper

173 100

175 0.0 24.3 72.9#

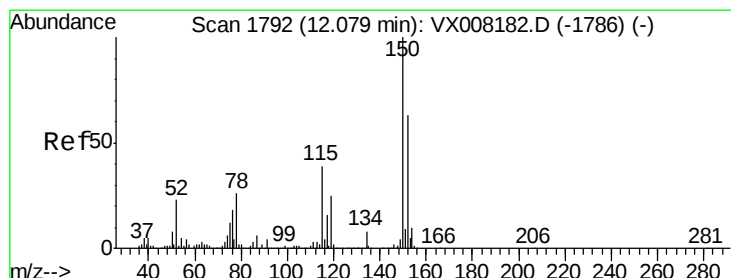
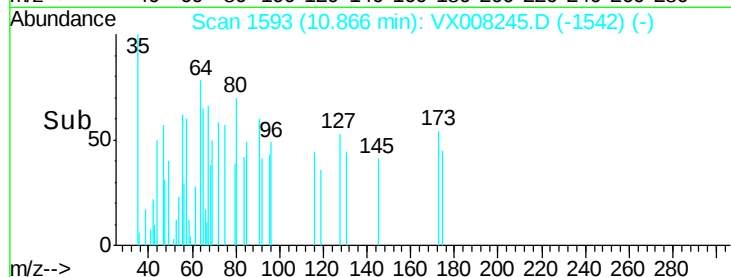
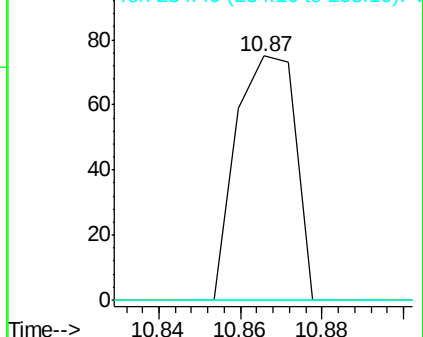
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VX008245.D

Acq: 20 Mar 2019 16:29

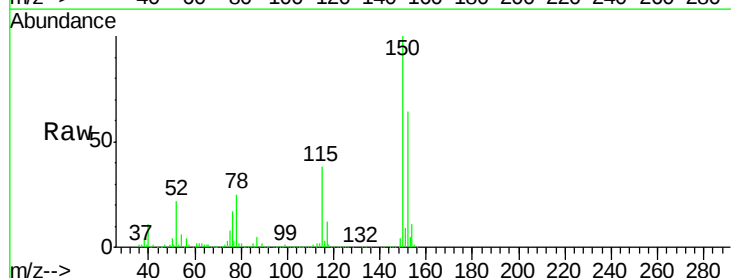
Tgt Ion:152 Resp: 183058

Ion Ratio Lower Upper

152 100

115 60.5 38.6 115.7

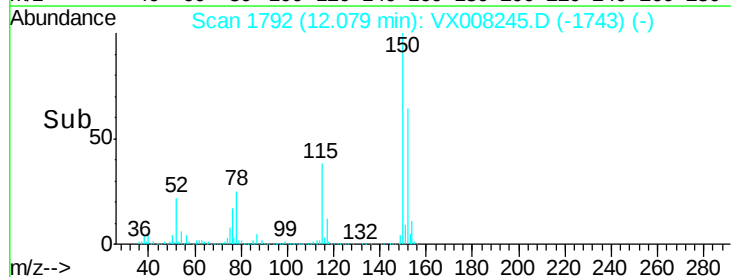
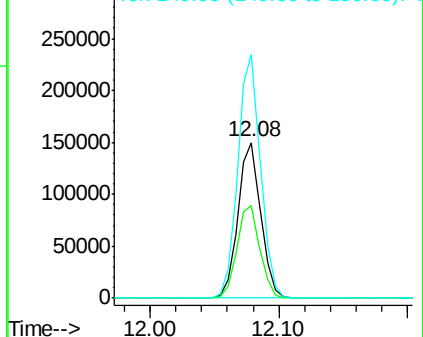
150 156.9 0.0 348.4

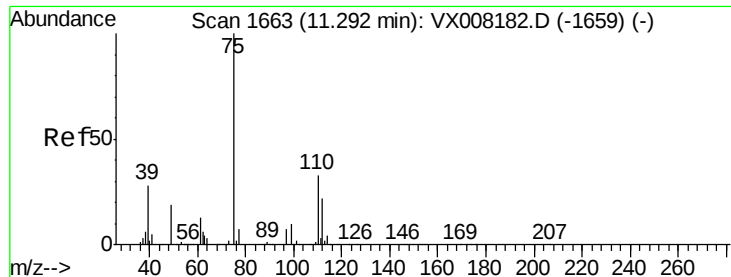


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.392 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008245.D

Acq: 20 Mar 2019 16:29

Instrument :

MSVOA_X

ClientSampleId :

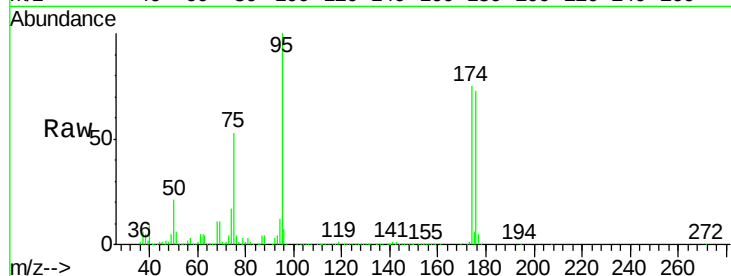
BP-TT-AOC22-MW04-20190314

Tot Ion: 75 Resp: 110143

Ion Ratio Lower Upper

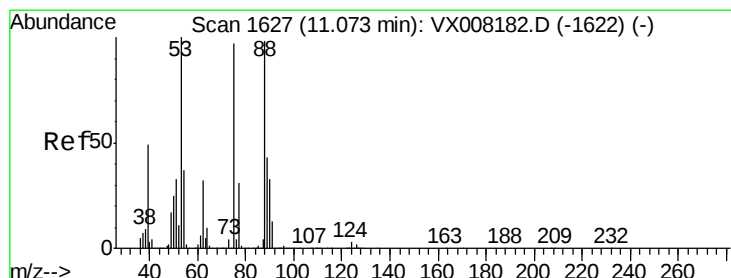
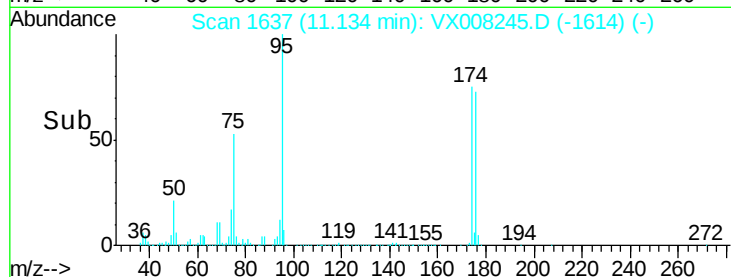
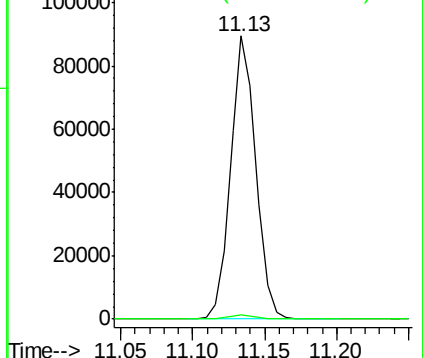
75 100

77 1.6 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: 54.405 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008245.D

Acq: 20 Mar 2019 16:29

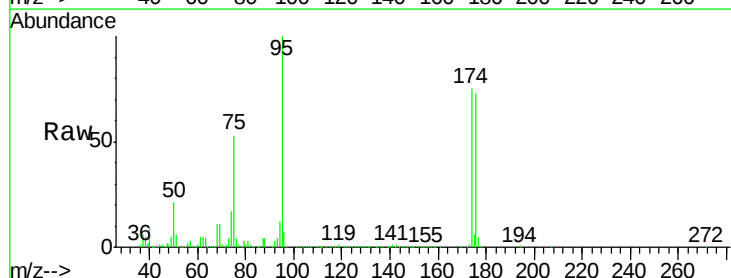
Tgt Ion: 75 Resp: 110143

Ion Ratio Lower Upper

75 100

53 0.1 76.1 114.1#

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

