

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111418\
 Data File : VX006005.D
 Acq On : 15 Nov 2018 05:53
 Operator : JC/MD
 Sample : J5860-23ME 20X
 Misc : 5.18g/5ml/100ul/5.00mL/MSVOA_X/MEOH
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EP2-SB-110(24-28)ME

Quant Time: Nov 15 07:04:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	137995	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	210839	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	181763	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	81160	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	74828	47.17	ug/l	0.00
Spiked Amount			Recovery	=	94.34%	
35) Dibromofluoromethane	5.50	113	66037	46.05	ug/l	0.00
Spiked Amount			Recovery	=	92.10%	
50) Toluene-d8	8.71	98	216095	45.33	ug/l	0.00
Spiked Amount			Recovery	=	90.66%	
62) 4-Bromofluorobenzene	11.14	95	74259	43.32	ug/l	0.00
Spiked Amount			Recovery	=	86.64%	

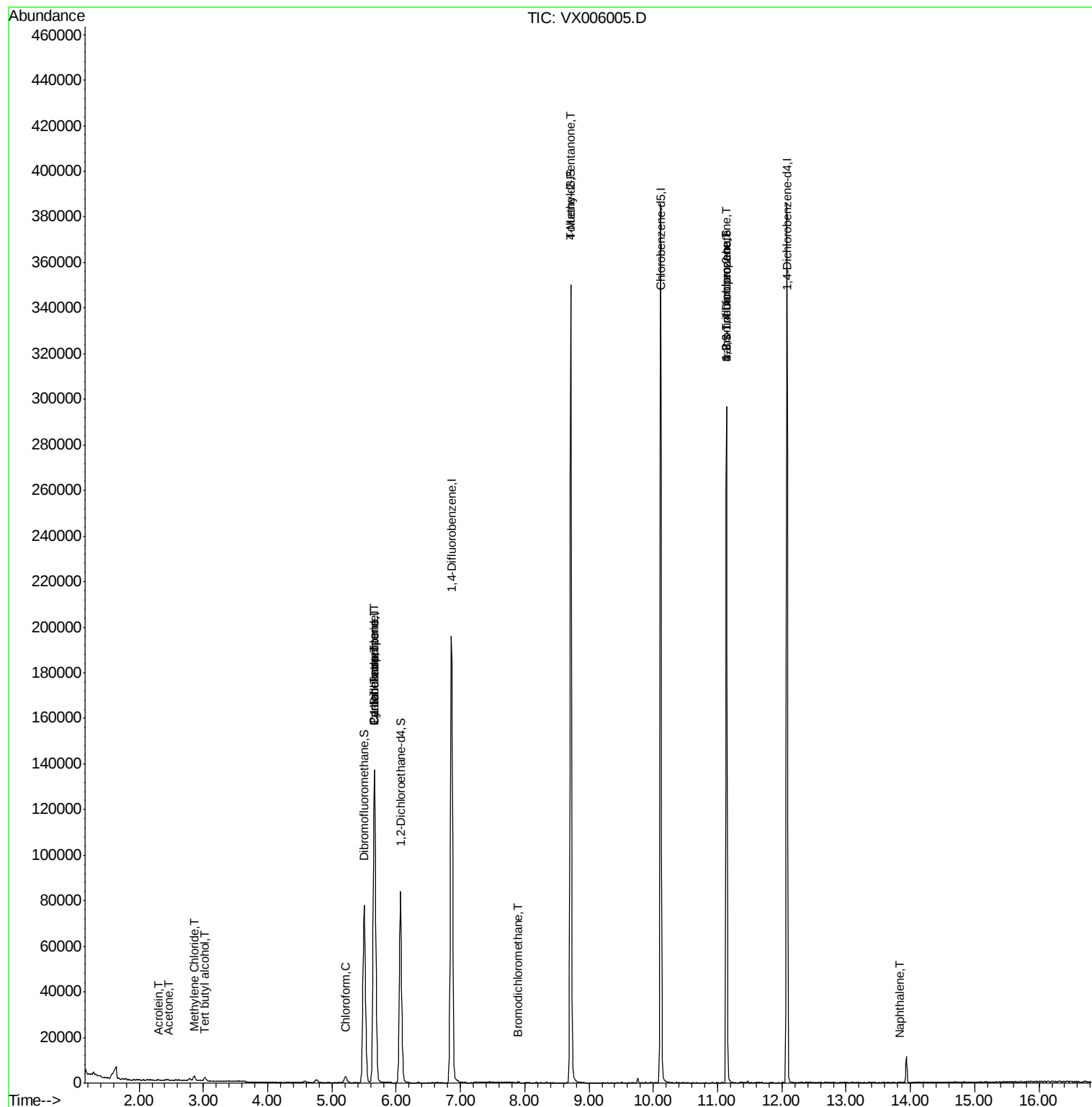
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.03	59	1055	2.321	ug/l #	72
13) Acrolein	2.30	56	41	19.338	ug/l #	14
16) Acetone	2.45	43	467	0.547	ug/l #	86
18) Methyl Acetate	2.78	43	1074	Below Cal	#	86
20) Methylene Chloride	2.86	84	796	0.567	ug/l	87
30) Chloroform	5.21	83	3382	1.377	ug/l	98
31) Cyclohexane	5.67	56	2343	1.060	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	9666	4.756	ug/l #	49
38) Carbon Tetrachloride	5.66	117	12256	6.023	ug/l #	16
47) Bromodichloromethane	7.90	83	385	0.226	ug/l #	80
51) 4-Methyl-2-Pentanone	8.71	43	1052	0.431	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	37183	22.500	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	37183	71.710	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.94	105	43	Below Cal	#	31
95) Naphthalene	13.84	128	113	1.196	ug/l #	69

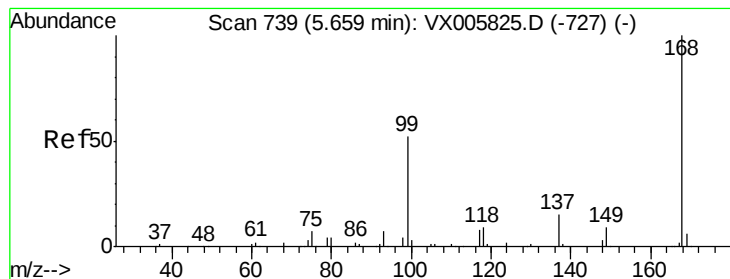
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX111418\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX006005.D

Acq: 15 Nov 2018 05:53

Instrument :

MSVOA_X

ClientSampleId :

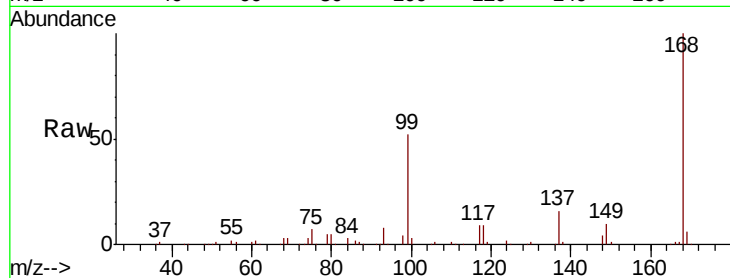
EP2-SB-110(24-28)ME

Tot Ion:168 Resp: 137995

Ion Ratio Lower Upper

168 100

99 51.9 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

50000

40000

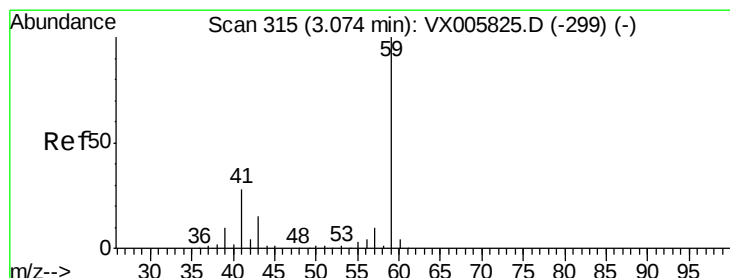
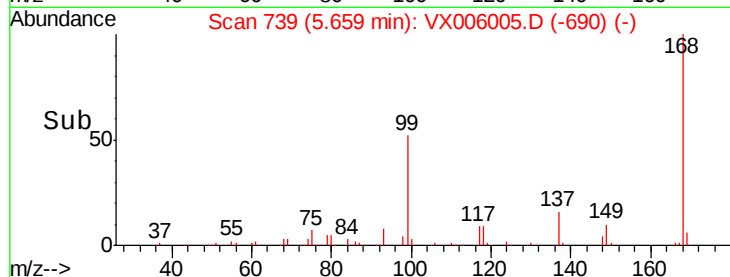
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 2.321 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX006005.D

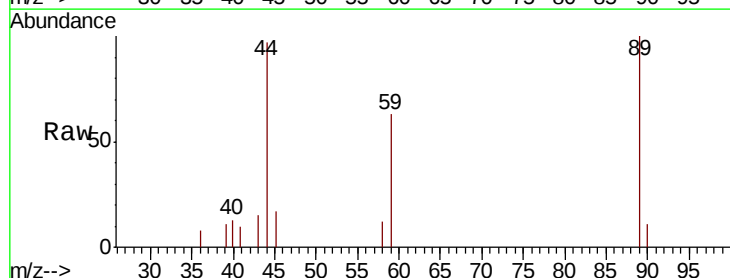
Acq: 15 Nov 2018 05:53

Tgt Ion: 59 Resp: 1055

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.03

400

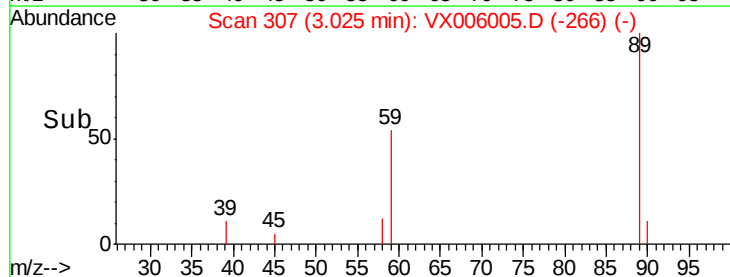
300

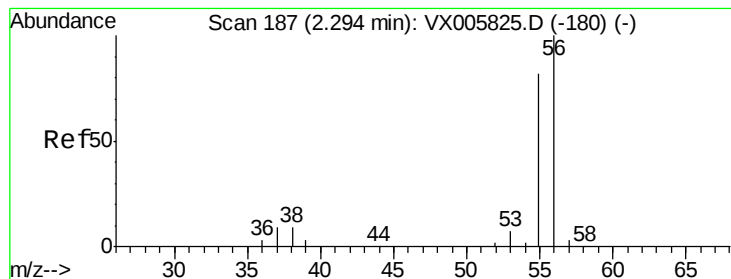
200

100

0

Time--> 2.95 3.00 3.05 3.10





#13

Acrolein

Concen: 19.338 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX006005.D

Acq: 15 Nov 2018 05:53

Instrument :

MSVOA_X

ClientSampleId :

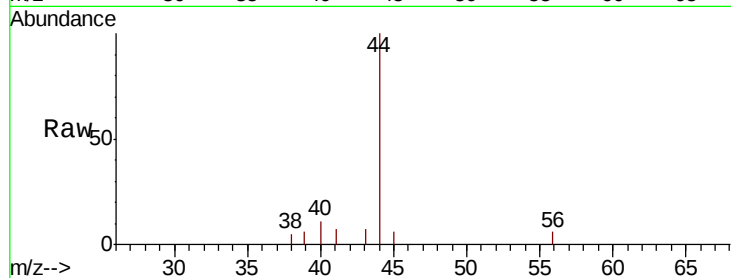
EP2-SB-110(24-28)ME

Tot Ion: 56 Resp: 41

Ion Ratio Lower Upper

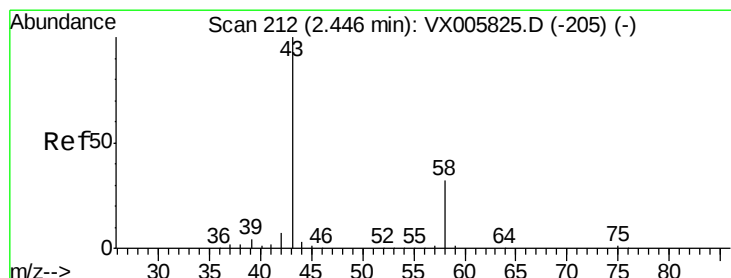
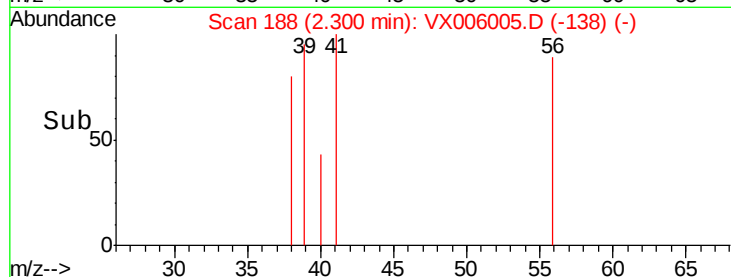
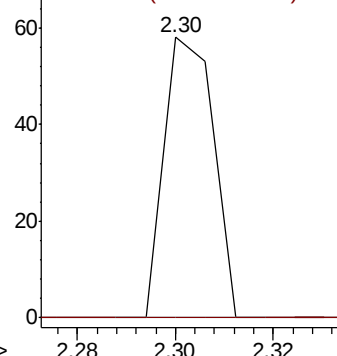
56 100

55 0.0 57.3 85.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.547 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006005.D

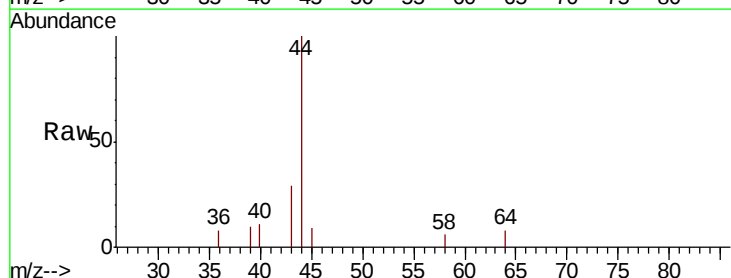
Acq: 15 Nov 2018 05:53

Tgt Ion: 43 Resp: 467

Ion Ratio Lower Upper

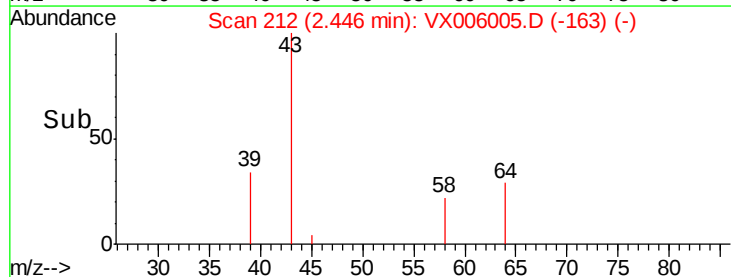
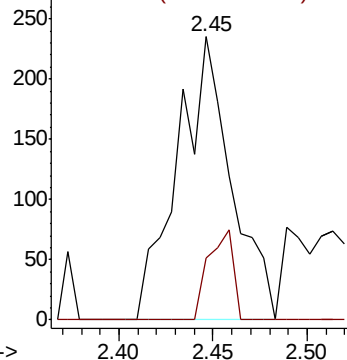
43 100

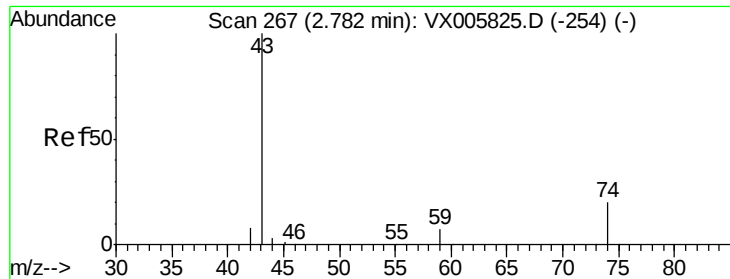
58 22.1 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

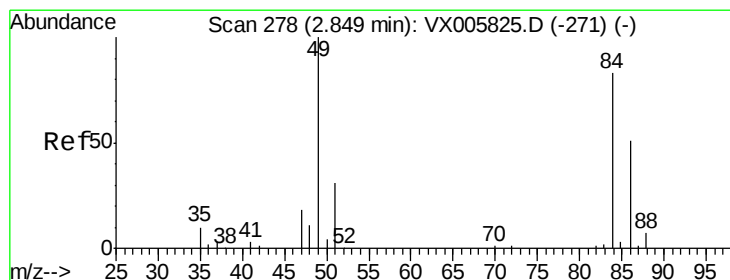
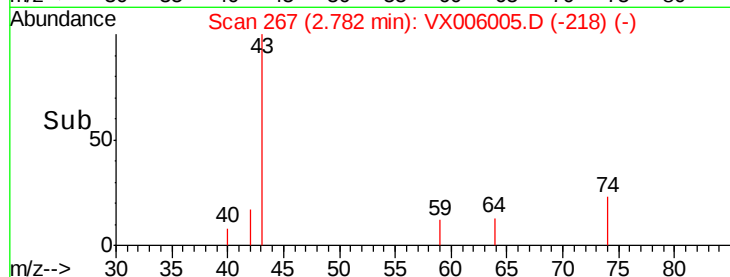
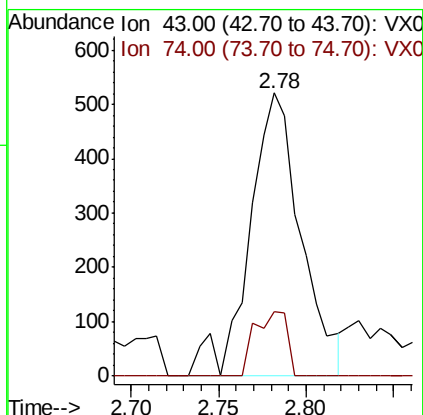
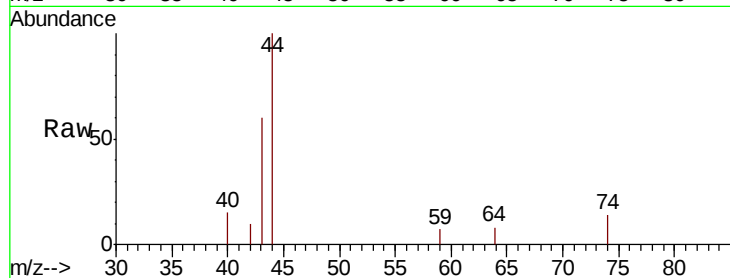




#18
Methyl Acetate
Concen: Below Cal
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX006005.D
Acq: 15 Nov 2018 05:53

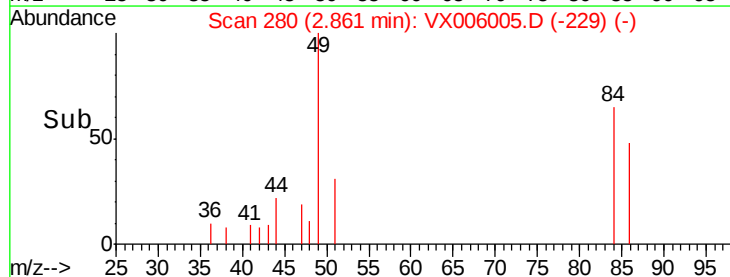
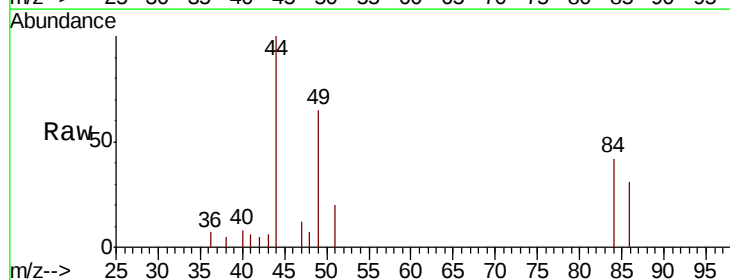
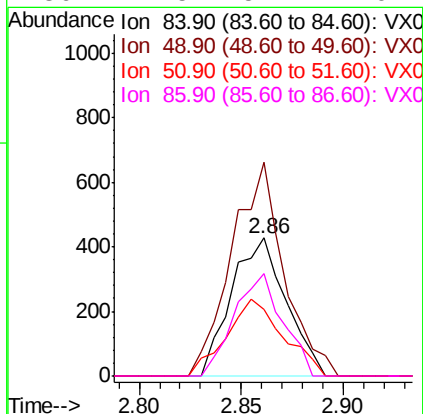
Instrument :
MSVOA_X
ClientSampleId :
EP2-SB-110(24-28)ME

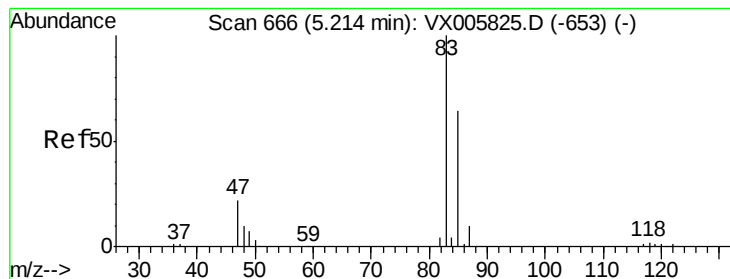
Tot Ion: 43 Resp: 1074
Ion Ratio Lower Upper
43 100
74 14.3 16.8 25.2#



#20
Methylene Chloride
Concen: 0.567 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX006005.D
Acq: 15 Nov 2018 05:53

Tgt Ion: 84 Resp: 796
Ion Ratio Lower Upper
84 100
49 155.0 109.5 164.3
51 48.7 33.3 49.9
86 74.5 52.7 79.1





#30

Chloroform

Concen: 1.377 ug/l

RT: 5.21 min Scan# 665

Delta R.T. -0.01 min

Lab File: VX006005.D

Acq: 15 Nov 2018 05:53

Instrument :

MSVOA_X

ClientSampleId :

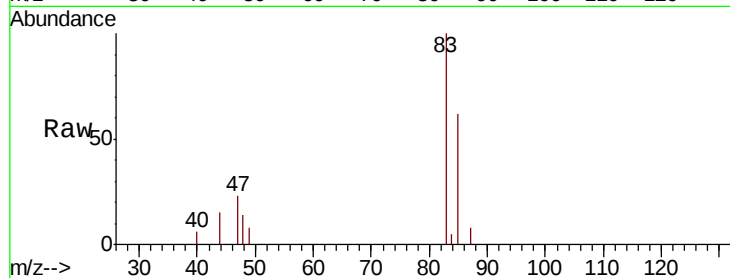
EP2-SB-110(24-28)ME

Tot Ion: 83 Resp: 3382

Ion Ratio Lower Upper

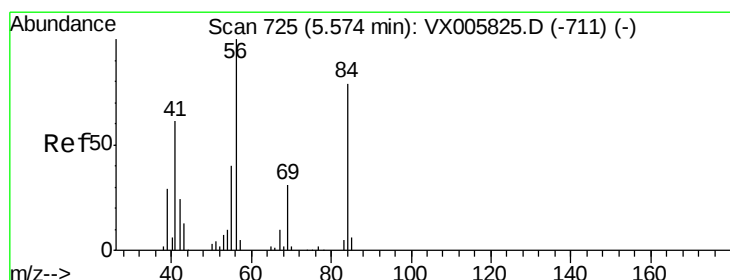
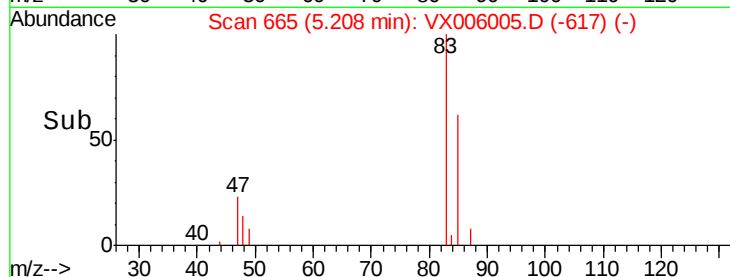
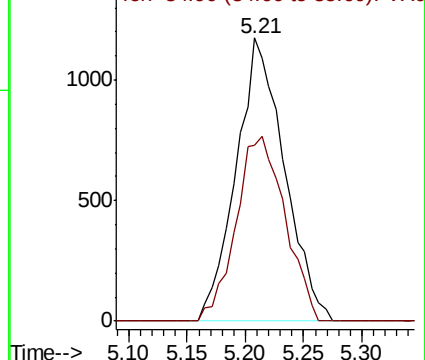
83 100

85 62.1 50.6 76.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0



#31

Cyclohexane

Concen: 1.060 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX006005.D

Acq: 15 Nov 2018 05:53

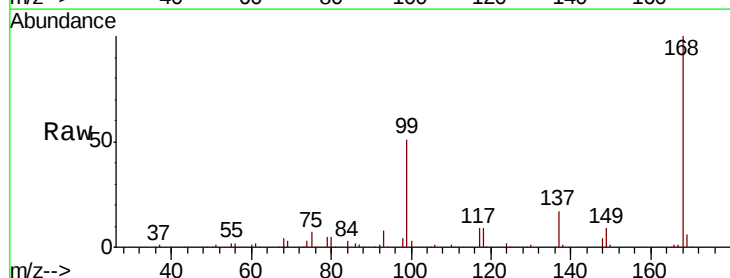
Tgt Ion: 56 Resp: 2343

Ion Ratio Lower Upper

56 100

69 177.0 22.6 34.0#

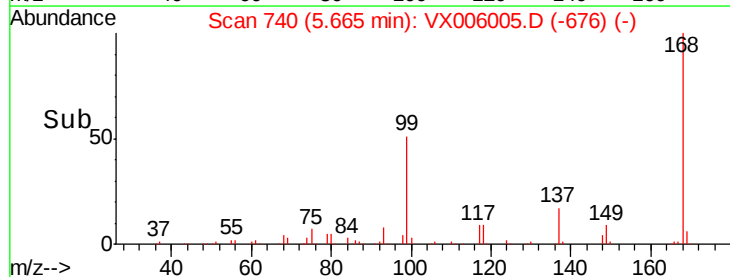
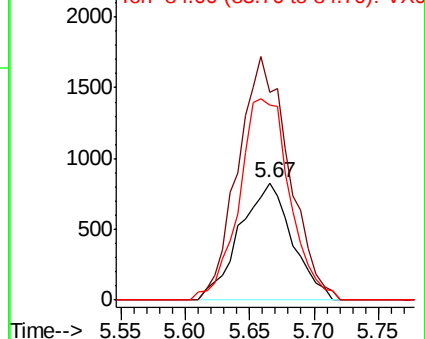
84 166.0 62.7 94.1#

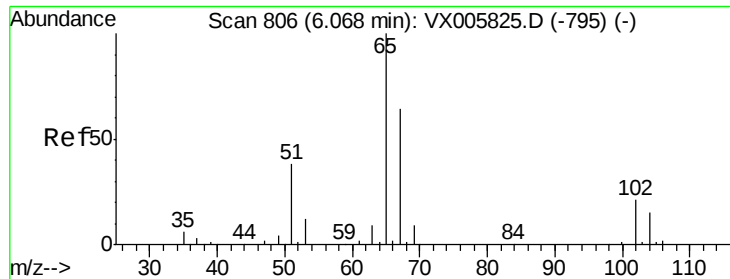


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

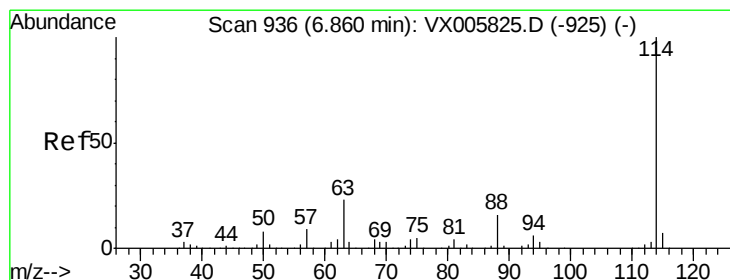
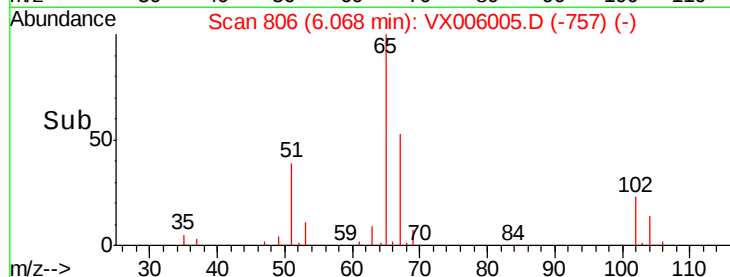
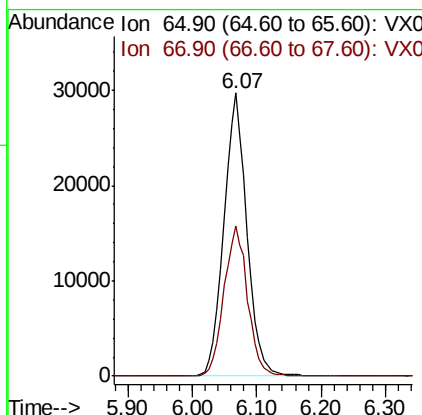
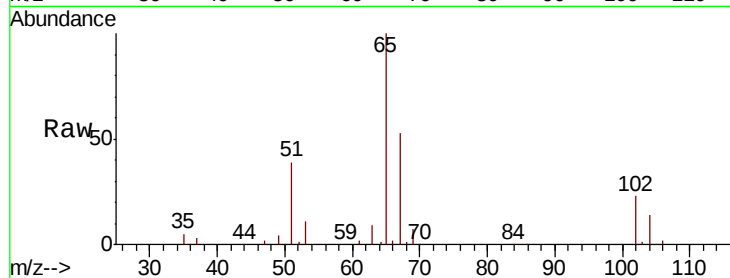




#33
 1,2-Dichloroethane-d4
 Concen: 47.168 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX006005.D
 Acq: 15 Nov 2018 05:53

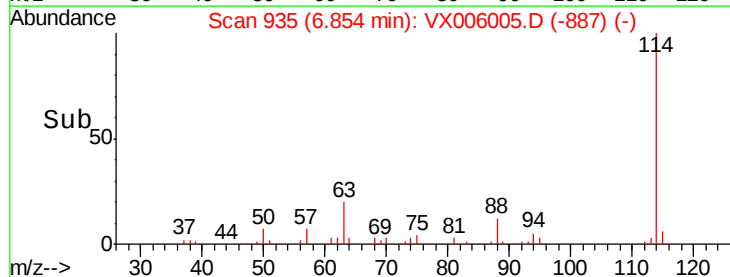
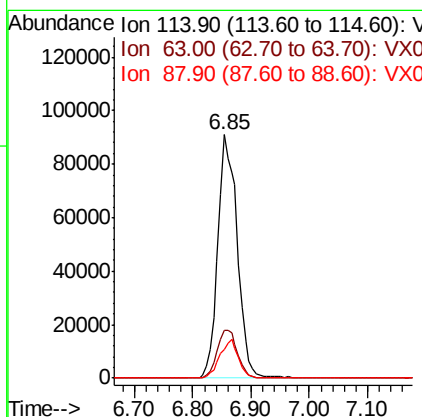
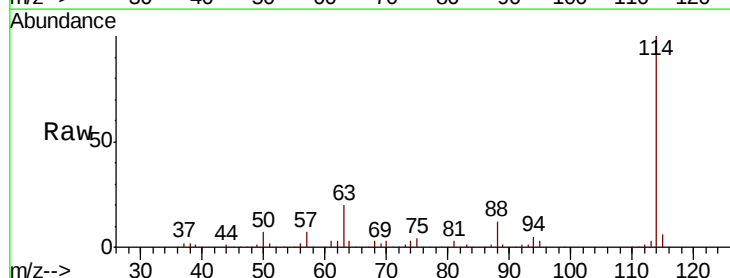
Instrument :
 MSVOA_X
 ClientSampleId :
 EP2-SB-110(24-28)ME

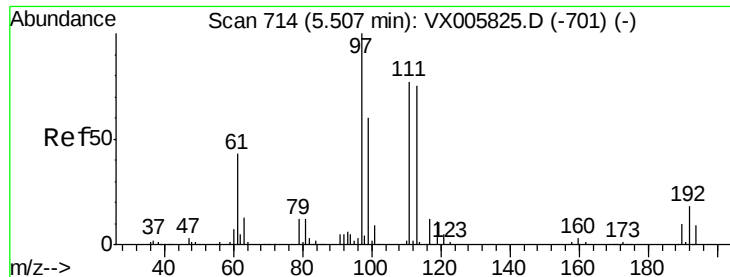
Tot Ion: 65 Resp: 74828
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX006005.D
 Acq: 15 Nov 2018 05:53

Tgt Ion: 114 Resp: 210839
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 42.8
 88 12.0 0.0 31.2

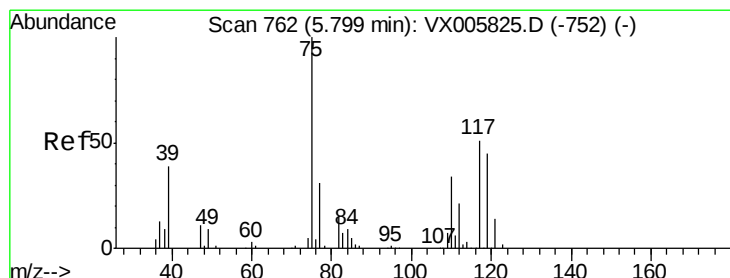
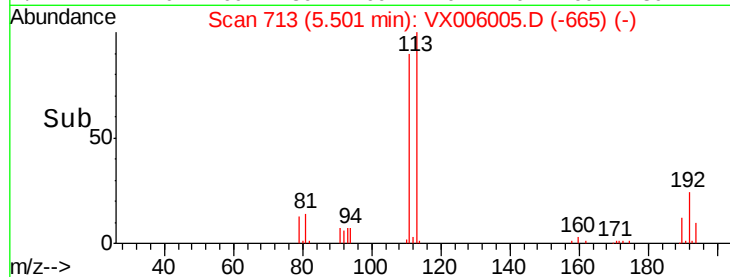
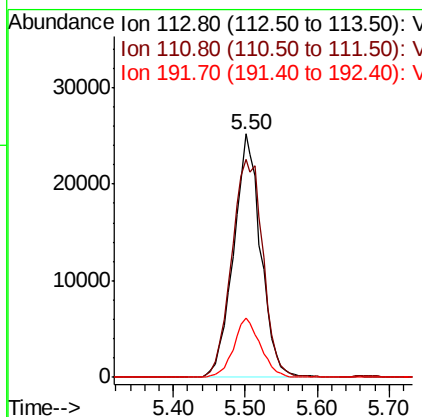
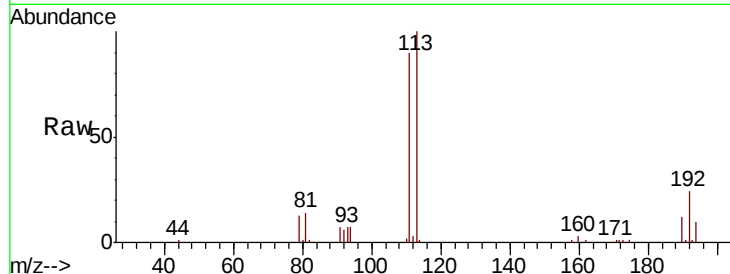




#35
 Dibromofluoromethane
 Concen: 46.050 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VX006005.D
 Acq: 15 Nov 2018 05:53

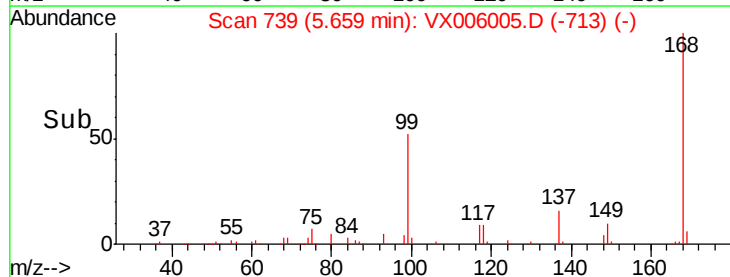
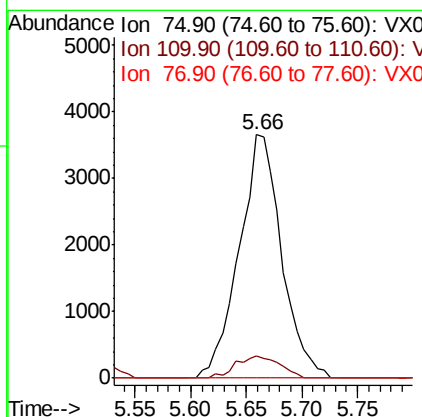
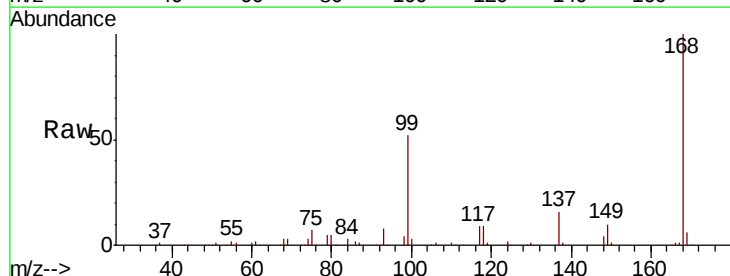
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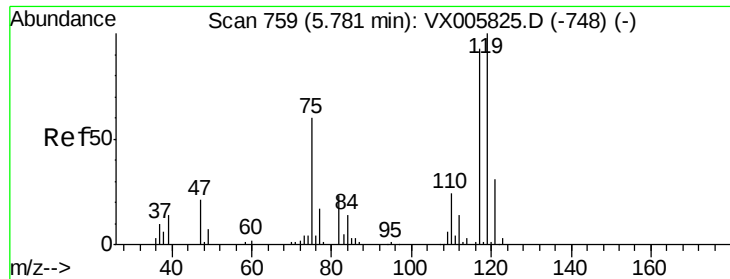
Tot Ion:113 Resp: 66037
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.3 123.5
 192 24.0 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 4.756 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX006005.D
 Acq: 15 Nov 2018 05:53

Tgt Ion: 75 Resp: 9666
 Ion Ratio Lower Upper
 75 100
 110 9.4 17.4 52.2#
 77 0.0 25.8 38.6#





#38

Carbon Tetrachloride

Concen: 6.023 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006005.D

Acq: 15 Nov 2018 05:53

Instrument :

MSVOA_X

ClientSampleId :

EP2-SB-110(24-28)ME

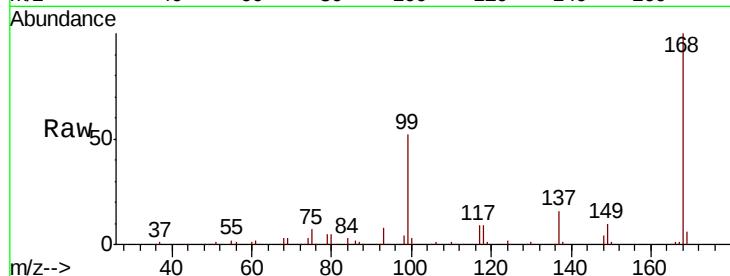
Tot Ion:117 Resp: 12256

Ion Ratio Lower Upper

117 100

119 5.8 78.1 117.1#

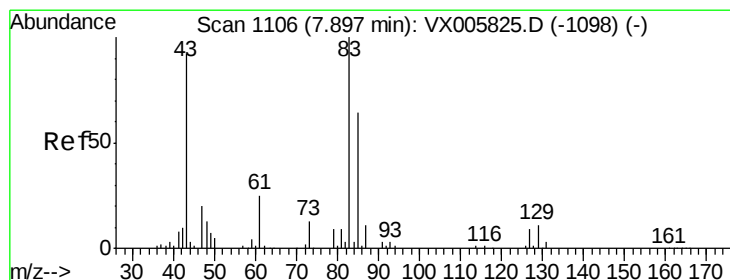
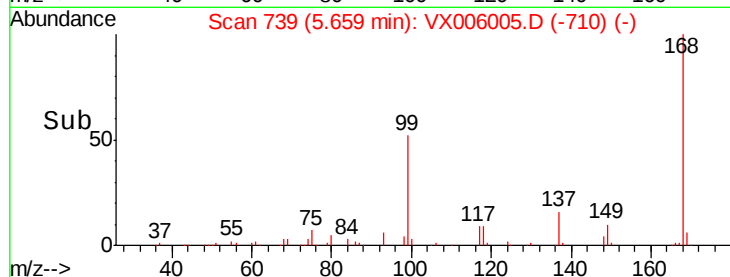
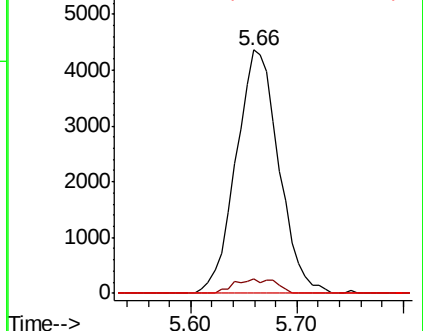
121 0.0 24.6 36.8#



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



#47

Bromodichloromethane

Concen: 0.226 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006005.D

Acq: 15 Nov 2018 05:53

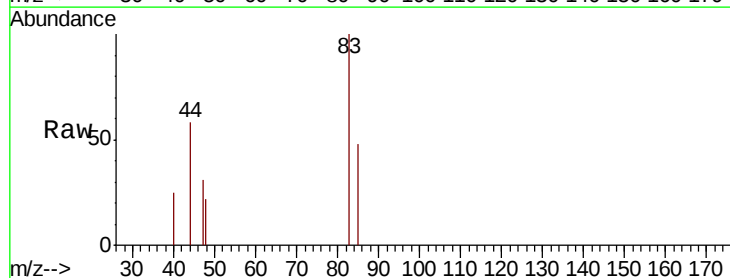
Tgt Ion: 83 Resp: 385

Ion Ratio Lower Upper

83 100

85 47.6 50.2 75.4#

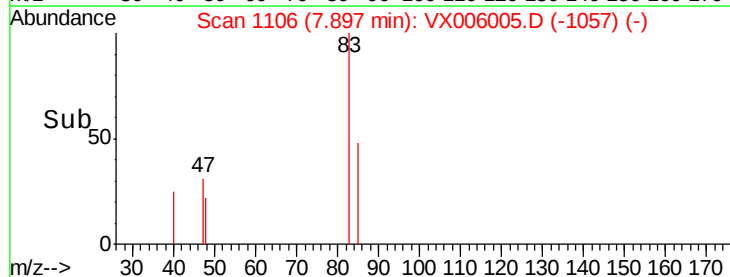
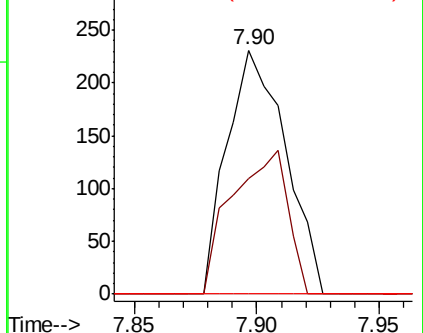
127 0.0 6.9 10.3#

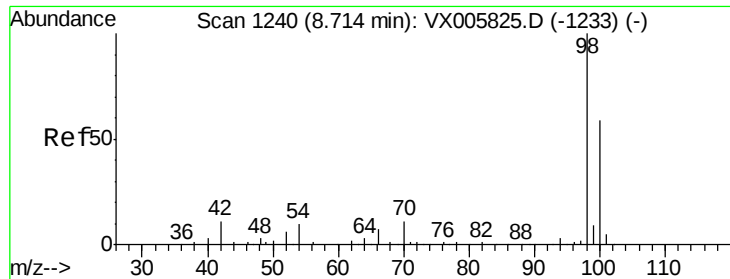


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V





#50

Toluene-d8

Concen: 45.327 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006005.D

Acq: 15 Nov 2018 05:53

Instrument :

MSVOA_X

ClientSampleId :

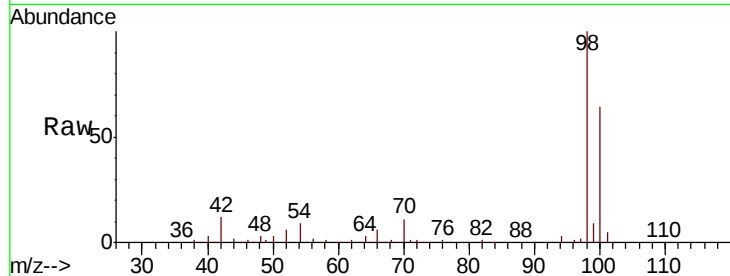
EP2-SB-110(24-28)ME

Tot Ion: 98 Resp: 216095

Ion Ratio Lower Upper

98 100

100 63.2 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

150000

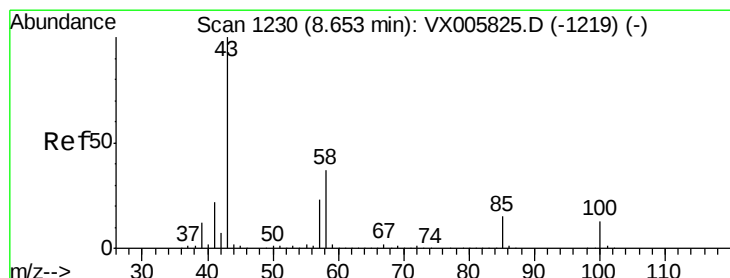
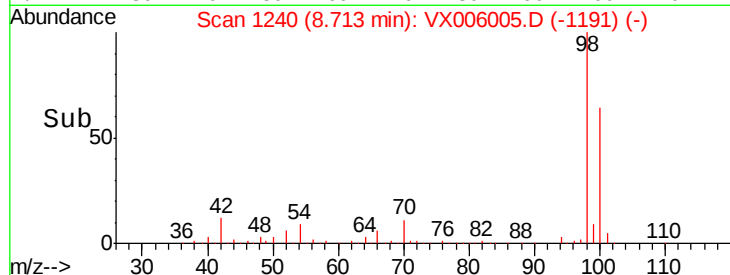
100000

50000

0

8.60 8.70 8.80 8.90

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.431 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.06 min

Lab File: VX006005.D

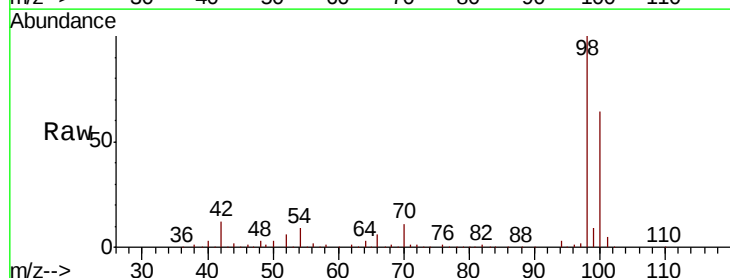
Acq: 15 Nov 2018 05:53

Tgt Ion: 43 Resp: 1052

Ion Ratio Lower Upper

43 100

58 168.0 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1200

1000

800

600

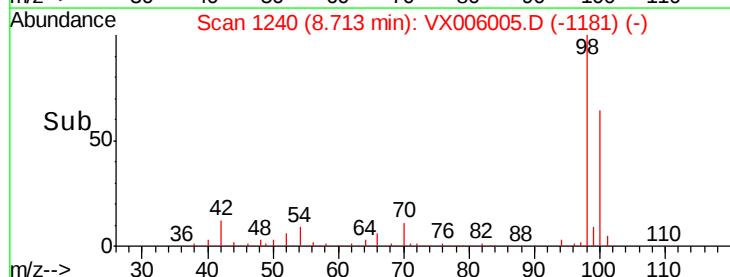
400

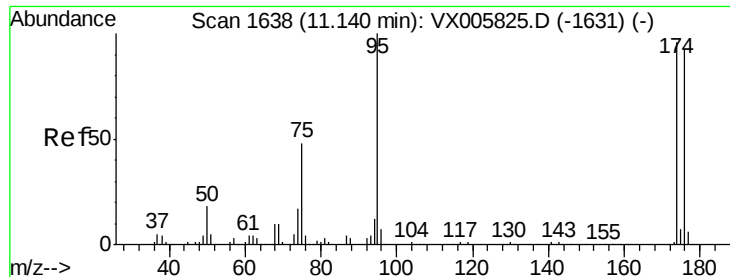
200

0

8.65 8.70 8.75

Time-->





#62

4-Bromofluorobenzene

Concen: 43.323 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX006005.D

Acq: 15 Nov 2018 05:53

Instrument :

MSVOA_X

ClientSampleId :

EP2-SB-110(24-28)ME

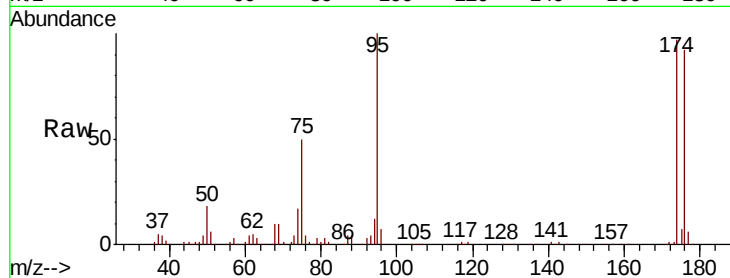
Tot Ion: 95 Resp: 74259

Ion Ratio Lower Upper

95 100

174 91.9 0.0 184.4

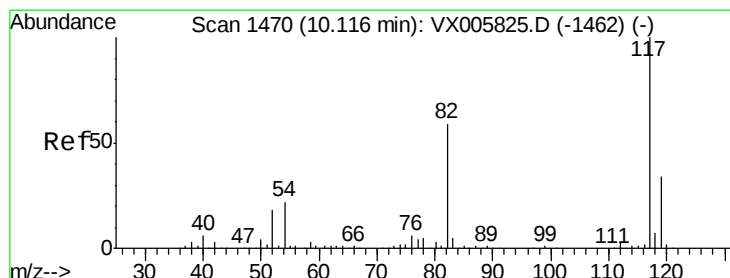
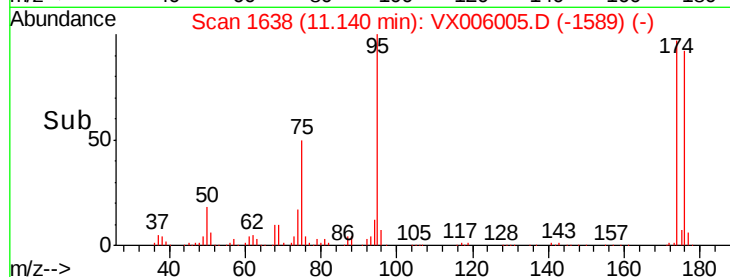
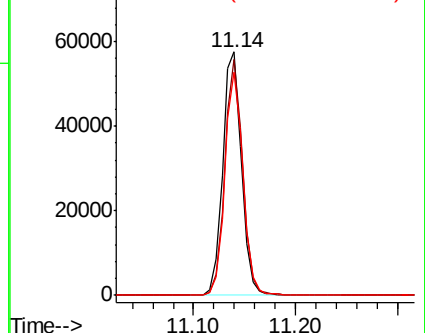
176 88.3 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VX005825.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX005825.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX005825.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX006005.D

Acq: 15 Nov 2018 05:53

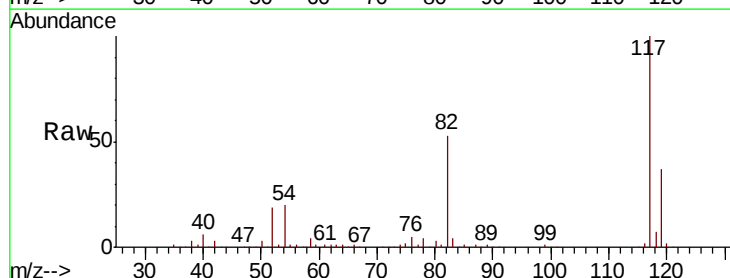
Tgt Ion: 117 Resp: 181763

Ion Ratio Lower Upper

117 100

82 53.0 44.1 66.1

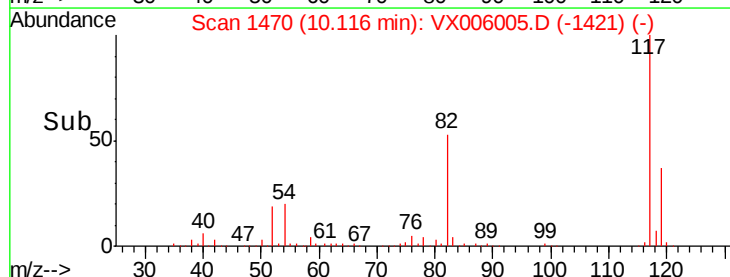
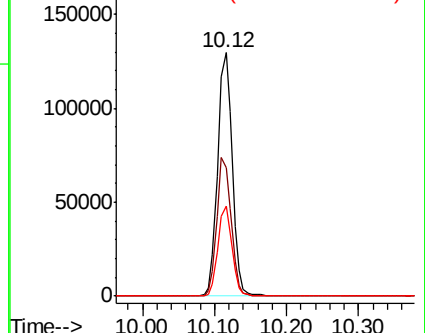
119 37.1 26.2 39.2

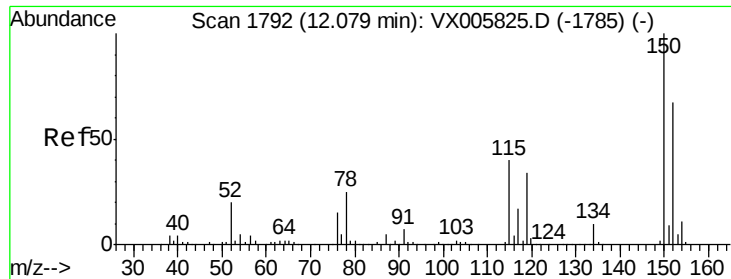


Abundance Ion 116.90 (116.60 to 117.60): VX005825.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX005825.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX005825.D (-1462) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006005.D

Acq: 15 Nov 2018 05:53

Instrument :

MSVOA_X

ClientSampleId :

EP2-SB-110(24-28)ME

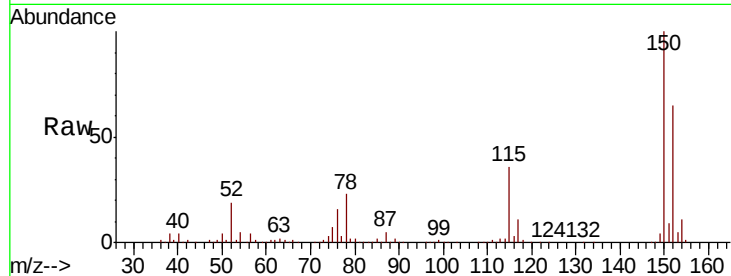
Tot Ion:152 Resp: 81160

Ion Ratio Lower Upper

152 100

115 55.3 39.4 118.1

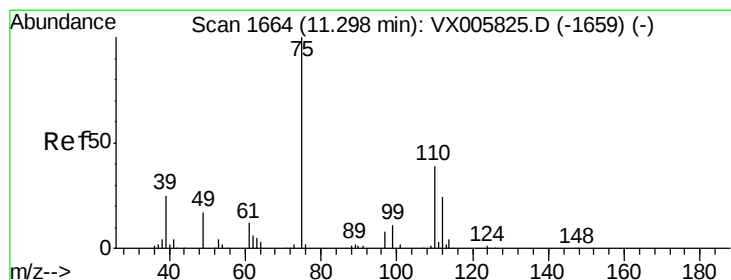
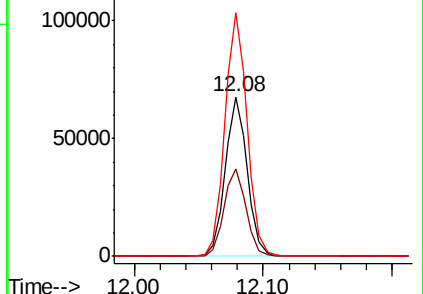
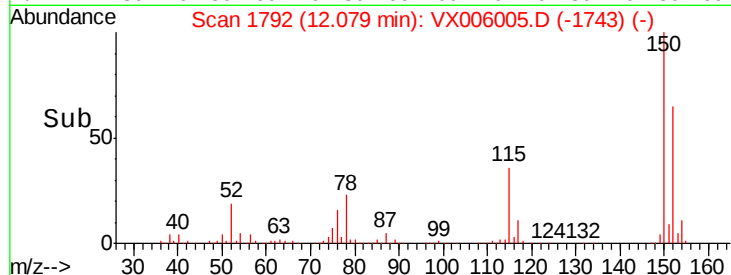
150 154.9 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 22.500 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX006005.D

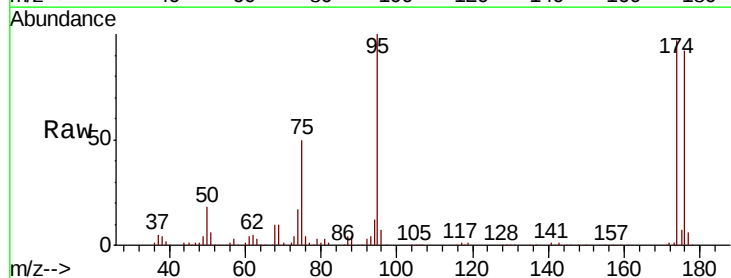
Acq: 15 Nov 2018 05:53

Tgt Ion: 75 Resp: 37183

Ion Ratio Lower Upper

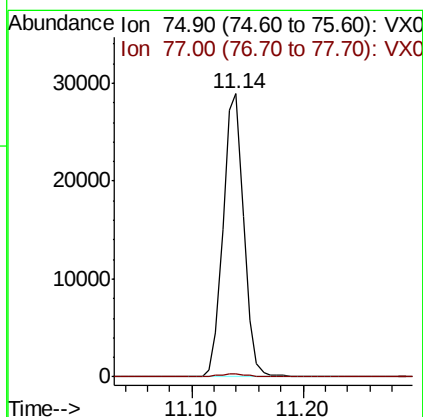
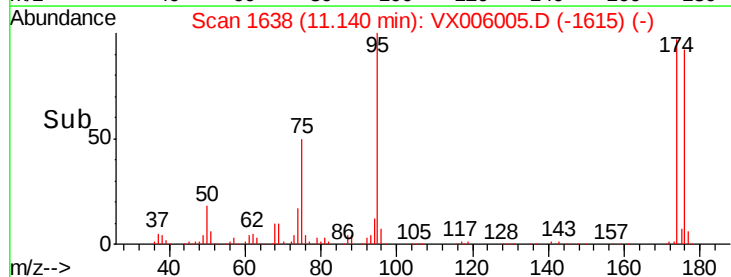
75 100

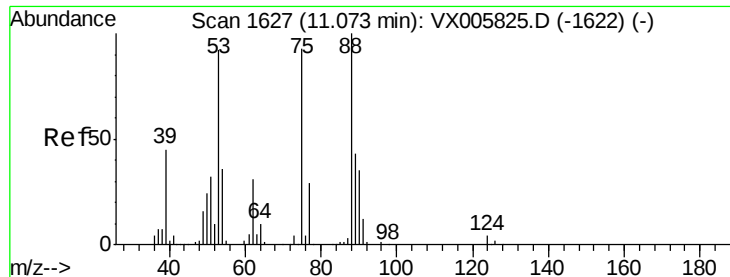
77 1.3 20.5 61.6#



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: 71.710 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX006005.D

Acq: 15 Nov 2018 05:53

Instrument :

MSVOA_X

ClientSampleId :

EP2-SB-110(24-28)ME

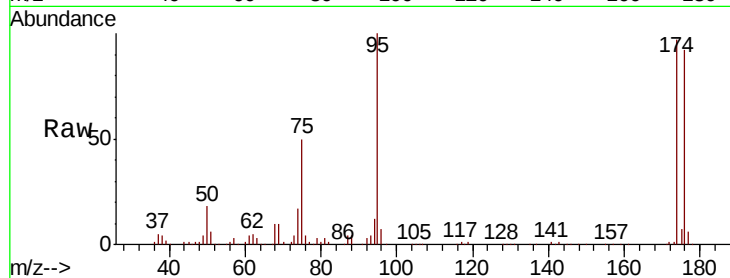
Tot Ion: 75 Resp: 37183

Ion Ratio Lower Upper

75 100

53 0.2 80.2 120.2#

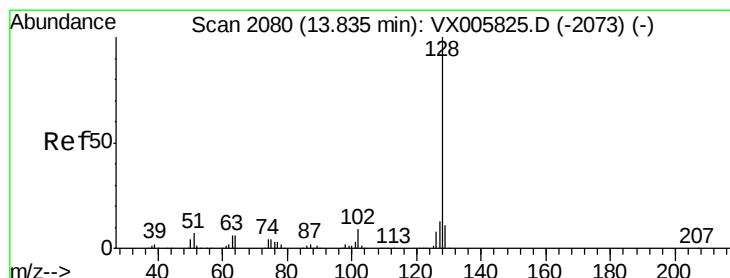
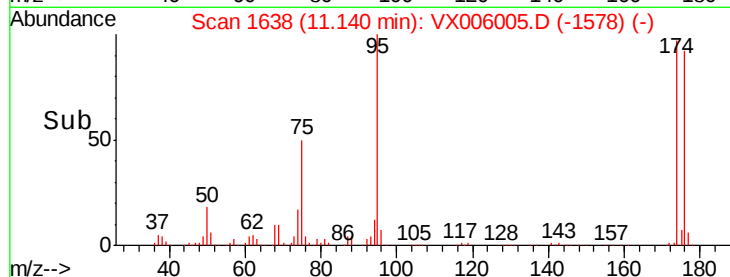
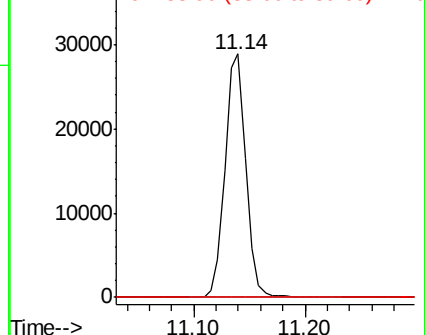
89 0.0 39.8 59.8#



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



#95

Naphthalene

Concen: 1.196 ug/l

RT: 13.84 min Scan# 2081

Delta R.T. 0.01 min

Lab File: VX006005.D

Acq: 15 Nov 2018 05:53

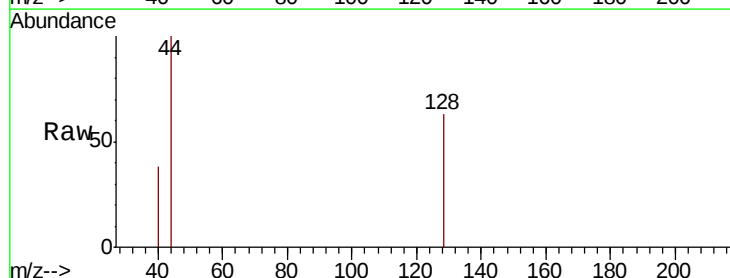
Tgt Ion: 128 Resp: 113

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

