

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111418\
 Data File : VX006004.D
 Acq On : 15 Nov 2018 05:26
 Operator : JC/MD
 Sample : J5860-24ME 20X
 Misc : 4.56g/5ml/100ul/5.00mL/MSVOA_X/MEOH
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EP2-SB-111(14-16)ME

Quant Time: Nov 15 06:12:30 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	5.67	168	142451	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	204720	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	183633	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	82109	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	75604	46.17	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.34%	
35) Dibromofluoromethane	5.50	113	67446	48.44	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.88%	
50) Toluene-d8	8.71	98	218148	47.12	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.24%	
62) 4-Bromofluorobenzene	11.14	95	75692	45.48	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.96%	

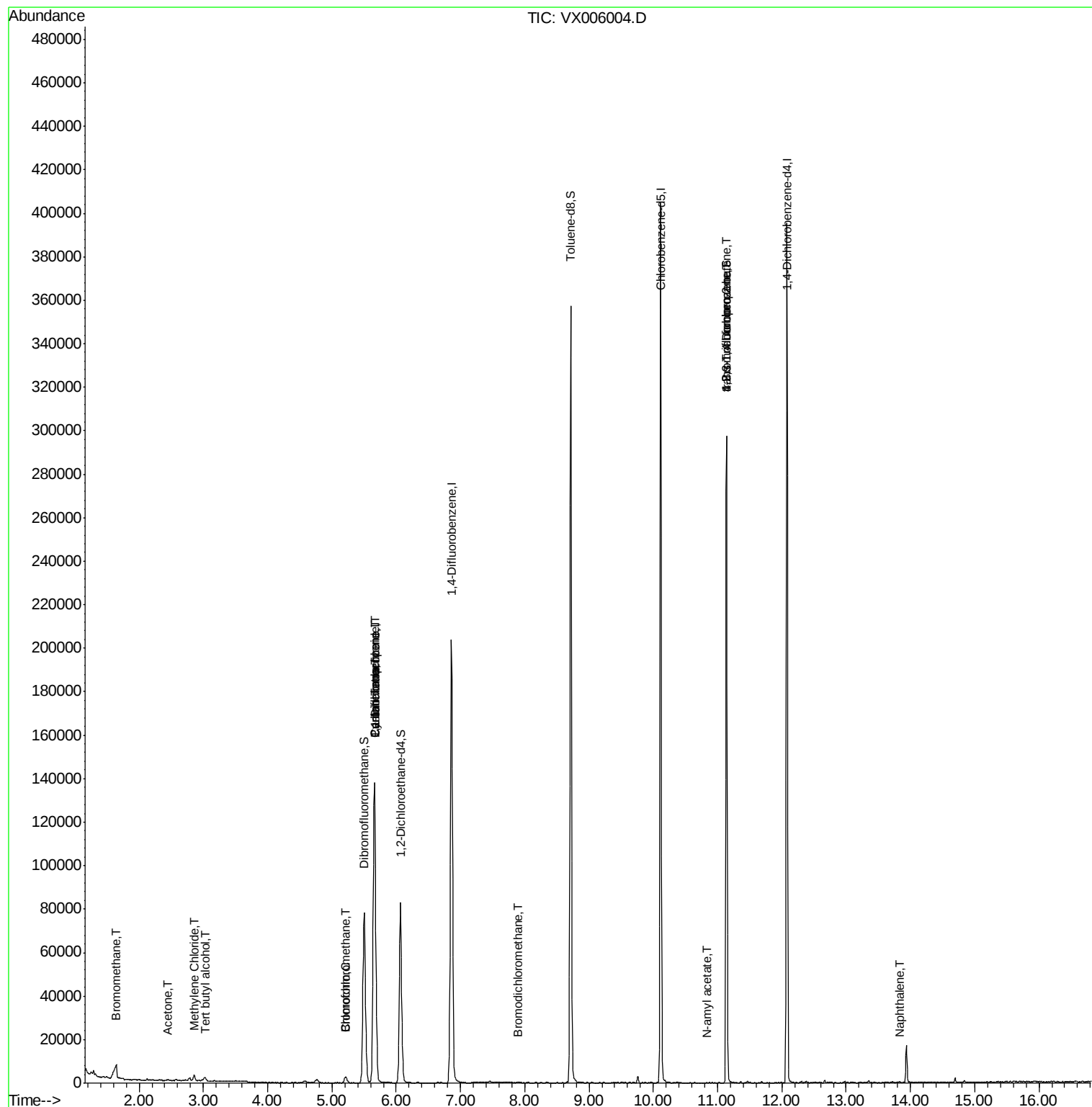
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	265	0.256	ug/l #	79
11) Tert butyl alcohol	3.03	59	1287	2.743	ug/l #	72
16) Acetone	2.45	43	451	0.511	ug/l #	45
18) Methyl Acetate	2.79	43	1319	Below Cal		96
20) Methylene Chloride	2.86	84	867	0.599	ug/l	96
28) Bromochloromethane	5.21	49	268	0.228	ug/l #	15
30) Chloroform	5.22	83	3456	1.363	ug/l	93
31) Cyclohexane	5.66	56	2639	1.157	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	9792	4.962	ug/l #	49
38) Carbon Tetrachloride	5.66	117	12342	6.247	ug/l #	17
47) Bromodichloromethane	7.90	83	358	0.216	ug/l #	93
74) N-amyl acetate	10.83	43	20	1.258	ug/l #	44
76) 1,2,3-Trichloropropane	11.14	75	37632	22.508	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	37632	71.738	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.80	105	42	Below Cal	#	31
95) Naphthalene	13.83	128	340	1.234	ug/l #	69

(#) = 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. 0.01 min

Lab File: VX006004.D

Acq: 15 Nov 2018 05:26

Instrument :

MSVOA_X

ClientSampleId :

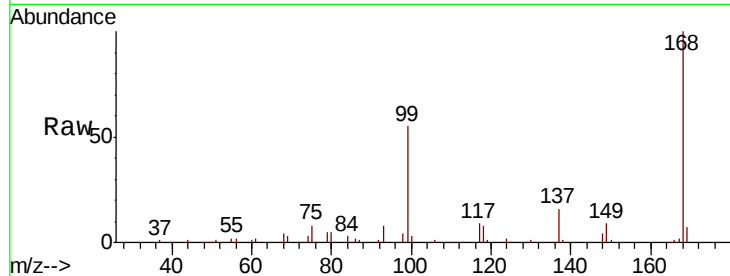
EP2-SB-111(14-16)ME

Tot Ion:168 Resp: 142451

Ion Ratio Lower Upper

168 100

99 55.4 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

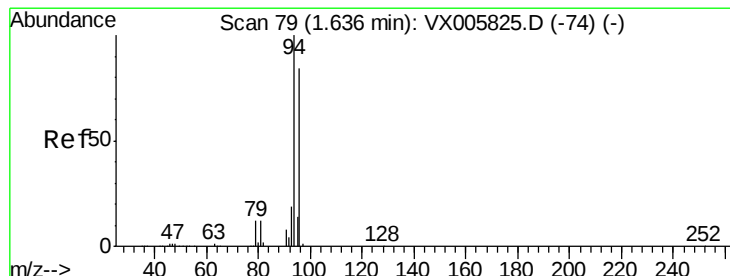
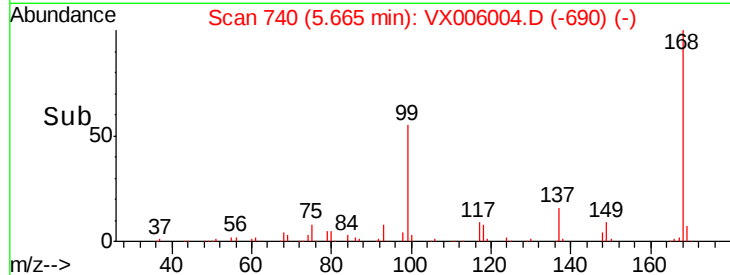
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.256 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX006004.D

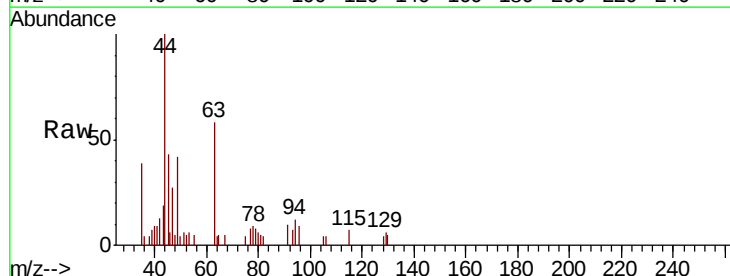
Acq: 15 Nov 2018 05:26

Tgt Ion: 94 Resp: 265

Ion Ratio Lower Upper

94 100

96 73.9 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

200

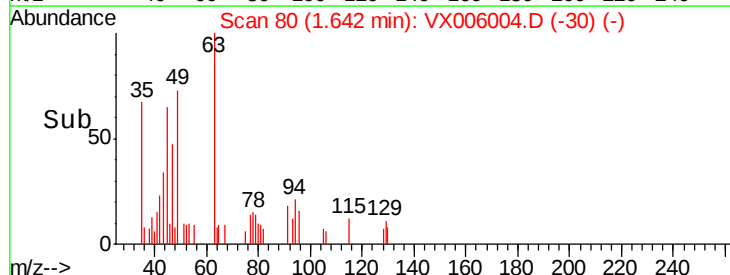
150

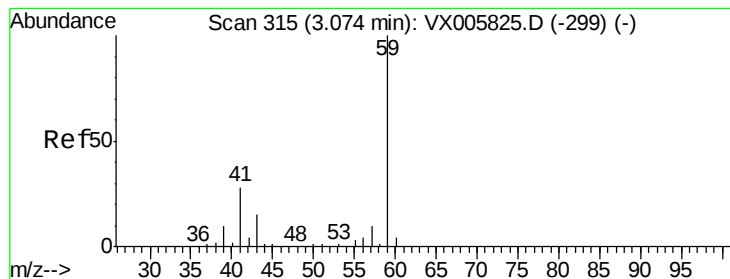
100

50

0

Time--> 1.60 1.65



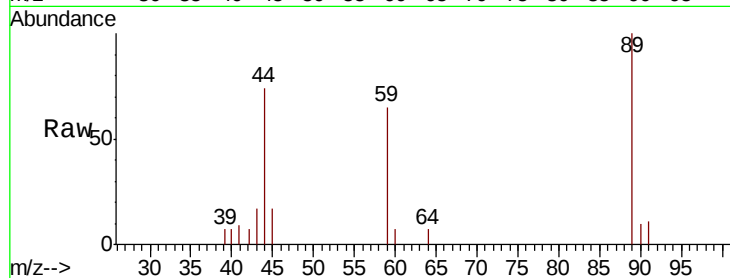


#11

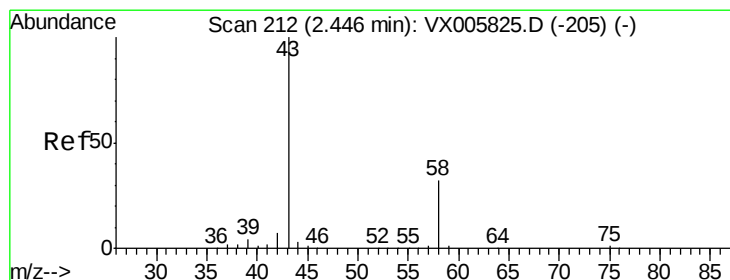
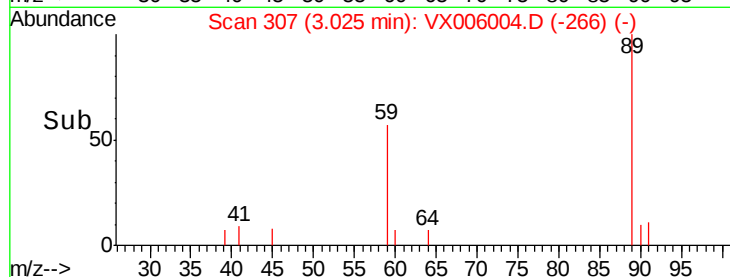
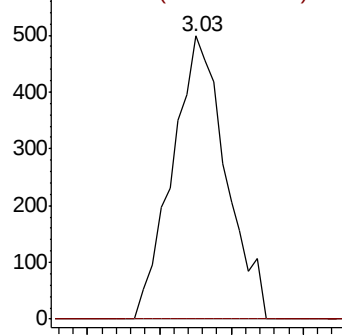
Tert butyl alcohol
 Concen: 2.743 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.05 min
 Lab File: VX006004.D
 Acq: 15 Nov 2018 05:26

Instrument :
 MSVOA_X
 ClientSampleId :
 EP2-SB-111(14-16)ME

Tot Ion: 59 Resp: 1287
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#



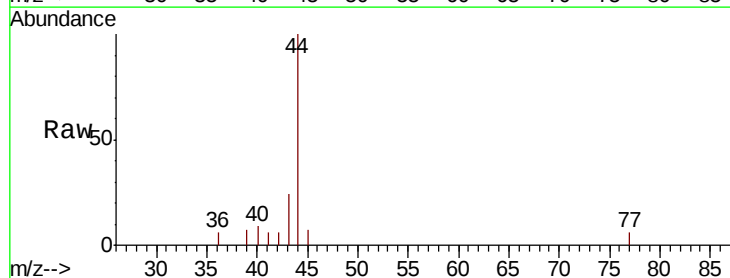
Abundance Ion 59.00 (58.70 to 59.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0



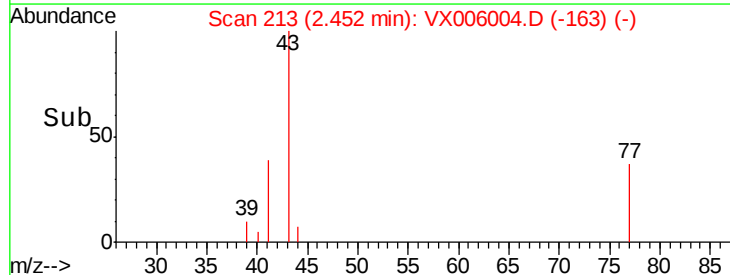
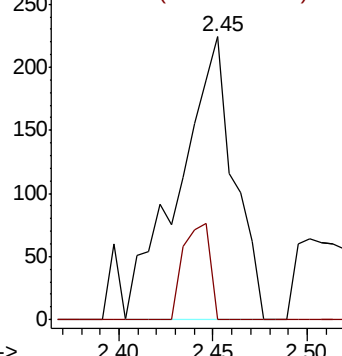
#16

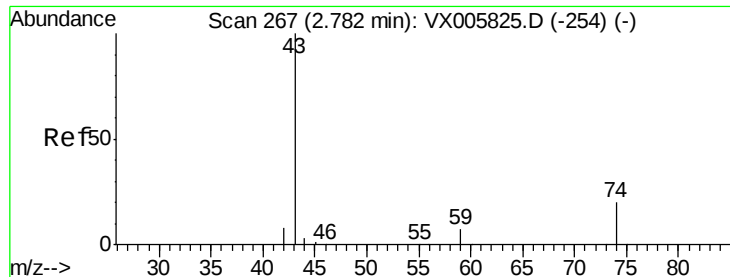
Acetone
 Concen: 0.511 ug/l
 RT: 2.45 min Scan# 213
 Delta R.T. 0.01 min
 Lab File: VX006004.D
 Acq: 15 Nov 2018 05:26

Tgt Ion: 43 Resp: 451
 Ion Ratio Lower Upper
 43 100
 58 0.0 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

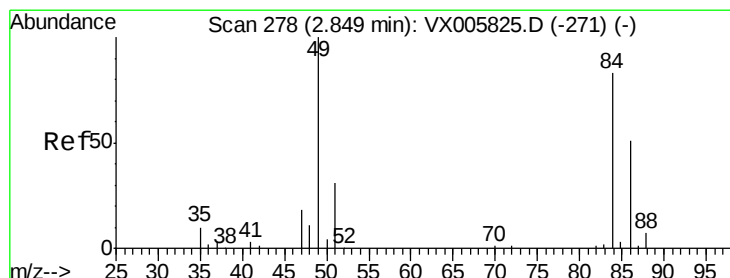
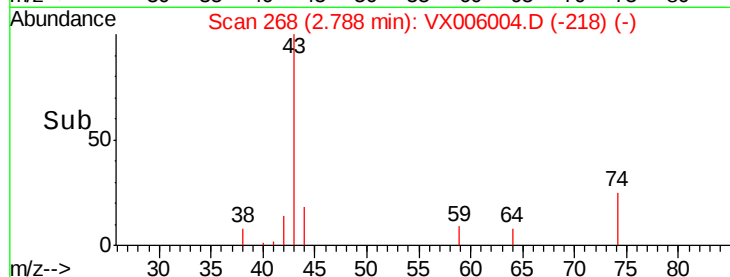
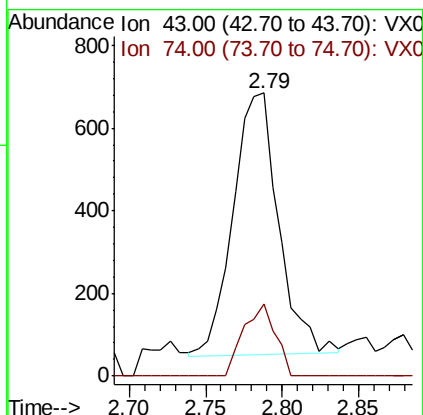
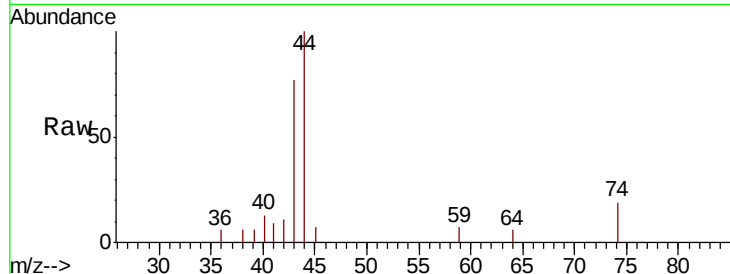




#18
Methyl Acetate
Concen: Below Cal
RT: 2.79 min Scan# 268
Delta R.T. 0.01 min
Lab File: VX006004.D
Acq: 15 Nov 2018 05:26

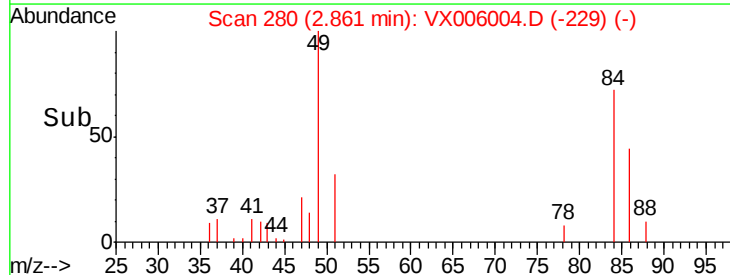
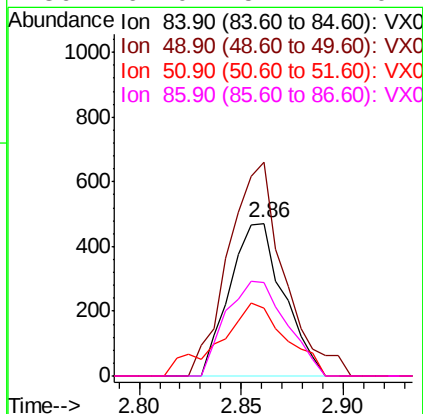
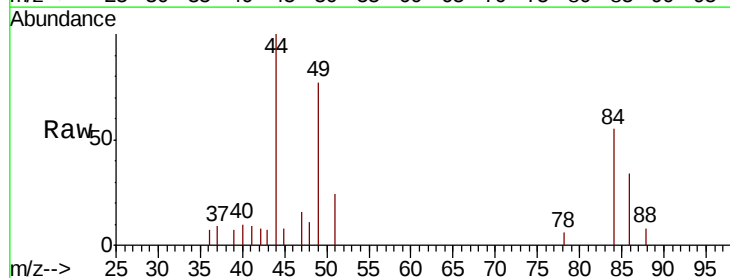
Instrument :
MSVOA_X
ClientSampleId :
EP2-SB-111(14-16)ME

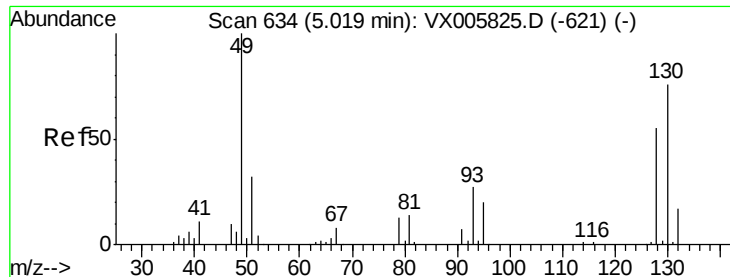
Tot Ion: 43 Resp: 1319
Ion Ratio Lower Upper
43 100
74 19.1 16.8 25.2



#20
Methylene Chloride
Concen: 0.599 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX006004.D
Acq: 15 Nov 2018 05:26

Tgt Ion: 84 Resp: 867
Ion Ratio Lower Upper
84 100
49 139.8 109.5 164.3
51 44.3 33.3 49.9
86 61.0 52.7 79.1





#28

Bromochloromethane

Concen: 0.228 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.19 min

Lab File: VX006004.D

Acq: 15 Nov 2018 05:26

Instrument :

MSVOA_X

ClientSampleId :

EP2-SB-111(14-16)ME

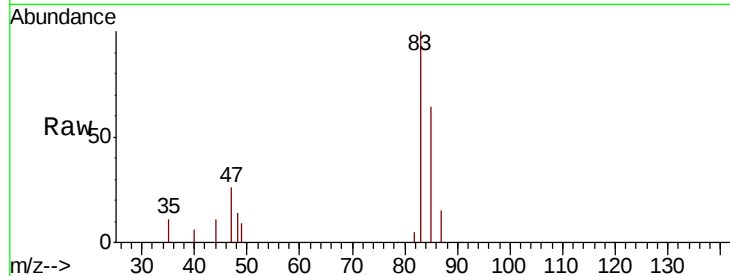
Tot Ion: 49 Resp: 268

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.0

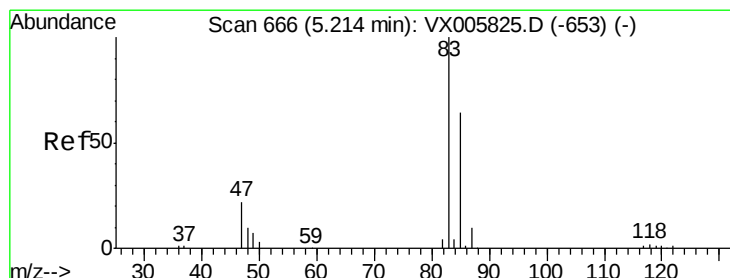
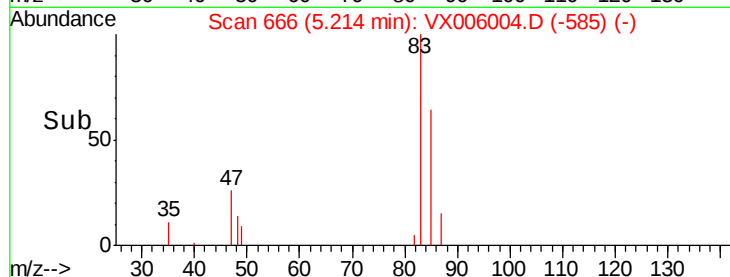
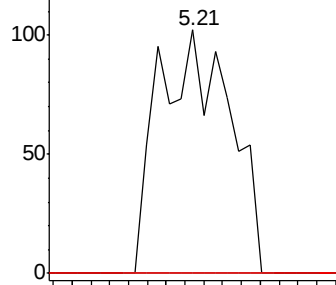
130 0.0 58.9 88.3#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#30

Chloroform

Concen: 1.363 ug/l

RT: 5.22 min Scan# 667

Delta R.T. 0.01 min

Lab File: VX006004.D

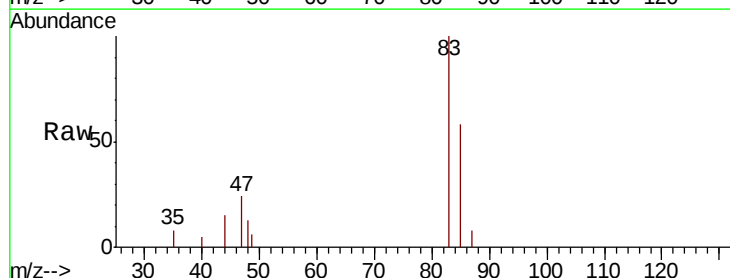
Acq: 15 Nov 2018 05:26

Tgt Ion: 83 Resp: 3456

Ion Ratio Lower Upper

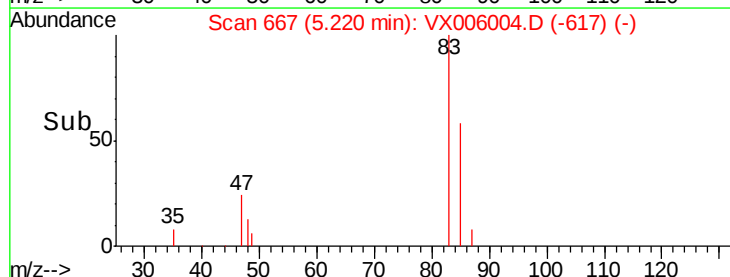
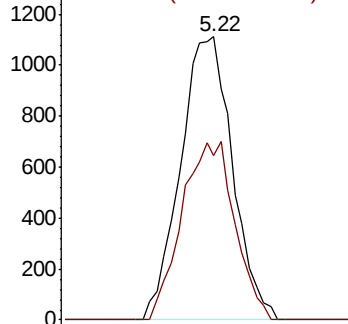
83 100

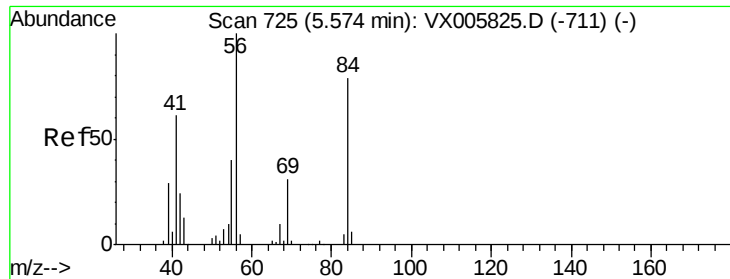
85 58.1 50.6 76.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

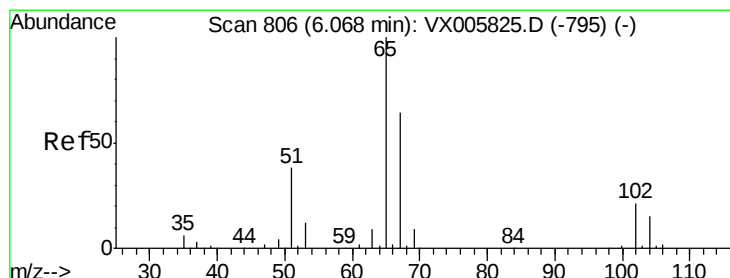
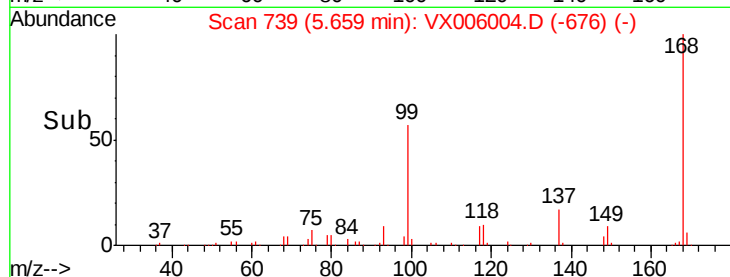
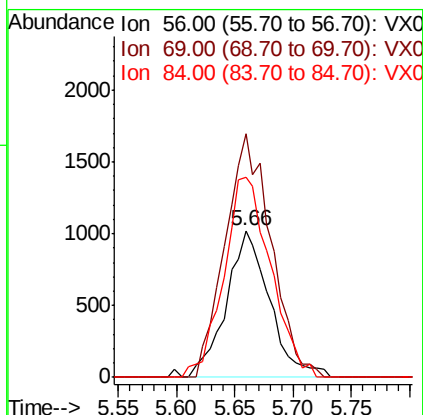
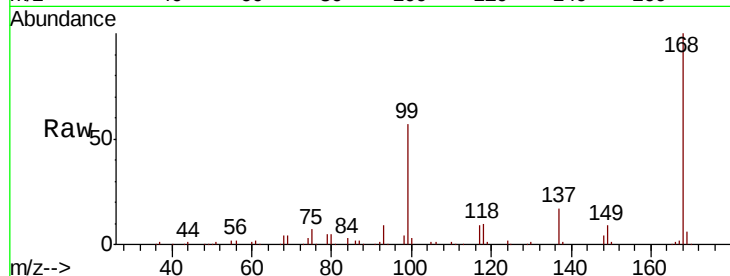




#31
Cyclohexane
Concen: 1.157 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX006004.D
Acq: 15 Nov 2018 05:26

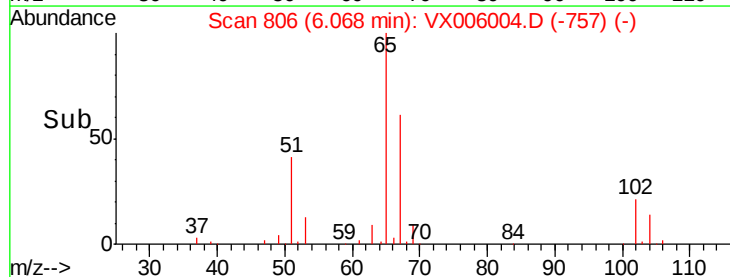
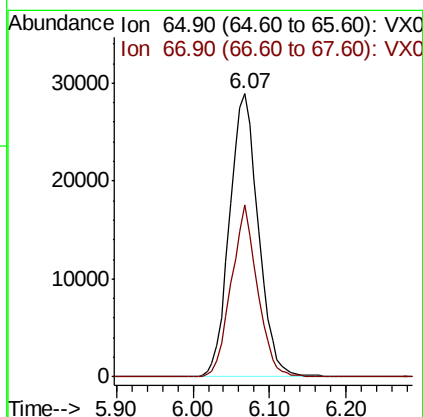
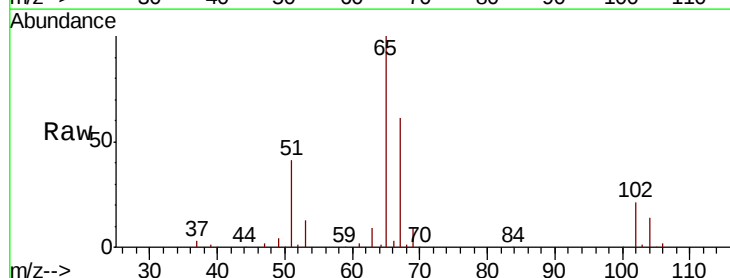
Instrument :
MSVOA_X
ClientSampleId :
EP2-SB-111(14-16)ME

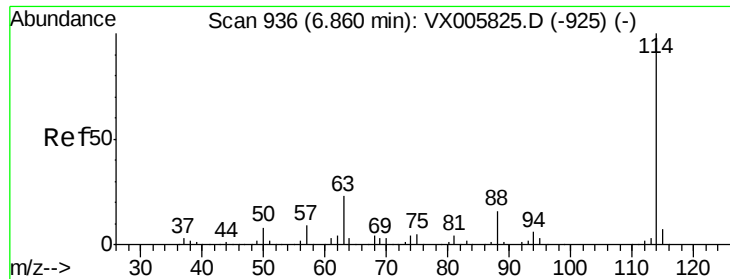
Tot Ion: 56 Resp: 2639
Ion Ratio Lower Upper
56 100
69 165.9 22.6 34.0#
84 136.6 62.7 94.1#



#33
1,2-Dichloroethane-d4
Concen: 46.166 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX006004.D
Acq: 15 Nov 2018 05:26

Tgt Ion: 65 Resp: 75604
Ion Ratio Lower Upper
65 100
67 55.2 0.0 105.0

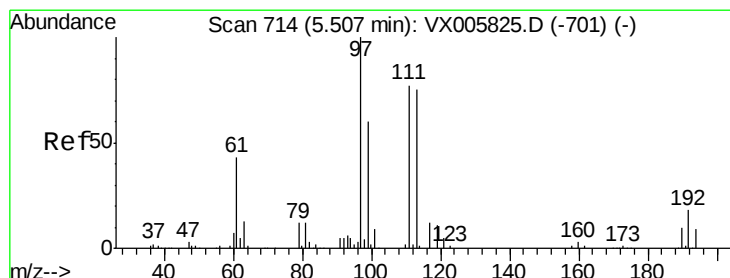
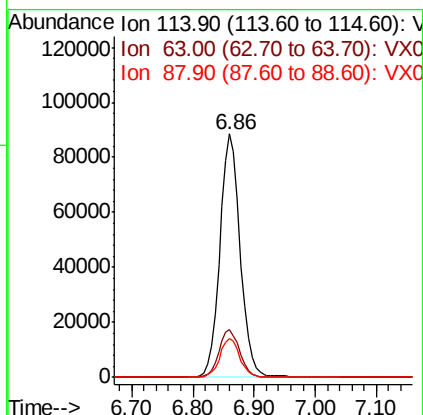
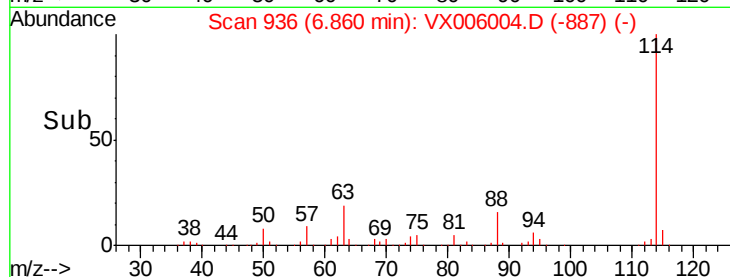
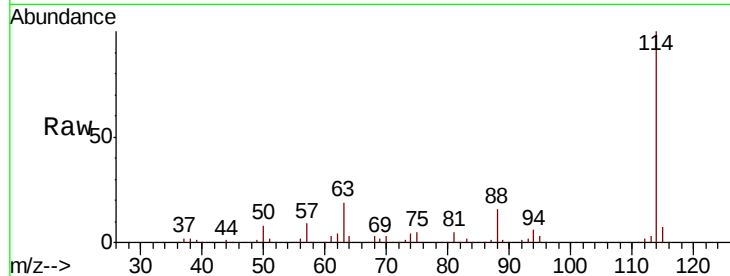




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX006004.D
Acq: 15 Nov 2018 05:26

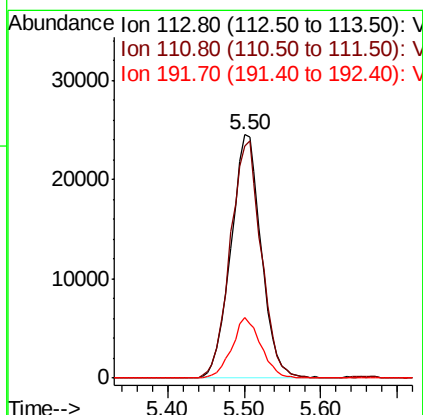
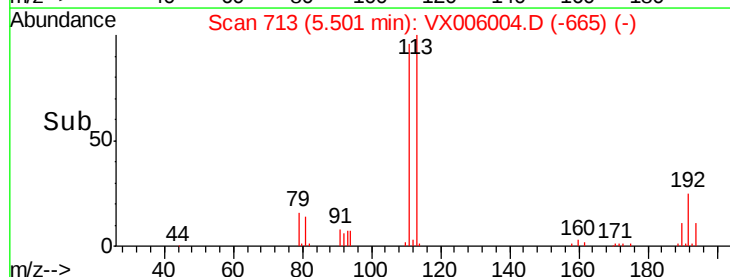
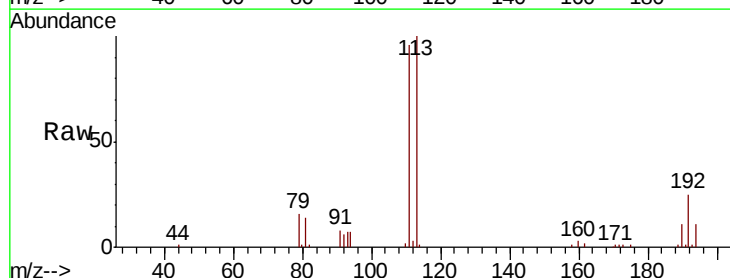
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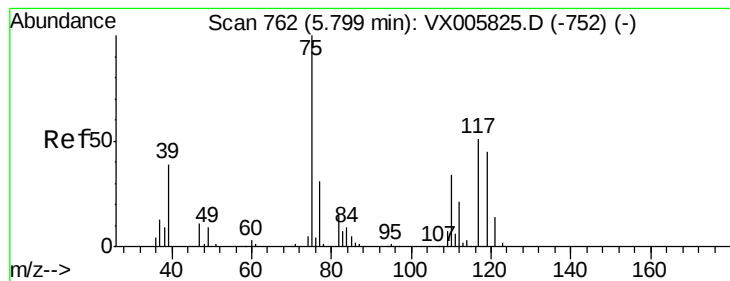
Tot Ion:114 Resp: 204720
Ion Ratio Lower Upper
114 100
63 19.4 0.0 42.8
88 16.0 0.0 31.2



#35
Dibromofluoromethane
Concen: 48.438 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.01 min
Lab File: VX006004.D
Acq: 15 Nov 2018 05:26

Tgt Ion:113 Resp: 67446
Ion Ratio Lower Upper
113 100
111 99.2 82.3 123.5
192 23.7 17.9 26.9





#36

1,1-Dichloropropene

Concen: 4.962 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006004.D

Acq: 15 Nov 2018 05:26

Instrument :

MSVOA_X

ClientSampleId :

EP2-SB-111(14-16)ME

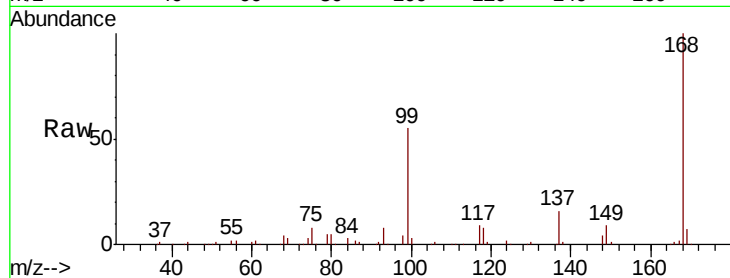
Tot Ion: 75 Resp: 9792

Ion Ratio Lower Upper

75 100

110 8.4 17.4 52.2#

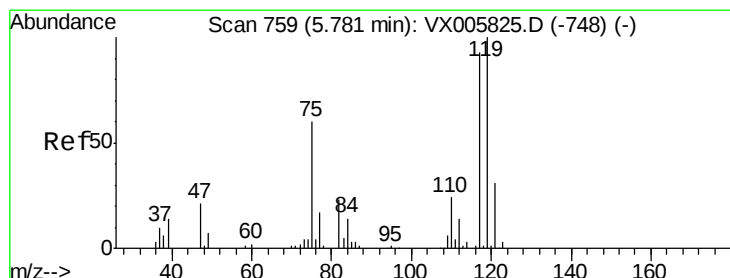
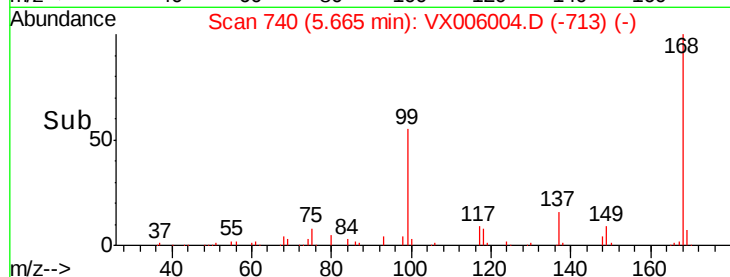
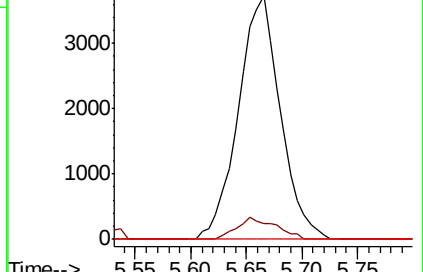
77 0.0 25.8 38.6#



Abundance Ion 74.90 (74.60 to 75.60): VX006004.D (-713) (-)

Ion 109.90 (109.60 to 110.60): VX006004.D (-713) (-)

Ion 76.90 (76.60 to 77.60): VX006004.D (-713) (-)



#38

Carbon Tetrachloride

Concen: 6.247 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006004.D

Acq: 15 Nov 2018 05:26

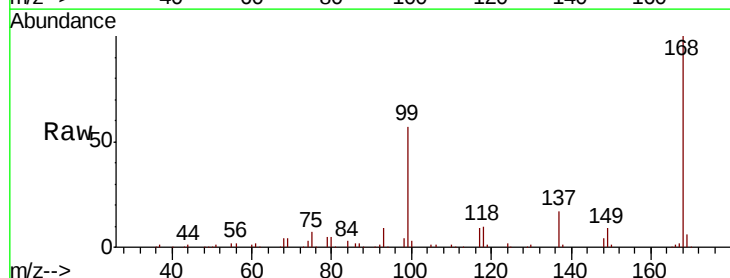
Tgt Ion: 117 Resp: 12342

Ion Ratio Lower Upper

117 100

119 6.8 78.1 117.1#

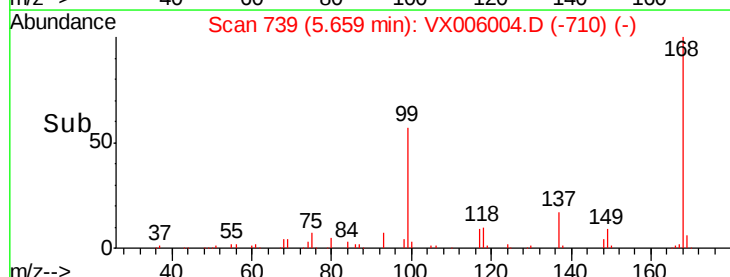
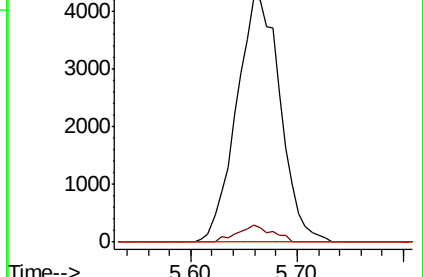
121 0.0 24.6 36.8#

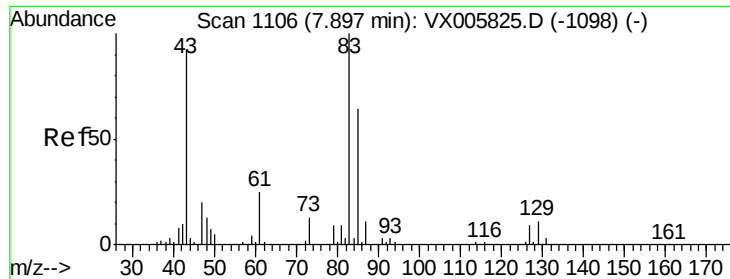


Abundance Ion 116.80 (116.50 to 117.50): VX006004.D (-710) (-)

Ion 118.80 (118.50 to 119.50): VX006004.D (-710) (-)

Ion 120.80 (120.50 to 121.50): VX006004.D (-710) (-)





#47

Bromodichloromethane

Concen: 0.216 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX006004.D

Acq: 15 Nov 2018 05:26

Instrument :

MSVOA_X

ClientSampleId :

EP2-SB-111(14-16)ME

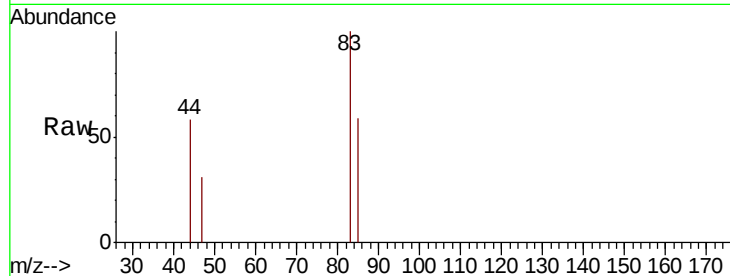
Tot Ion: 83 Resp: 358

Ion Ratio Lower Upper

83 100

85 59.0 50.2 75.4

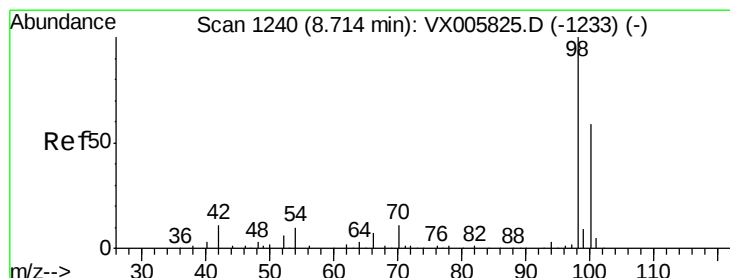
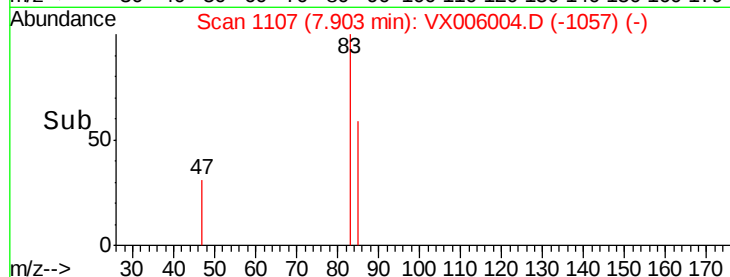
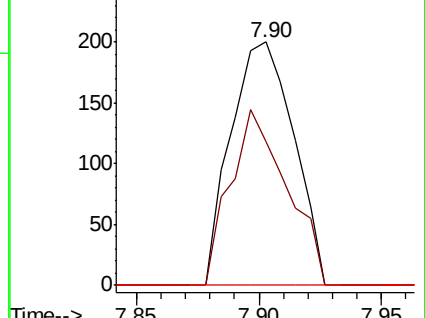
127 0.0 6.9 10.3#



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: 47.125 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006004.D

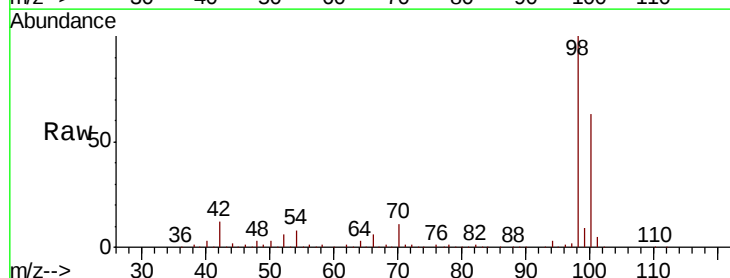
Acq: 15 Nov 2018 05:26

Tgt Ion: 98 Resp: 218148

Ion Ratio Lower Upper

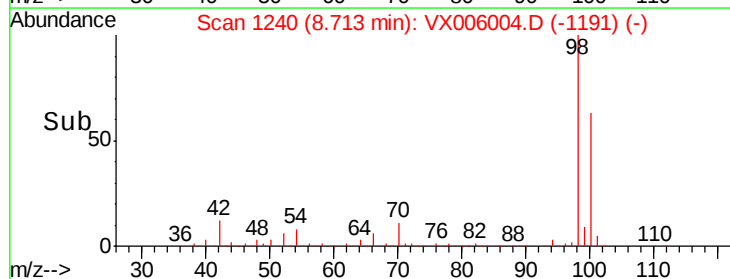
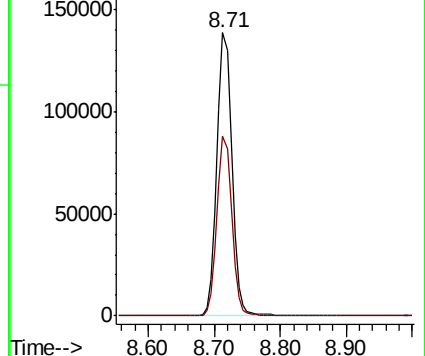
98 100

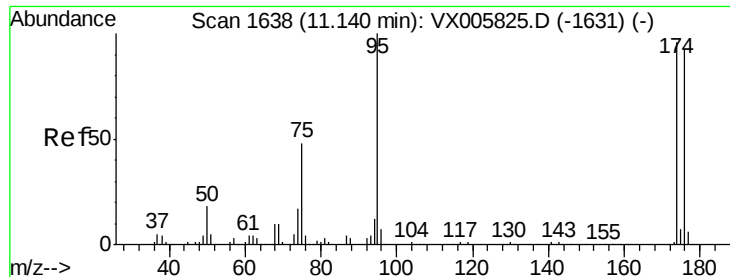
100 62.8 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.478 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX006004.D

Acq: 15 Nov 2018 05:26

Instrument :

MSVOA_X

ClientSampleId :

EP2-SB-111(14-16)ME

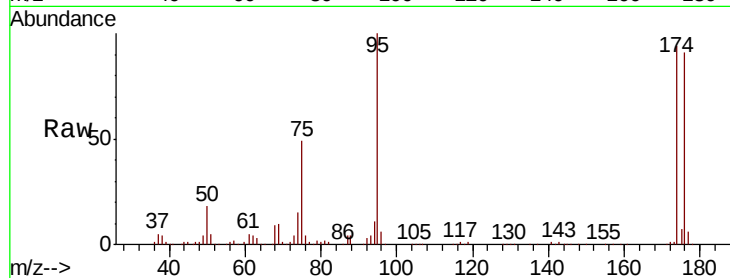
Tot Ion: 95 Resp: 75692

Ion Ratio Lower Upper

95 100

174 91.4 0.0 184.4

176 87.9 0.0 177.4

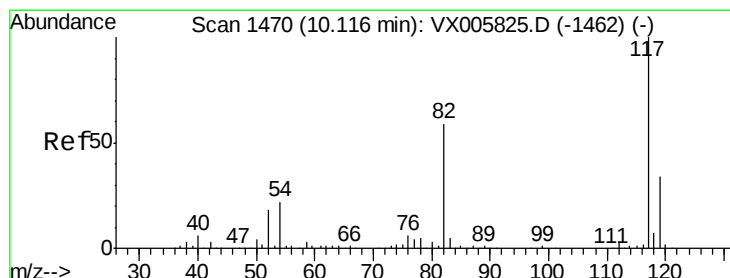
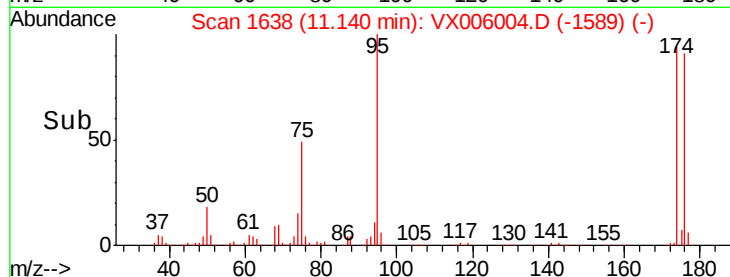


Abundance Ion 94.90 (94.60 to 95.60): VX005825.D (-1631) (-)

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

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

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX006004.D

Acq: 15 Nov 2018 05:26

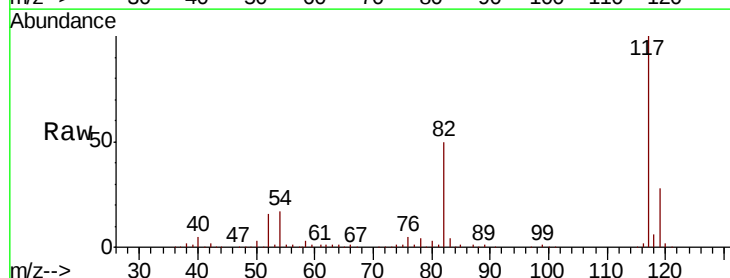
Tgt Ion: 117 Resp: 183633

Ion Ratio Lower Upper

117 100

82 50.2 44.1 66.1

119 28.1 26.2 39.2

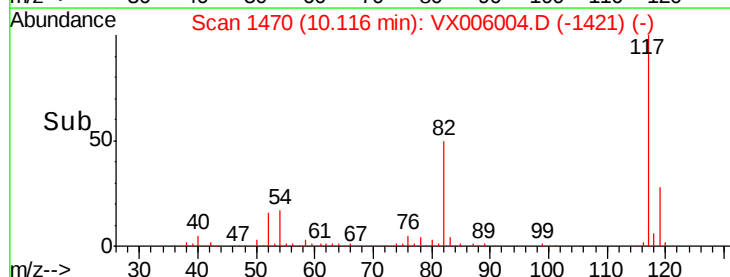


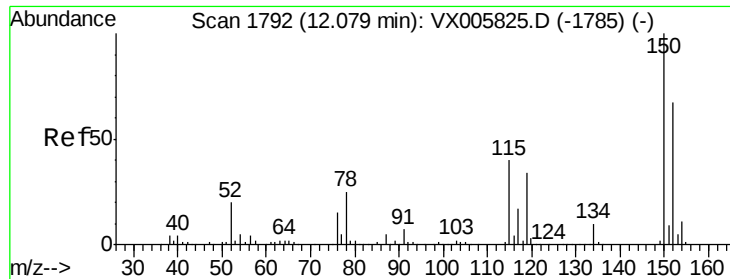
Abundance Ion 116.90 (116.60 to 117.60): VX005825.D (-1462) (-)

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

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

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006004.D

Acq: 15 Nov 2018 05:26

Instrument :

MSVOA_X

ClientSampleId :

EP2-SB-111(14-16)ME

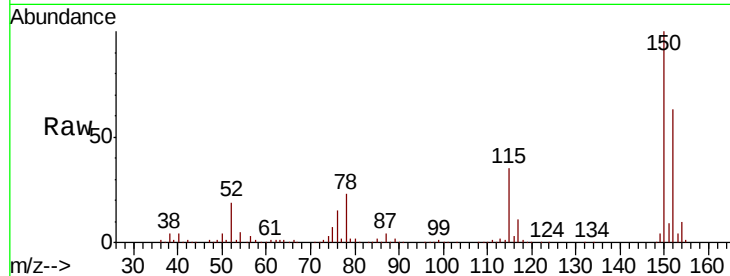
Tot Ion:152 Resp: 82109

Ion Ratio Lower Upper

152 100

115 55.9 39.4 118.1

150 156.8 0.0 346.4

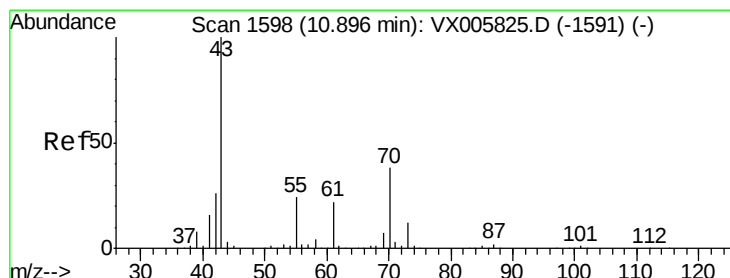
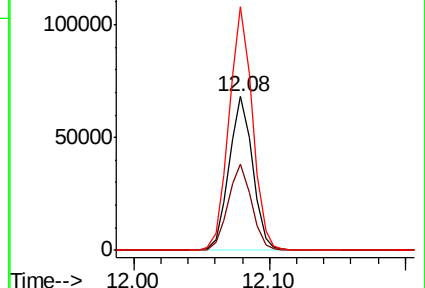
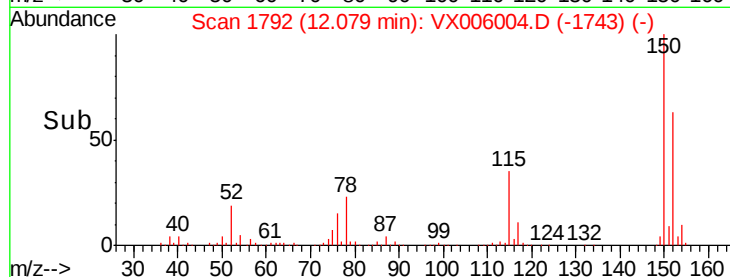


Abundance

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



#74

N-ethyl acetate

Concen: 1.258 ug/l

RT: 10.83 min Scan# 1587

Delta R.T. -0.07 min

Lab File: VX006004.D

Acq: 15 Nov 2018 05:26

Tgt Ion: 43 Resp: 20

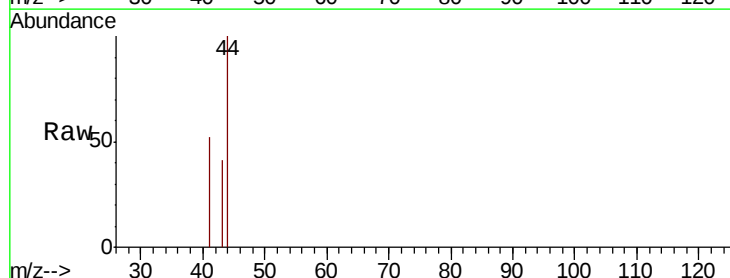
Ion Ratio Lower Upper

43 100

70 0.0 31.6 47.4#

55 0.0 19.7 29.5#

61 0.0 18.3 27.5#



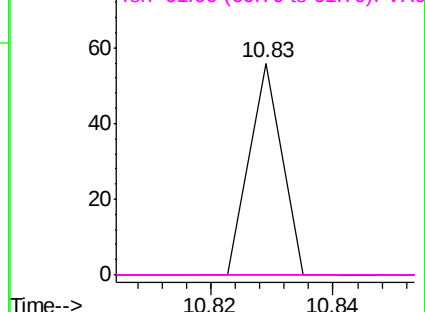
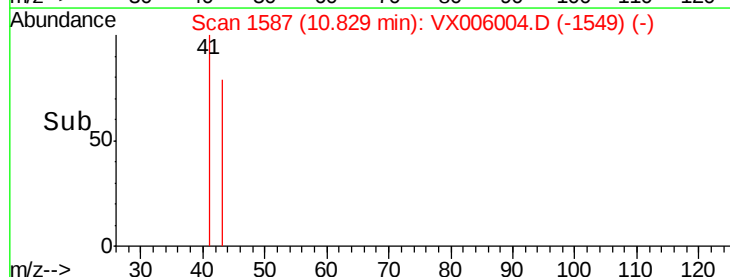
Abundance

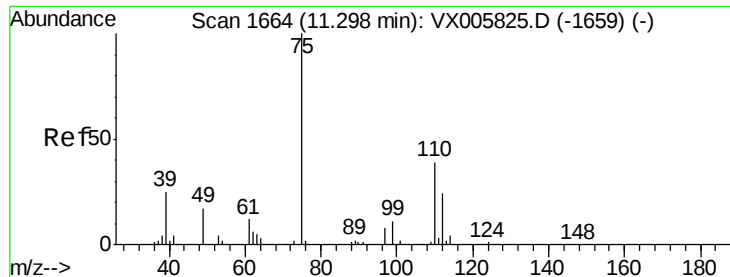
Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

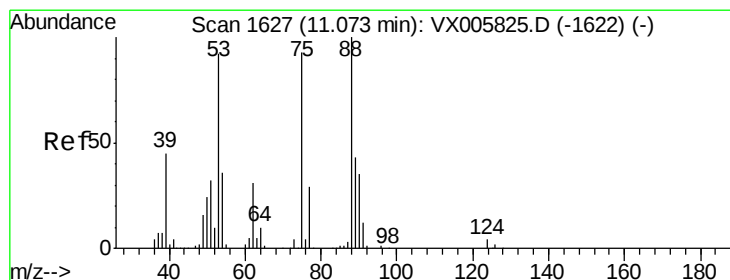
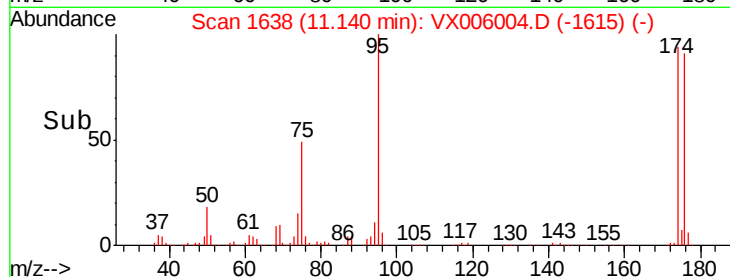
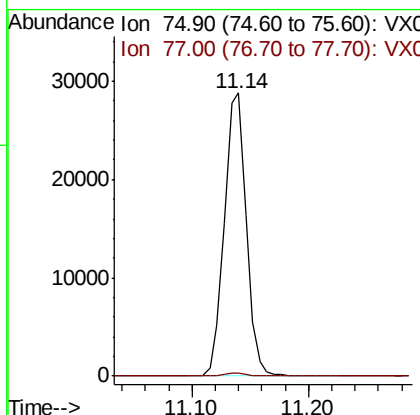
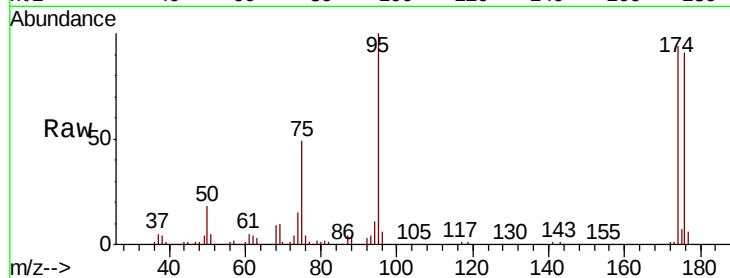




#76
 1,2,3-Trichloropropane
 Concen: 22.508 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX006004.D
 Acq: 15 Nov 2018 05:26

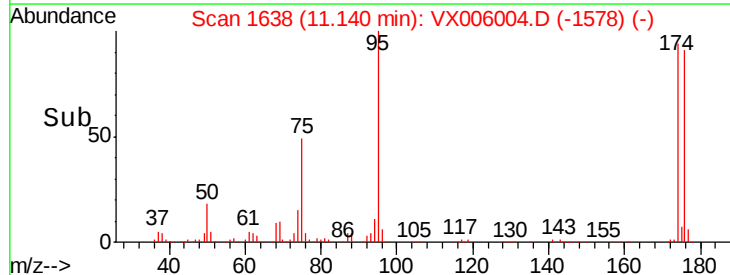
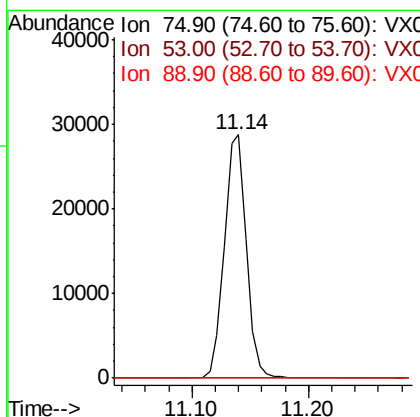
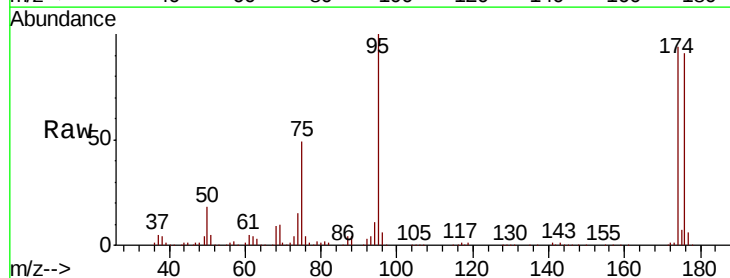
Instrument :
 MSVOA_X
 ClientSampleId :
 EP2-SB-111(14-16)ME

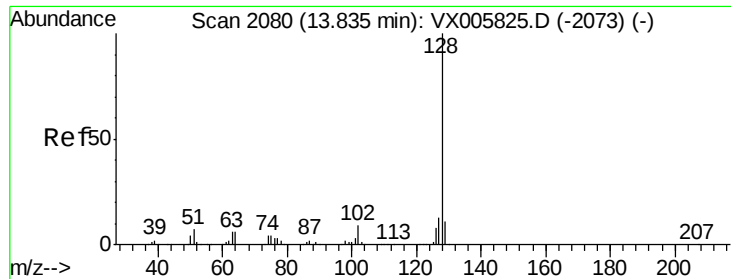
Tot Ion: 75 Resp: 37632
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.5 61.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.738 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.07 min
 Lab File: VX006004.D
 Acq: 15 Nov 2018 05:26

Tgt Ion: 75 Resp: 37632
 Ion Ratio Lower Upper
 75 100
 53 0.1 80.2 120.2#
 89 0.0 39.8 59.8#





#95

Naphthalene

Concen: 1.234 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006004.D

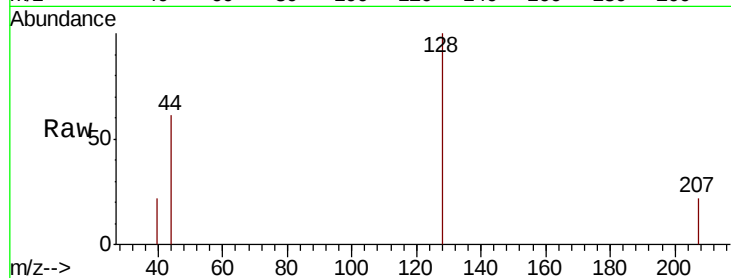
Acq: 15 Nov 2018 05:26

Instrument :

MSVOA_X

ClientSampleId :

EP2-SB-111(14-16)ME



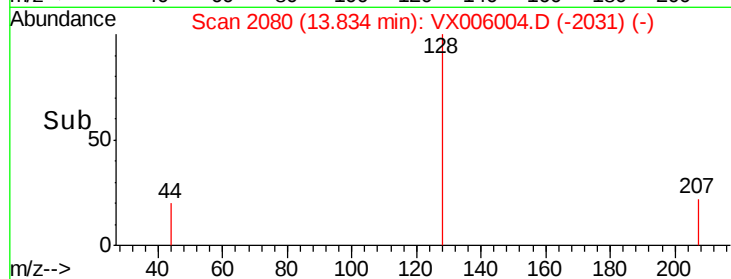
Tot Ion:128 Resp: 340

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

