

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100118\
 Data File : VX004864.D
 Acq On : 01 Oct 2018 12:21
 Operator : JC/MD
 Sample : J5135-21
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EB03-20180926

Quant Time: Oct 02 02:38:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	224007	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	360906	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	353392	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	192810	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	171517	53.60	ug/l	0.00
Spiked Amount			Recovery	=	107.20%	
35) Dibromofluoromethane	5.50	113	144734	47.32	ug/l	0.00
Spiked Amount			Recovery	=	94.64%	
50) Toluene-d8	8.72	98	524530	51.58	ug/l	0.00
Spiked Amount			Recovery	=	103.16%	
62) 4-Bromofluorobenzene	11.14	95	186663	50.95	ug/l	0.00
Spiked Amount			Recovery	=	101.90%	

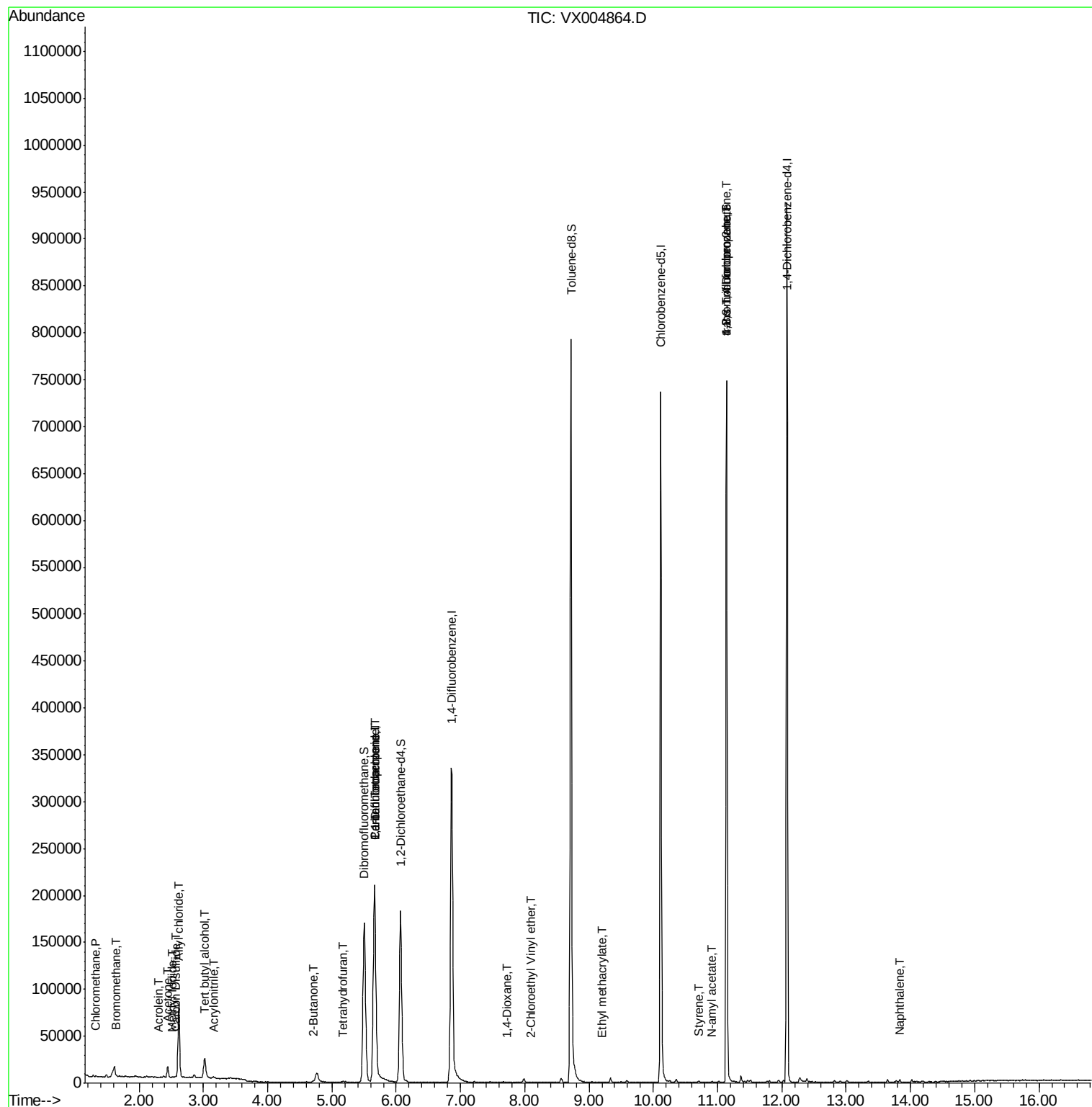
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	786	0.212	ug/l #	87
5) Bromomethane	1.64	94	707	0.343	ug/l	89
6) Chloroethane	1.69	64	411	Below Cal	#	44
10) Methyl Iodide	2.51	142	934	0.285	ug/l #	90
11) Tert butyl alcohol	3.02	59	14388	16.081	ug/l #	77
13) Acrolein	2.30	56	360	0.566	ug/l #	45
14) Allyl chloride	2.62	41	7562	1.428	ug/l #	64
15) Acrylonitrile	3.15	53	757	0.384	ug/l #	93
16) Acetone	2.45	43	11921	6.381	ug/l	97
17) Carbon Disulfide	2.57	76	2019	0.277	ug/l #	82
20) Methylene Chloride	2.86	84	1053	Below Cal	#	89
25) 2-Butanone	4.71	43	2464	0.895	ug/l #	88
29) Tetrahydrofuran	5.17	42	779	0.455	ug/l #	64
36) 1,1-Dichloropropene	5.66	75	15707	3.764	ug/l #	49
38) Carbon Tetrachloride	5.67	117	20099	4.582	ug/l #	14
49) 1,4-Dioxane	7.72	88	20	0.222	ug/l #	1
56) Ethyl methacrylate	9.19	69	21	2.866	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.09	63	19	14.249	ug/l #	45
70) Styrene	10.72	104	361	2.176	ug/l #	77
74) N-amyl acetate	10.90	43	214	1.779	ug/l #	66
76) 1,2,3-Trichloropropane	11.14	75	92430	21.388	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	585	Below Cal		98
81) trans-1,4-Dichloro-2-buten	11.14	75	92430	58.002	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	844	Below Cal		92
95) Naphthalene	13.83	128	1468	0.810	ug/l #	95

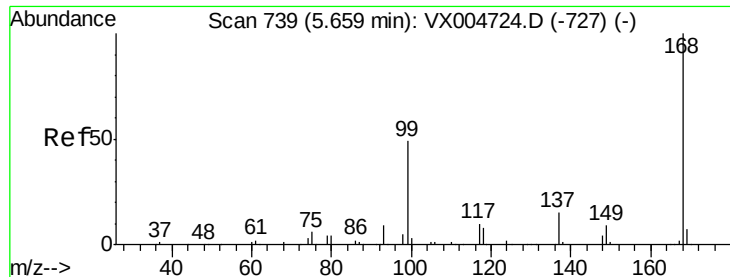
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Time: Oct 02 02:38:20 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 26 14:17:02 2018
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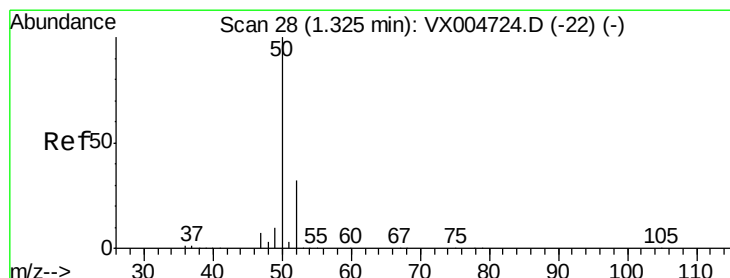
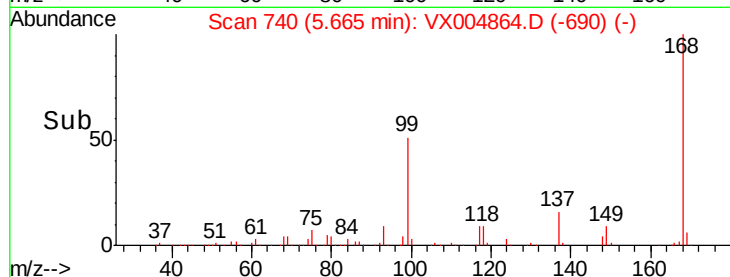
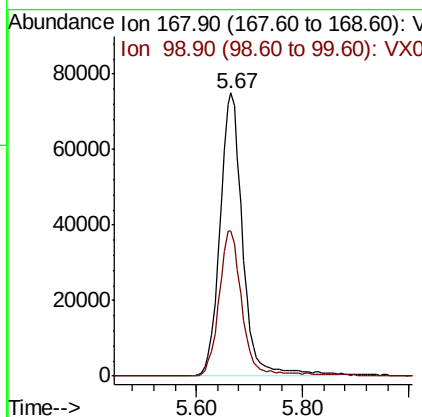
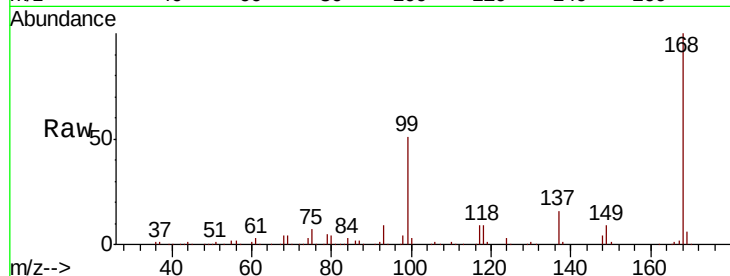




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX004864.D
Acq: 01 Oct 2018 12:21

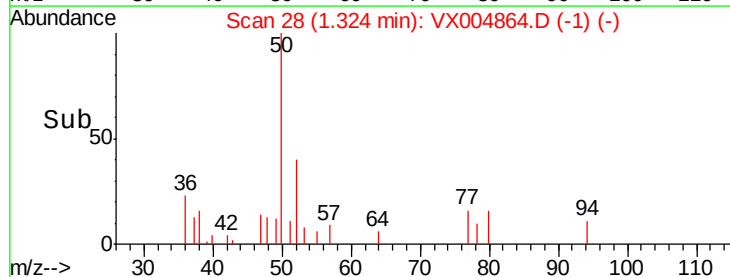
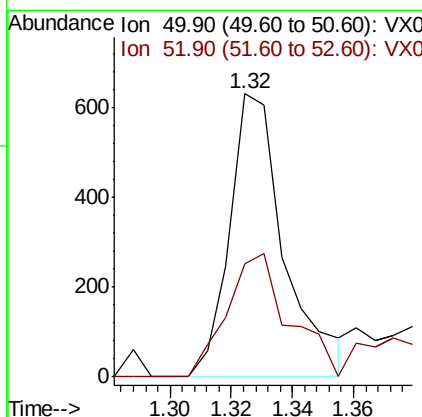
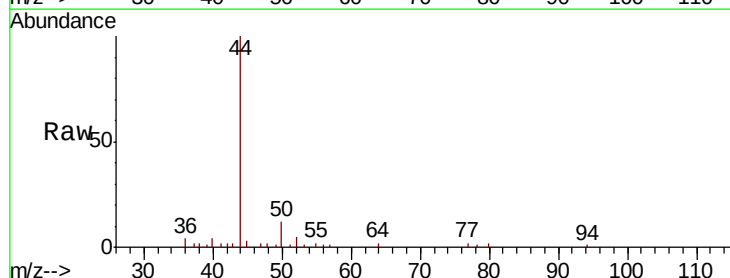
Instrument :
MSVOA_X
ClientSampleId :
EB03-20180926

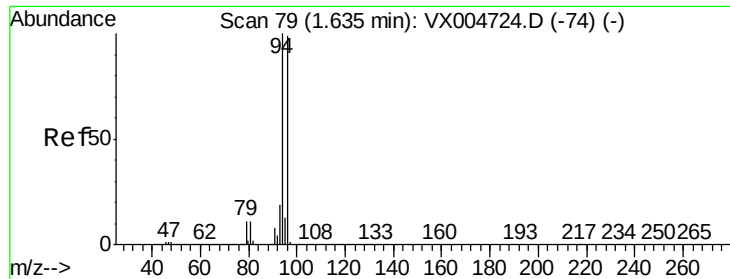
Tot Ion:168 Resp: 224007
Ion Ratio Lower Upper
168 100
99 51.3 39.9 59.9



#3
Chloromethane
Concen: 0.212 ug/l
RT: 1.32 min Scan# 28
Delta R.T. -0.00 min
Lab File: VX004864.D
Acq: 01 Oct 2018 12:21

Tgt Ion: 50 Resp: 786
Ion Ratio Lower Upper
50 100
52 40.1 26.2 39.2#





#5

Bromomethane

Concen: 0.343 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX004864.D

Acq: 01 Oct 2018 12:21

Instrument :

MSVOA_X

ClientSampleId :

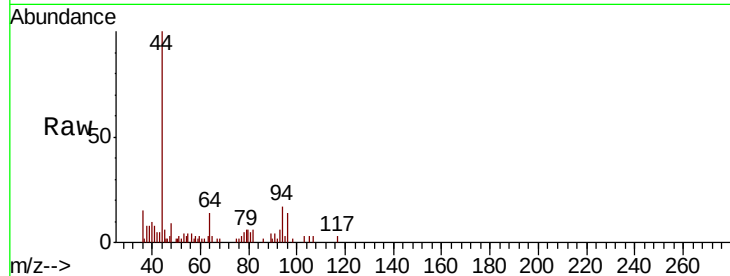
EB03-20180926

Tot Ion: 94 Resp: 707

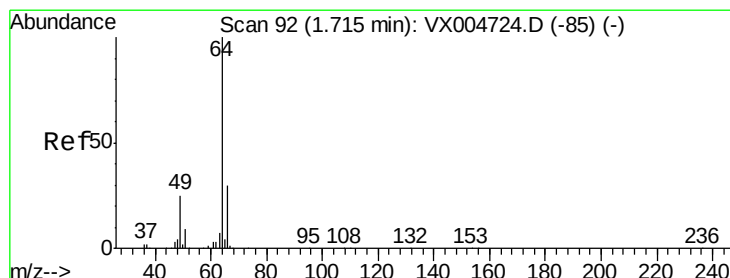
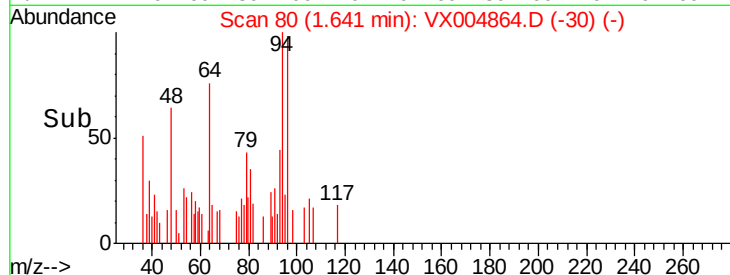
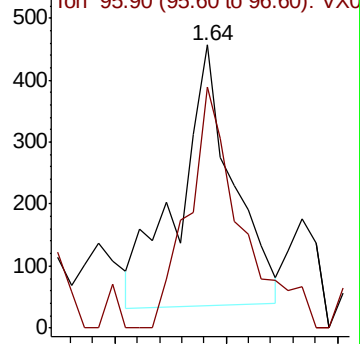
Ion Ratio Lower Upper

94 100

96 103.5 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 88

Delta R.T. -0.02 min

Lab File: VX004864.D

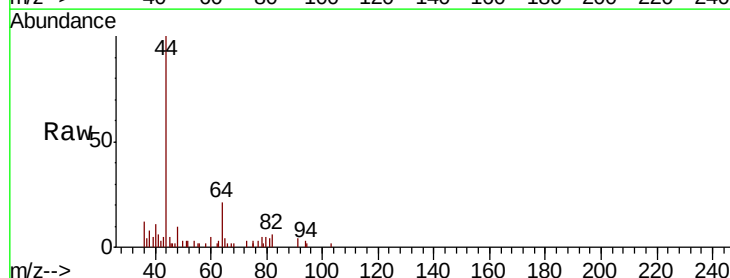
Acq: 01 Oct 2018 12:21

Tgt Ion: 64 Resp: 411

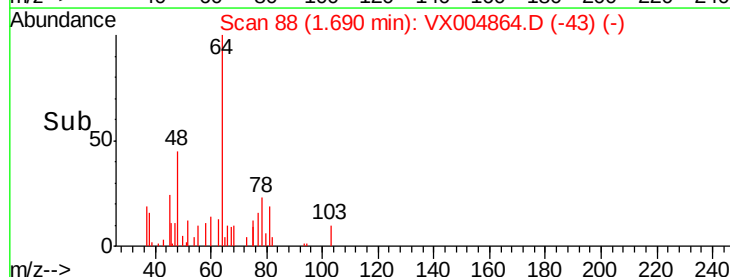
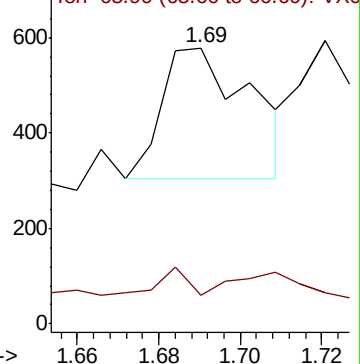
Ion Ratio Lower Upper

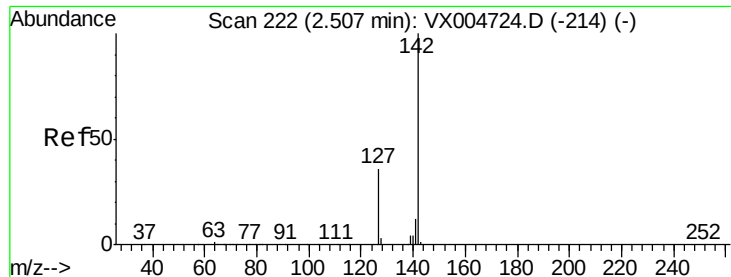
64 100

66 0.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

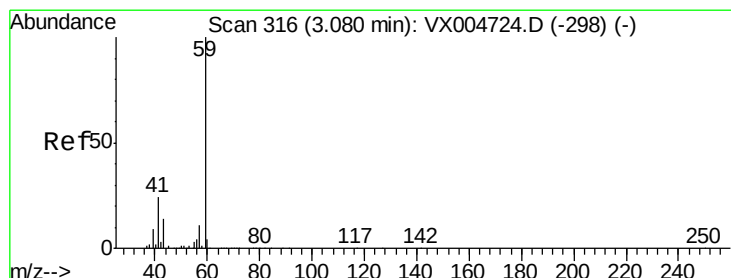
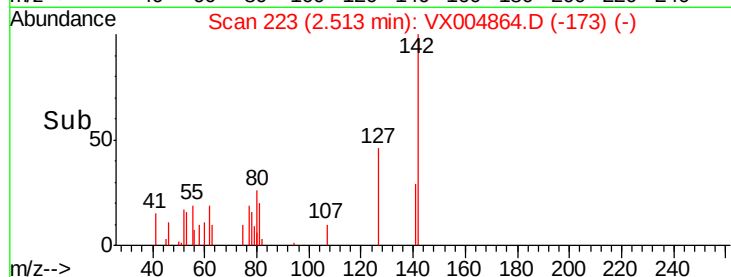
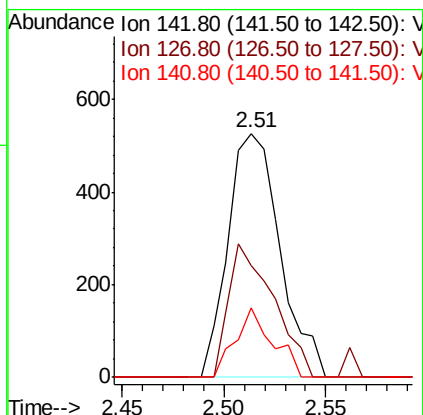
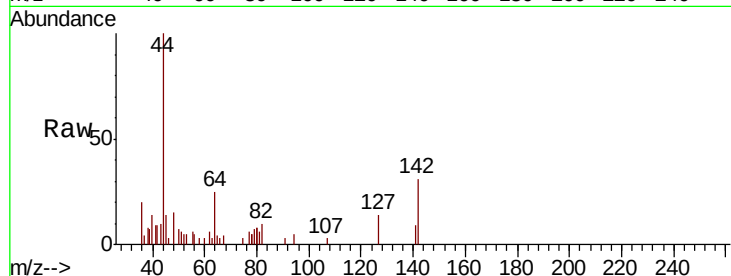




#10
Methvl Iodide
Concen: 0.285 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX004864.D
Acq: 01 Oct 2018 12:21

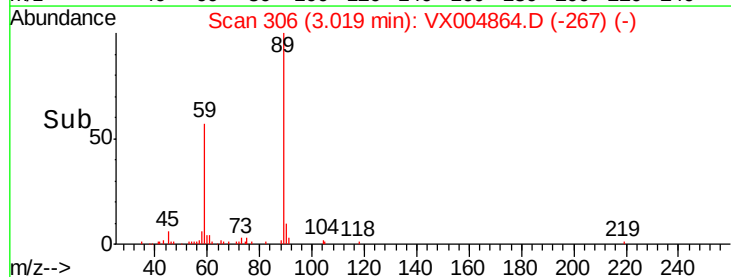
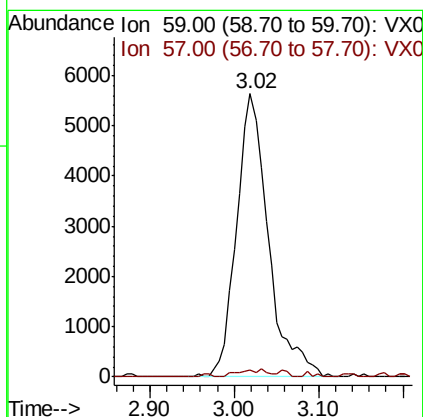
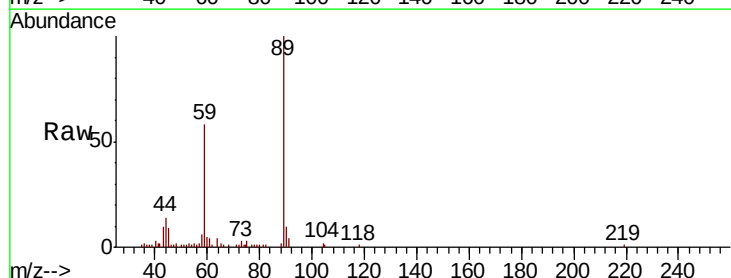
Instrument :
MSVOA_X
ClientSampleId :
EB03-20180926

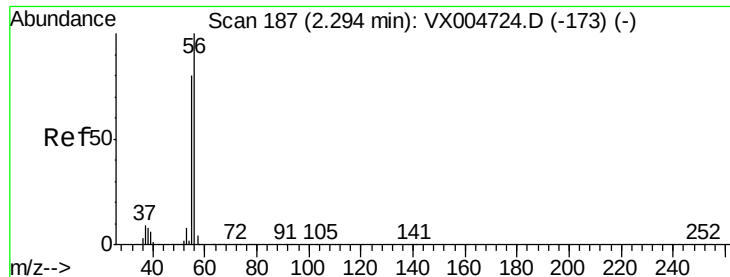
Tot Ion:142 Resp: 934
Ion Ratio Lower Upper
142 100
127 47.1 33.8 50.6
141 20.2 11.4 17.0#



#11
Tert butyl alcohol
Concen: 16.081 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX004864.D
Acq: 01 Oct 2018 12:21

Tgt Ion: 59 Resp: 14388
Ion Ratio Lower Upper
59 100
57 1.6 8.2 12.4#





#13

Acrolein

Concen: 0.566 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX004864.D

Acq: 01 Oct 2018 12:21

Instrument :

MSVOA_X

ClientSampleId :

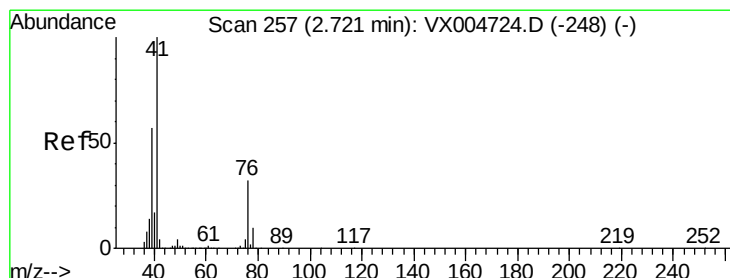
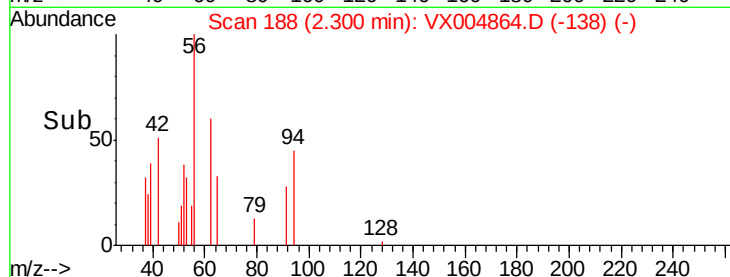
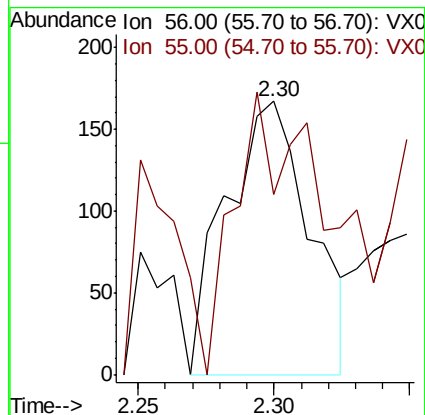
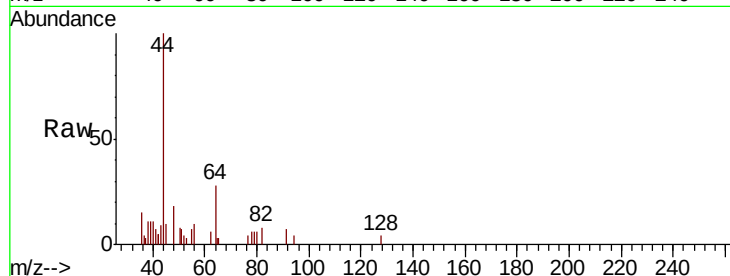
EB03-20180926

Tot Ion: 56 Resp: 360

Ion Ratio Lower Upper

56 100

55 113.3 54.7 82.1#



#14

Allyl chloride

Concen: 1.428 ug/l

RT: 2.62 min Scan# 240

Delta R.T. -0.10 min

Lab File: VX004864.D

Acq: 01 Oct 2018 12:21

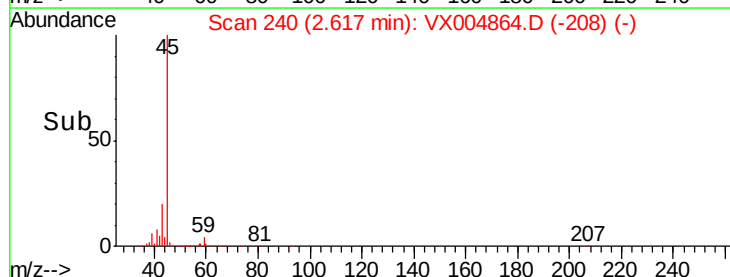
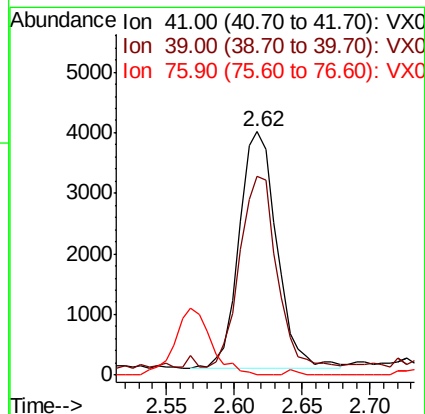
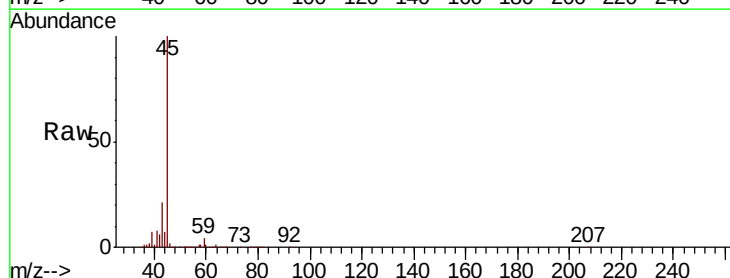
Tgt Ion: 41 Resp: 7562

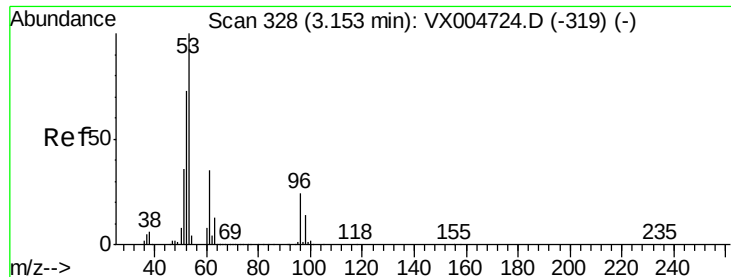
Ion Ratio Lower Upper

41 100

39 79.6 48.9 73.3#

76 0.0 26.7 40.1#





#15

Acrylonitrile

Concen: 0.384 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX004864.D

Acq: 01 Oct 2018 12:21

Instrument :

MSVOA_X

ClientSampleId :

EB03-20180926

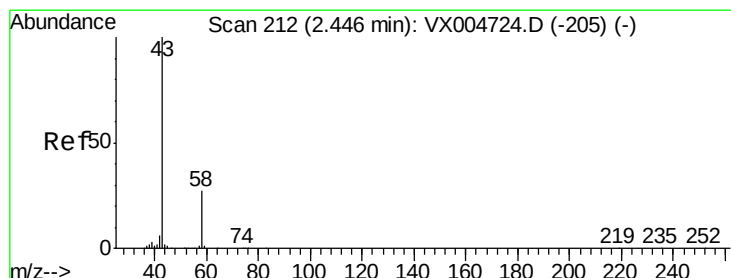
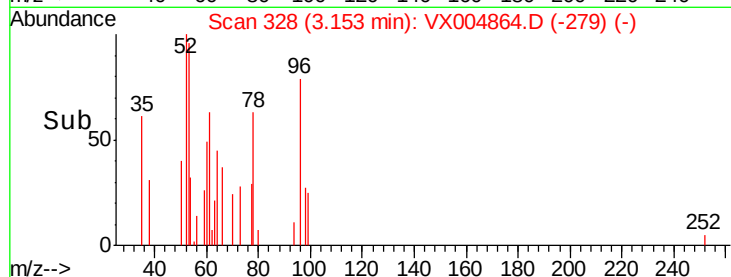
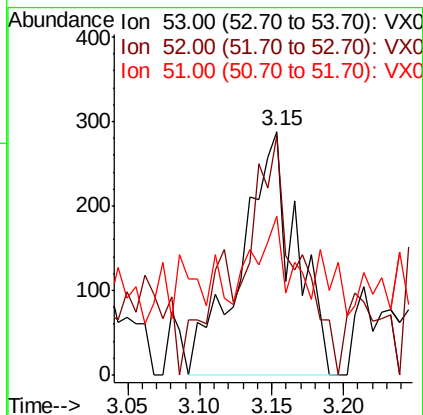
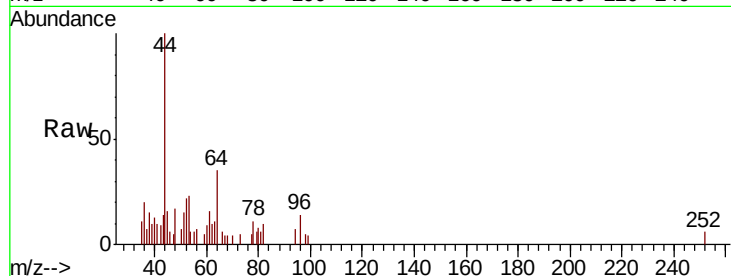
Tot Ion: 53 Resp: 757

Ion Ratio Lower Upper

53 100

52 79.7 65.2 97.8

51 23.9 28.2 42.2#



#16

Acetone

Concen: 6.381 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004864.D

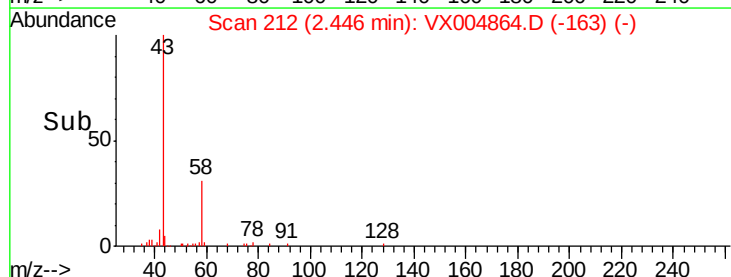
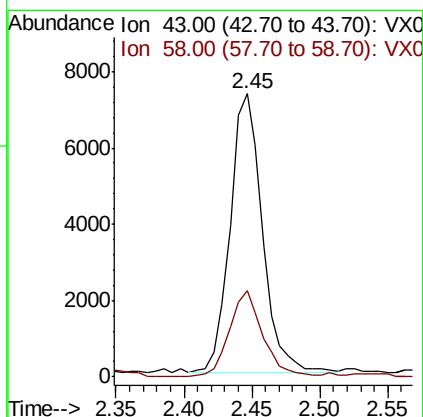
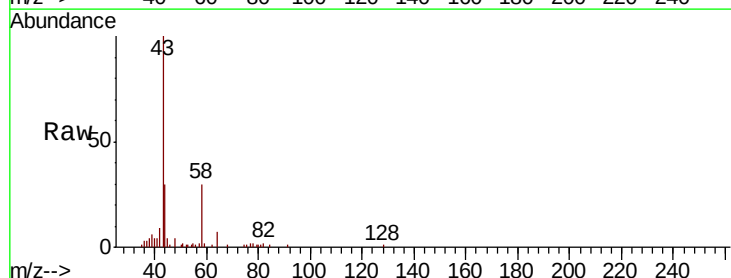
Acq: 01 Oct 2018 12:21

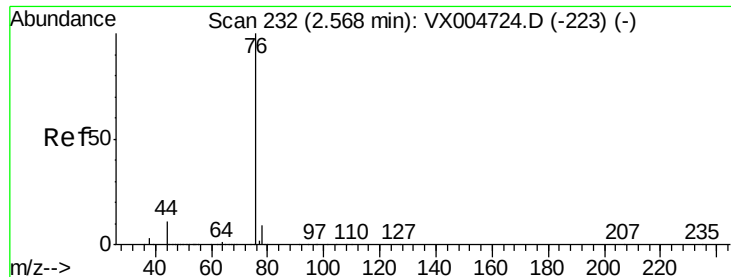
Tgt Ion: 43 Resp: 11921

Ion Ratio Lower Upper

43 100

58 31.0 26.2 39.4





#17

Carbon Disulfide

Concen: 0.277 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX004864.D

Acq: 01 Oct 2018 12:21

Instrument :

MSVOA_X

ClientSampleId :

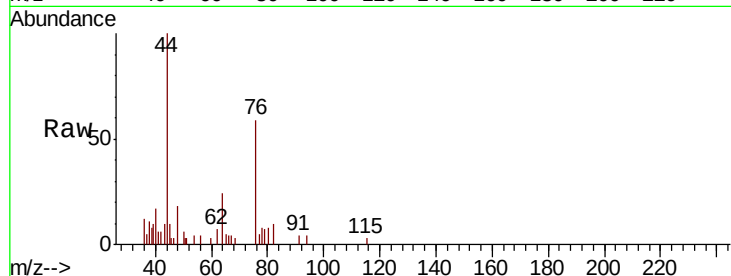
EB03-20180926

Tot Ion: 76 Resp: 2019

Ion Ratio Lower Upper

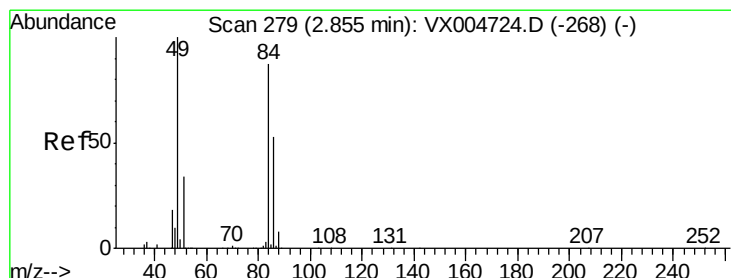
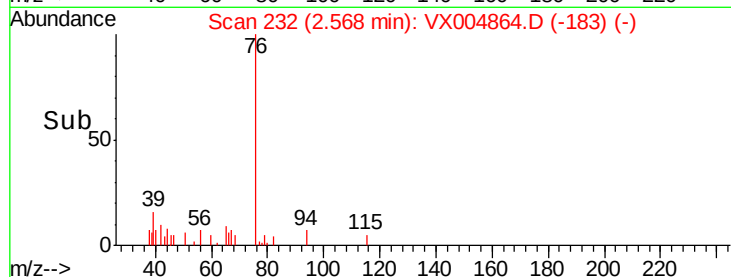
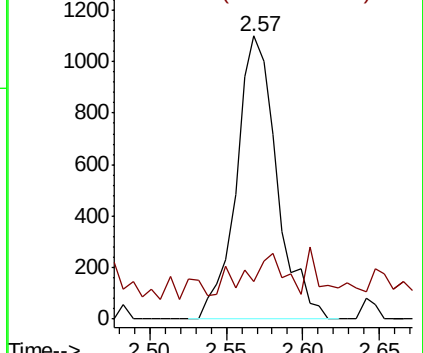
76 100

78 2.3 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX004864.D

Acq: 01 Oct 2018 12:21

Tgt Ion: 84 Resp: 1053

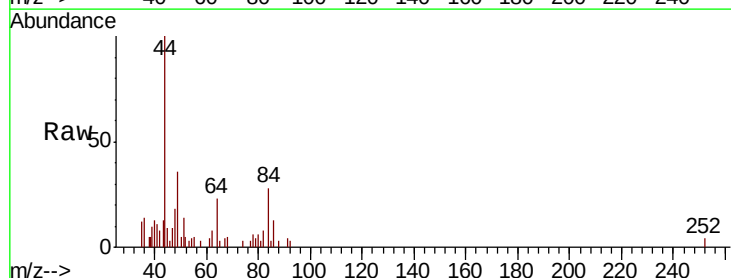
Ion Ratio Lower Upper

84 100

49 117.5 101.2 151.8

51 36.7 29.5 44.3

86 47.1 52.3 78.5#

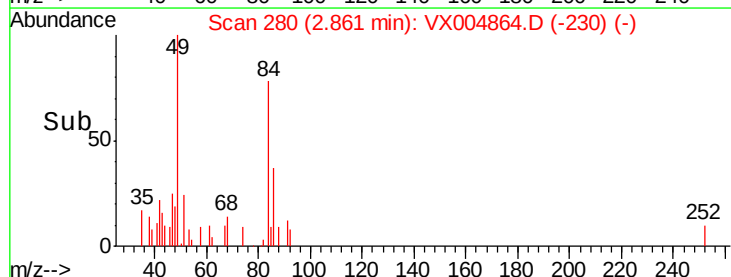
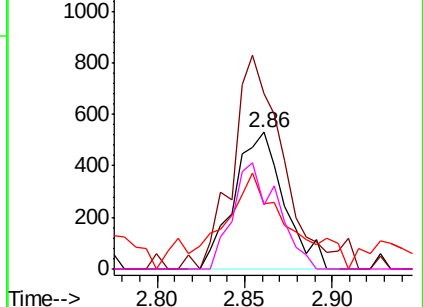


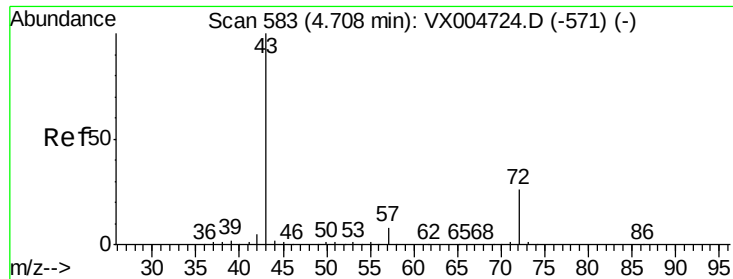
Abundance Ion 83.90 (83.60 to 84.60): VX0

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

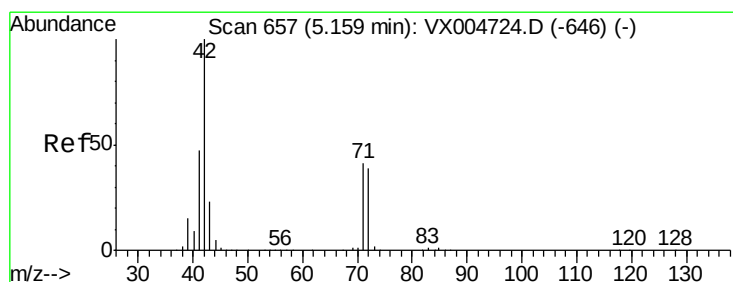
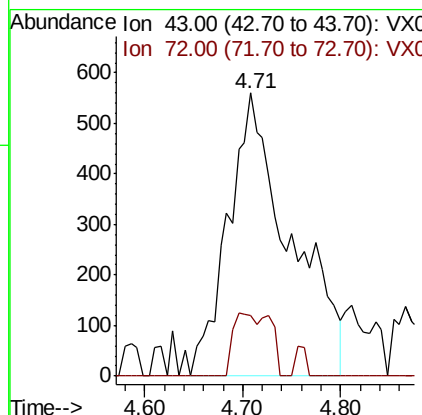
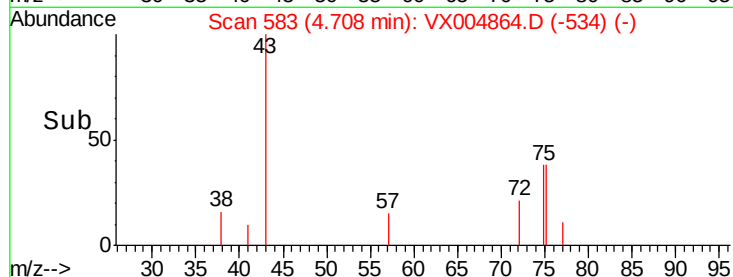
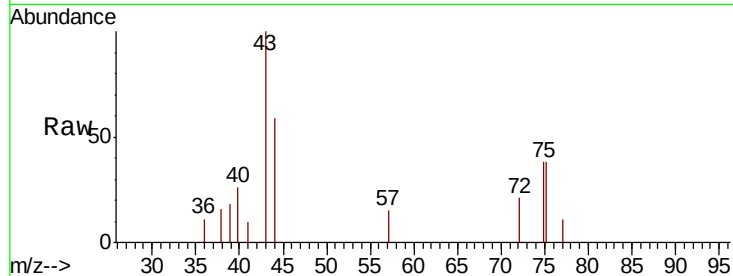




#25
2-Butanone
Concen: 0.895 ug/l
RT: 4.71 min Scan# 583
Delta R.T. -0.00 min
Lab File: VX004864.D
Acq: 01 Oct 2018 12:21

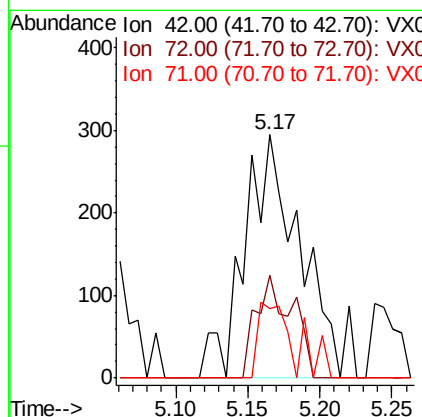
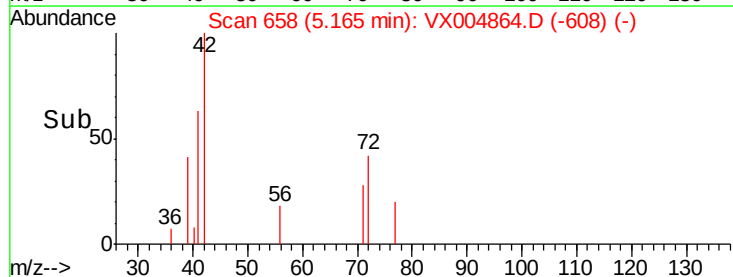
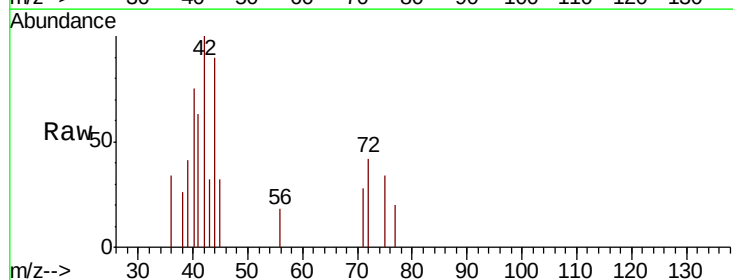
Instrument :
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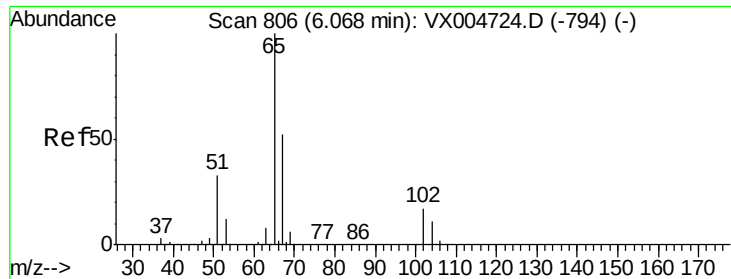
Tot Ion: 43 Resp: 2464
Ion Ratio Lower Upper
43 100
72 21.4 22.0 33.0#



#29
Tetrahydrofuran
Concen: 0.455 ug/l
RT: 5.17 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX004864.D
Acq: 01 Oct 2018 12:21

Tgt Ion: 42 Resp: 779
Ion Ratio Lower Upper
42 100
72 27.9 37.4 56.0#
71 15.0 34.5 51.7#

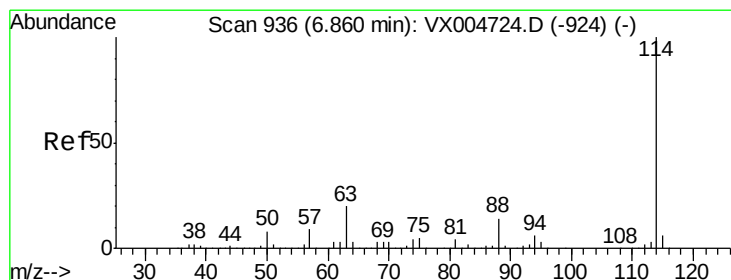
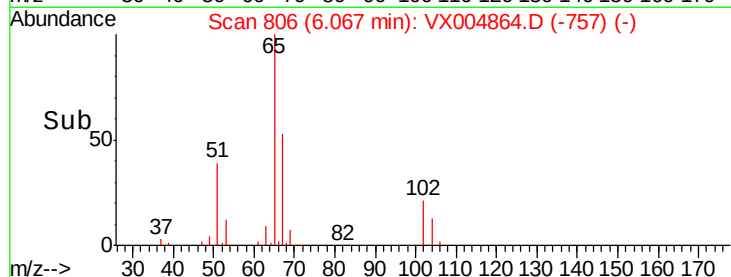
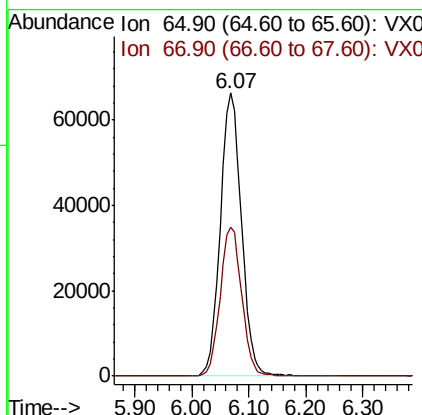
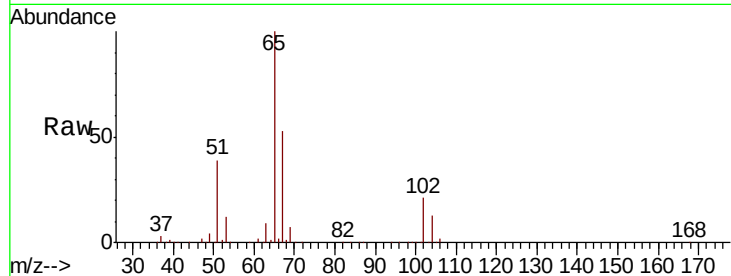




#33
 1,2-Dichloroethane-d4
 Concen: 53.600 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004864.D
 Acq: 01 Oct 2018 12:21

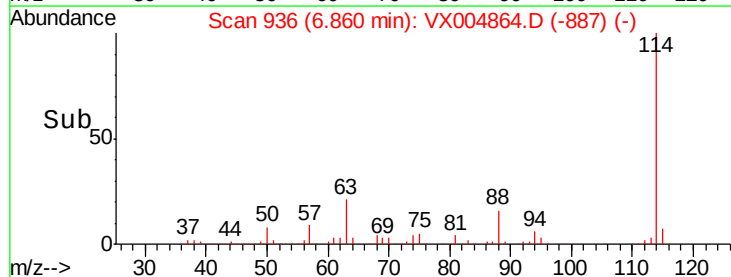
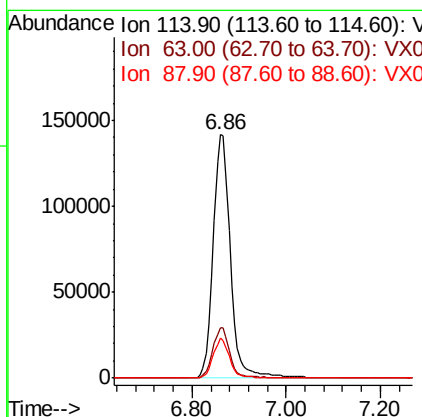
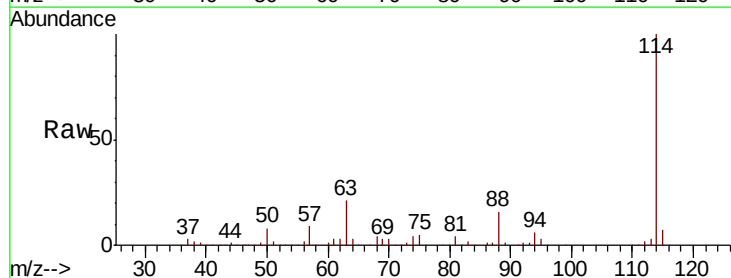
Instrument :
 MSVOA_X
 ClientSampleId :
 EB03-20180926

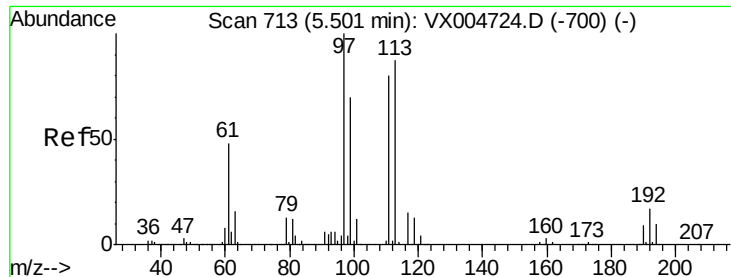
Tot Ion: 65 Resp: 171517
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004864.D
 Acq: 01 Oct 2018 12:21

Tgt Ion: 114 Resp: 360906
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 39.0
 88 16.3 0.0 30.4

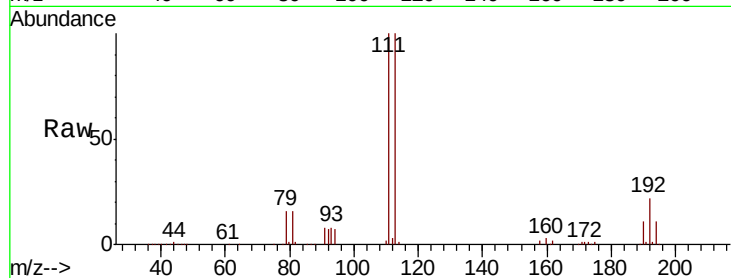




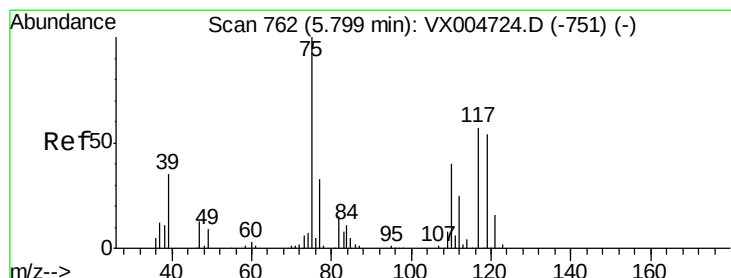
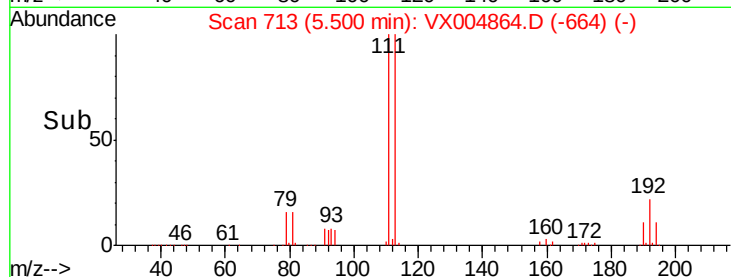
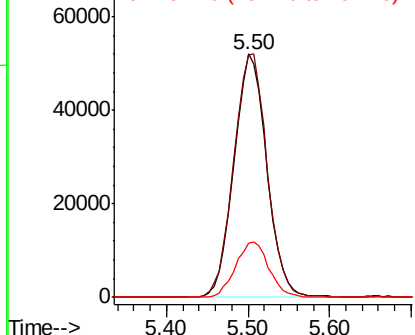
#35
 Dibromofluoromethane
 Concen: 47.318 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004864.D
 Acq: 01 Oct 2018 12:21

Instrument :
 MSVOA_X
 ClientSampleId :
 EB03-20180926

Tot Ion:113 Resp: 144734
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.4 123.6
 192 23.1 19.4 29.2

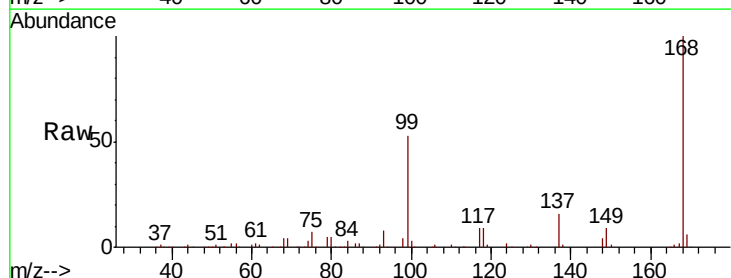


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

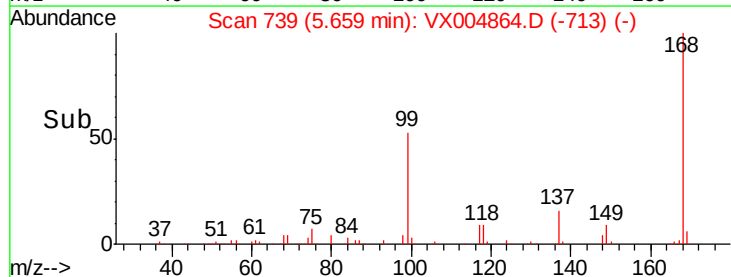
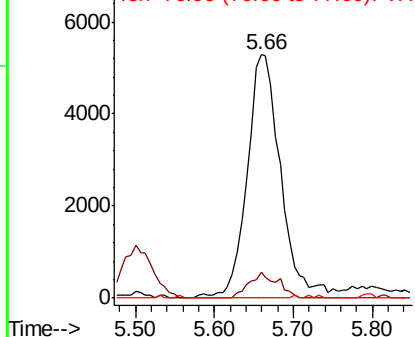


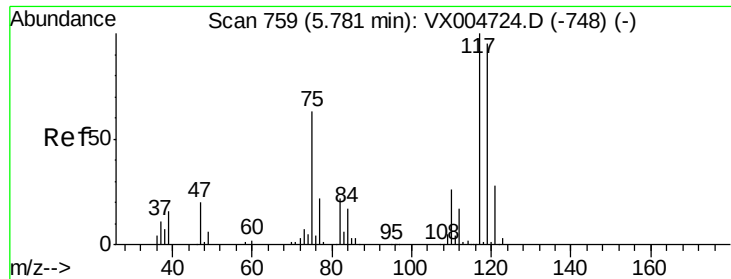
#36
 1,1-Dichloropropene
 Concen: 3.764 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX004864.D
 Acq: 01 Oct 2018 12:21

Tgt Ion: 75 Resp: 15707
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.0 54.0#
 77 0.0 24.6 36.8#



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: 4.582 ug/l

RT: 5.67 min Scan# 741

Delta R.T. -0.11 min

Lab File: VX004864.D

Acq: 01 Oct 2018 12:21

Instrument :

MSVOA_X

ClientSampleId :

EB03-20180926

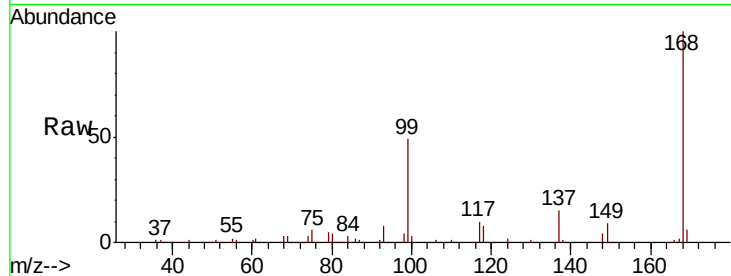
Tot Ion:117 Resp: 20099

Ion Ratio Lower Upper

117 100

119 4.0 78.8 118.2#

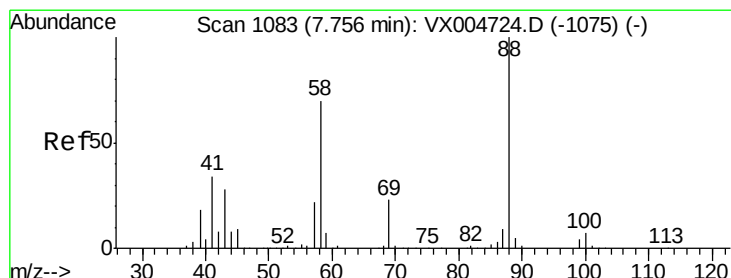
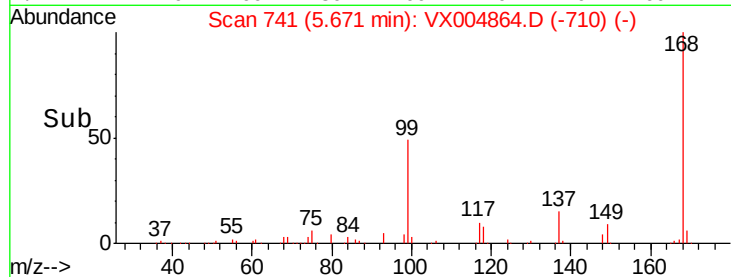
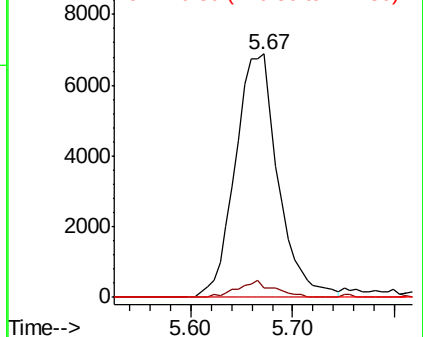
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 0.222 ug/l

RT: 7.72 min Scan# 1077

Delta R.T. -0.04 min

Lab File: VX004864.D

Acq: 01 Oct 2018 12:21

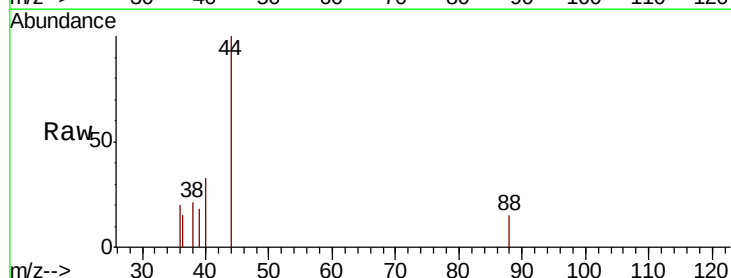
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 505.0 24.7 37.1#

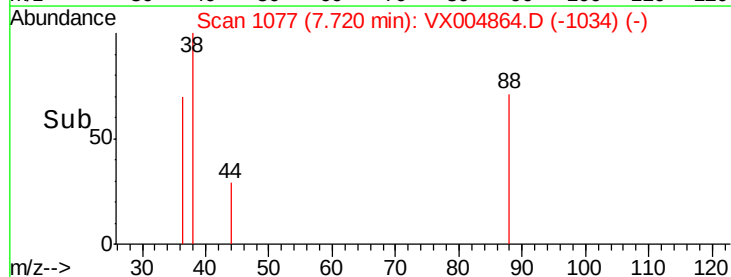
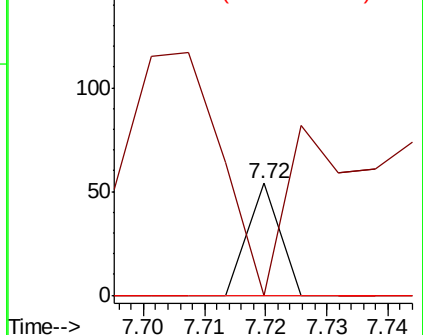
58 0.0 55.3 82.9#

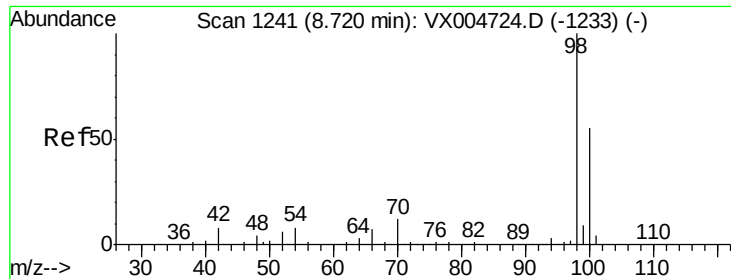


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

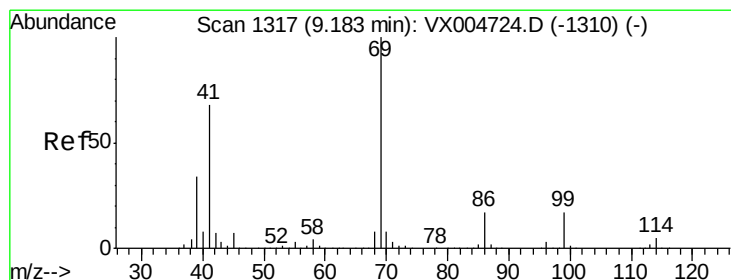
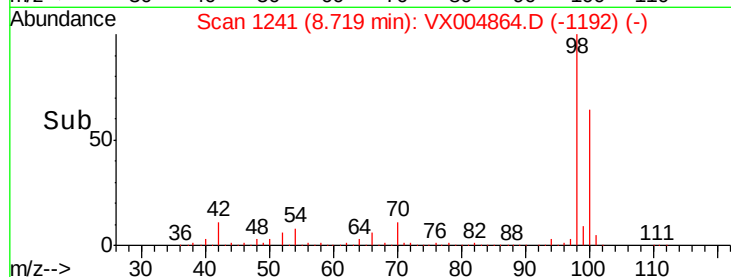
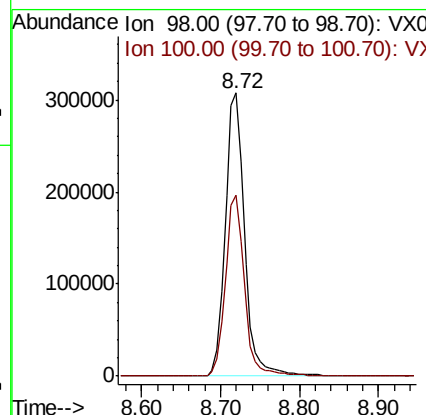
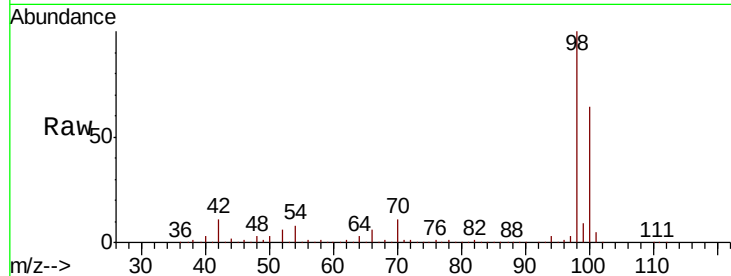




#50
Toluene-d8
Concen: 51.583 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004864.D
Acq: 01 Oct 2018 12:21

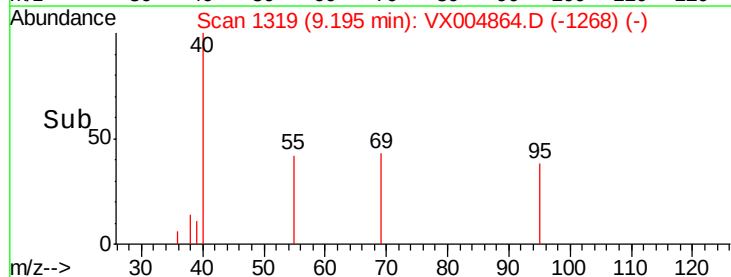
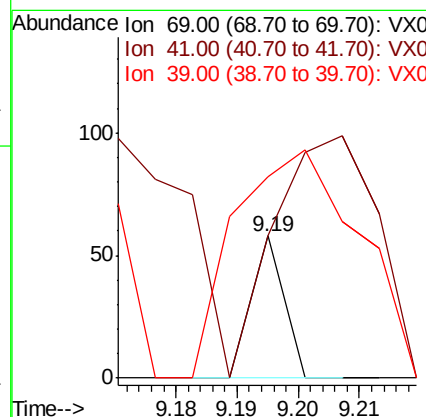
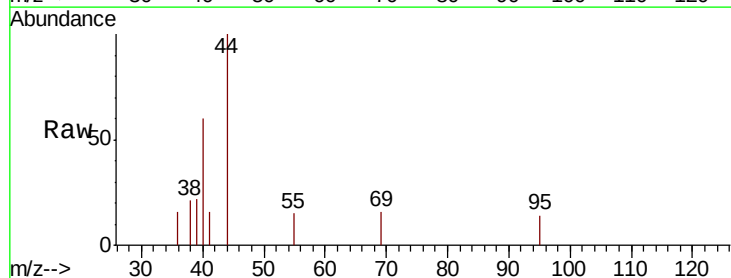
Instrument :
MSVOA_X
ClientSampleId :
EB03-20180926

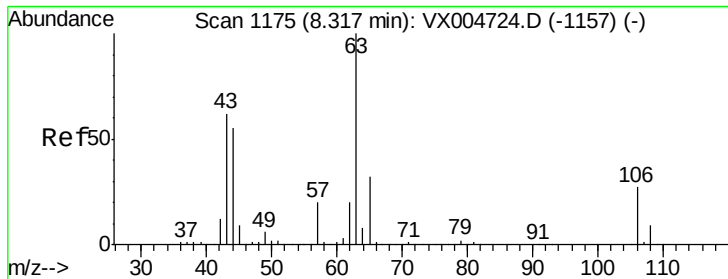
Tot Ion: 98 Resp: 524530
Ion Ratio Lower Upper
98 100
100 63.3 52.9 79.3



#56
Ethyl methacrylate
Concen: 2.866 ug/l
RT: 9.19 min Scan# 1319
Delta R.T. 0.01 min
Lab File: VX004864.D
Acq: 01 Oct 2018 12:21

Tgt Ion: 69 Resp: 21
Ion Ratio Lower Upper
69 100
41 552.4 51.0 76.4#
39 623.8 26.1 39.1#

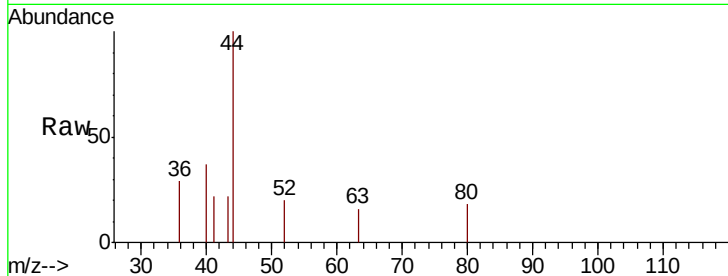




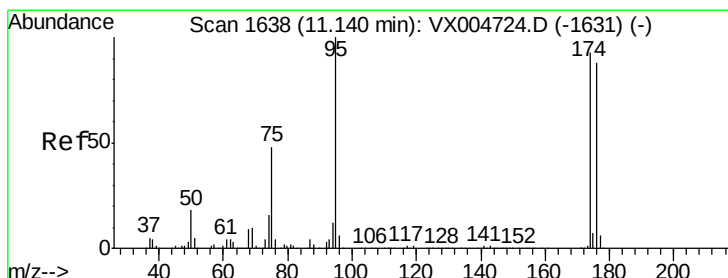
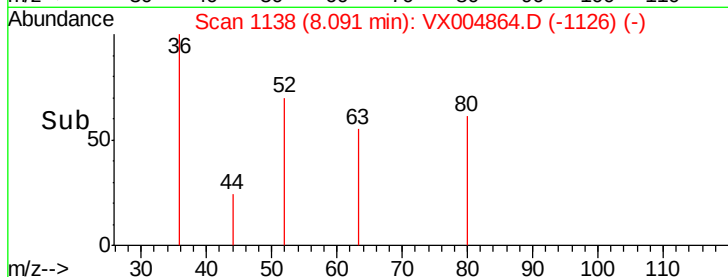
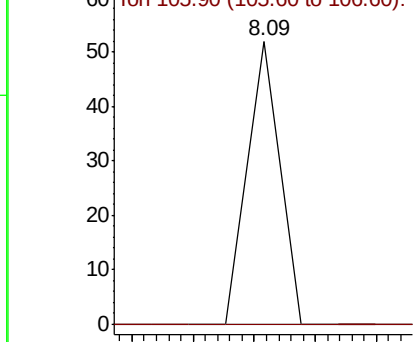
#58
 2-Chloroethyl Vinyl ether
 Concen: 14.249 ug/l
 RT: 8.09 min Scan# 1138
 Delta R.T. -0.23 min
 Lab File: VX004864.D
 Acq: 01 Oct 2018 12:21

Instrument :
 MSVOA_X
 ClientSampleId :
 EB03-20180926

Tot Ion: 63 Resp: 19
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.9 35.9#

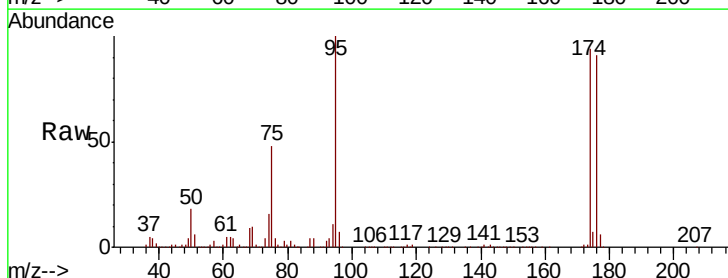


Abundance Ion 62.90 (62.60 to 63.60): VX0
 Ion 105.90 (105.60 to 106.60): V

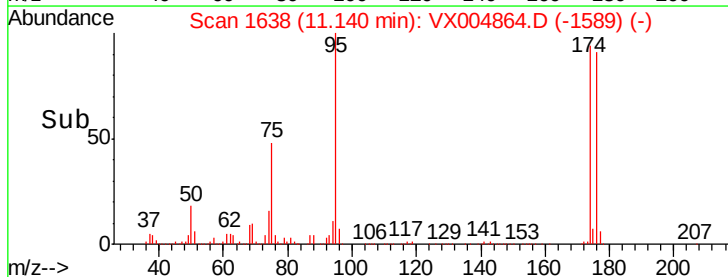
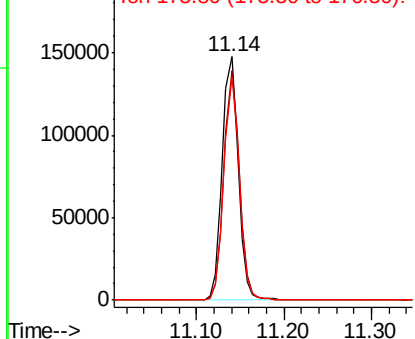


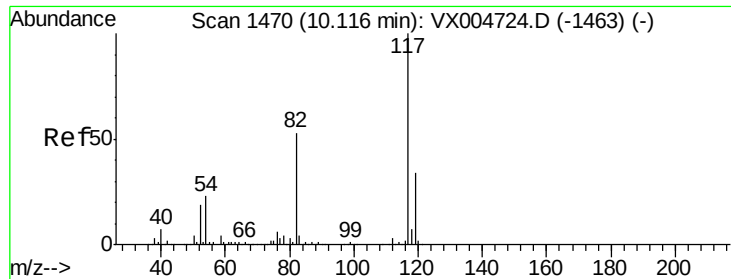
#62
 4-Bromofluorobenzene
 Concen: 50.954 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX004864.D
 Acq: 01 Oct 2018 12:21

Tgt Ion: 95 Resp: 186663
 Ion Ratio Lower Upper
 95 100
 174 91.8 0.0 185.2
 176 88.7 0.0 178.6



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

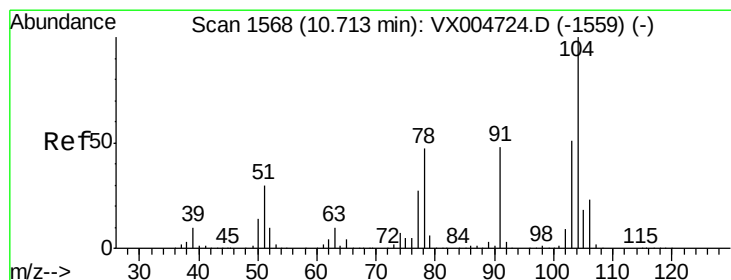
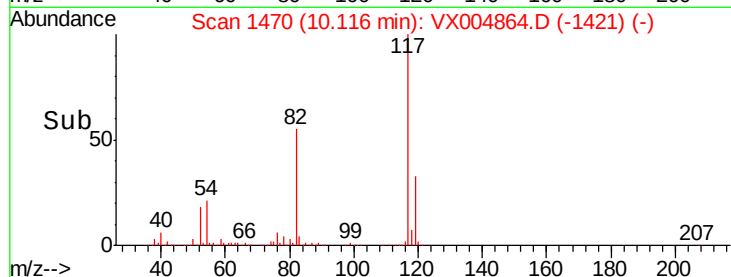
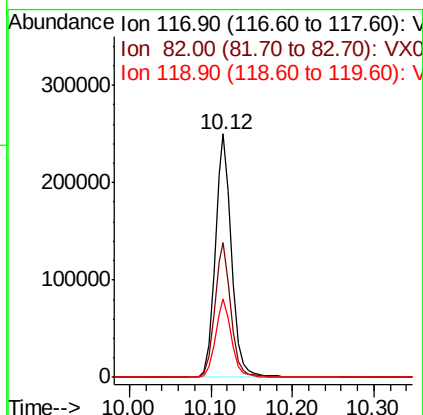
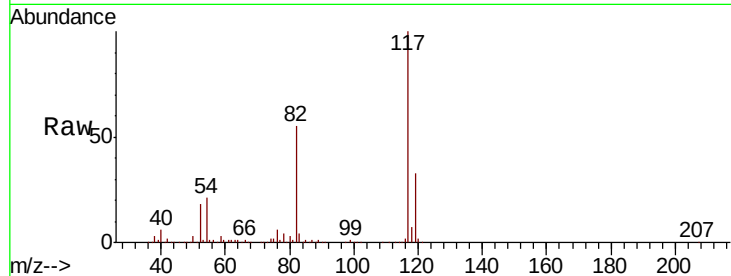




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004864.D
Acq: 01 Oct 2018 12:21

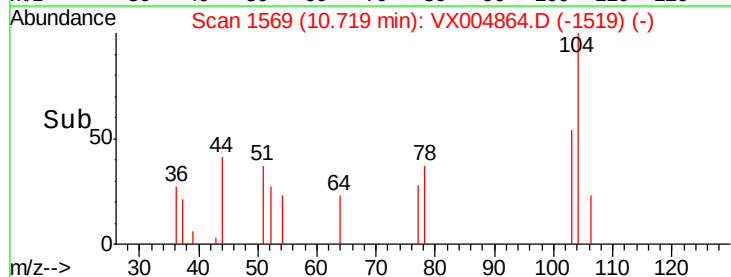
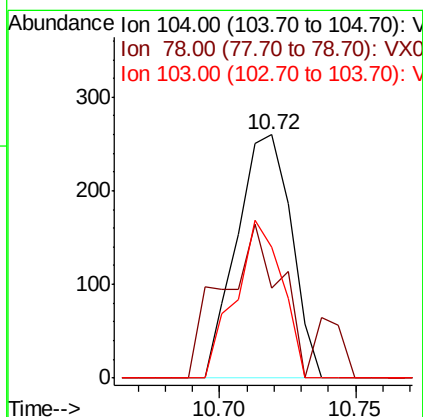
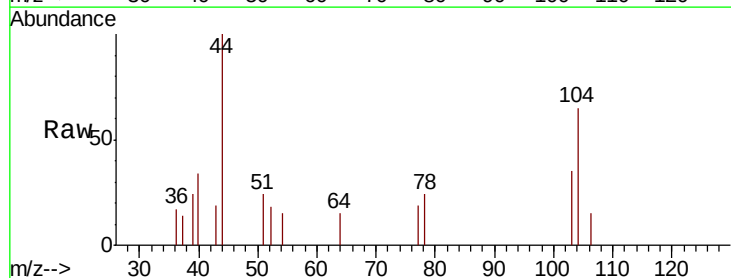
Instrument :
MSVOA_X
ClientSampleId :
EB03-20180926

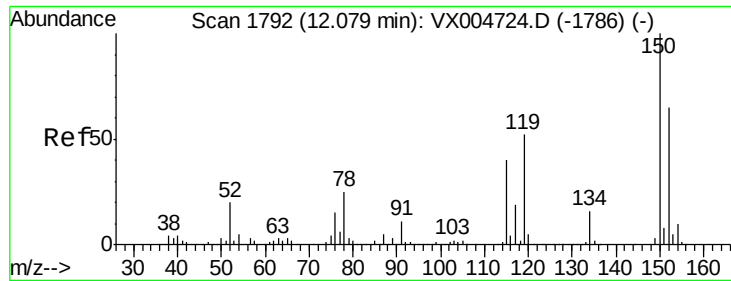
Tot Ion:117 Resp: 353392
Ion Ratio Lower Upper
117 100
82 55.5 47.8 71.6
119 32.5 29.3 43.9



#70
Styrene
Concen: 2.176 ug/l
RT: 10.72 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VX004864.D
Acq: 01 Oct 2018 12:21

Tgt Ion:104 Resp: 361
Ion Ratio Lower Upper
104 100
78 79.2 37.4 56.0#
103 55.4 43.8 65.6



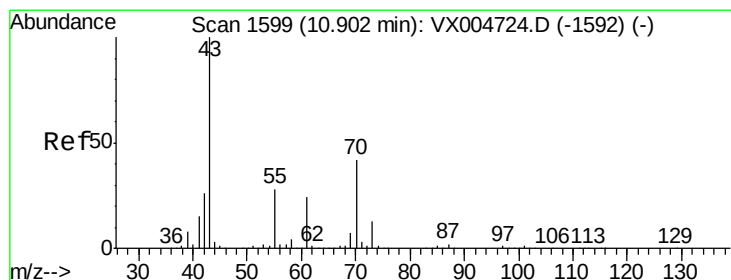
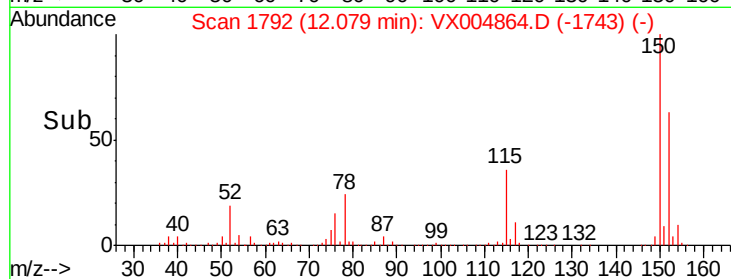
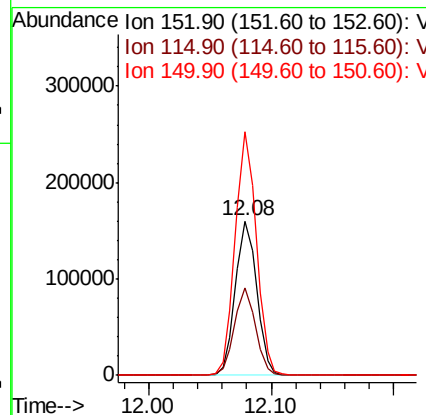
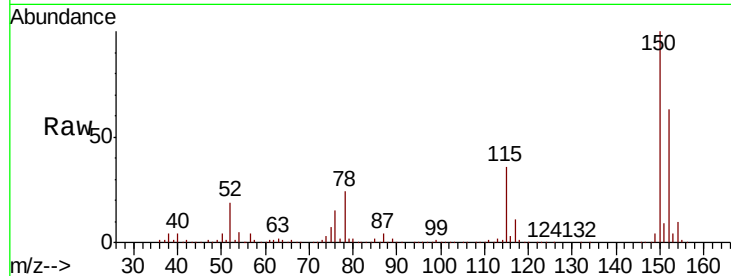


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004864.D
Acq: 01 Oct 2018 12:21

Instrument :
MSVOA_X
ClientSampleId :
EB03-20180926

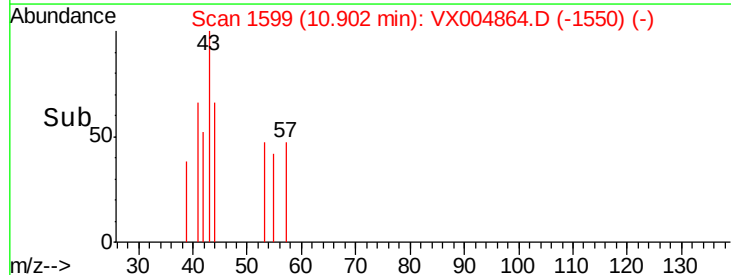
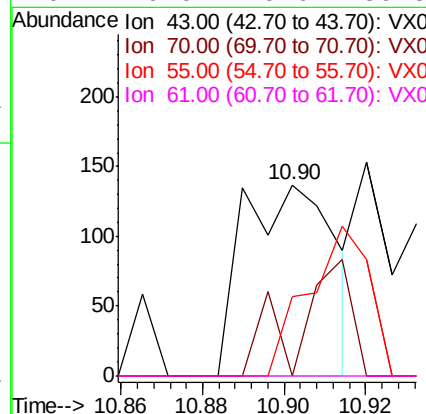
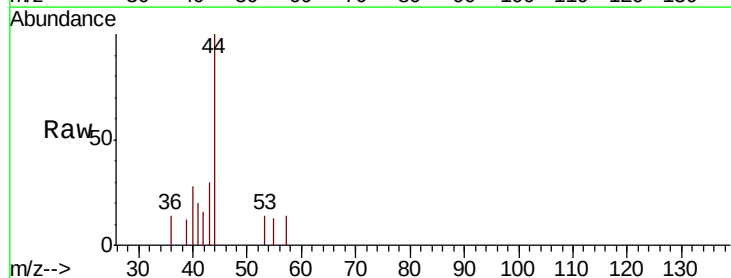
Tot Ion:152 Resp: 192810
Ion Ratio Lower Upper
152 100
115 55.8 39.0 117.0
150 156.4 0.0 351.0

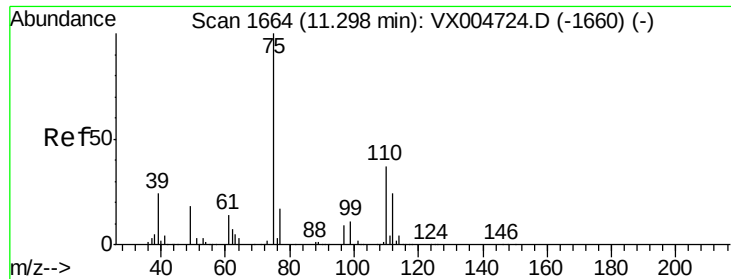


#74

N-ethyl acetate
Concen: 1.779 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VX004864.D
Acq: 01 Oct 2018 12:21

Tgt Ion: 43 Resp: 214
Ion Ratio Lower Upper
43 100
70 35.5 37.4 56.0#
55 52.3 21.8 32.8#
61 0.0 20.6 30.8#





#76

1,2,3-Trichloropropane

Concen: 21.388 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004864.D

Acq: 01 Oct 2018 12:21

Instrument :

MSVOA_X

ClientSampleId :

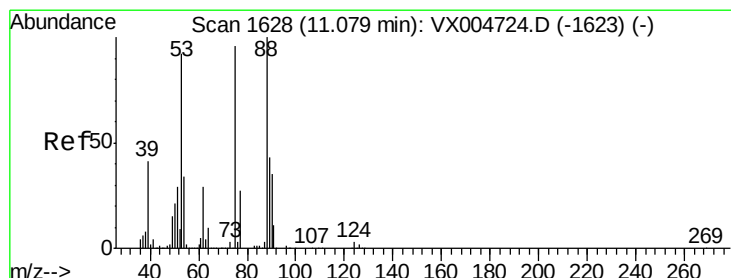
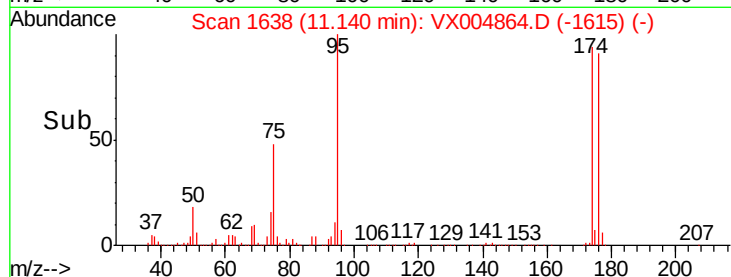
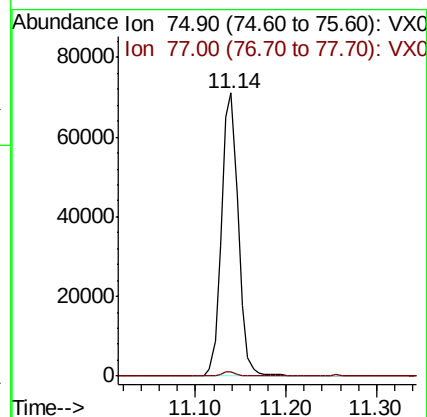
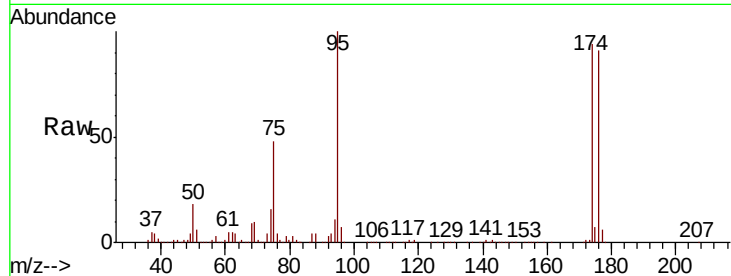
EB03-20180926

Tot Ion: 75 Resp: 92430

Ion Ratio Lower Upper

75 100

77 1.4 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.002 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004864.D

Acq: 01 Oct 2018 12:21

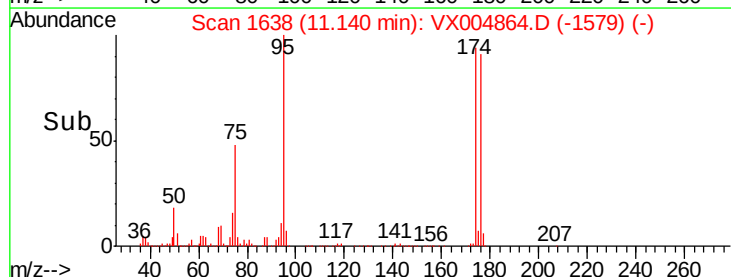
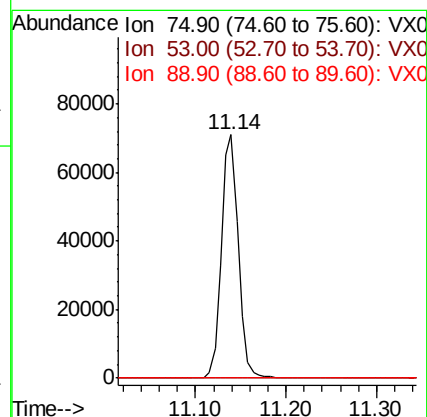
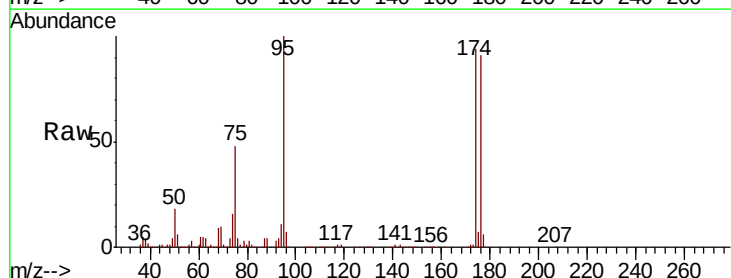
Tgt Ion: 75 Resp: 92430

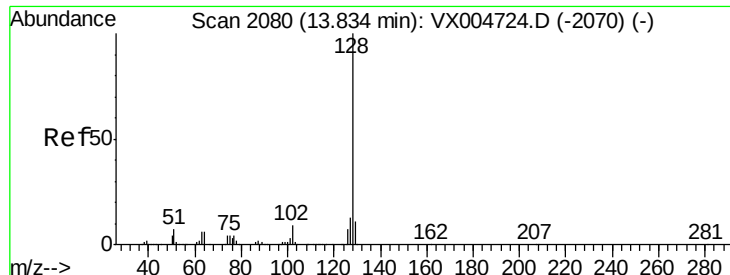
Ion Ratio Lower Upper

75 100

53 0.3 80.1 120.1#

89 0.0 37.2 55.8#





#95

Naphthalene

Concen: 0.810 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004864.D

Acq: 01 Oct 2018 12:21

Instrument :

MSVOA_X

ClientSampleId :

EB03-20180926

Tot Ion:128 Resp: 1468

Ion Ratio Lower Upper

128 100

127 16.3 10.2 15.2#

129 10.4 8.6 12.8

