

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100818\
 Data File : VX005144.D
 Acq On : 08 Oct 2018 23:36
 Operator : JC/MD
 Sample : J5303-22
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EB06-20181003

Quant Time: Oct 09 06:00:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	187092	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	294576	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	292406	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	162527	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	145306	54.37	ug/l	0.00
Spiked Amount			Recovery	=	108.74%	
35) Dibromofluoromethane	5.51	113	128040	51.29	ug/l	0.00
Spiked Amount			Recovery	=	102.58%	
50) Toluene-d8	8.71	98	426181	51.35	ug/l	0.00
Spiked Amount			Recovery	=	102.70%	
62) 4-Bromofluorobenzene	11.14	95	153303	51.27	ug/l	0.00
Spiked Amount			Recovery	=	102.54%	

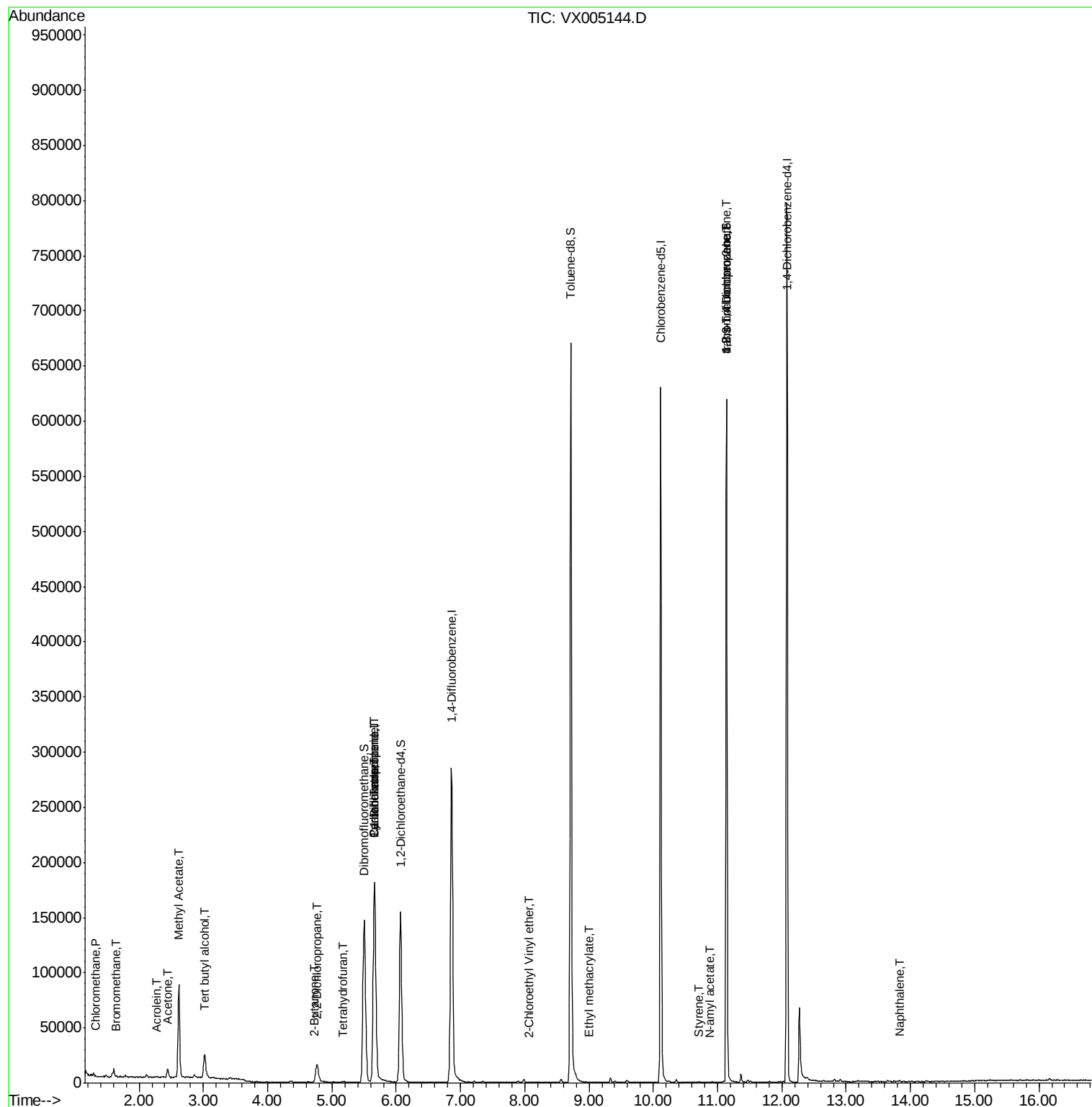
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	827	0.267	ug/l	89
5) Bromomethane	1.65	94	748	0.435	ug/l	95
6) Chloroethane	1.77	64	1566	Below Cal	#	86
11) Tert butyl alcohol	3.03	59	15174	20.305	ug/l #	78
13) Acrolein	2.28	56	312	0.587	ug/l #	80
16) Acetone	2.45	43	8948	5.735	ug/l #	85
18) Methyl Acetate	2.62	43	21170	5.355	ug/l #	53
20) Methylene Chloride	2.85	84	853	Below Cal	#	76
25) 2-Butanone	4.71	43	588	0.256	ug/l #	49
26) 2,2-Dichloropropane	4.77	77	1497	0.484	ug/l #	50
29) Tetrahydrofuran	5.17	42	588	0.411	ug/l #	51
31) Cyclohexane	5.67	56	3743	1.101	ug/l #	22
36) 1,1-Dichloropropene	5.67	75	13598	3.992	ug/l #	46
38) Carbon Tetrachloride	5.66	117	17062	4.765	ug/l #	19
56) Ethyl methacrylate	9.01	69	24	2.868	ug/l #	50
58) 2-Chloroethyl Vinyl ether	8.07	63	20	14.251	ug/l #	49
70) Styrene	10.71	104	134	2.157	ug/l #	60
74) N-amyl acetate	10.88	43	19	1.751	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	75928	20.843	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.51	105	272	Below Cal		93
81) trans-1,4-Dichloro-2-buten	11.14	75	75928	56.575	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	470	Below Cal		77
95) Naphthalene	13.83	128	700	0.771	ug/l #	90

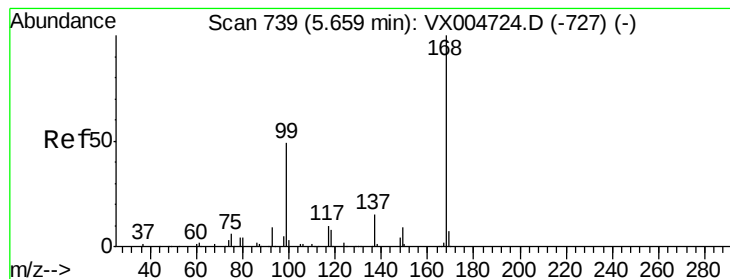
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX005144.D

Acq: 08 Oct 2018 23:36

Instrument :

MSVOA_X

ClientSampleId :

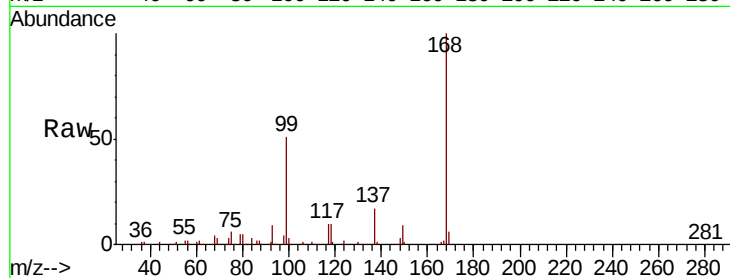
EB06-20181003

Tot Ion:168 Resp: 187092

Ion Ratio Lower Upper

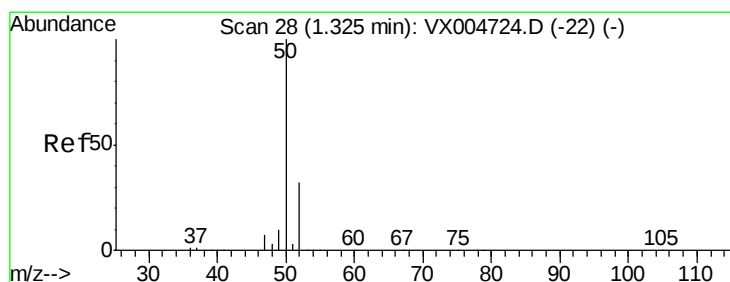
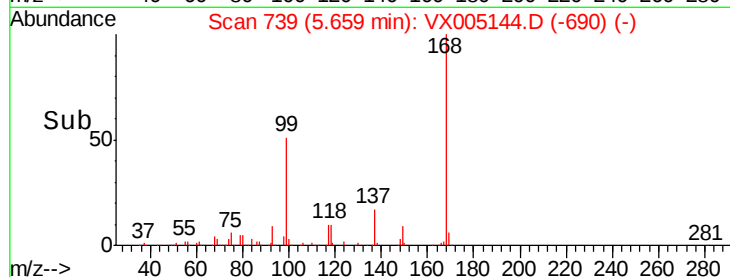
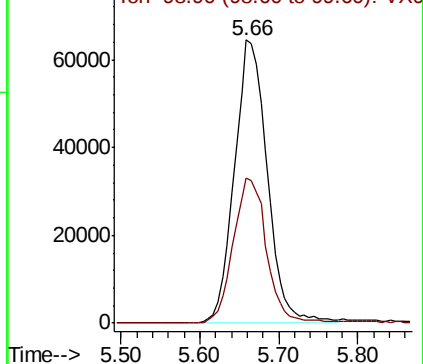
168 100

99 51.3 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.267 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005144.D

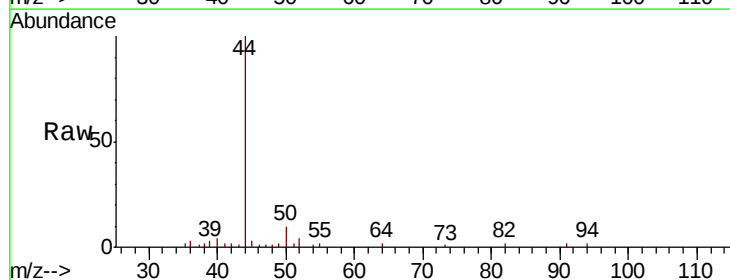
Acq: 08 Oct 2018 23:36

Tgt Ion: 50 Resp: 827

Ion Ratio Lower Upper

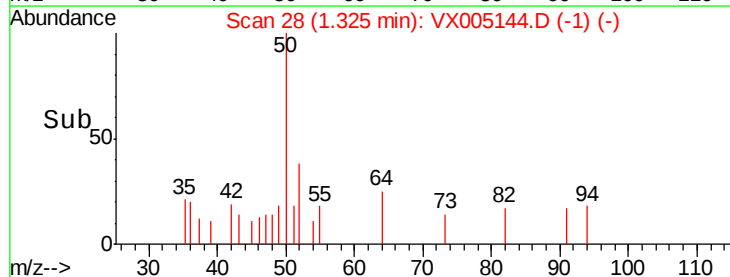
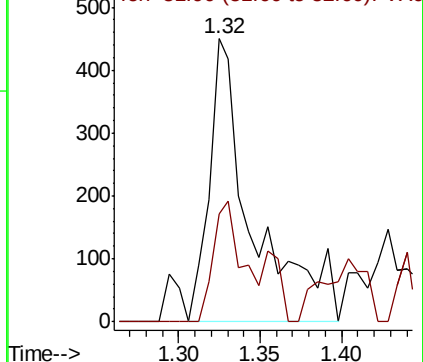
50 100

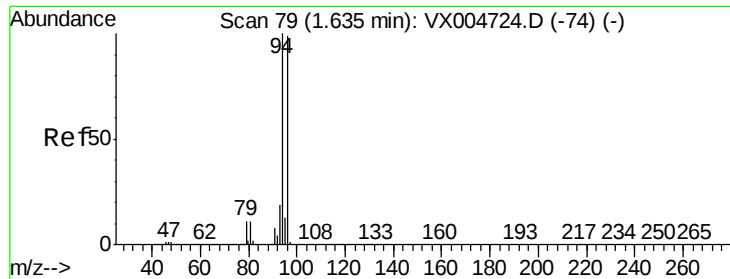
52 38.2 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.435 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX005144.D

Acq: 08 Oct 2018 23:36

Instrument :

MSVOA_X

ClientSampleId :

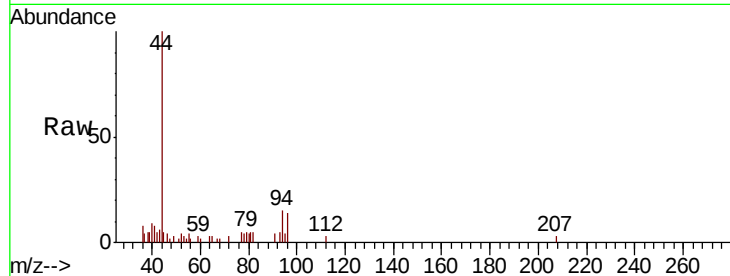
EB06-20181003

Tot Ion: 94 Resp: 748

Ion Ratio Lower Upper

94 100

96 94.4 79.5 119.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

400

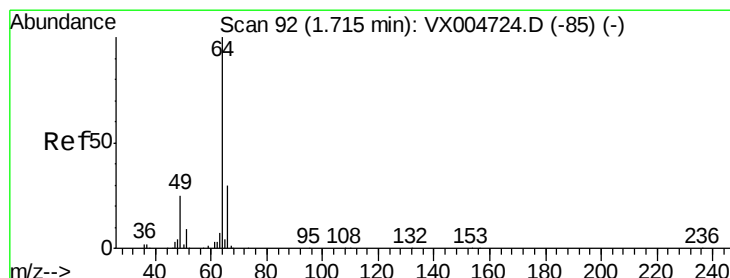
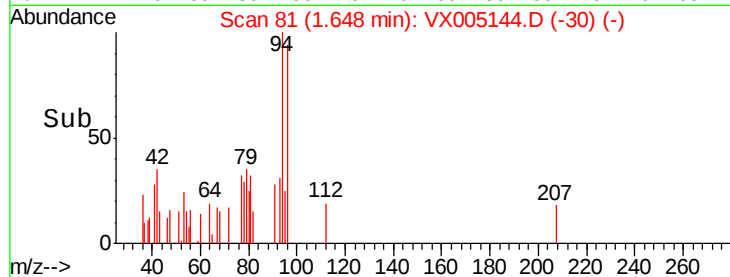
300

200

100

0

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.77 min Scan# 101

Delta R.T. 0.05 min

Lab File: VX005144.D

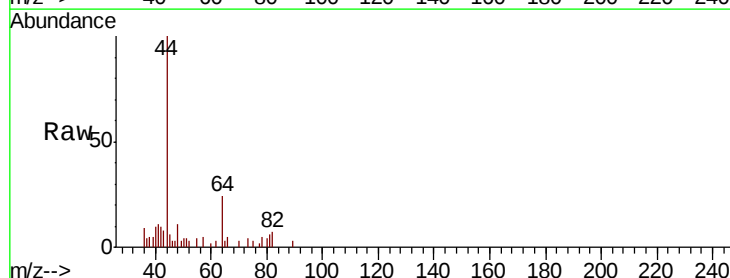
Acq: 08 Oct 2018 23:36

Tgt Ion: 64 Resp: 1566

Ion Ratio Lower Upper

64 100

66 22.1 23.8 35.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

800

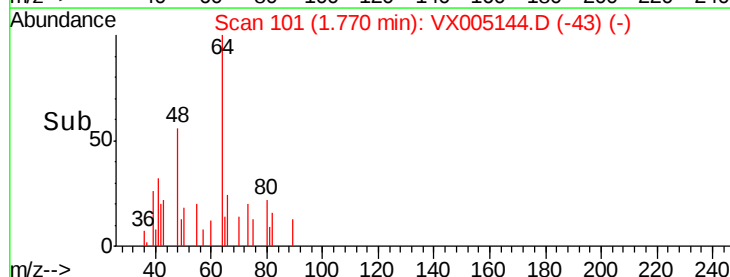
600

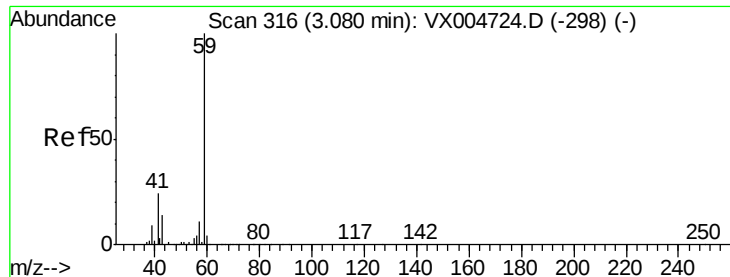
400

200

0

Time-->



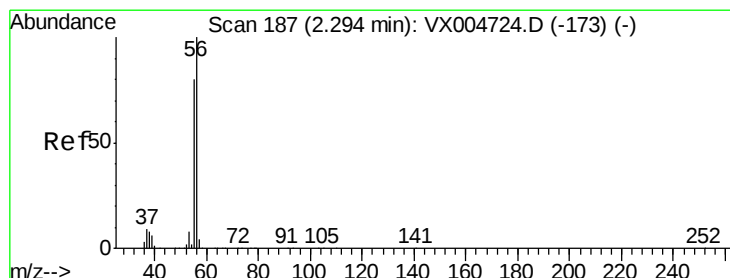
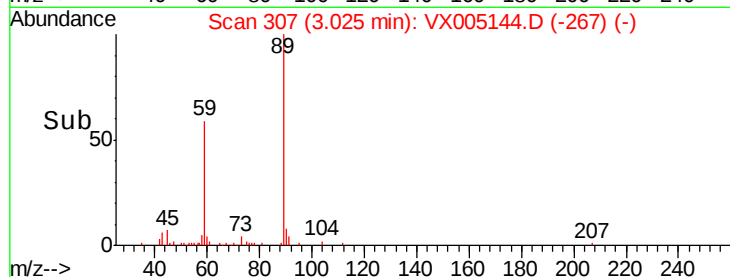
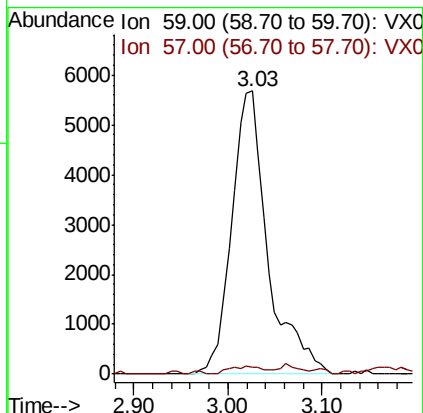
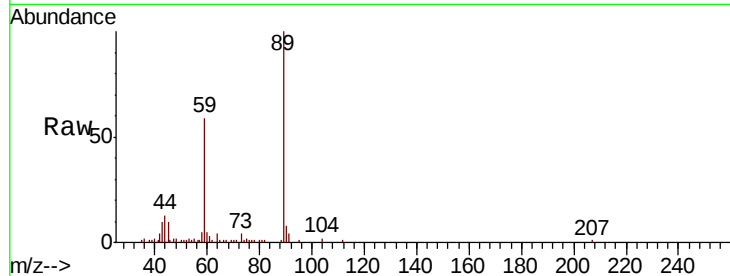


#11

Tert butyl alcohol
 Concen: 20.305 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.05 min
 Lab File: VX005144.D
 Acq: 08 Oct 2018 23:36

Instrument :
 MSVOA_X
 ClientSampleId :
 EB06-20181003

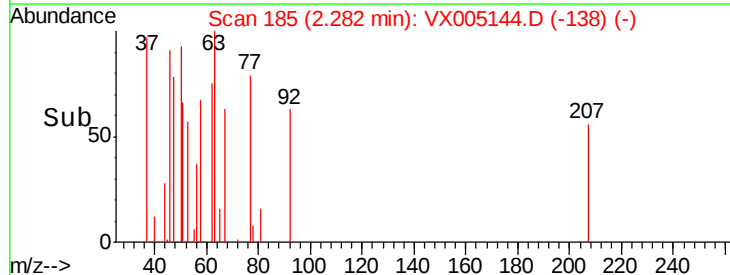
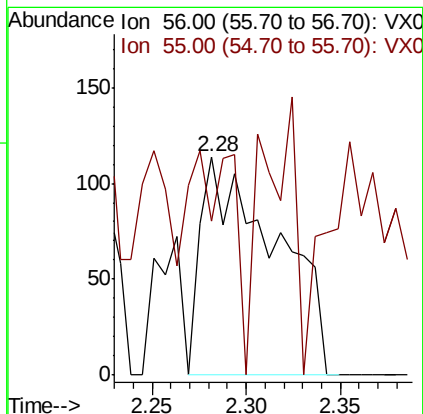
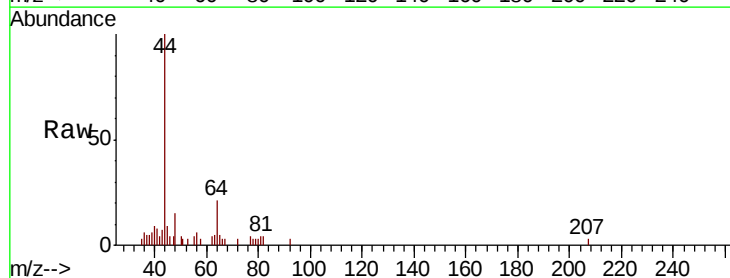
Tot Ion: 59 Resp: 15174
 Ion Ratio Lower Upper
 59 100
 57 2.6 8.6 12.8#

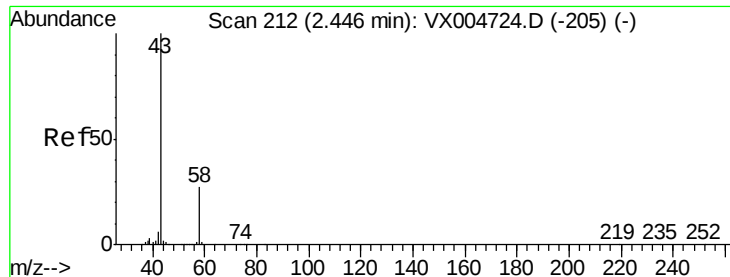


#13

Acrolein
 Concen: 0.587 ug/l
 RT: 2.28 min Scan# 185
 Delta R.T. -0.01 min
 Lab File: VX005144.D
 Acq: 08 Oct 2018 23:36

Tgt Ion: 56 Resp: 312
 Ion Ratio Lower Upper
 56 100
 55 61.5 63.4 95.2#

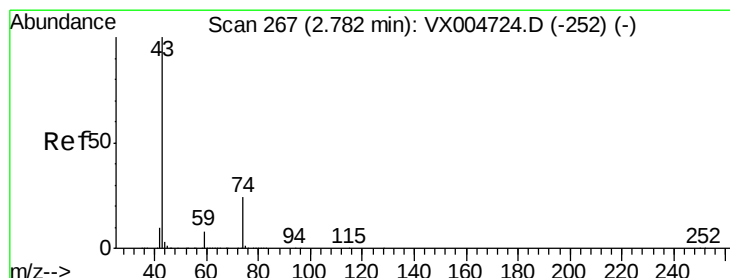
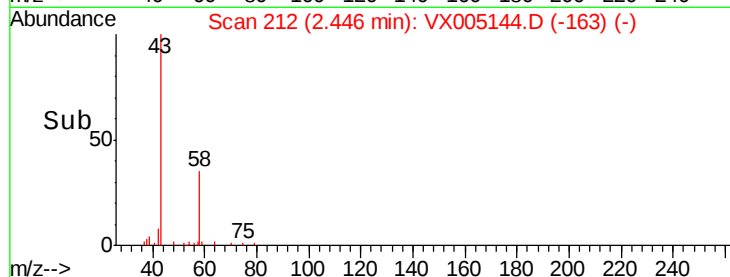
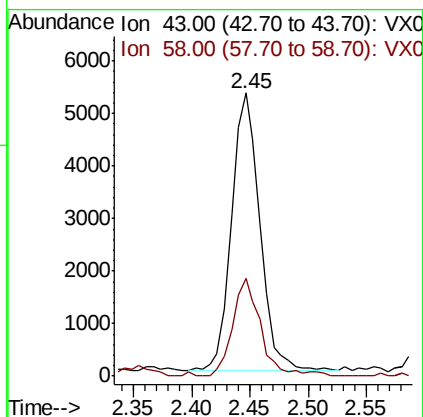
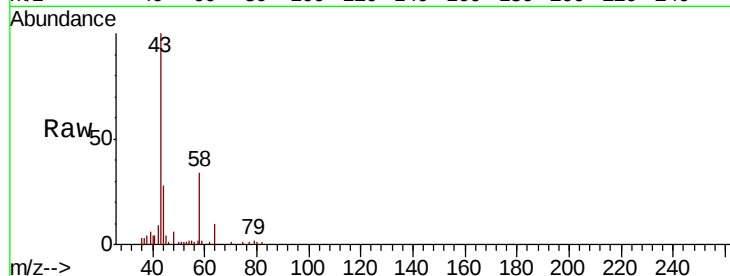




#16
Acetone
Concen: 5.735 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX005144.D
Acq: 08 Oct 2018 23:36

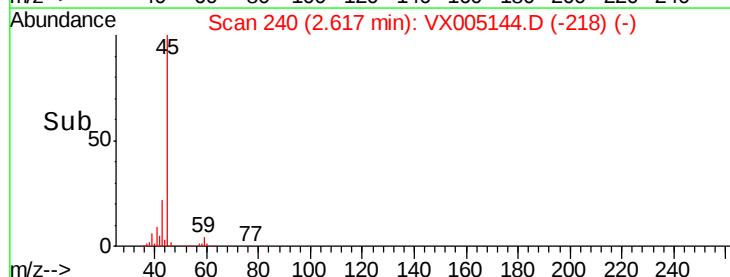
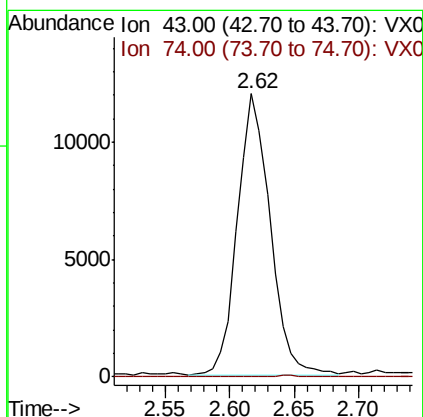
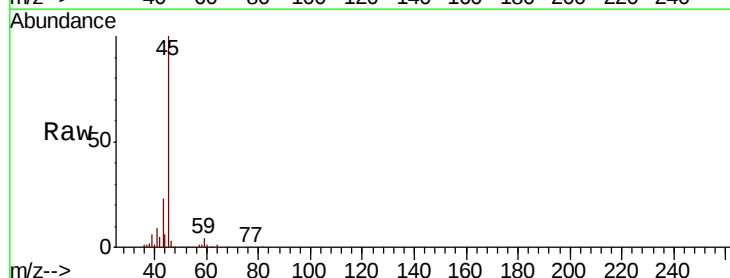
Instrument :
MSVOA_X
ClientSampleId :
EB06-20181003

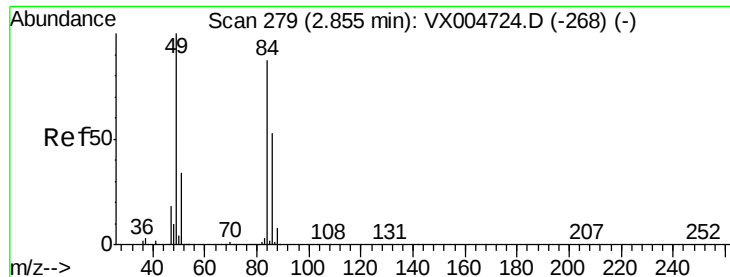
Tot Ion: 43 Resp: 8948
Ion Ratio Lower Upper
43 100
58 35.1 21.8 32.6#



#18
Methyl Acetate
Concen: 5.355 ug/l
RT: 2.62 min Scan# 240
Delta R.T. -0.16 min
Lab File: VX005144.D
Acq: 08 Oct 2018 23:36

Tgt Ion: 43 Resp: 21170
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#

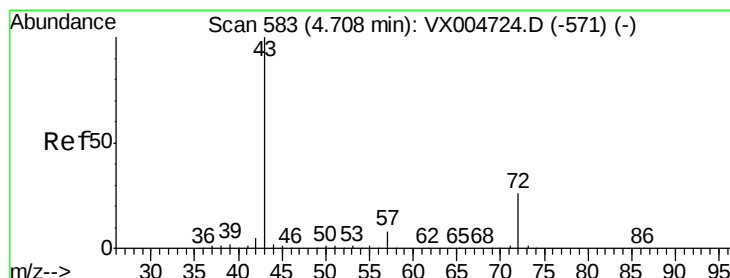
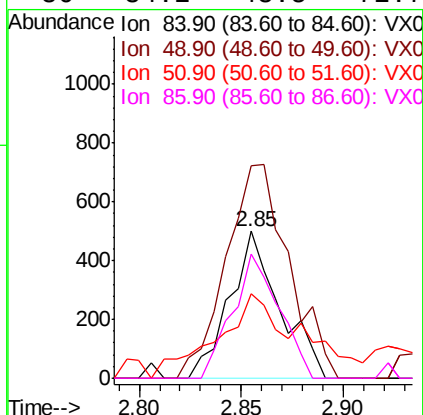
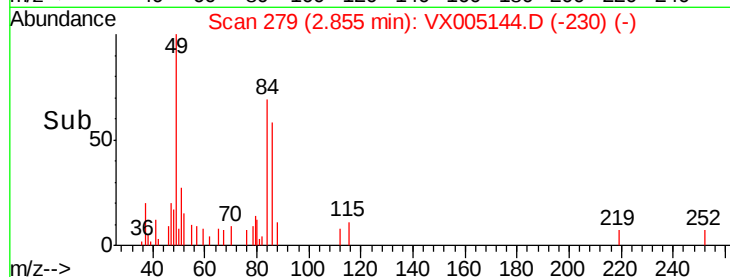
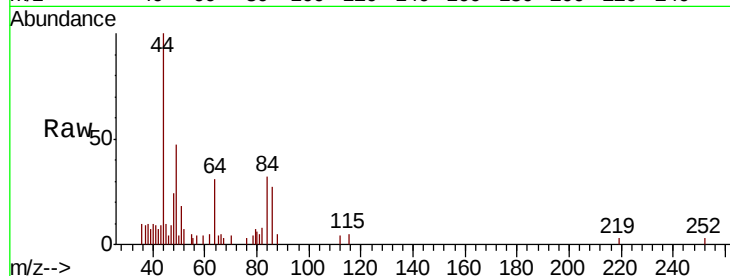




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005144.D
Acq: 08 Oct 2018 23:36

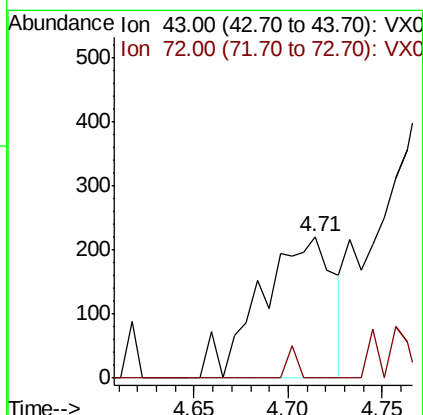
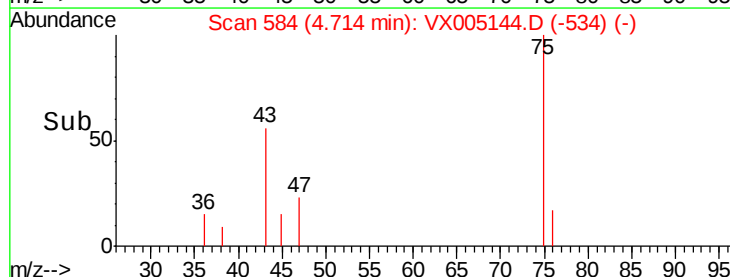
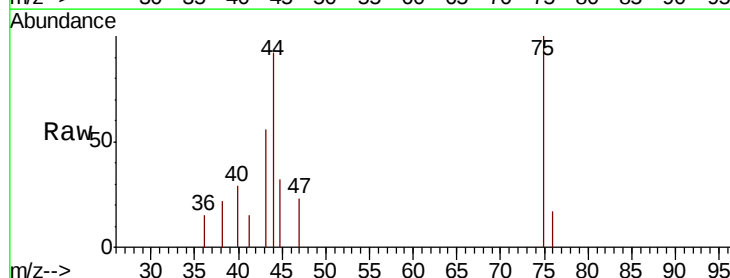
Instrument :
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ClientSampleId :
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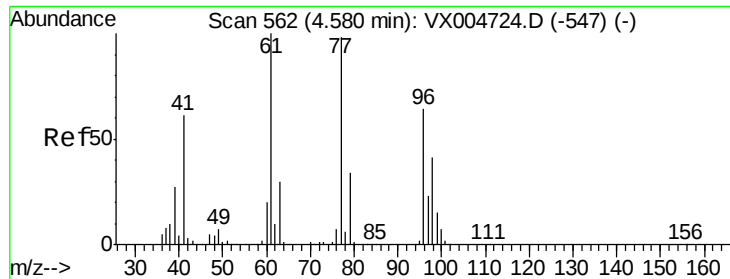
Tot Ion: 84 Resp: 853
Ion Ratio Lower Upper
84 100
49 144.6 92.3 138.5#
51 42.6 31.8 47.6
86 84.2 48.5 72.7#



#25
2-Butanone
Concen: 0.256 ug/l
RT: 4.71 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX005144.D
Acq: 08 Oct 2018 23:36

Tgt Ion: 43 Resp: 588
Ion Ratio Lower Upper
43 100
72 0.0 20.8 31.2#





#26

2,2-Dichloropropane

Concen: 0.484 ug/l

RT: 4.77 min Scan# 593

Delta R.T. 0.19 min

Lab File: VX005144.D

Acq: 08 Oct 2018 23:36

Instrument :

MSVOA_X

ClientSampleId :

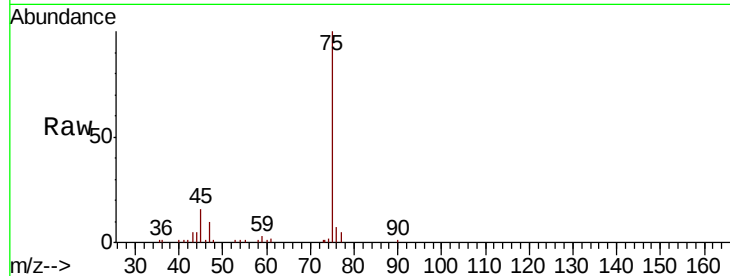
EB06-20181003

Tot Ion: 77 Resp: 1497

Ion Ratio Lower Upper

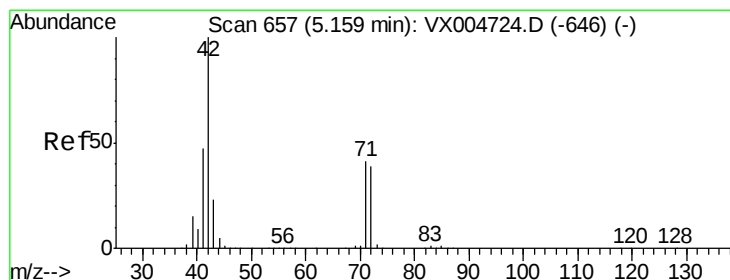
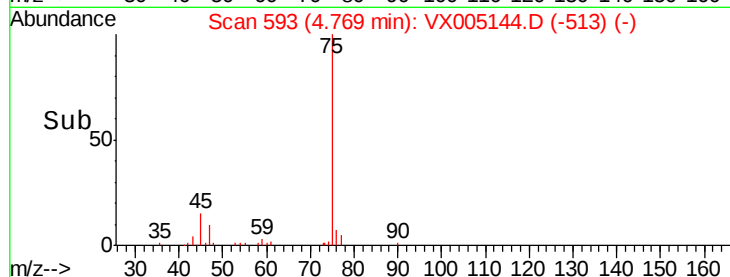
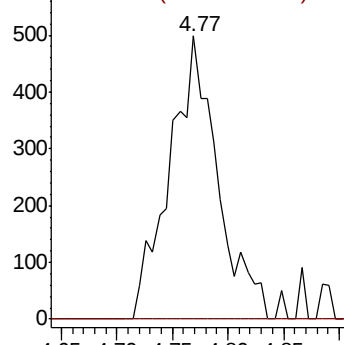
77 100

97 0.0 12.6 37.8#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



#29

Tetrahydrofuran

Concen: 0.411 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX005144.D

Acq: 08 Oct 2018 23:36

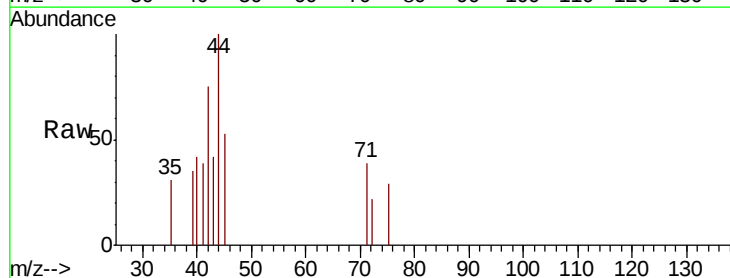
Tgt Ion: 42 Resp: 588

Ion Ratio Lower Upper

42 100

72 10.7 33.7 50.5#

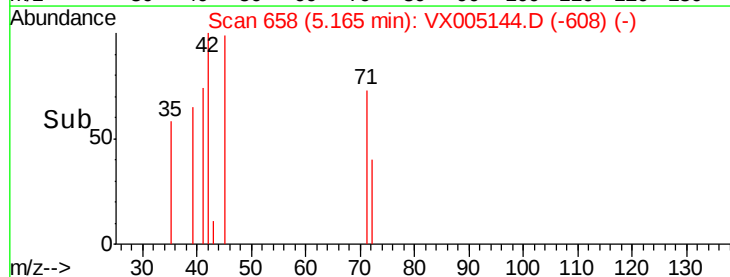
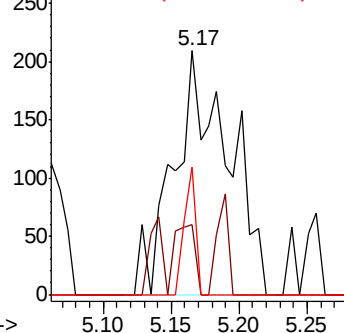
71 10.7 32.2 48.4#

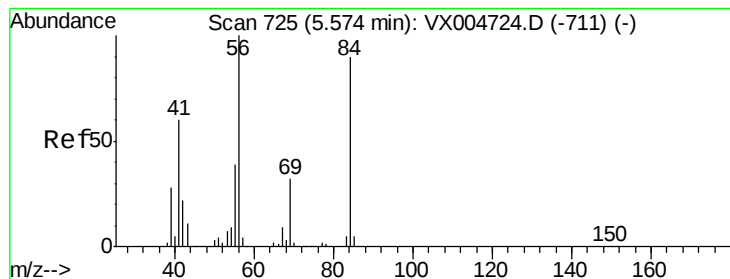


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 1.101 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX005144.D

Acq: 08 Oct 2018 23:36

Instrument :

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ClientSampleId :

EB06-20181003

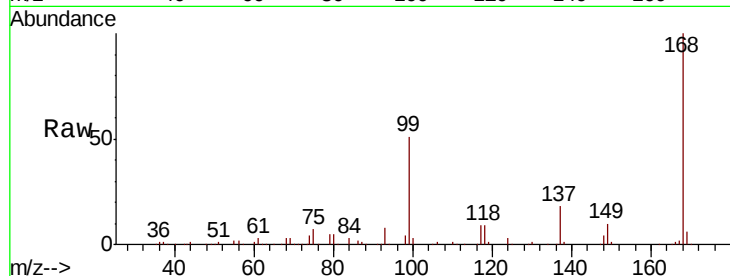
Tot Ion: 56 Resp: 3743

Ion Ratio Lower Upper

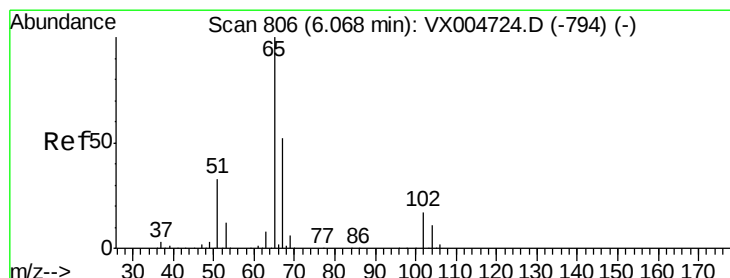
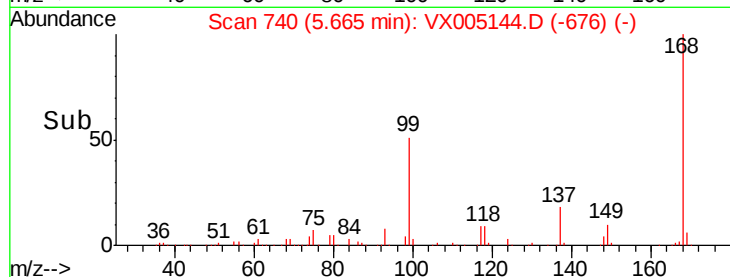
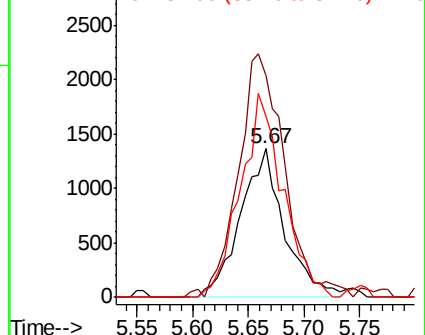
56 100

69 145.5 25.9 38.9#

84 121.5 71.9 107.9#



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: 54.368 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX005144.D

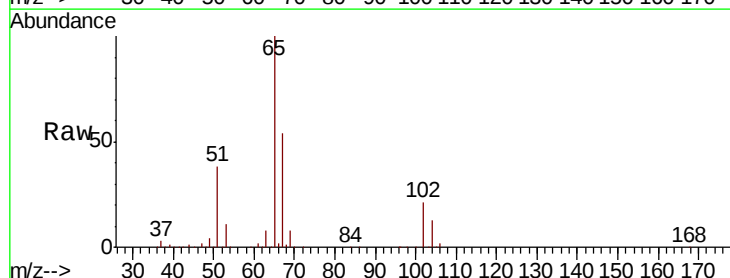
Acq: 08 Oct 2018 23:36

Tgt Ion: 65 Resp: 145306

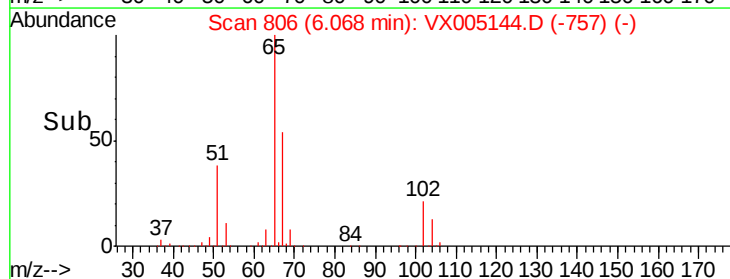
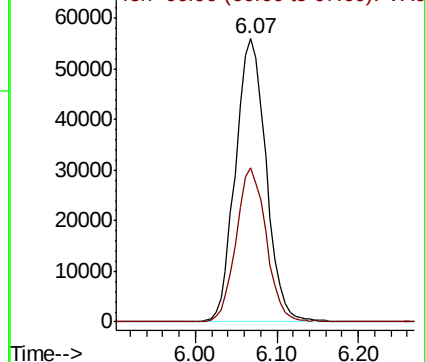
Ion Ratio Lower Upper

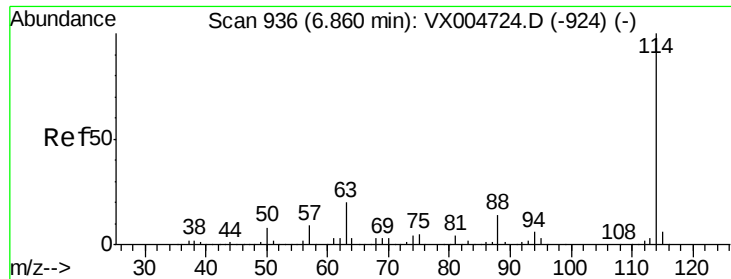
65 100

67 53.8 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

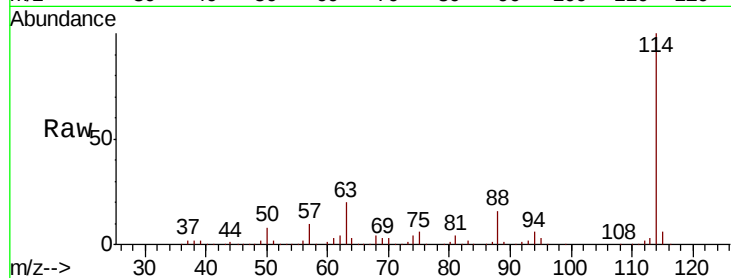




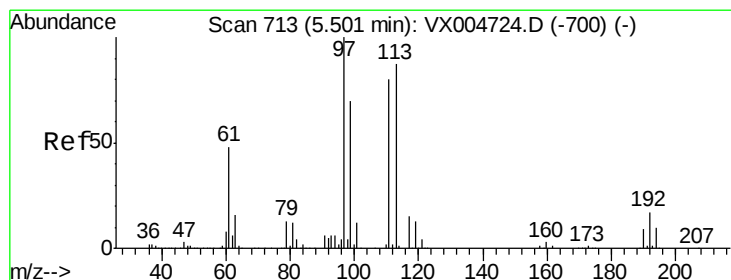
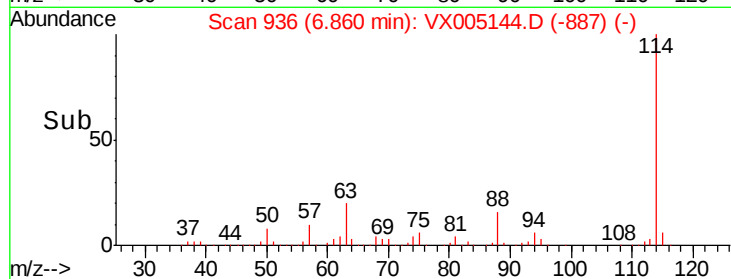
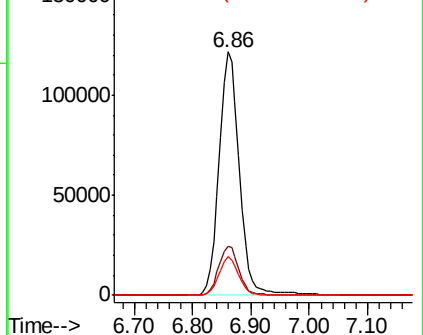
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX005144.D
 Acq: 08 Oct 2018 23:36

Instrument :
 MSVOA_X
 ClientSampleId :
 EB06-20181003

Tot Ion:114 Resp: 294576
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 39.8
 88 15.9 0.0 27.0

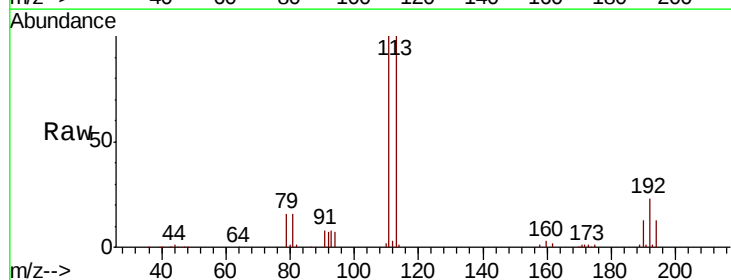


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

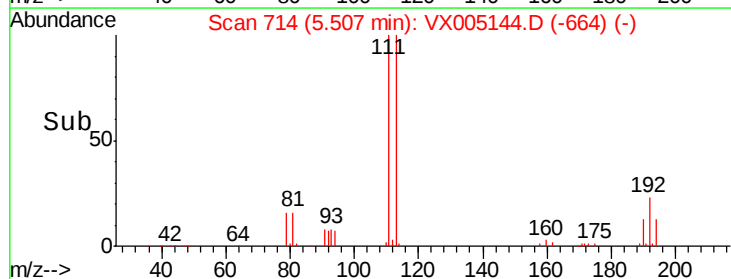
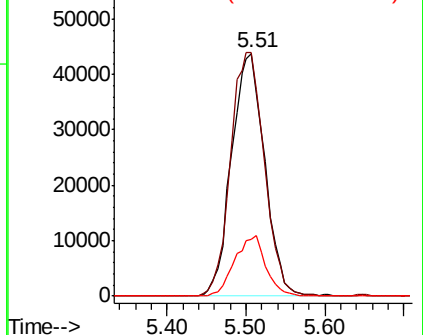


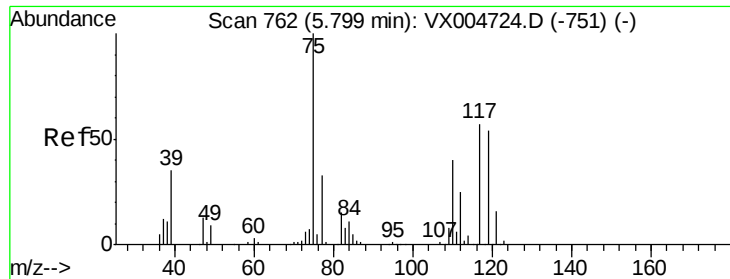
#35
 Dibromofluoromethane
 Concen: 51.286 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX005144.D
 Acq: 08 Oct 2018 23:36

Tgt Ion:113 Resp: 128040
 Ion Ratio Lower Upper
 113 100
 111 102.0 77.0 115.4
 192 23.3 17.0 25.6



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

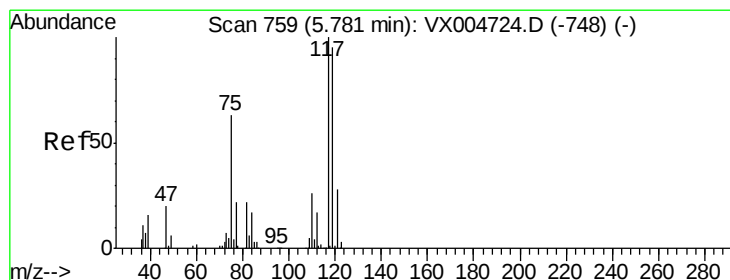
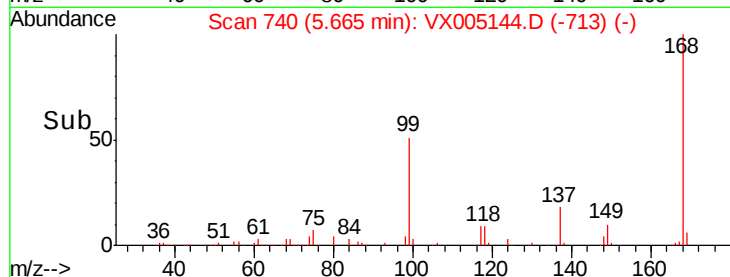
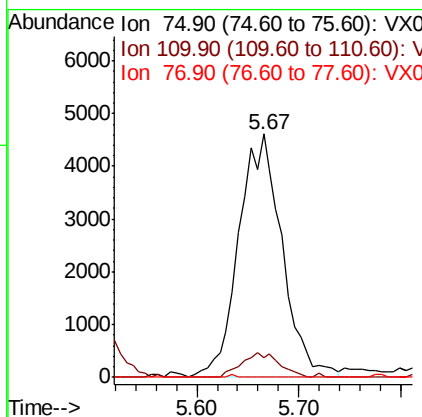
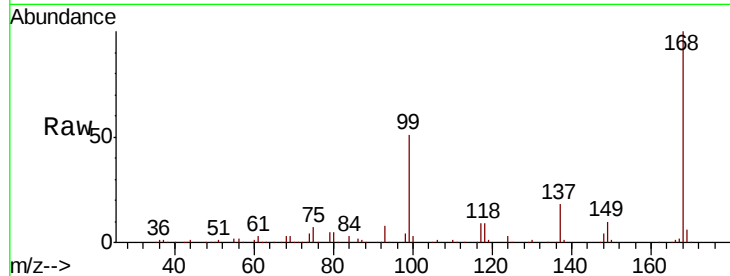




#36
 1,1-Dichloropropene
 Concen: 3.992 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX005144.D
 Acq: 08 Oct 2018 23:36

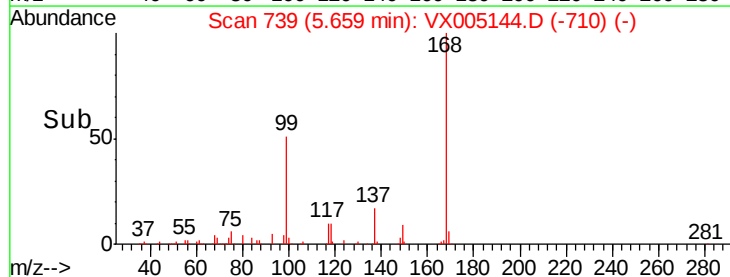
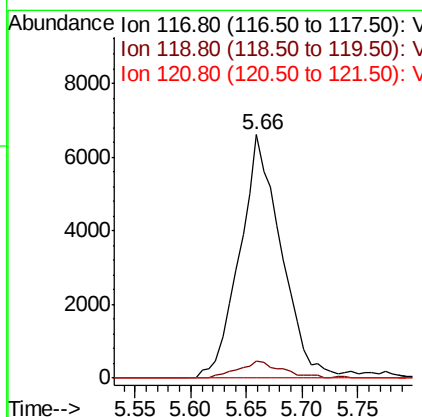
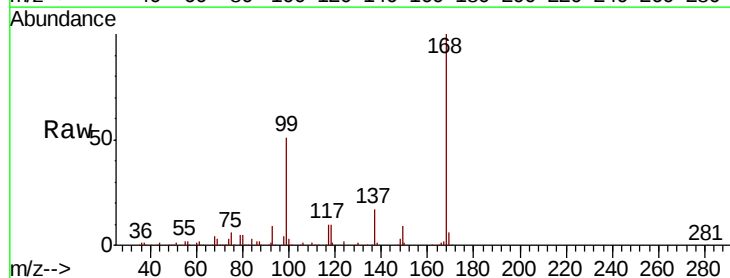
Instrument :
 MSVOA_X
 ClientSampleId :
 EB06-20181003

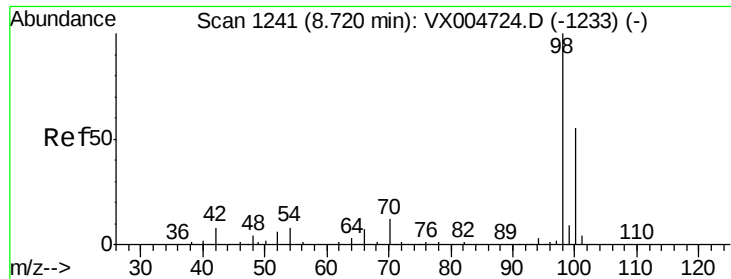
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	20.0	59.9#
77	0.0	27.1	40.7#



#38
 Carbon Tetrachloride
 Concen: 4.765 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX005144.D
 Acq: 08 Oct 2018 23:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.2	75.2	112.8#
121	0.0	22.5	33.7#





#50

Toluene-d8

Concen: 51.348 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VX005144.D

Acq: 08 Oct 2018 23:36

Instrument :

MSVOA_X

ClientSampleId :

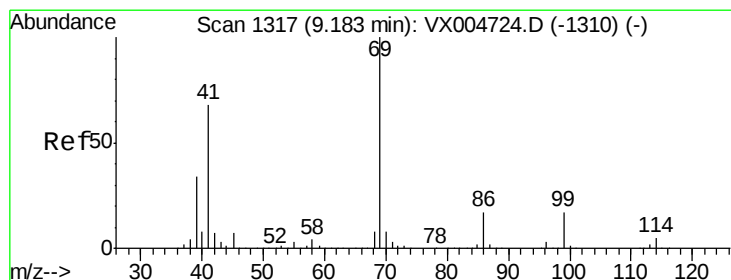
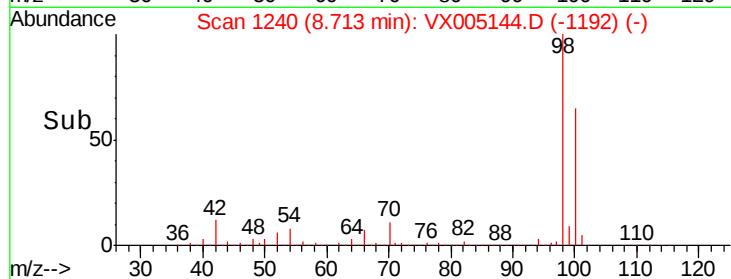
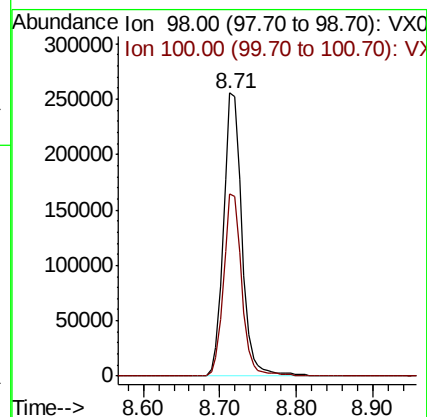
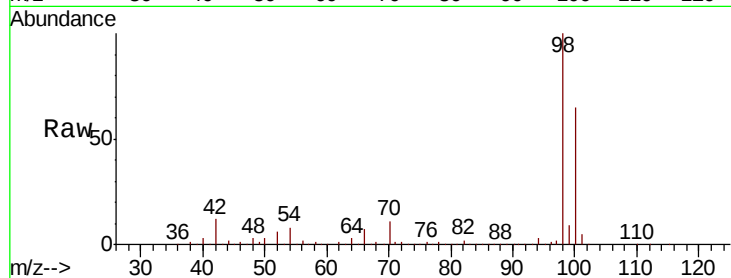
EB06-20181003

Tot Ion: 98 Resp: 426181

Ion Ratio Lower Upper

98 100

100 63.9 51.9 77.9



#56

Ethyl methacrylate

Concen: 2.868 ug/l

RT: 9.01 min Scan# 1288

Delta R.T. -0.18 min

Lab File: VX005144.D

Acq: 08 Oct 2018 23:36

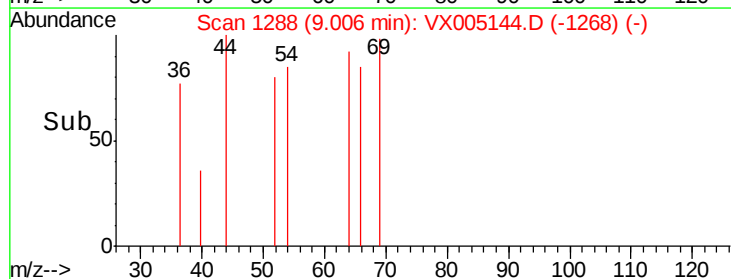
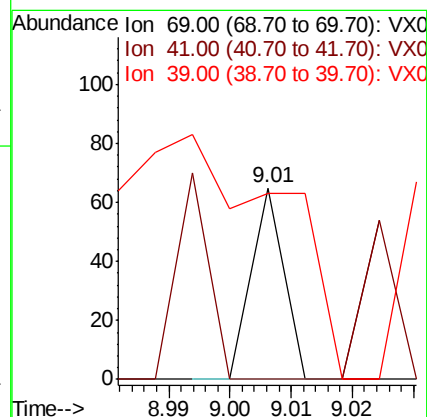
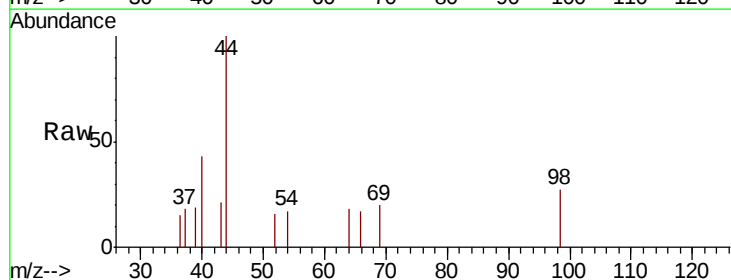
Tgt Ion: 69 Resp: 24

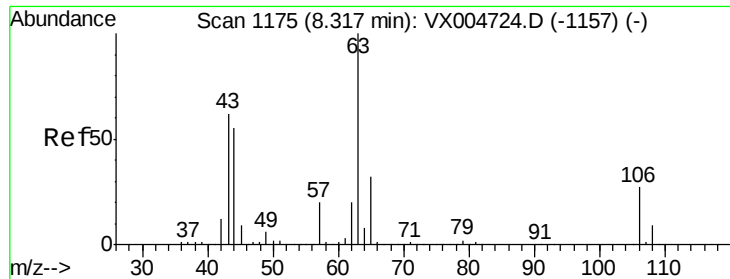
Ion Ratio Lower Upper

69 100

41 108.3 56.9 85.3#

39 0.0 28.4 42.6#

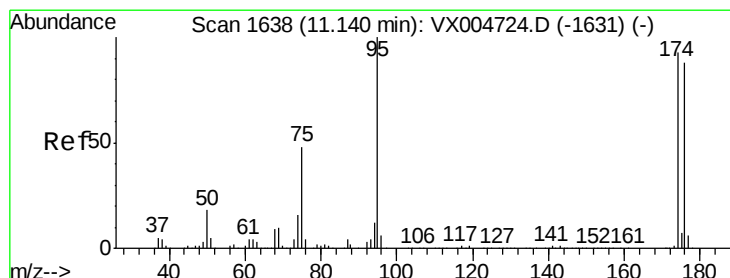
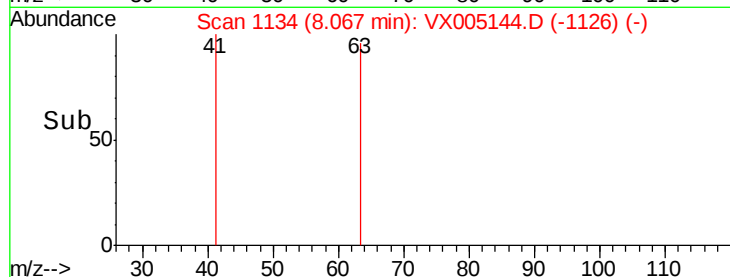
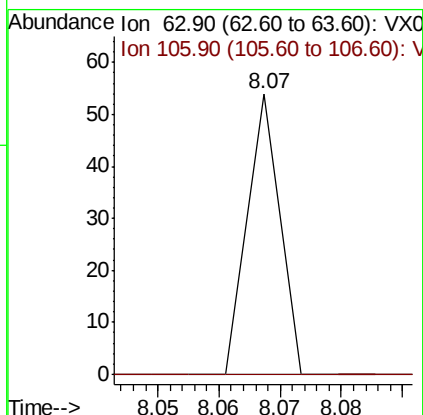
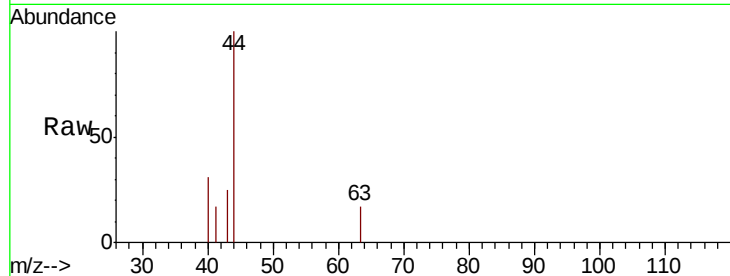




#58
 2-Chloroethyl Vinyl ether
 Concen: 14.251 ug/l
 RT: 8.07 min Scan# 1134
 Delta R.T. -0.25 min
 Lab File: VX005144.D
 Acq: 08 Oct 2018 23:36

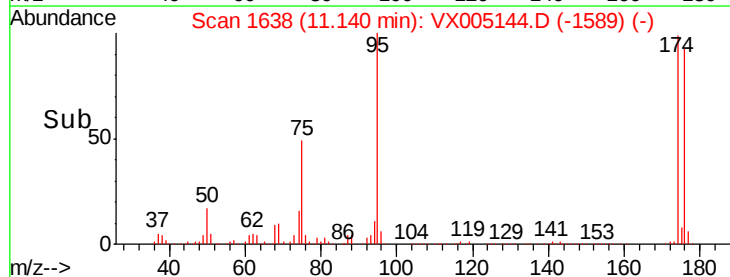
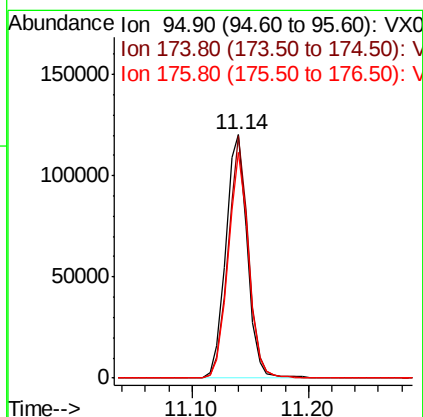
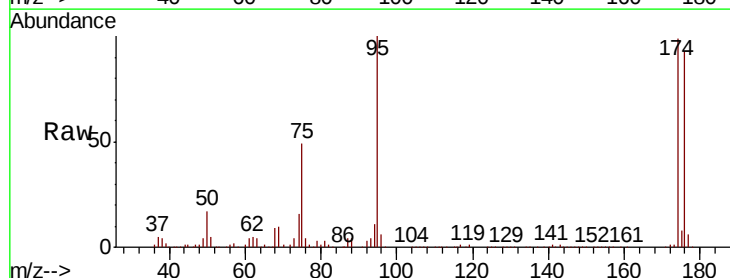
Instrument :
 MSVOA_X
 ClientSampleId :
 EB06-20181003

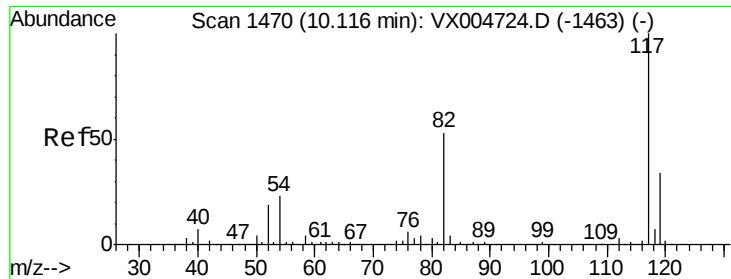
Tot Ion: 63 Resp: 20
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.0 31.6#



#62
 4-Bromofluorobenzene
 Concen: 51.271 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: VX005144.D
 Acq: 08 Oct 2018 23:36

Tgt Ion: 95 Resp: 153303
 Ion Ratio Lower Upper
 95 100
 174 94.4 0.0 185.0
 176 89.5 0.0 180.2

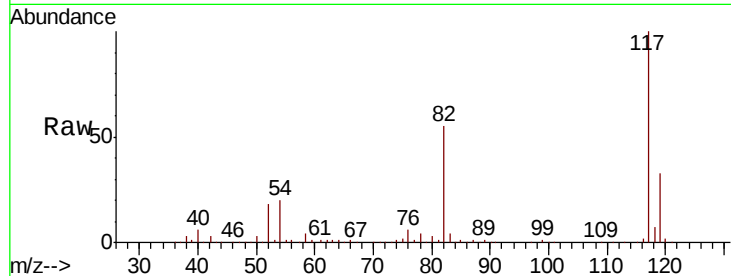




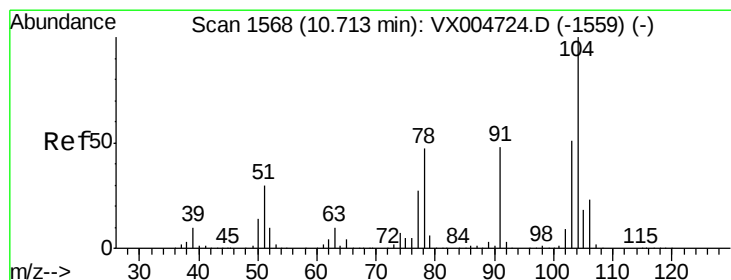
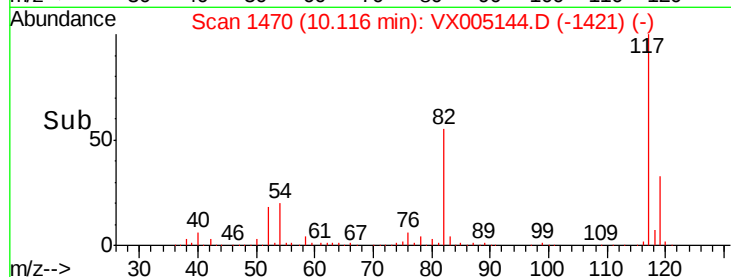
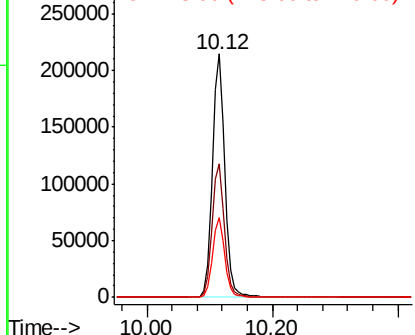
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005144.D
Acq: 08 Oct 2018 23:36

Instrument :
MSVOA_X
ClientSampleId :
EB06-20181003

Tot Ion:117 Resp: 292406
Ion Ratio Lower Upper
117 100
82 54.9 42.2 63.4
119 32.7 27.4 41.0

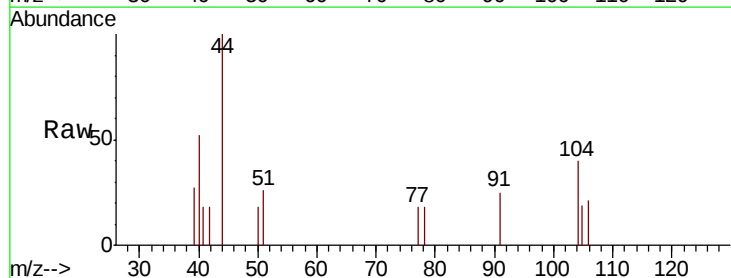


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

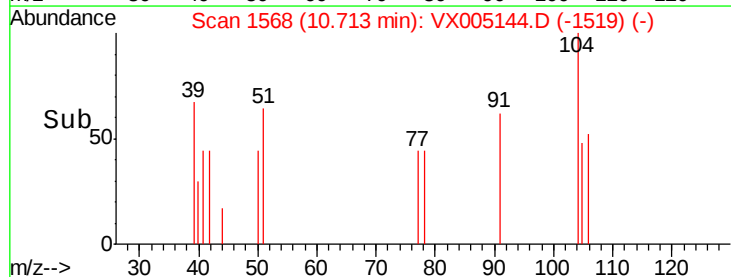
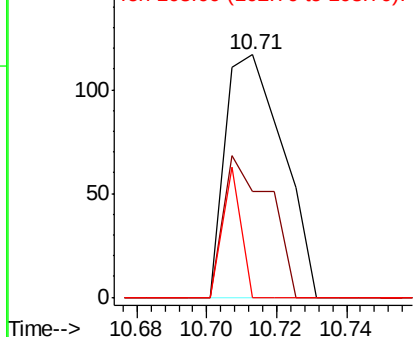


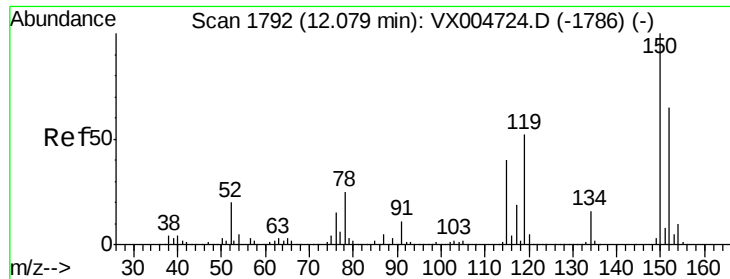
#70
Styrene
Concen: 2.157 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005144.D
Acq: 08 Oct 2018 23:36

Tgt Ion:104 Resp: 134
Ion Ratio Lower Upper
104 100
78 32.8 40.0 60.0#
103 17.2 44.3 66.5#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): 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: VX005144.D

Acq: 08 Oct 2018 23:36

Instrument :

MSVOA_X

ClientSampleId :

EB06-20181003

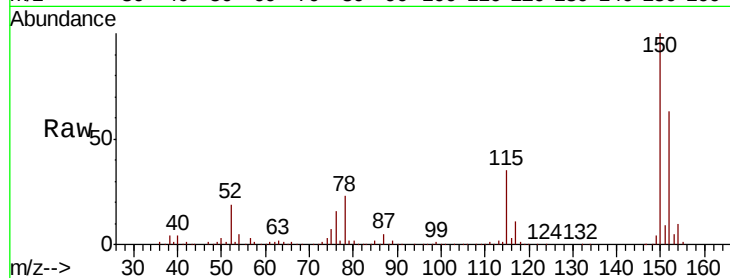
Tot Ion:152 Resp: 162527

Ion Ratio Lower Upper

152 100

115 55.5 40.2 120.6

150 156.7 0.0 351.0

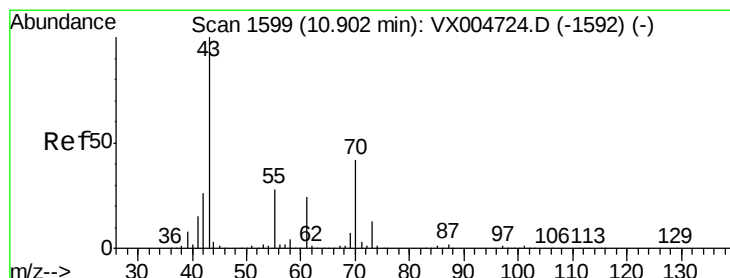
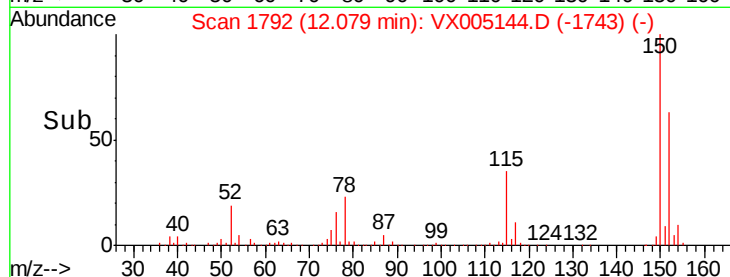
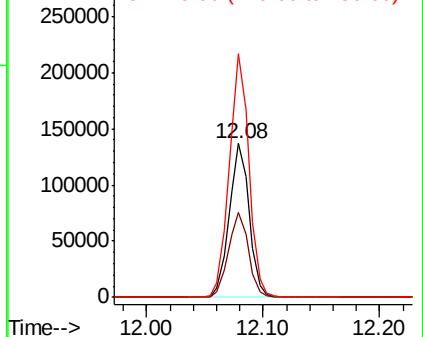


Abundance

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: 1.751 ug/l

RT: 10.88 min Scan# 1596

Delta R.T. -0.02 min

Lab File: VX005144.D

Acq: 08 Oct 2018 23:36

Tgt Ion: 43 Resp: 19

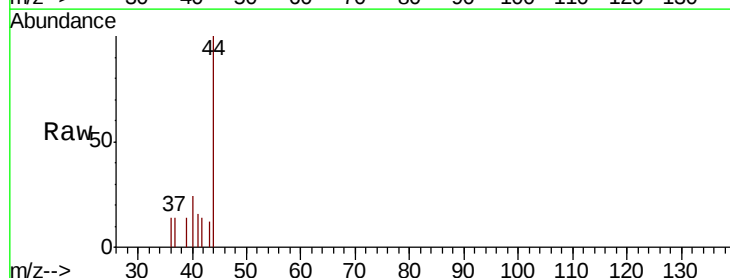
Ion Ratio Lower Upper

43 100

70 0.0 32.6 48.8#

55 273.7 21.6 32.4#

61 0.0 19.1 28.7#



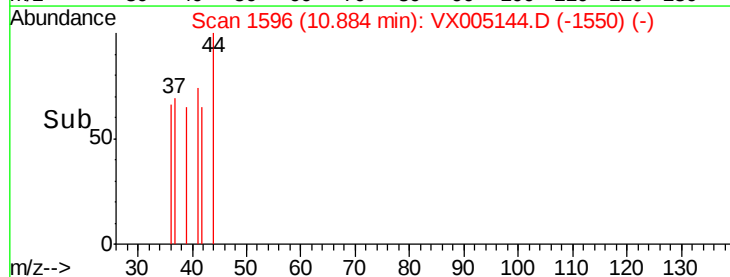
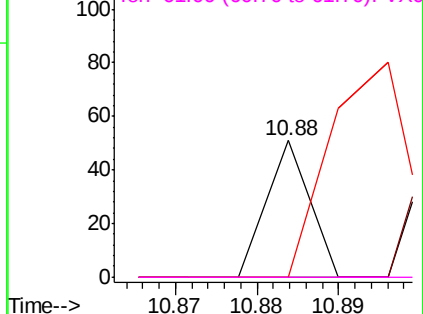
Abundance

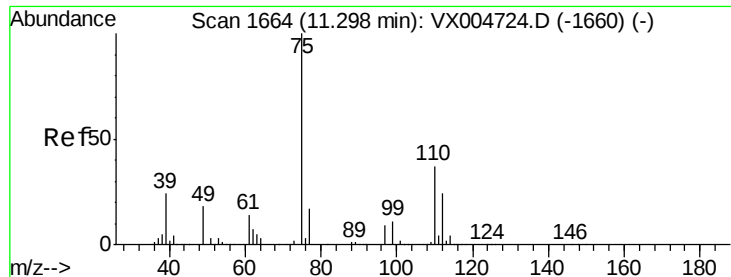
Ion 43.00 (42.70 to 43.70): VX0

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: 20.843 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005144.D

Acq: 08 Oct 2018 23:36

Instrument :

MSVOA_X

ClientSampleId :

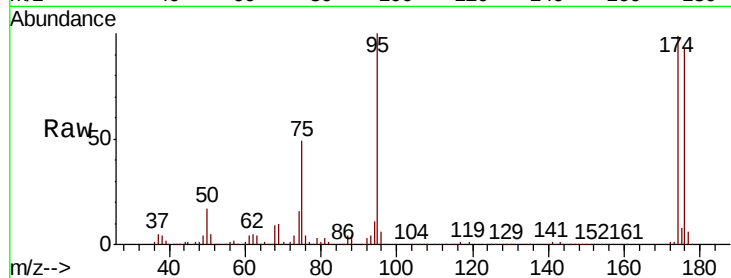
EB06-20181003

Tot Ion: 75 Resp: 75928

Ion Ratio Lower Upper

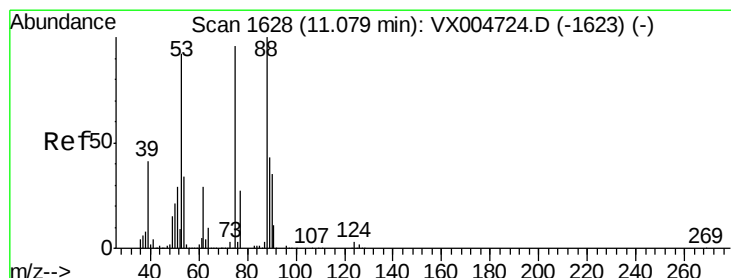
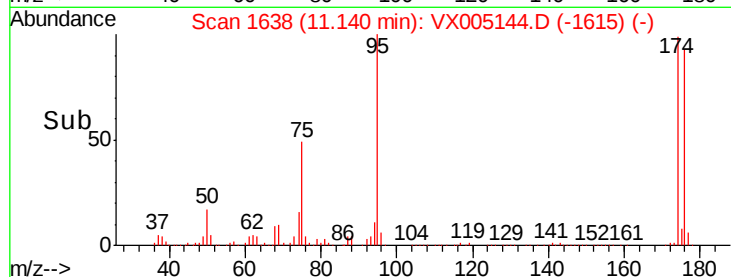
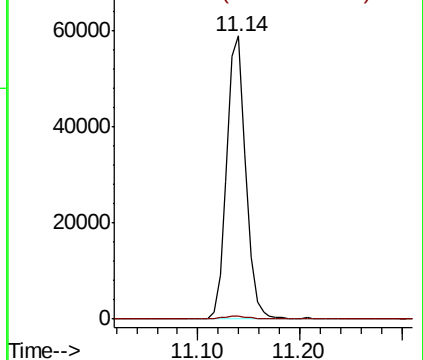
75 100

77 1.6 21.4 64.3#



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: 56.575 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX005144.D

Acq: 08 Oct 2018 23:36

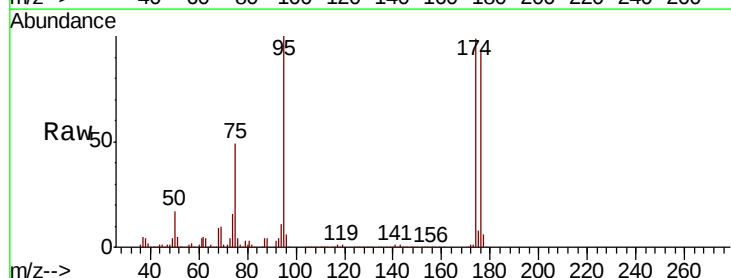
Tgt Ion: 75 Resp: 75928

Ion Ratio Lower Upper

75 100

53 0.3 80.2 120.4#

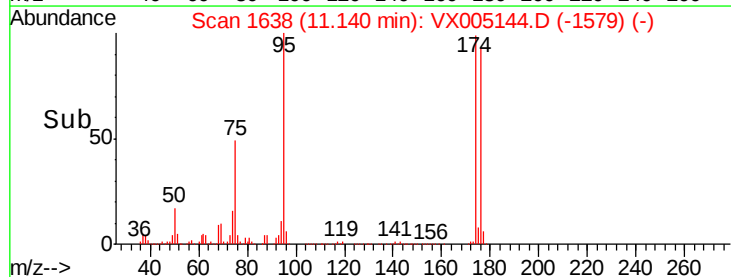
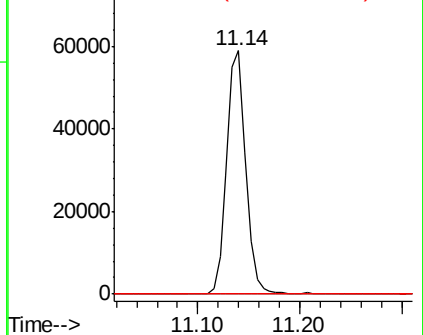
89 0.0 37.1 55.7#

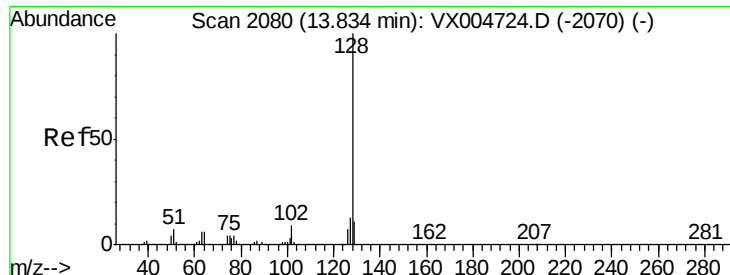


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95

Naphthalene

Concen: 0.771 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005144.D

Acq: 08 Oct 2018 23:36

Instrument :

MSVOA_X

ClientSampleId :

EB06-20181003

Tot Ion:128 Resp: 700

Ion Ratio Lower Upper

128 100

127 18.1 10.4 15.6#

129 8.4 8.7 13.1#

