

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100518\
 Data File : VX005107.D
 Acq On : 06 Oct 2018 10:26
 Operator : JC/MD
 Sample : J5259-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-EX3

Quant Time: Oct 08 07:51:41 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	5.67	168	223643	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	326851	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	319904	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	183521	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	164143	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	
35) Dibromofluoromethane	5.51	113	147146	53.12	ug/l	0.01
Spiked Amount	50.000		Recovery	=	106.24%	
50) Toluene-d8	8.72	98	467556	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	
62) 4-Bromofluorobenzene	11.14	95	171228	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	

Target Compounds

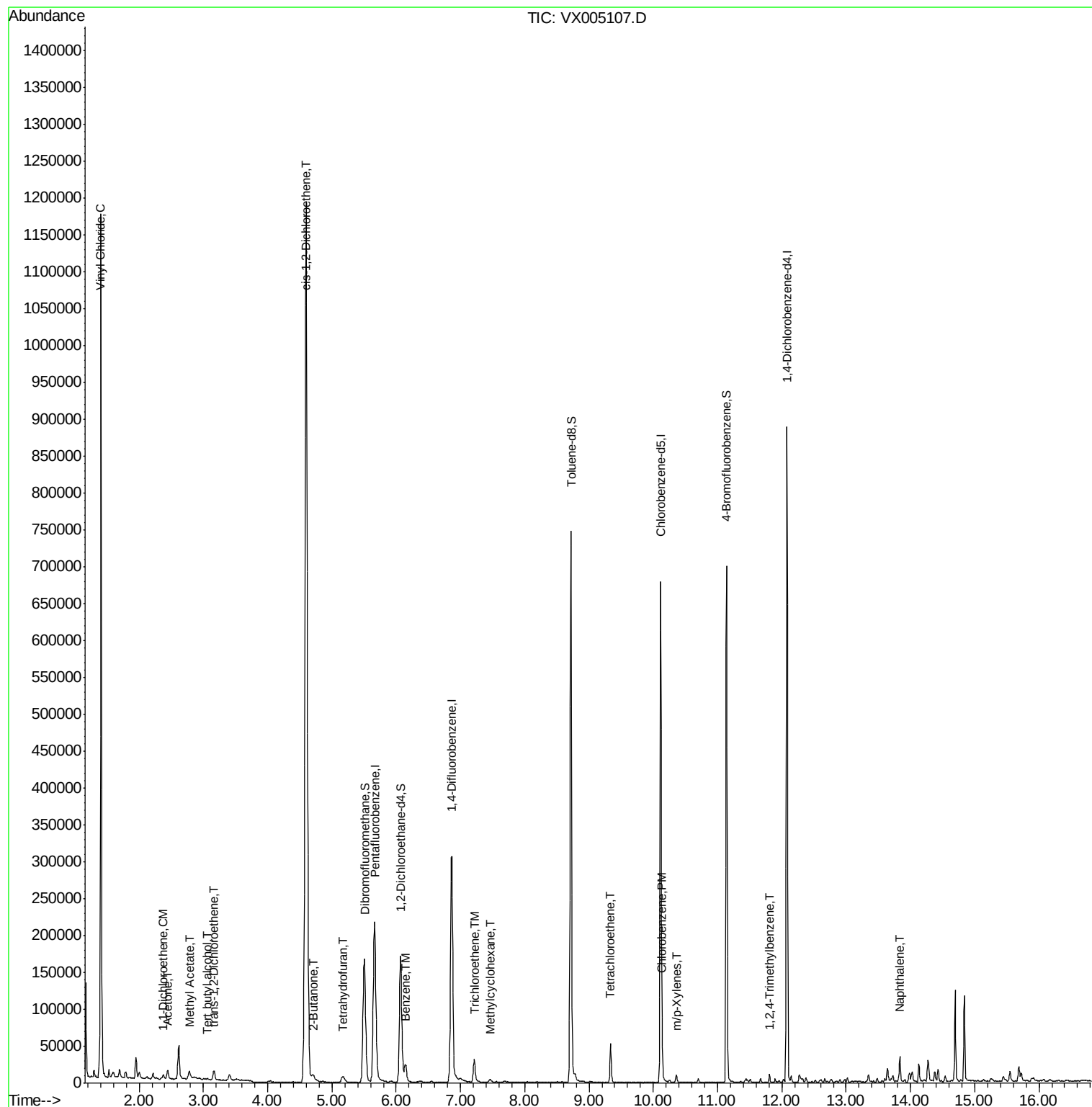
						Qvalue
4) Vinyl Chloride	1.40	62	696217	200.649	ug/l	99
11) Tert butyl alcohol	3.07	59	2163	2.421	ug/l #	84
12) 1,1-Dichloroethene	2.38	96	1999	0.825	ug/l	91
16) Acetone	2.45	43	12564	6.736	ug/l #	88
18) Methyl Acetate	2.78	43	6285	1.330	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	3820	1.440	ug/l #	80
25) 2-Butanone	4.71	43	14739	5.361	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	743104	250.761	ug/l	90
29) Tetrahydrofuran	5.17	42	5905	3.456	ug/l	99
39) Methylcyclohexane	7.46	83	1535	0.398	ug/l #	83
40) Benzene	6.15	78	29185	2.467	ug/l	91
44) Trichloroethene	7.21	130	12296	4.227	ug/l	98
64) Tetrachloroethene	9.34	164	11229	3.566	ug/l	93
65) Chlorobenzene	10.14	112	10501	1.280	ug/l	94
68) m/p-Xylenes	10.36	106	2260	0.444	ug/l	94
84) 1,2,4-Trimethylbenzene	11.81	105	4860	0.248	ug/l	100
95) Naphthalene	13.83	128	21175	2.087	ug/l	98

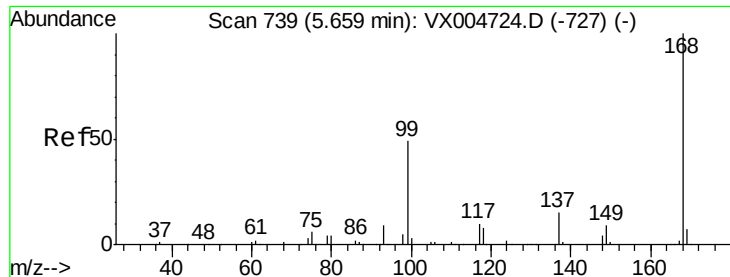
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
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: VX005107.D

Acq: 06 Oct 2018 10:26

Instrument :

MSVOA_X

ClientSampleId :

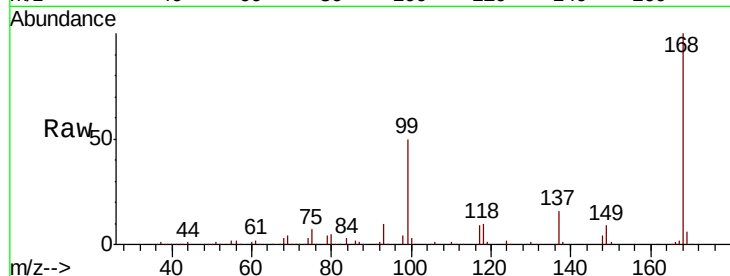
FA18-EX3

Tot Ion:168 Resp: 223643

Ion Ratio Lower Upper

168 100

99 50.4 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

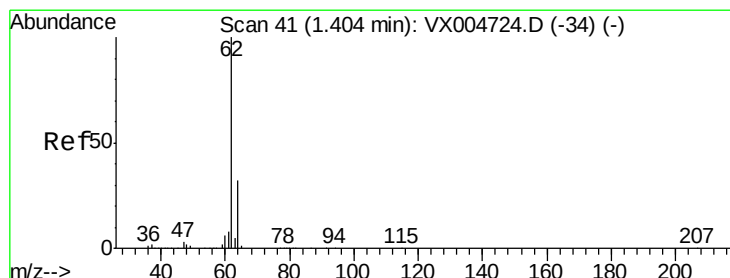
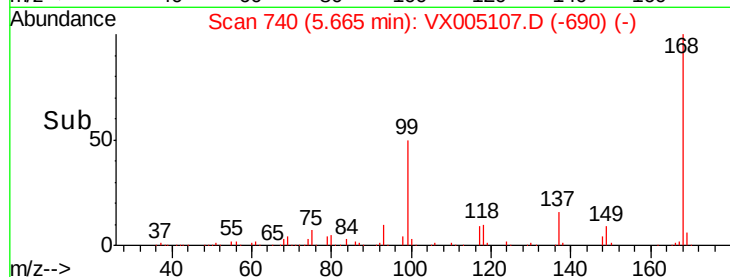
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 200.649 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX005107.D

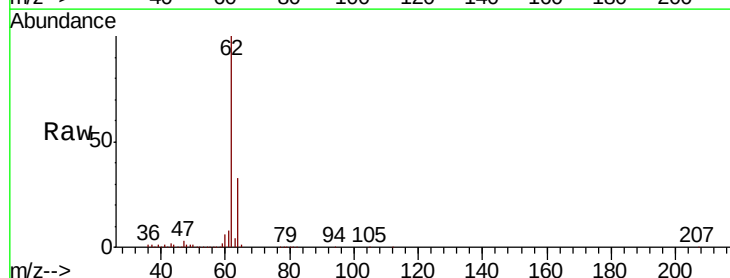
Acq: 06 Oct 2018 10:26

Tgt Ion: 62 Resp: 696217

Ion Ratio Lower Upper

62 100

64 32.7 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

800000

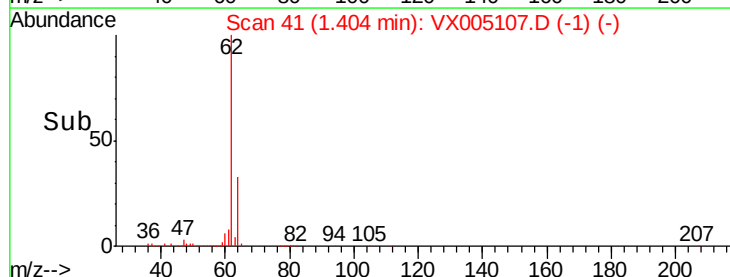
600000

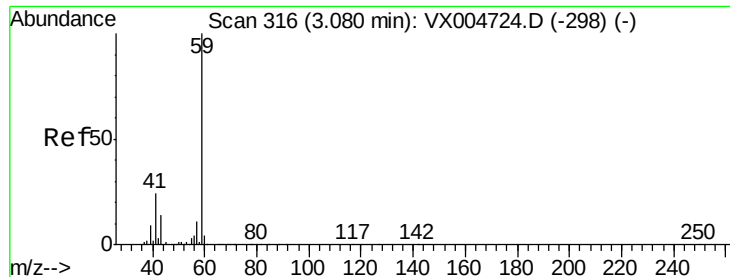
400000

200000

0

Time--> 1.30 1.40 1.50 1.60

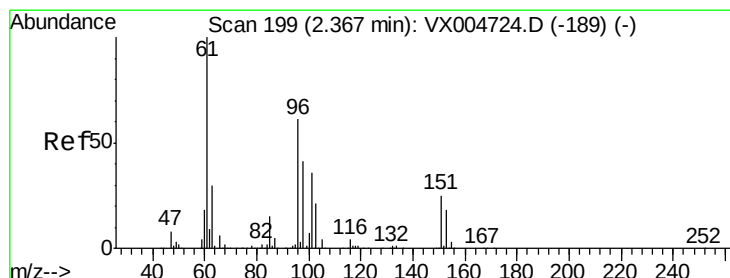
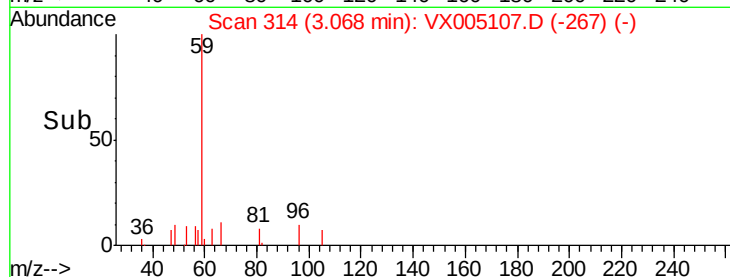
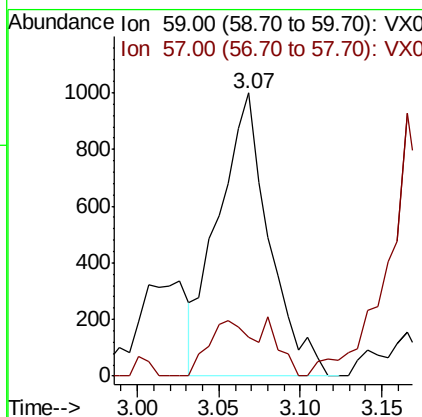
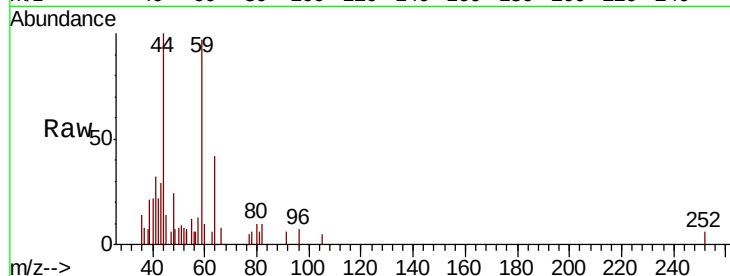




#11
Tert butyl alcohol
Concen: 2.421 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX005107.D
Acq: 06 Oct 2018 10:26

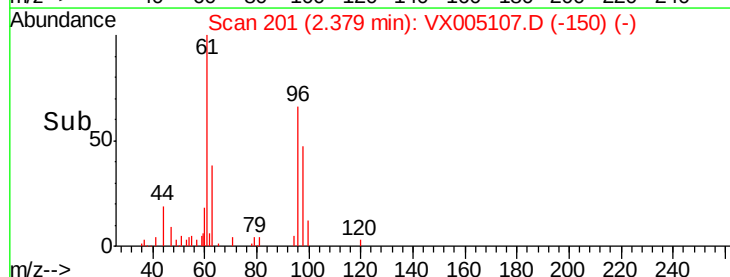
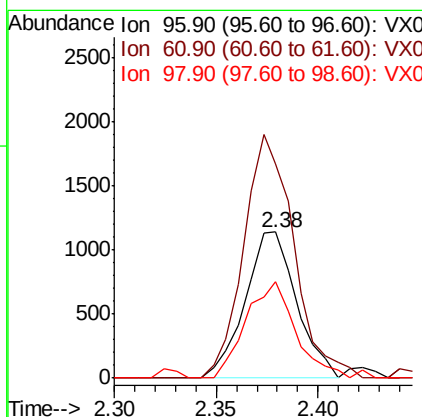
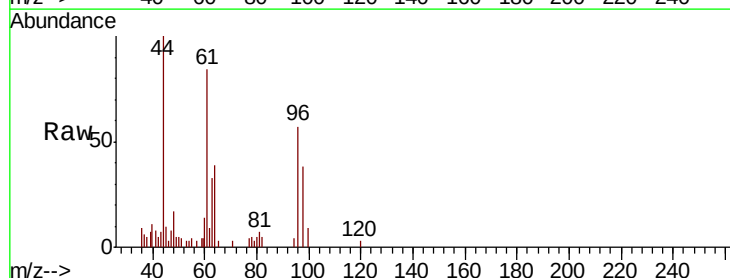
Instrument :
MSVOA_X
ClientSampled :
FA18-EX3

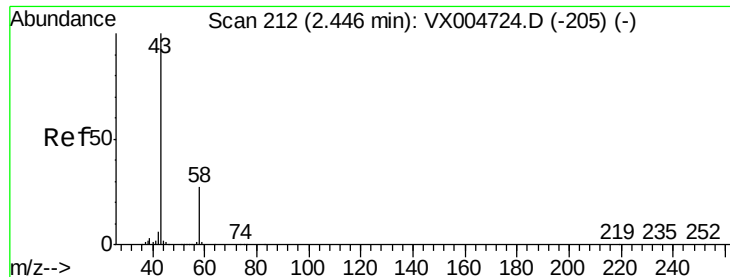
Tot Ion: 59 Resp: 2163
Ion Ratio Lower Upper
59 100
57 16.7 8.6 12.8#



#12
1,1-Dichloroethene
Concen: 0.825 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX005107.D
Acq: 06 Oct 2018 10:26

Tgt Ion: 96 Resp: 1999
Ion Ratio Lower Upper
96 100
61 146.9 130.2 195.4
98 65.7 53.4 80.0





#16

Acetone

Concen: 6.736 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005107.D

Acq: 06 Oct 2018 10:26

Instrument :

MSVOA_X

ClientSampleId :

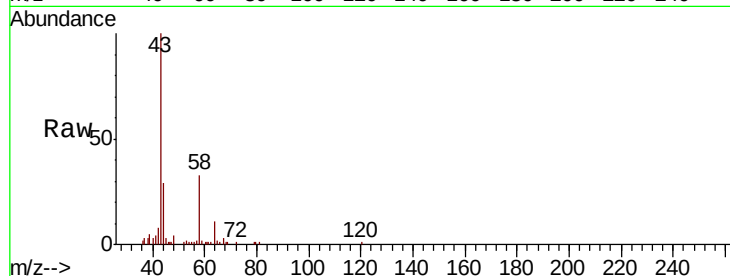
FA18-EX3

Tot Ion: 43 Resp: 12564

Ion Ratio Lower Upper

43 100

58 33.4 21.8 32.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8000

6000

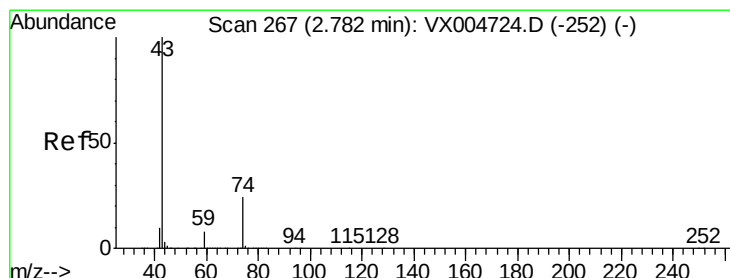
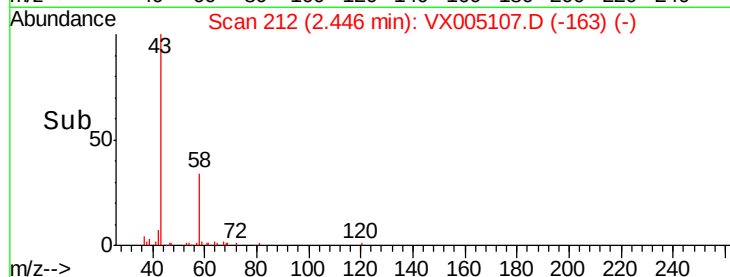
4000

2000

0

2.35 2.40 2.45 2.50 2.55

Time-->



#18

Methyl Acetate

Concen: 1.330 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005107.D

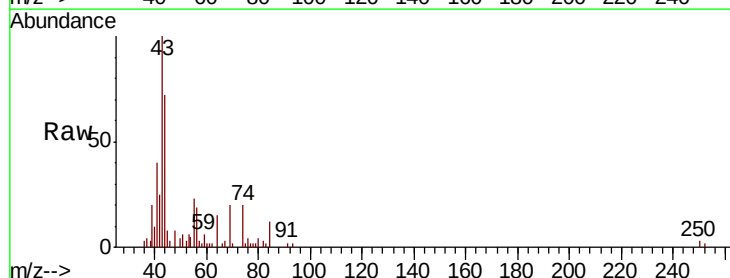
Acq: 06 Oct 2018 10:26

Tgt Ion: 43 Resp: 6285

Ion Ratio Lower Upper

43 100

74 20.9 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

3000

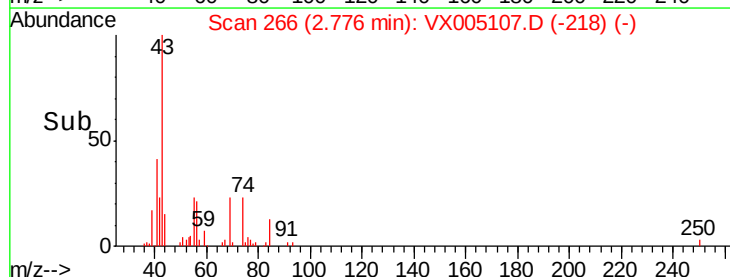
2000

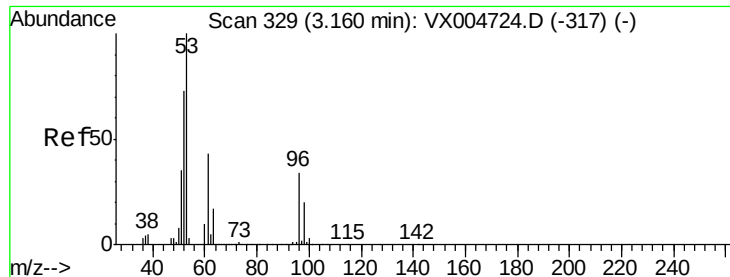
1000

0

2.70 2.75 2.80 2.85

Time-->





#21

trans-1,2-Dichloroethene

Concen: 1.440 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX005107.D

Acq: 06 Oct 2018 10:26

Instrument :

MSVOA_X

ClientSampleId :

FA18-EX3

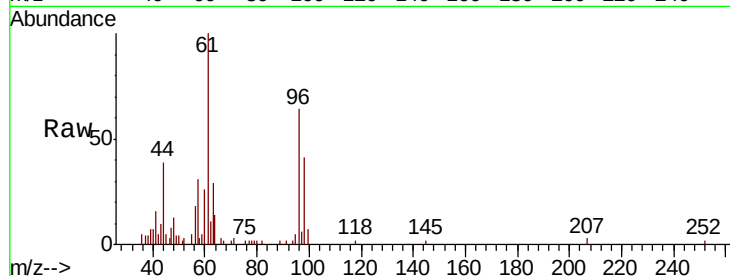
Tot Ion: 96 Resp: 3820

Ion Ratio Lower Upper

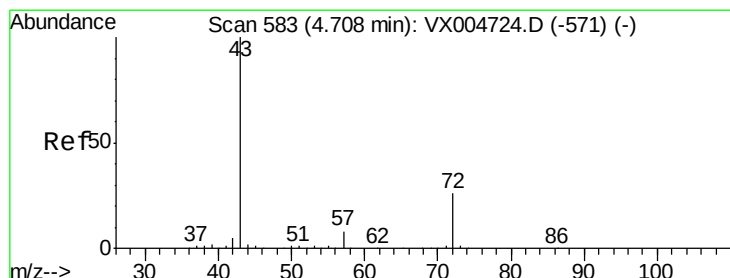
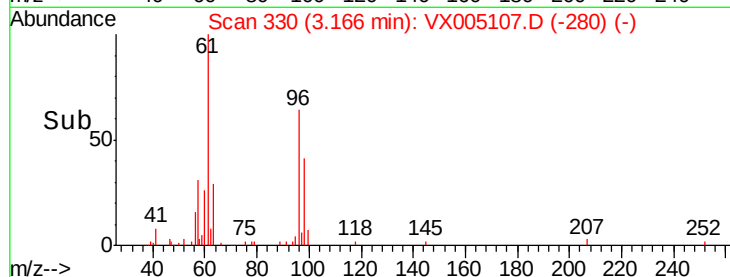
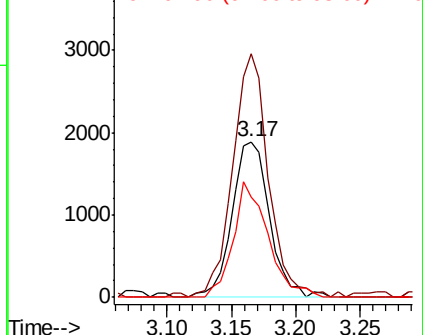
96 100

61 156.8 101.0 151.6#

98 64.3 47.2 70.8



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#25

2-Butanone

Concen: 5.361 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.00 min

Lab File: VX005107.D

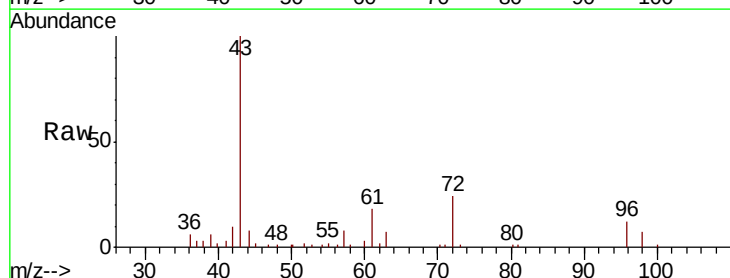
Acq: 06 Oct 2018 10:26

Tgt Ion: 43 Resp: 14739

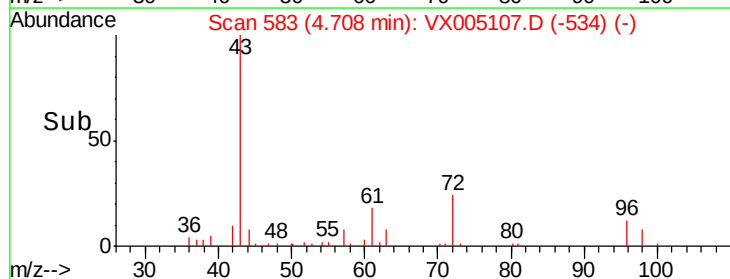
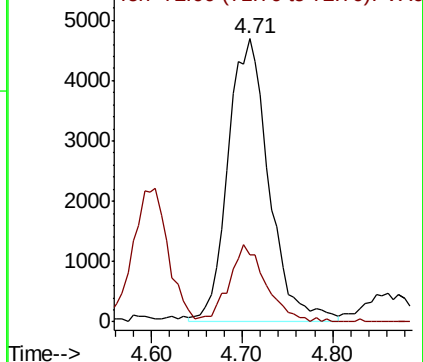
Ion Ratio Lower Upper

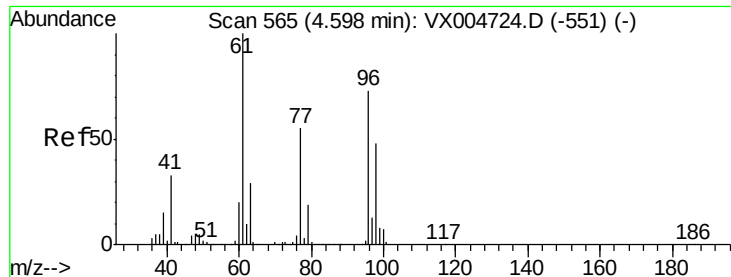
43 100

72 23.9 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0



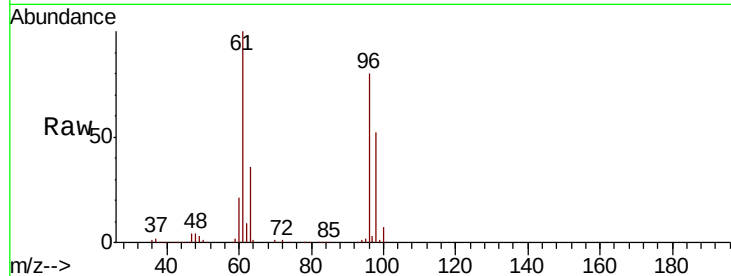


#27

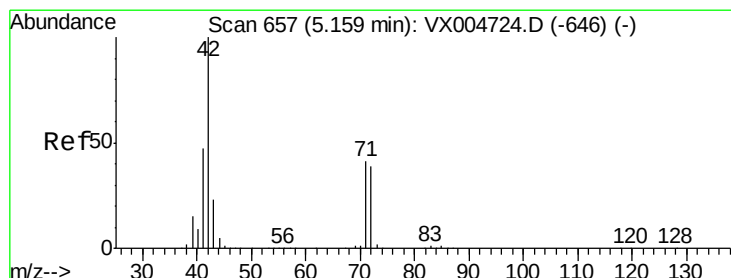
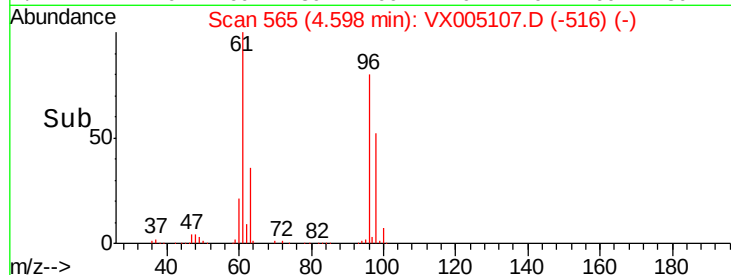
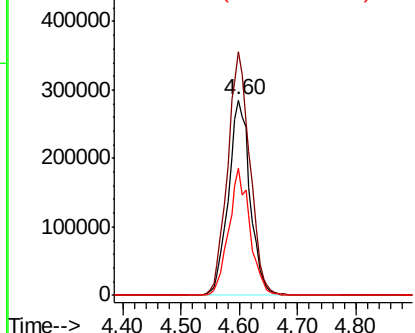
cis-1,2-Dichloroethene
 Concen: 250.761 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX005107.D
 Acq: 06 Oct 2018 10:26

Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-EX3

Tot Ion: 96 Resp: 743104
 Ion Ratio Lower Upper
 96 100
 61 127.8 0.0 285.8
 98 63.2 0.0 136.2



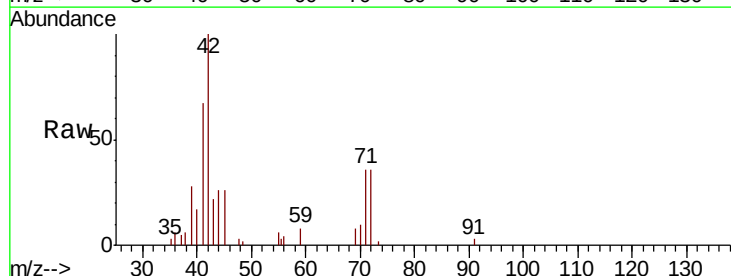
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



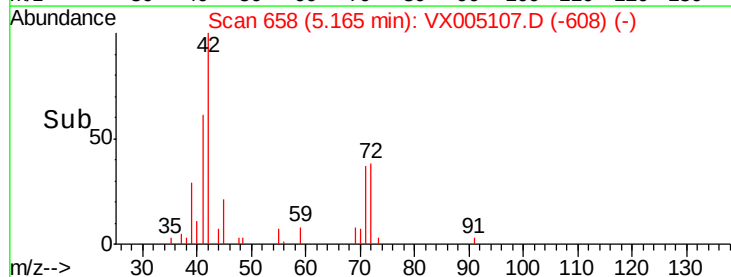
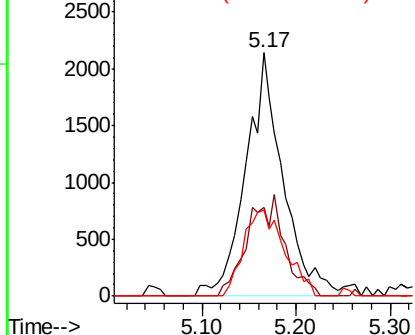
#29

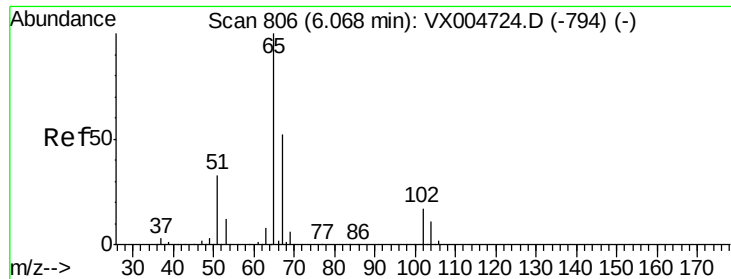
Tetrahydrofuran
 Concen: 3.456 ug/l
 RT: 5.17 min Scan# 658
 Delta R.T. 0.01 min
 Lab File: VX005107.D
 Acq: 06 Oct 2018 10:26

Tgt Ion: 42 Resp: 5905
 Ion Ratio Lower Upper
 42 100
 72 41.7 33.7 50.5
 71 39.1 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

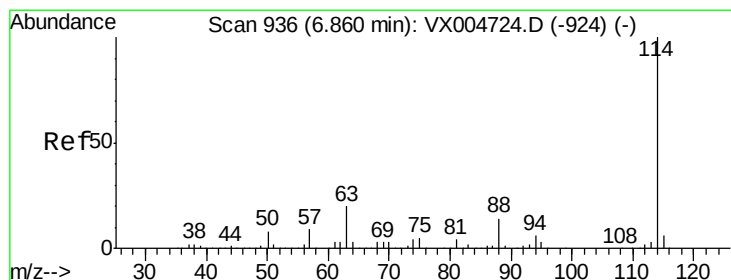
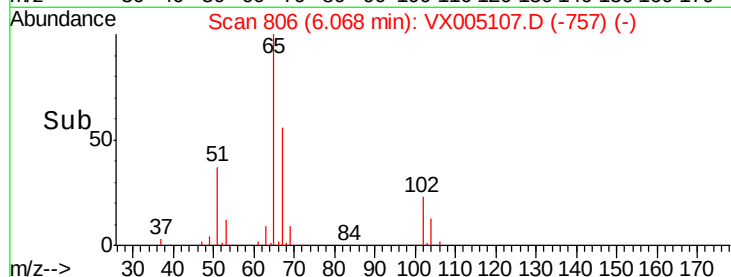
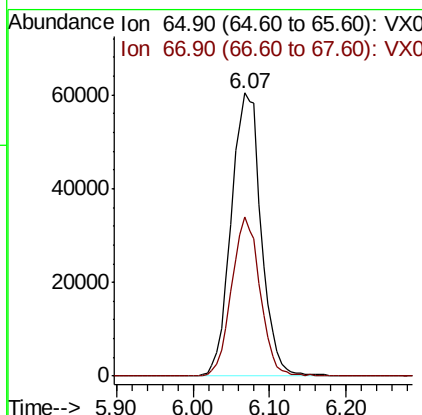
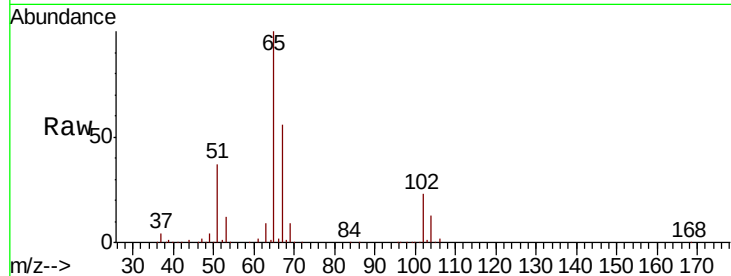




#33
 1,2-Dichloroethane-d4
 Concen: 51.379 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX005107.D
 Acq: 06 Oct 2018 10:26

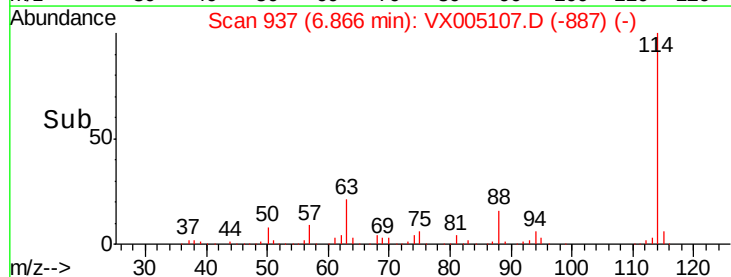
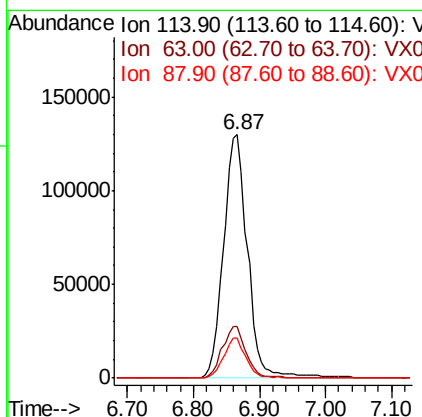
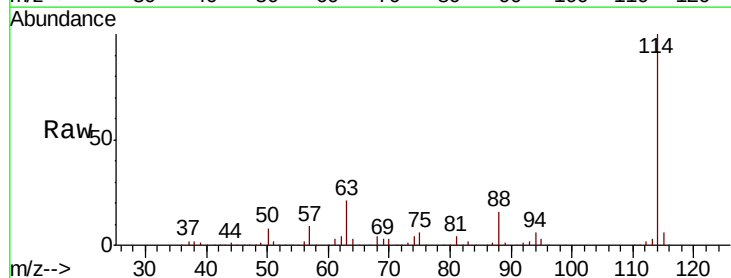
Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-EX3

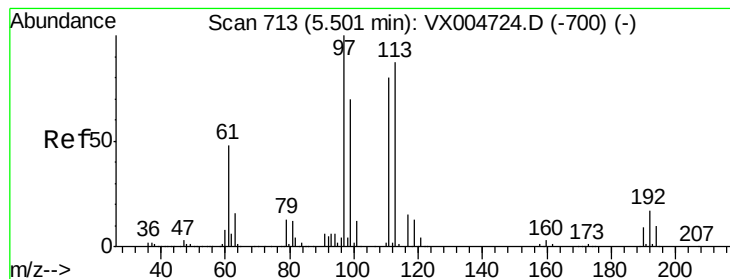
Tot Ion: 65 Resp: 164143
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX005107.D
 Acq: 06 Oct 2018 10:26

Tgt Ion: 114 Resp: 326851
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 39.8
 88 16.4 0.0 27.0





#35

Dibromofluoromethane

Concen: 53.119 ug/l

RT: 5.51 min Scan# 715

Delta R.T. 0.01 min

Lab File: VX005107.D

Acq: 06 Oct 2018 10:26

Instrument :

MSVOA_X

ClientSampleId :

FA18-EX3

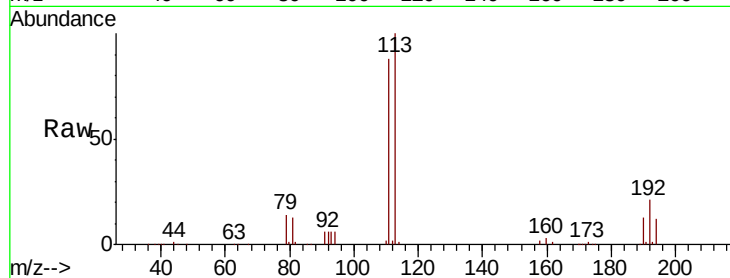
Tot Ion:113 Resp: 147146

Ion Ratio Lower Upper

113 100

111 101.3 77.0 115.4

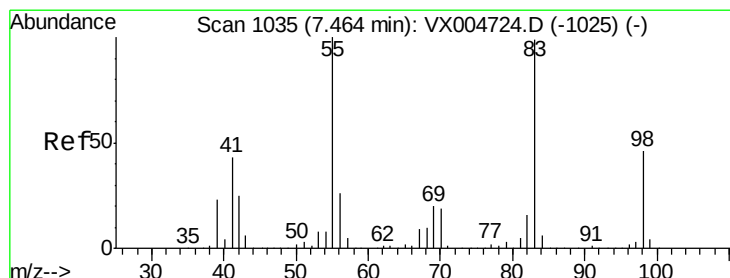
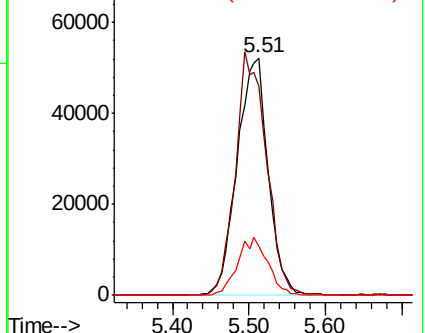
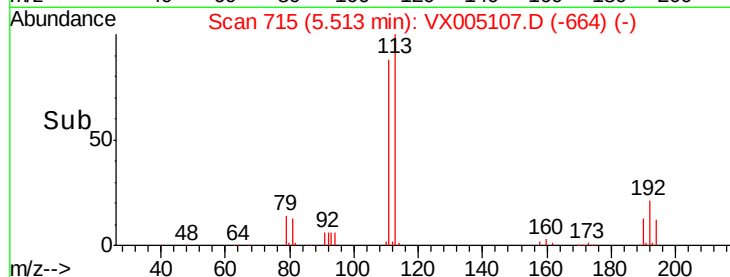
192 23.6 17.0 25.6



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



#39

Methylcyclohexane

Concen: 0.398 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.01 min

Lab File: VX005107.D

Acq: 06 Oct 2018 10:26

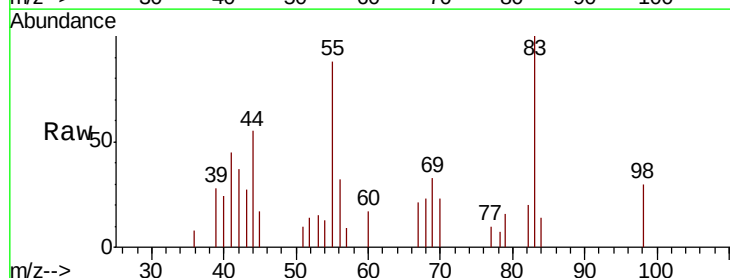
Tgt Ion: 83 Resp: 1535

Ion Ratio Lower Upper

83 100

55 88.0 81.1 121.7

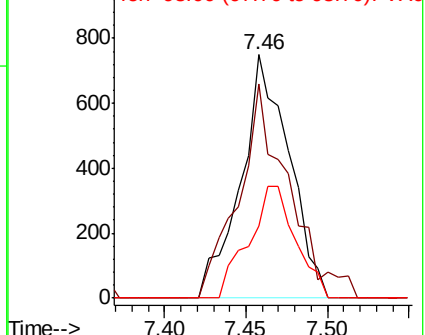
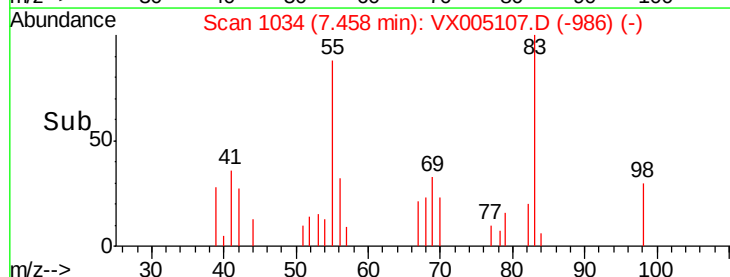
98 29.7 37.3 55.9#

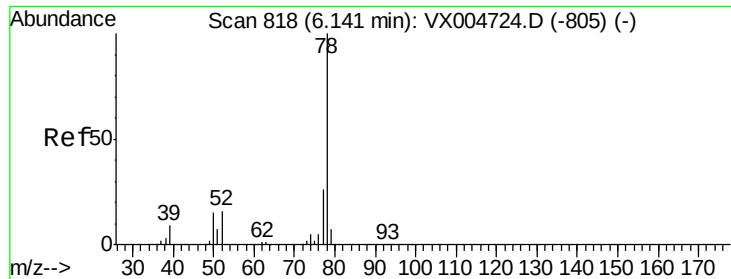


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 2.467 ug/l

RT: 6.15 min Scan# 820

Delta R.T. 0.01 min

Lab File: VX005107.D

Acq: 06 Oct 2018 10:26

Instrument :

MSVOA_X

ClientSampleId :

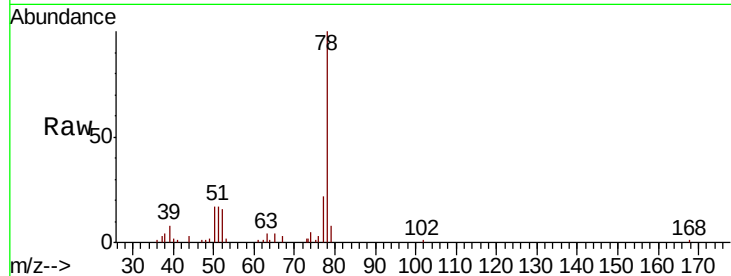
FA18-EX3

Tot Ion: 78 Resp: 29185

Ion Ratio Lower Upper

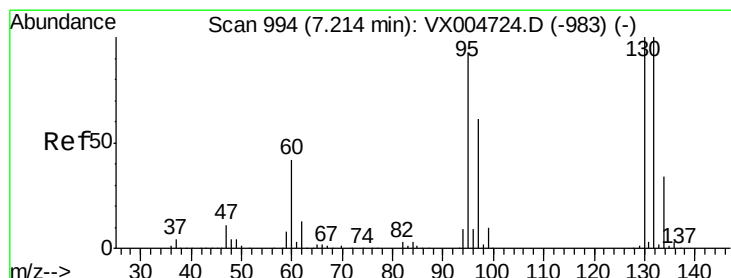
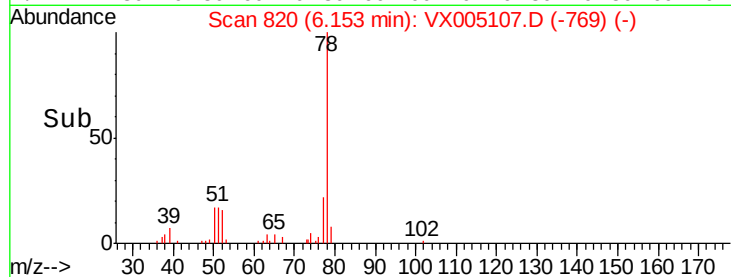
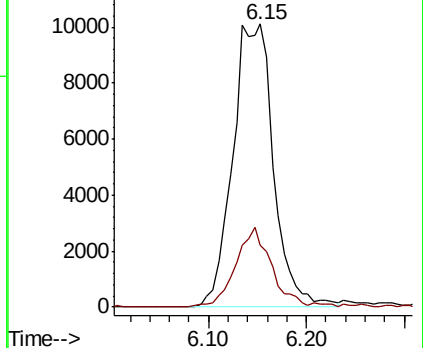
78 100

77 21.8 21.0 31.4



Abundance Ion 78.00 (77.70 to 78.70): VX005107.D (-769) (-)

Ion 77.00 (76.70 to 77.70): VX005107.D (-769) (-)



#44

Trichloroethene

Concen: 4.227 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX005107.D

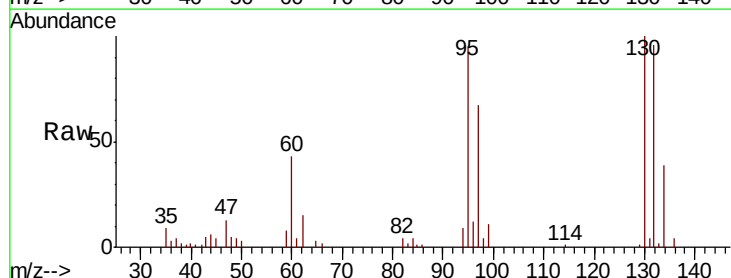
Acq: 06 Oct 2018 10:26

Tgt Ion: 130 Resp: 12296

Ion Ratio Lower Upper

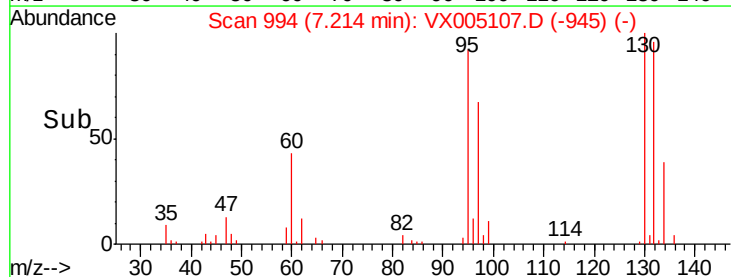
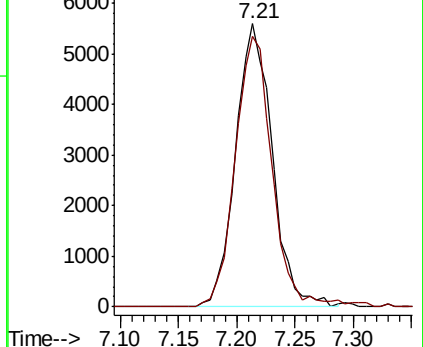
130 100

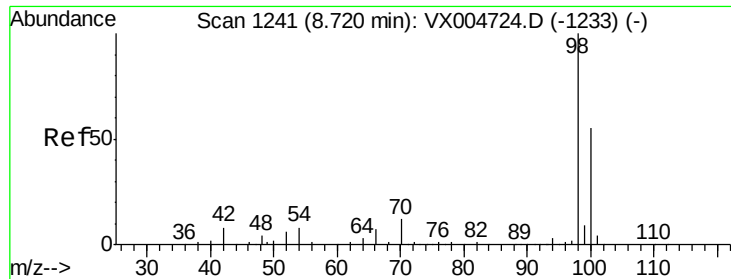
95 95.4 0.0 186.8



Abundance Ion 129.80 (129.50 to 130.50): VX005107.D (-945) (-)

Ion 94.90 (94.60 to 95.60): VX005107.D (-945) (-)

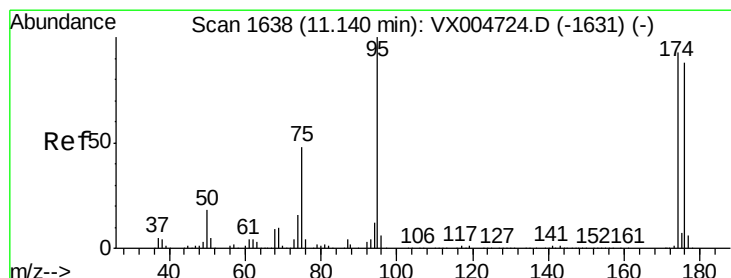
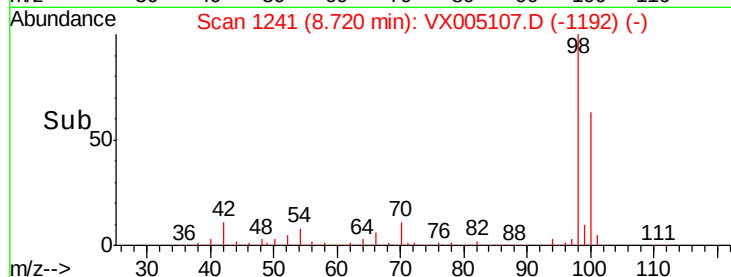
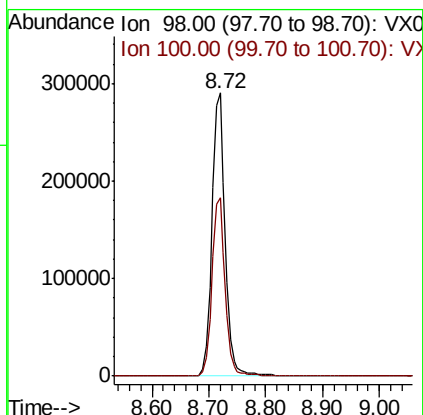
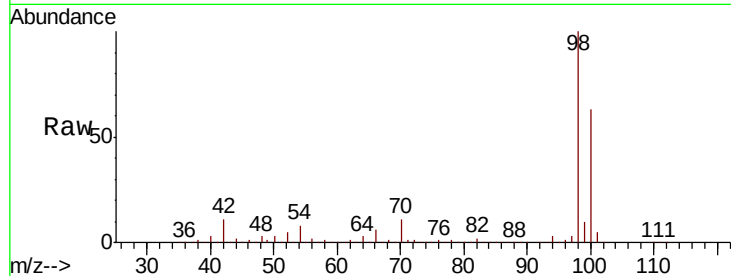




#50
Toluene-d8
Concen: 50.771 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX005107.D
Acq: 06 Oct 2018 10:26

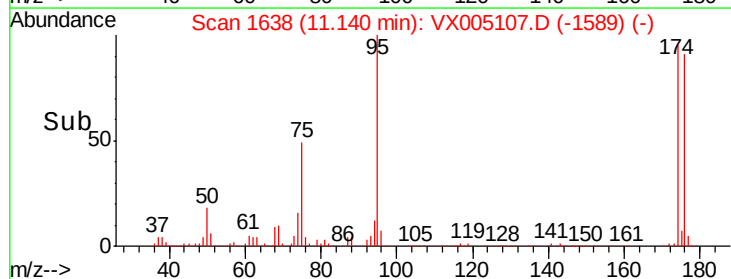
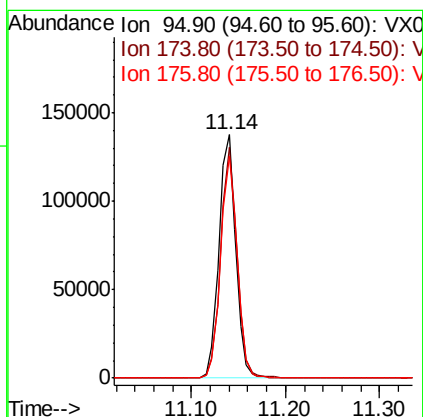
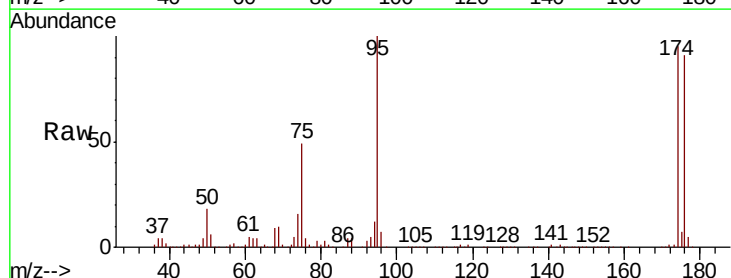
Instrument :
MSVOA_X
ClientSampleId :
FA18-EX3

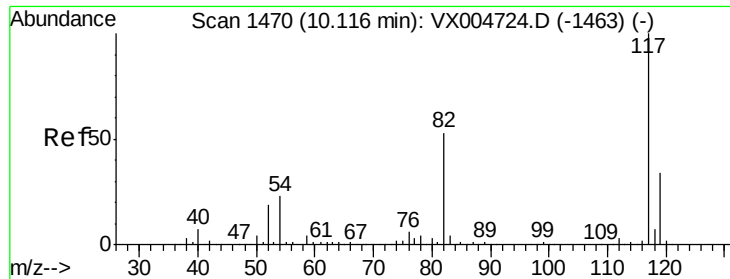
Tot Ion: 98 Resp: 467556
Ion Ratio Lower Upper
98 100
100 63.4 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 51.611 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005107.D
Acq: 06 Oct 2018 10:26

Tgt Ion: 95 Resp: 171228
Ion Ratio Lower Upper
95 100
174 92.4 0.0 185.0
176 89.9 0.0 180.2

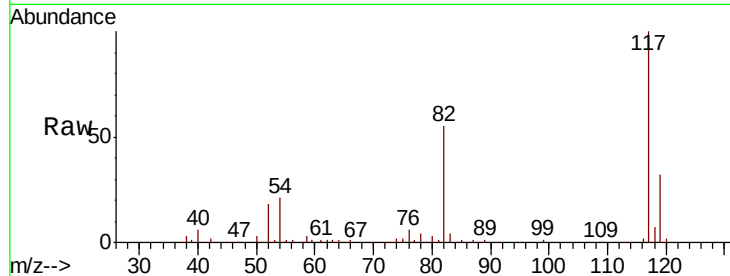




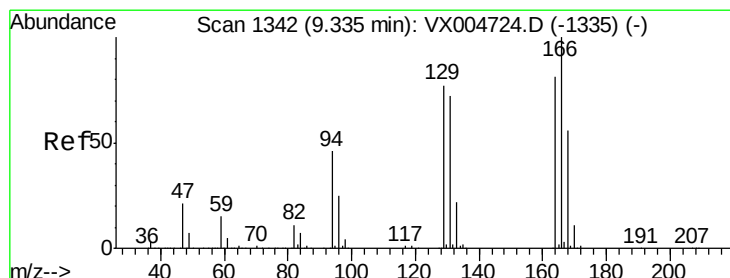
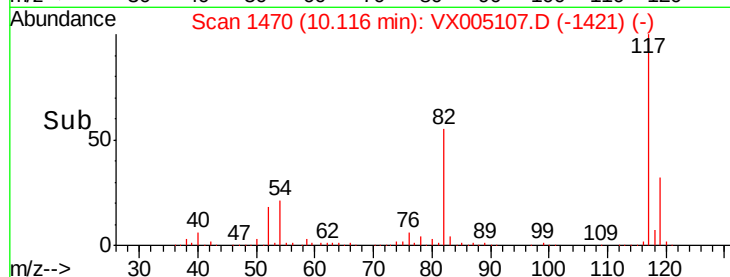
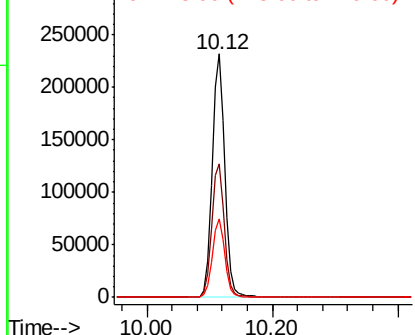
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005107.D
Acq: 06 Oct 2018 10:26

Instrument :
MSVOA_X
ClientSampleId :
FA18-EX3

Tot Ion:117 Resp: 319904
Ion Ratio Lower Upper
117 100
82 54.8 42.2 63.4
119 32.1 27.4 41.0

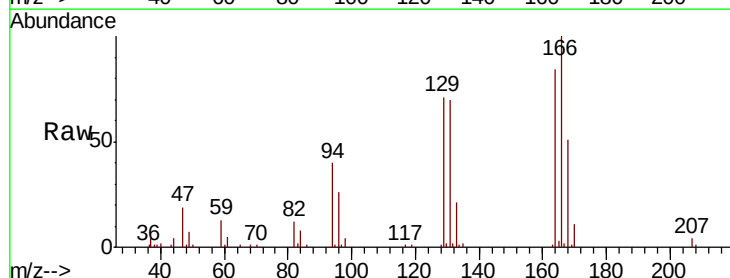


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX
Ion 118.90 (118.60 to 119.60): V

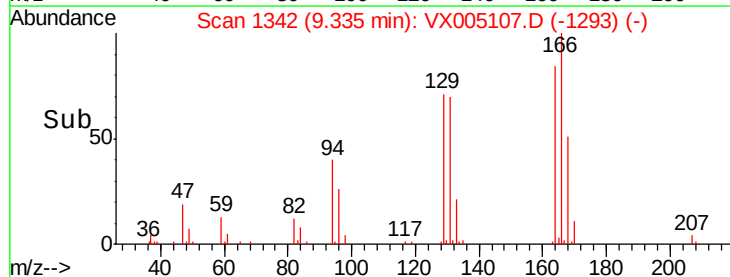
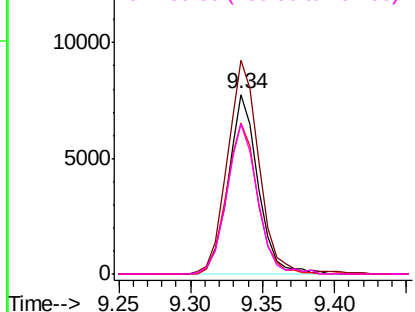


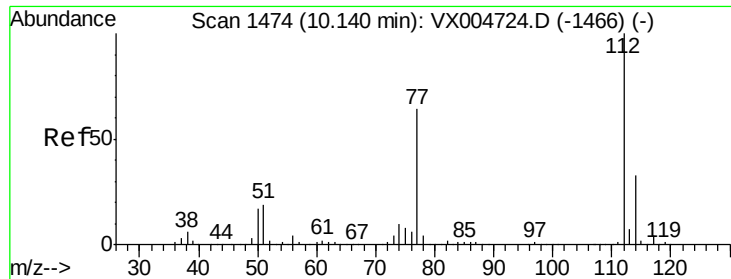
#64
Tetrachloroethene
Concen: 3.566 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX005107.D
Acq: 06 Oct 2018 10:26

Tgt Ion:164 Resp: 11229
Ion Ratio Lower Upper
164 100
166 118.8 98.4 147.6
129 84.1 76.1 114.1
131 83.3 71.0 106.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

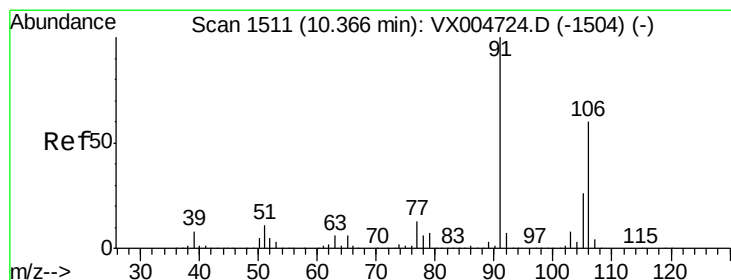
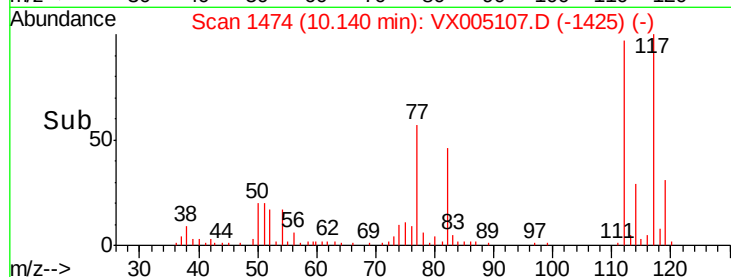
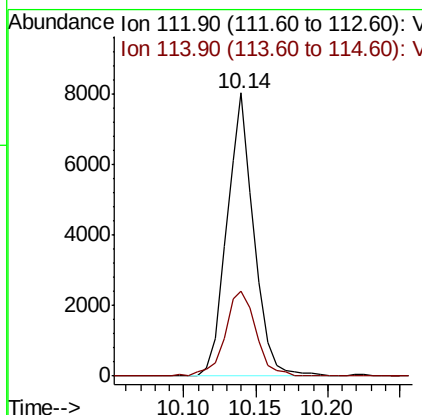
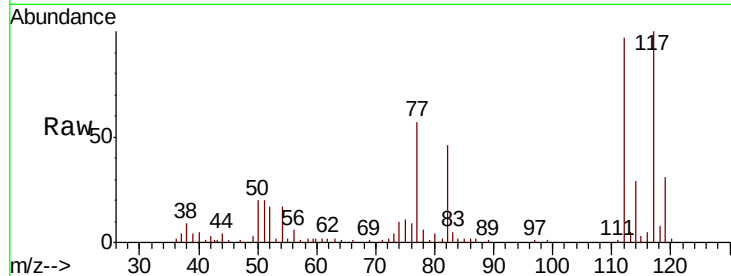




#65
Chlorobenzene
Concen: 1.280 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX005107.D
Acq: 06 Oct 2018 10:26

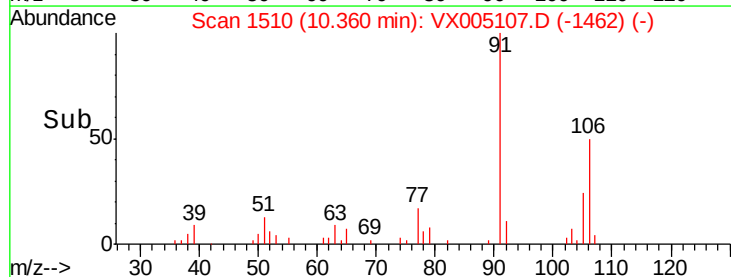
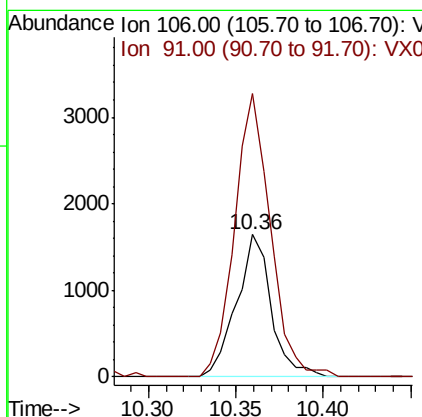
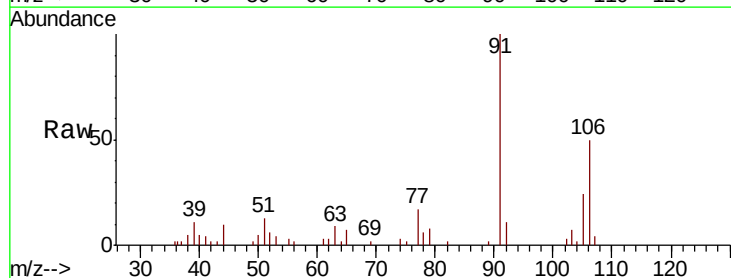
Instrument :
MSVOA_X
ClientSampleId :
FA18-EX3

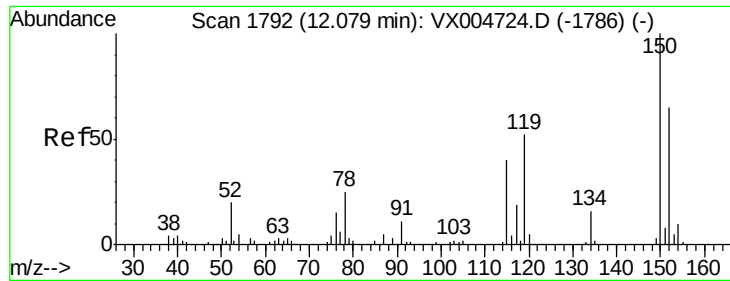
Tot Ion:112 Resp: 10501
Ion Ratio Lower Upper
112 100
114 30.1 26.7 40.1



#68
m/p-Xylenes
Concen: 0.444 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX005107.D
Acq: 06 Oct 2018 10:26

Tgt Ion:106 Resp: 2260
Ion Ratio Lower Upper
106 100
91 206.4 157.5 236.3



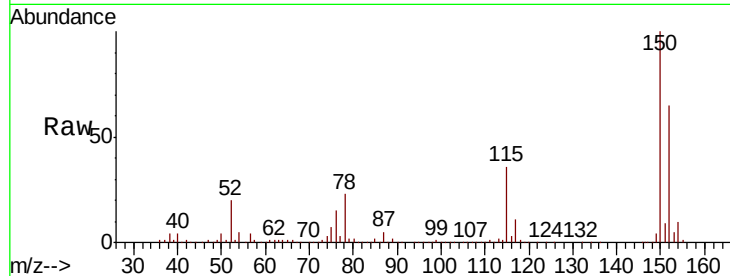


#72

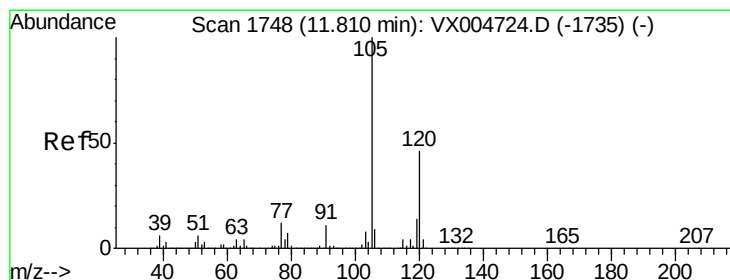
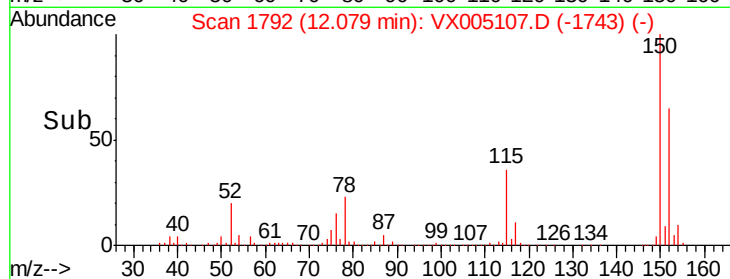
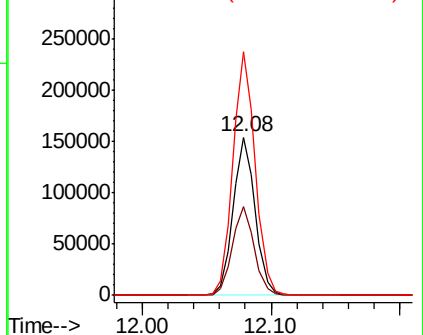
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005107.D
Acq: 06 Oct 2018 10:26

Instrument :
MSVOA_X
ClientSampleId :
FA18-EX3

Tot Ion:152 Resp: 183521
Ion Ratio Lower Upper
152 100
115 56.0 40.2 120.6
150 156.3 0.0 351.0



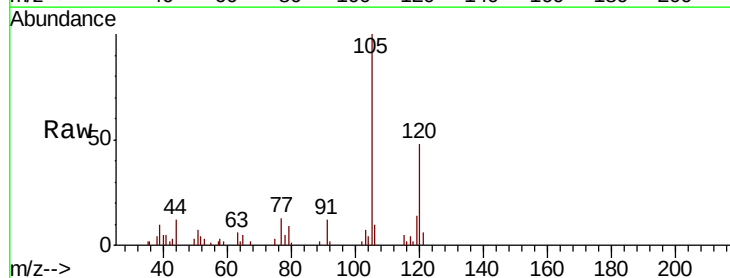
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



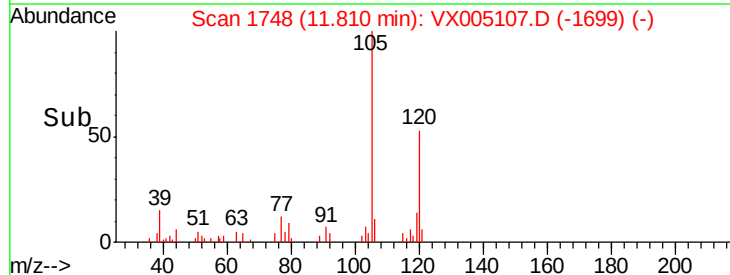
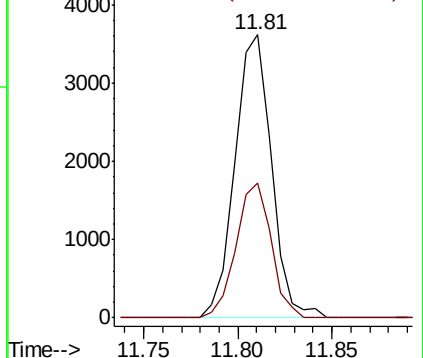
#84

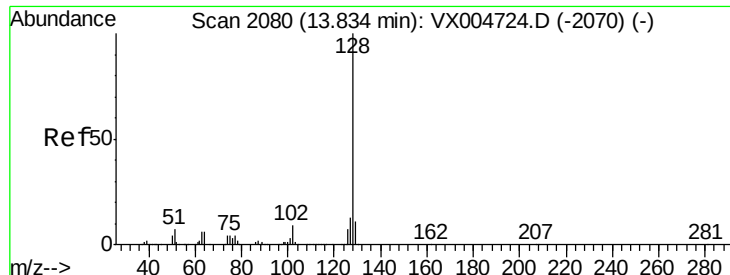
1,2,4-Trimethylbenzene
Concen: 0.248 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VX005107.D
Acq: 06 Oct 2018 10:26

Tgt Ion:105 Resp: 4860
Ion Ratio Lower Upper
105 100
120 45.8 22.8 68.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 2.087 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005107.D

Acq: 06 Oct 2018 10:26

Instrument :

MSVOA_X

ClientSampleId :

FA18-EX3

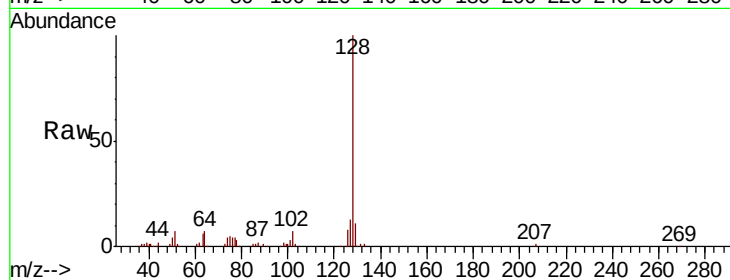
Tot Ion:128 Resp: 21175

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

129 11.9 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

