

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092718\
 Data File : VX004781.D
 Acq On : 27 Sep 2018 18:24
 Operator : JC/MD
 Sample : J5048-16 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-150-SEP18

Quant Time: Sep 28 05:52:22 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	233000	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	382653	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	377453	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	212151	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	180638	54.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.54%	
35) Dibromofluoromethane	5.51	113	152569	47.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.10%	
50) Toluene-d8	8.72	98	560014	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	
62) 4-Bromofluorobenzene	11.14	95	203971	52.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.02%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.45	85	1115	0.351 ug/l	99
4) Vinyl Chloride	1.40	62	62321	17.240 ug/l	100
5) Bromomethane	1.63	94	501	0.234 ug/l	97
6) Chloroethane	1.61	64	658	Below Cal #	56
9) 1,1,2-Trichlorotrifluoroet	2.39	101	16579	6.503 ug/l	97
11) Tert butyl alcohol	3.02	59	9556	10.268 ug/l #	80
12) 1,1-Dichloroethene	2.37	96	7233	2.865 ug/l	93
13) Acrolein	2.28	56	239	0.361 ug/l #	16
16) Acetone	2.45	43	1473	0.758 ug/l	91
20) Methylene Chloride	2.86	84	928	Below Cal #	57
21) trans-1,2-Dichloroethene	3.17	96	6962	2.519 ug/l	98
24) 1,1-Dichloroethane	3.70	63	94482	17.076 ug/l	98
25) 2-Butanone	4.71	43	4944	1.726 ug/l #	84
27) cis-1,2-Dichloroethene	4.60	96	288286	93.376 ug/l	95
29) Tetrahydrofuran	5.17	42	938	0.527 ug/l #	62
30) Chloroform	5.21	83	2823	0.540 ug/l	97
31) Cyclohexane	5.66	56	4692	1.108 ug/l #	1
32) 1,1,1-Trichloroethane	5.49	97	16687	3.907 ug/l	99
36) 1,1-Dichloropropene	5.66	75	16312	3.687 ug/l #	50
38) Carbon Tetrachloride	5.66	117	20663	4.443 ug/l #	15
44) Trichloroethene	7.21	130	11181	3.283 ug/l	100
52) Toluene	8.79	92	1991	0.262 ug/l	98
56) Ethyl methacrylate	9.21	69	27	2.867 ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.22	63	19	14.248 ug/l #	45
60) Dibromochloromethane	9.34	129	955	0.286 ug/l #	11
64) Tetrachloroethene	9.34	164	1064	0.286 ug/l	93
68) m/p-Xylenes	10.37	106	1306	0.217 ug/l	99
69) o-Xylene	10.70	106	2505	0.454 ug/l	84
70) Styrene	10.70	104	198	2.159 ug/l #	1
74) N-amyl acetate	10.93	43	51	1.755 ug/l #	13
76) 1,2,3-Trichloropropane	11.14	75	100462	21.127 ug/l #	37
80) 1,3,5-Trimethylbenzene	11.44	105	265	Below Cal	94
81) trans-1,4-Dichloro-2-buten	11.14	75	100462	57.319 ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	463	Below Cal	89

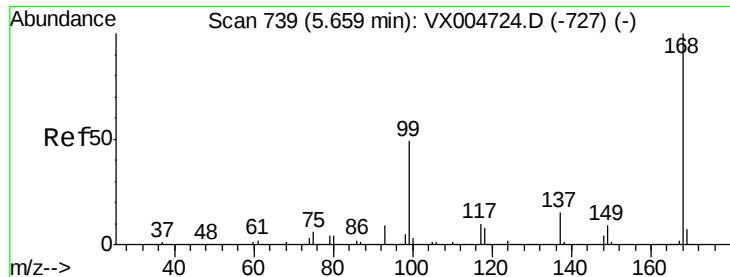
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092718\
Data File : VX004781.D
Acq On : 27 Sep 2018 18:24
Operator : JC/MD
Sample : J5048-16 10X
Misc : 5.0mL/MSVOA X/WATER
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Quant Time: Sep 28 05:52:22 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
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)
88) 1,4-Dichlorobenzene	12.10	146	6792	0.907	ug/l #	63
91) 1,2-Dichlorobenzene	12.40	146	52856	6.974	ug/l	98
95) Naphthalene	13.83	128	61776	4.170	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004781.D

Acq: 27 Sep 2018 18:24

Instrument :

MSVOA_X

ClientSampleId :

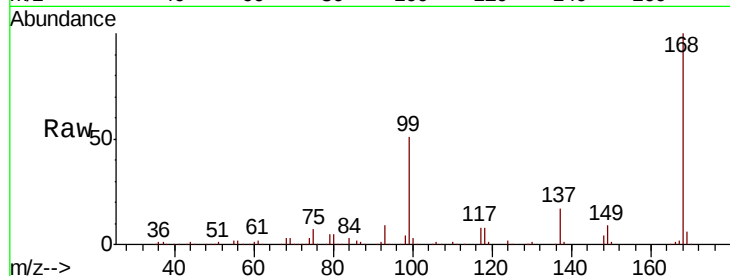
MW-150-SEP18

Tot Ion:168 Resp: 233000

Ion Ratio Lower Upper

168 100

99 51.5 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

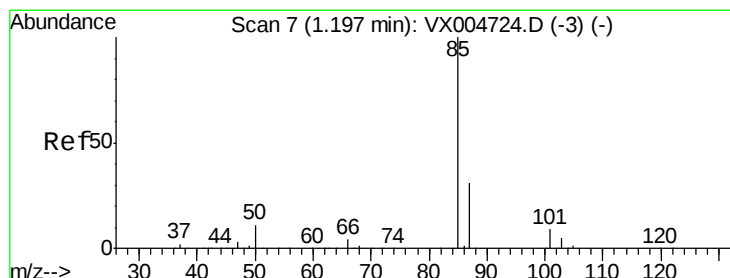
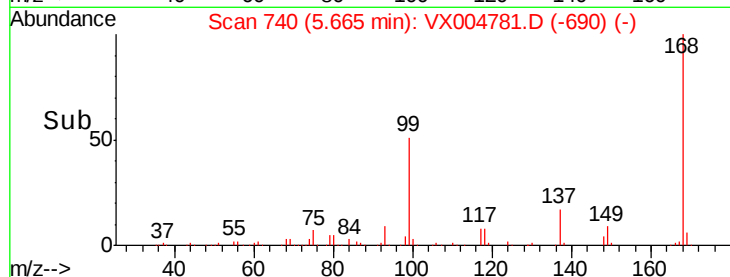
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.351 ug/l

RT: 1.45 min Scan# 48

Delta R.T. 0.25 min

Lab File: VX004781.D

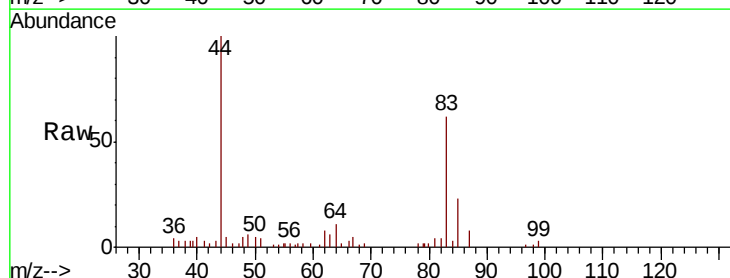
Acq: 27 Sep 2018 18:24

Tgt Ion: 85 Resp: 1115

Ion Ratio Lower Upper

85 100

87 33.3 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.45

1000

800

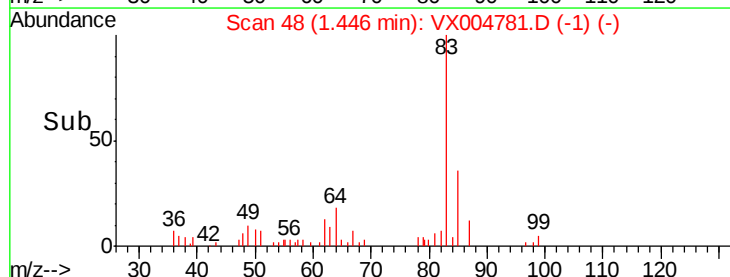
600

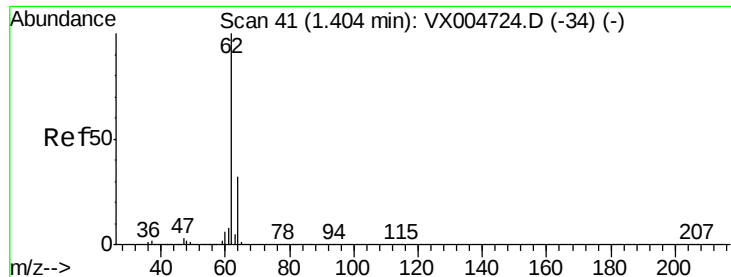
400

200

0

Time--> 1.40 1.42 1.44 1.46 1.48





#4

Vinyl Chloride

Concen: 17.240 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004781.D

Acq: 27 Sep 2018 18:24

Instrument :

MSVOA_X

ClientSampleId :

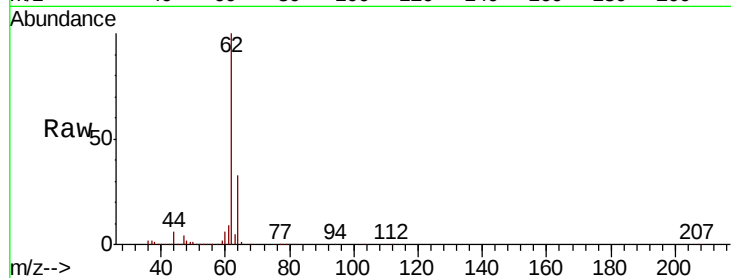
MW-150-SEP18

Tot Ion: 62 Resp: 62321

Ion Ratio Lower Upper

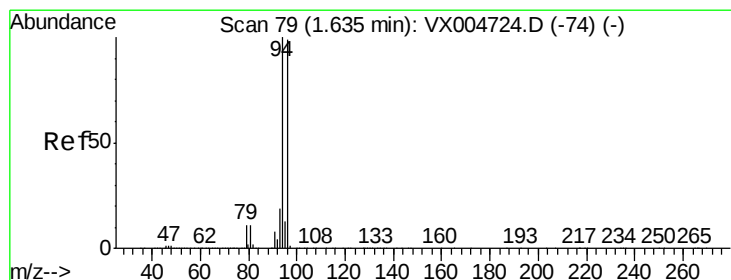
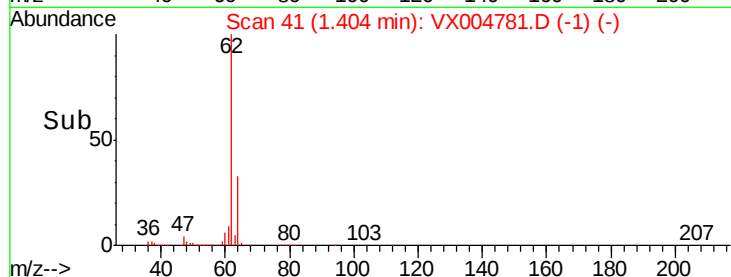
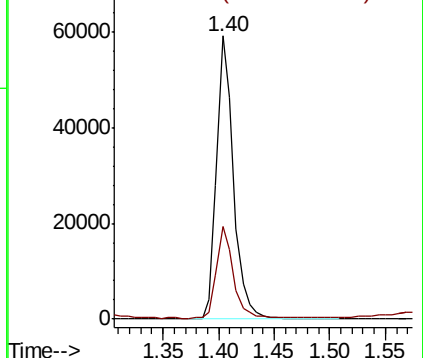
62 100

64 32.5 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 0.234 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.01 min

Lab File: VX004781.D

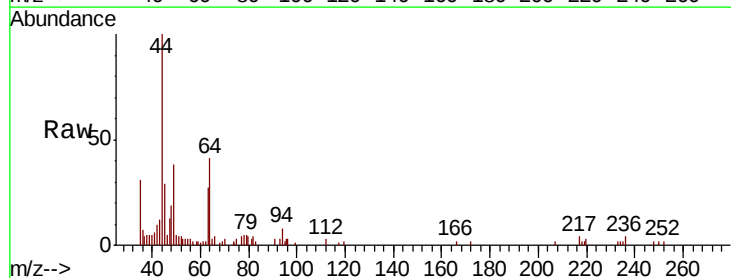
Acq: 27 Sep 2018 18:24

Tgt Ion: 94 Resp: 501

Ion Ratio Lower Upper

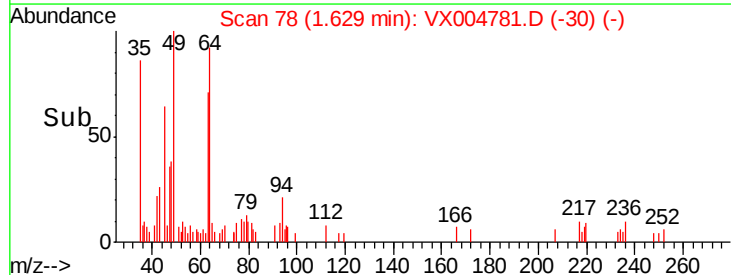
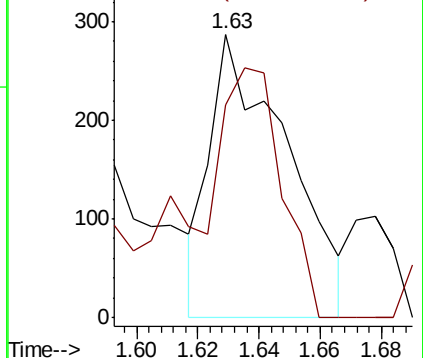
94 100

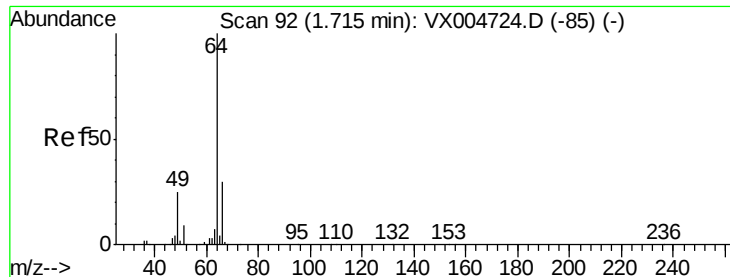
96 96.4 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.61 min Scan# 75

Delta R.T. -0.10 min

Lab File: VX004781.D

Acq: 27 Sep 2018 18:24

Instrument :

MSVOA_X

ClientSampleId :

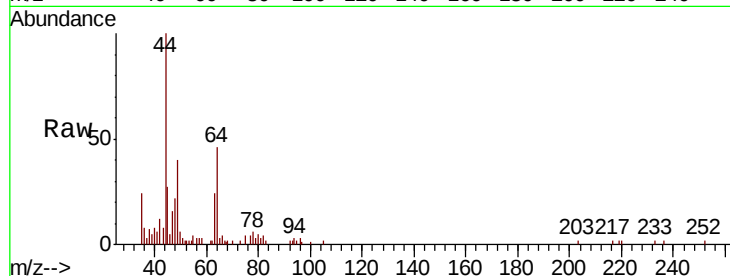
MW-150-SEP18

Tot Ion: 64 Resp: 658

Ion Ratio Lower Upper

64 100

66 6.5 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.61

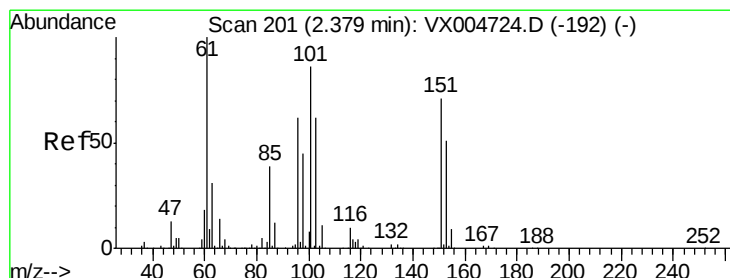
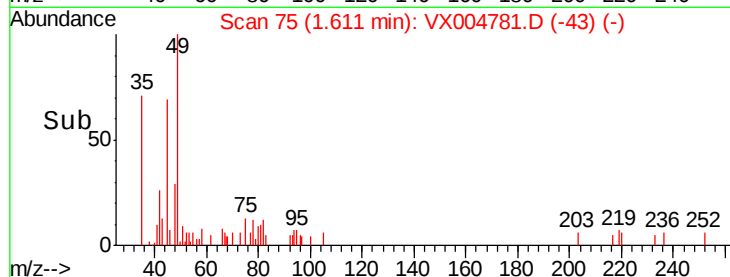
1500

1000

500

0

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.503 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX004781.D

Acq: 27 Sep 2018 18:24

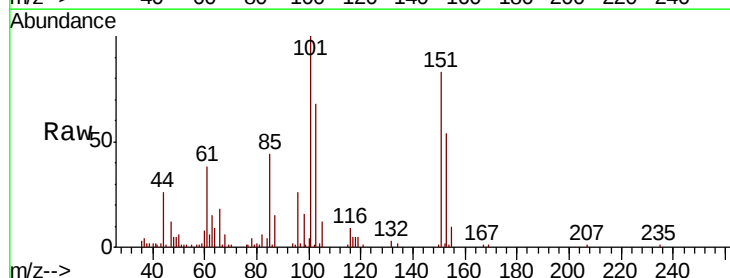
Tgt Ion:101 Resp: 16579

Ion Ratio Lower Upper

101 100

85 45.3 34.2 51.4

151 84.2 65.0 97.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

10000

8000

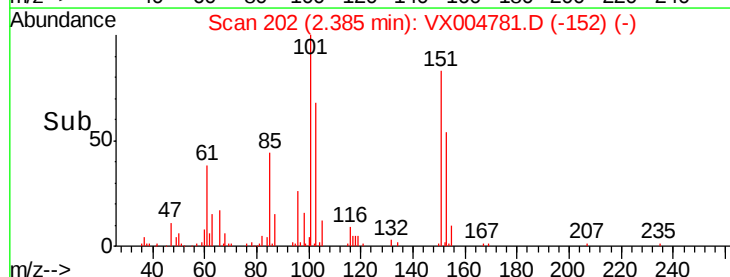
6000

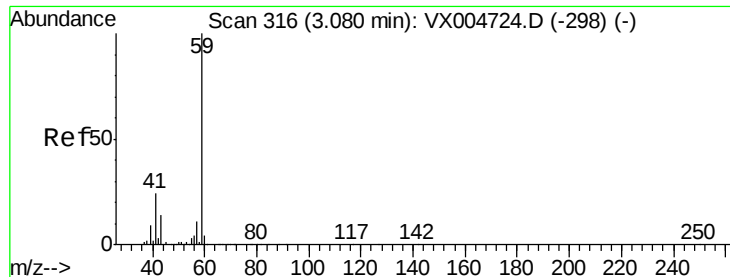
4000

2000

0

Time-->



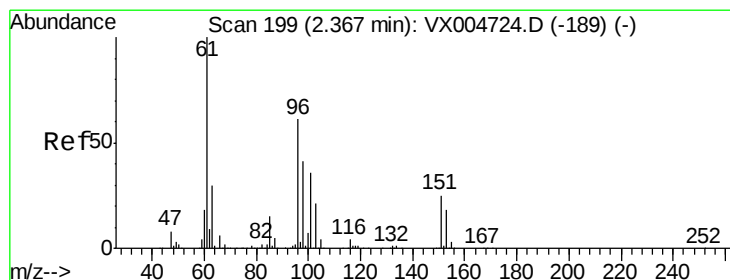
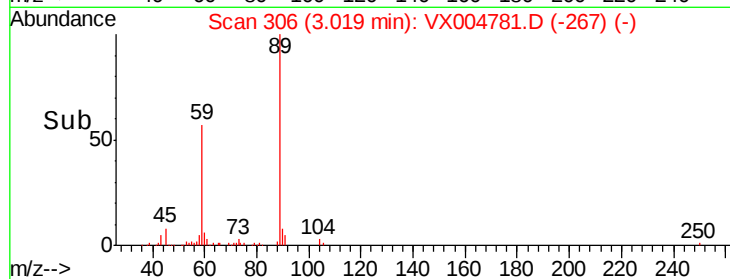
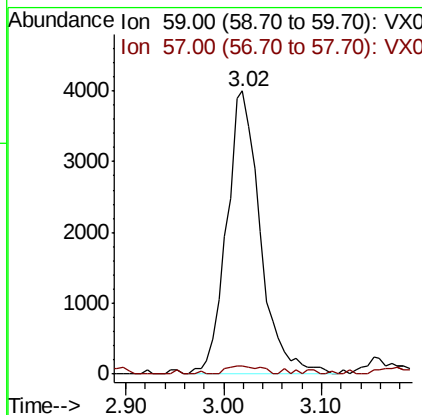
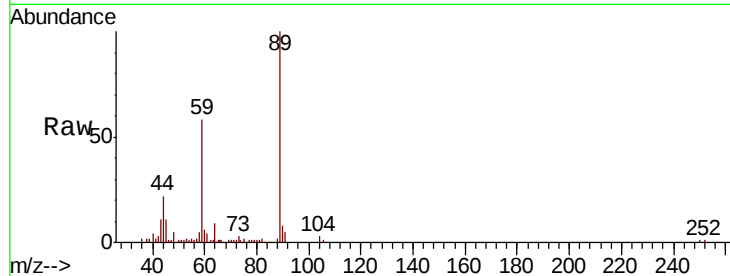


#11

Tert butyl alcohol
 Concen: 10.268 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.06 min
 Lab File: VX004781.D
 Acq: 27 Sep 2018 18:24

Instrument :
 MSVOA_X
 ClientSampled :
 MW-150-SEP18

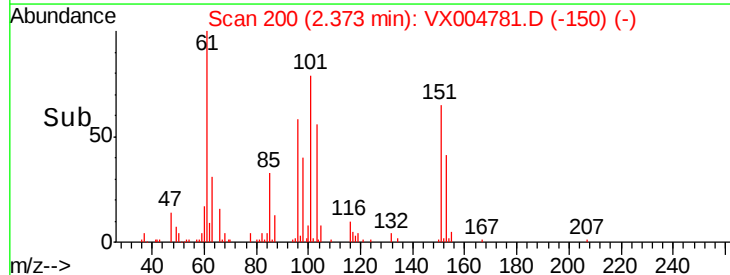
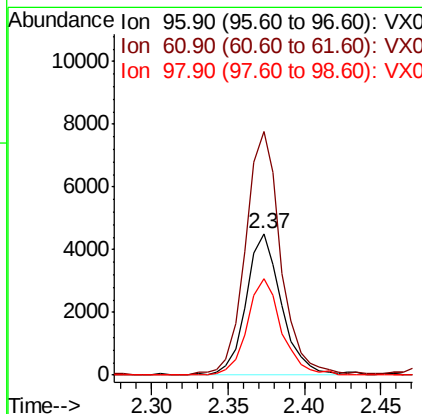
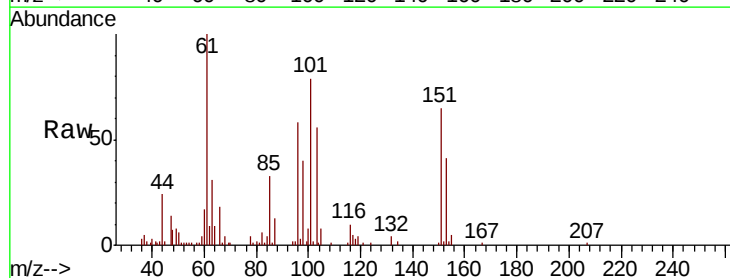
Tot Ion: 59 Resp: 9556
 Ion Ratio Lower Upper
 59 100
 57 3.0 8.2 12.4#

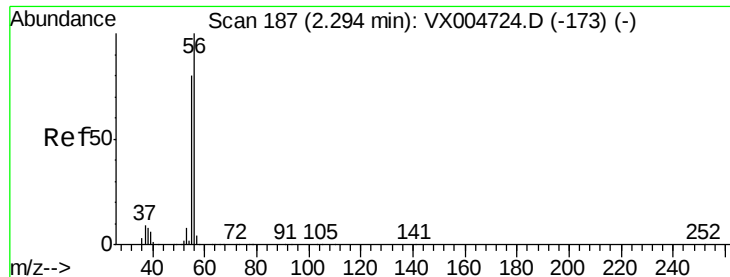


#12

1,1-Dichloroethene
 Concen: 2.865 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.01 min
 Lab File: VX004781.D
 Acq: 27 Sep 2018 18:24

Tgt Ion: 96 Resp: 7233
 Ion Ratio Lower Upper
 96 100
 61 172.0 128.8 193.2
 98 68.1 52.2 78.2





#13

Acrolein

Concen: 0.361 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX004781.D

Acq: 27 Sep 2018 18:24

Instrument :

MSVOA_X

ClientSampleId :

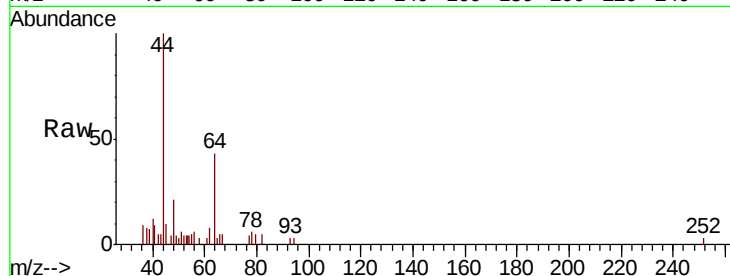
MW-150-SEP18

Tot Ion: 56 Resp: 239

Ion Ratio Lower Upper

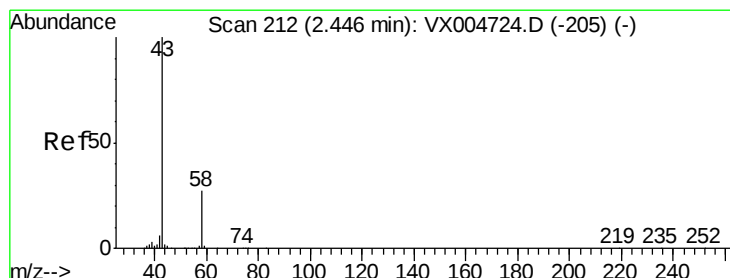
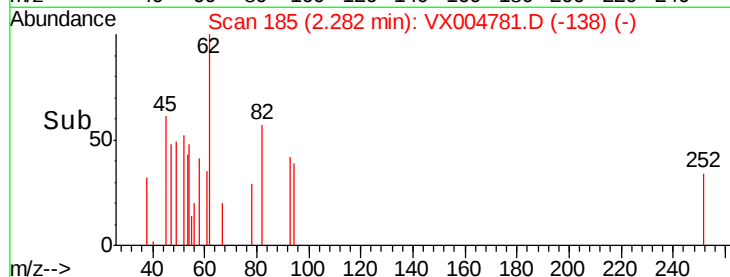
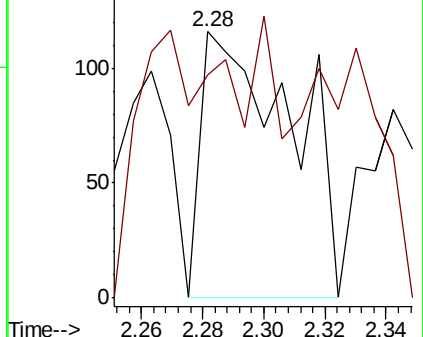
56 100

55 0.0 54.7 82.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.758 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004781.D

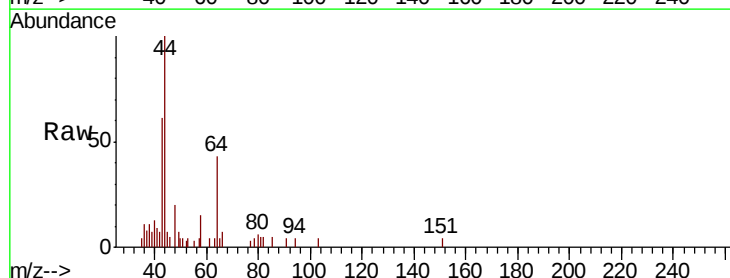
Acq: 27 Sep 2018 18:24

Tgt Ion: 43 Resp: 1473

Ion Ratio Lower Upper

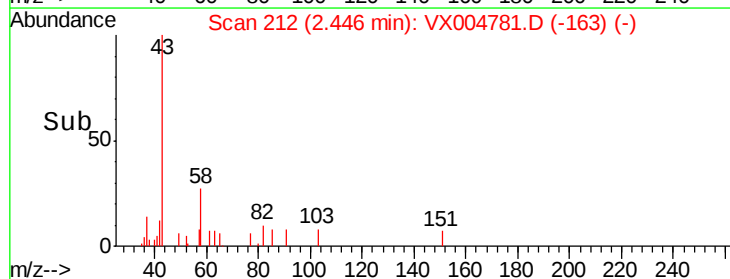
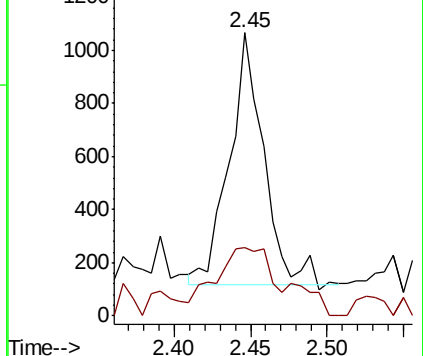
43 100

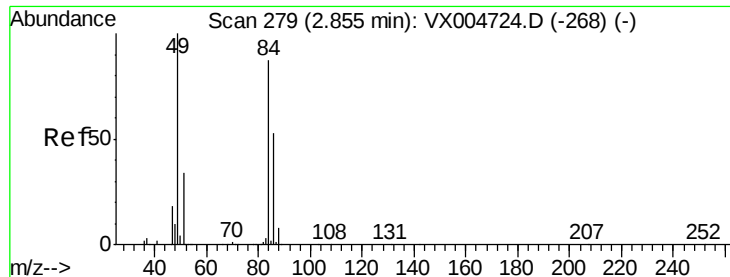
58 27.5 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX004781.D

Acq: 27 Sep 2018 18:24

Instrument :

MSVOA_X

ClientSampled :

MW-150-SEP18

Tot Ion: 84 Resp: 928

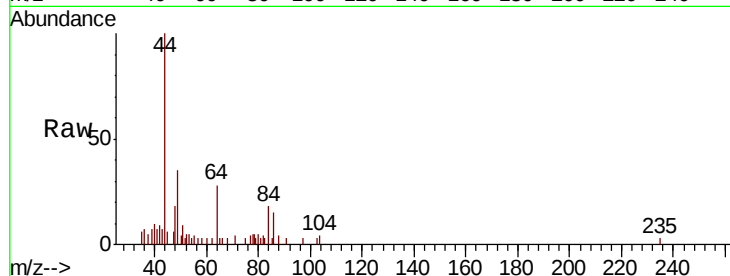
Ion Ratio Lower Upper

84 100

49 194.2 101.2 151.8#

51 51.3 29.5 44.3#

86 82.8 52.3 78.5#

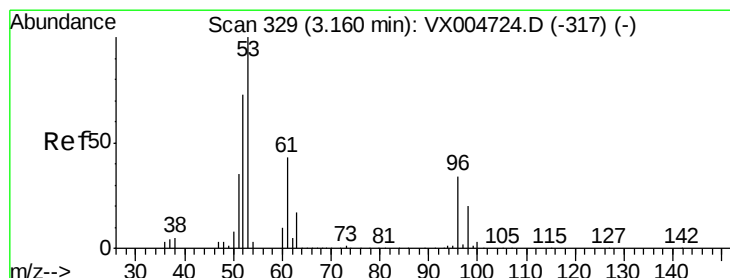
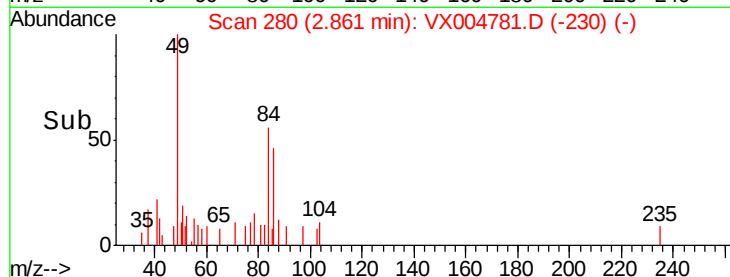
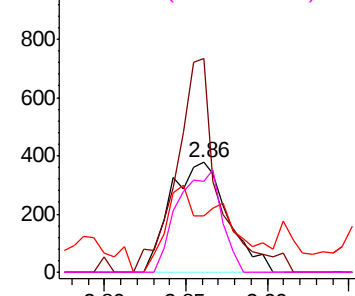


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#21

trans-1,2-Dichloroethene

Concen: 2.519 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX004781.D

Acq: 27 Sep 2018 18:24

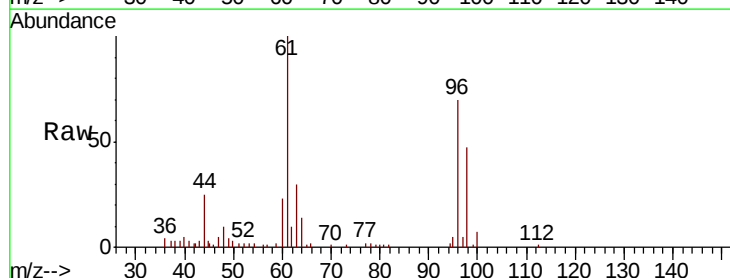
Tgt Ion: 96 Resp: 6962

Ion Ratio Lower Upper

96 100

61 141.6 113.8 170.6

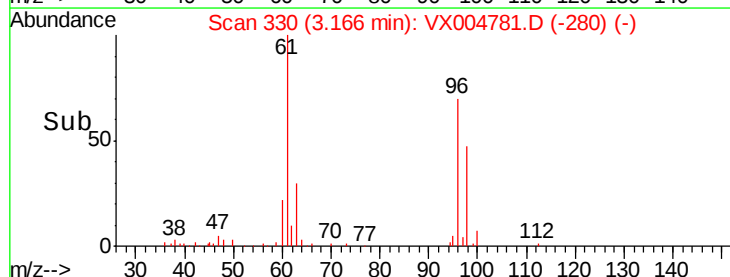
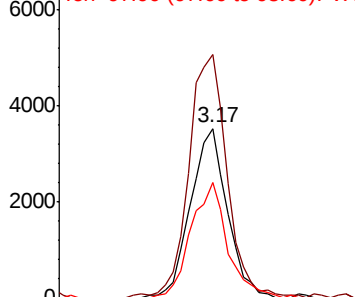
98 68.0 51.8 77.8

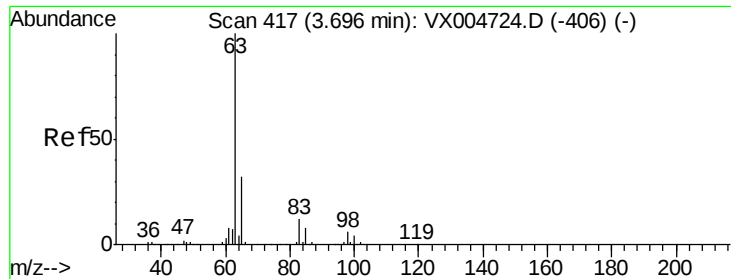


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#24

1,1-Dichloroethane

Concen: 17.076 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX004781.D

Acq: 27 Sep 2018 18:24

Instrument :

MSVOA_X

ClientSampleId :

MW-150-SEP18

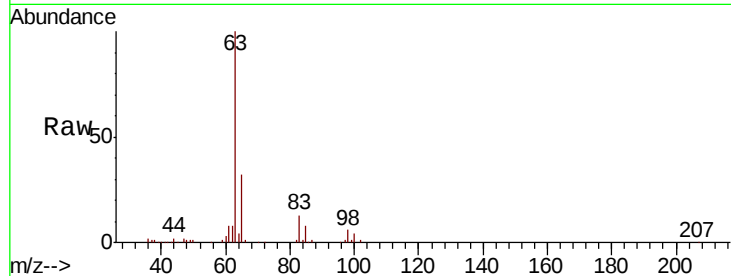
Tot Ion: 63 Resp: 94482

Ion Ratio Lower Upper

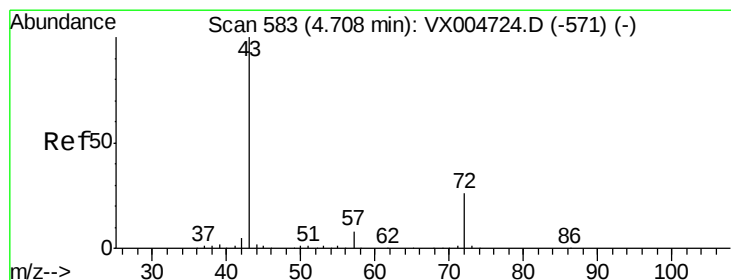
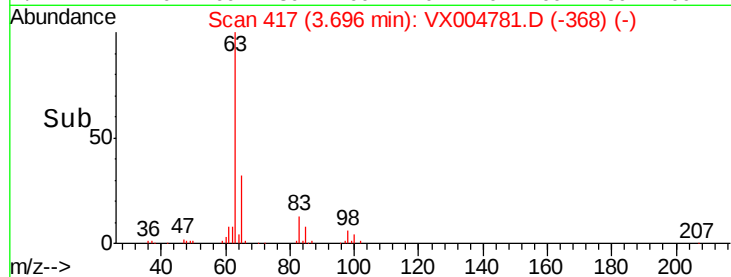
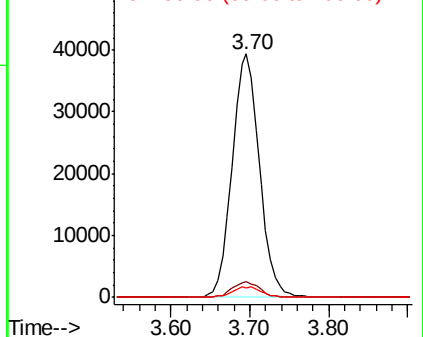
63 100

98 6.4 3.5 10.4

100 4.1 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0



#25

2-Butanone

Concen: 1.726 ug/l

RT: 4.71 min Scan# 583

Delta R.T. -0.00 min

Lab File: VX004781.D

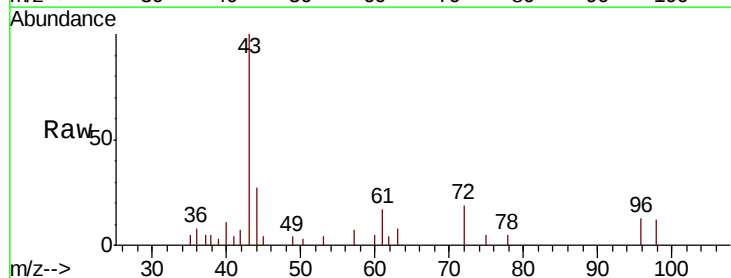
Acq: 27 Sep 2018 18:24

Tgt Ion: 43 Resp: 4944

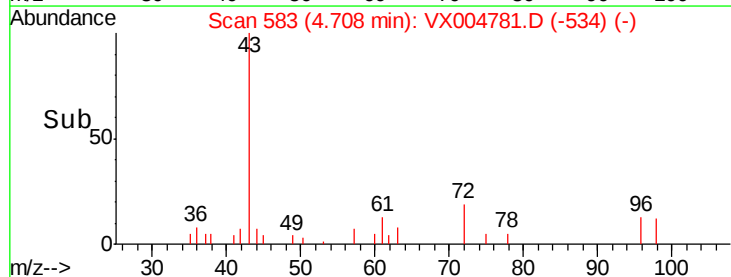
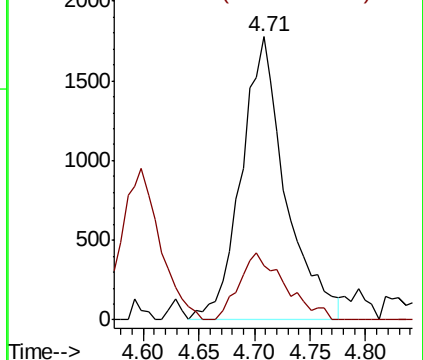
Ion Ratio Lower Upper

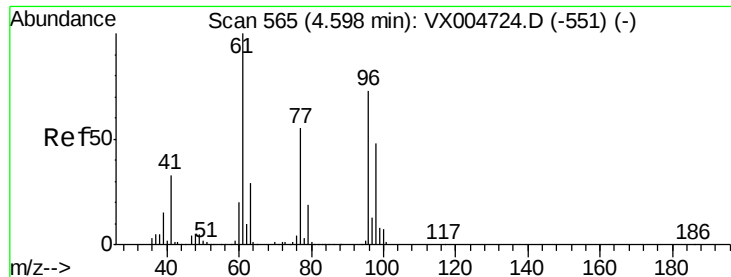
43 100

72 19.0 22.0 33.0#



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



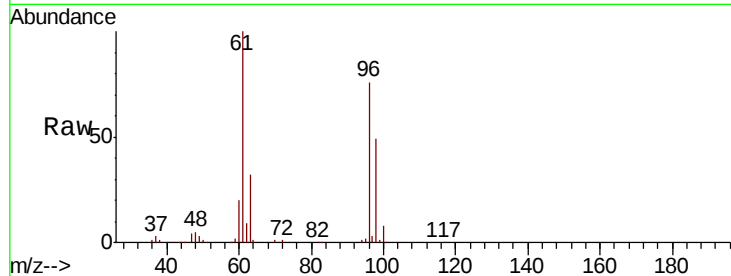


#27

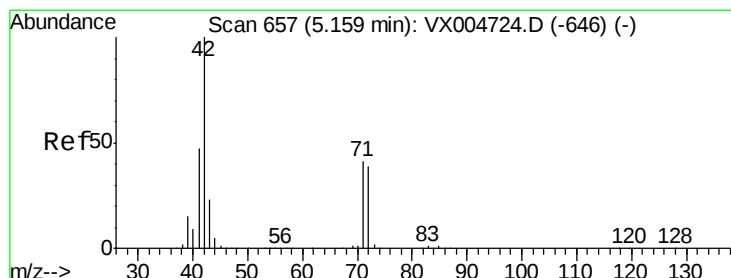
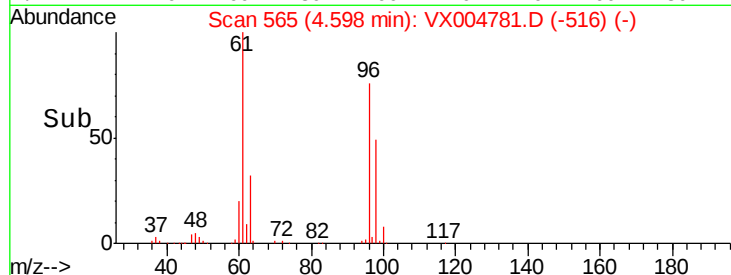
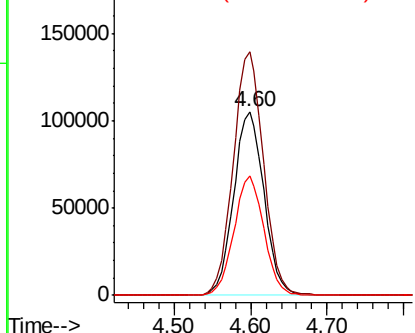
cis-1,2-Dichloroethene
 Concen: 93.376 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX004781.D
 Acq: 27 Sep 2018 18:24

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-150-SEP18

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.6	0.0	282.6
98	64.5	0.0	130.2



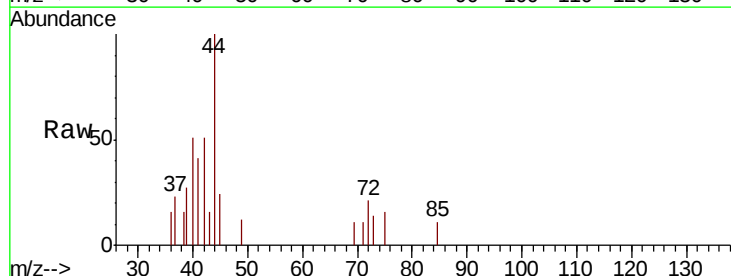
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



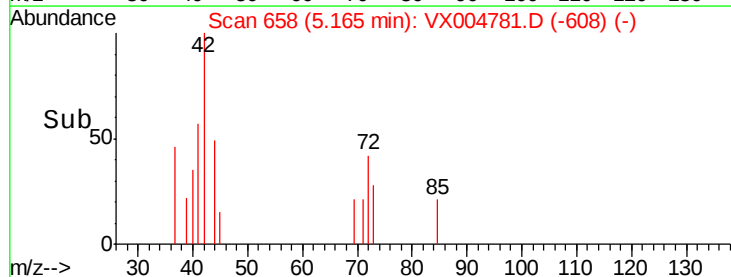
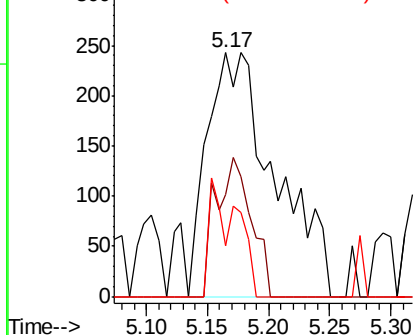
#29

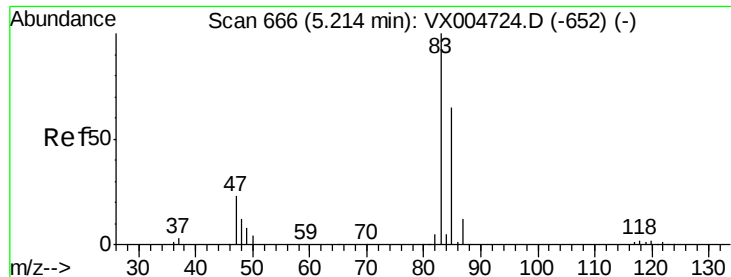
Tetrahydrofuran
 Concen: 0.527 ug/l
 RT: 5.17 min Scan# 658
 Delta R.T. 0.01 min
 Lab File: VX004781.D
 Acq: 27 Sep 2018 18:24

Tgt Ion	Ratio	Lower	Upper
42	100		
72	29.5	37.4	56.0#
71	10.0	34.5	51.7#



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

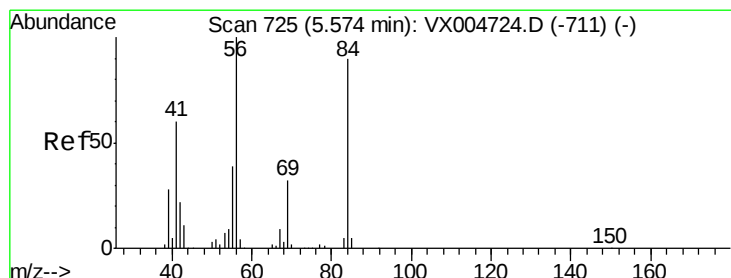
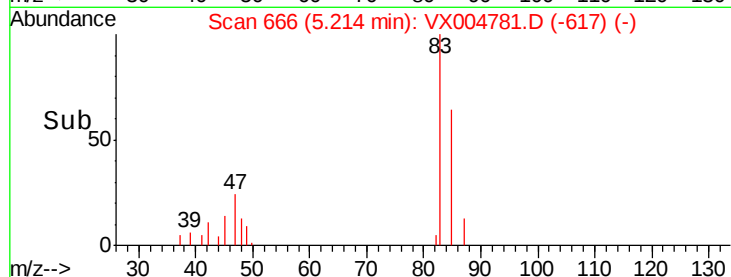
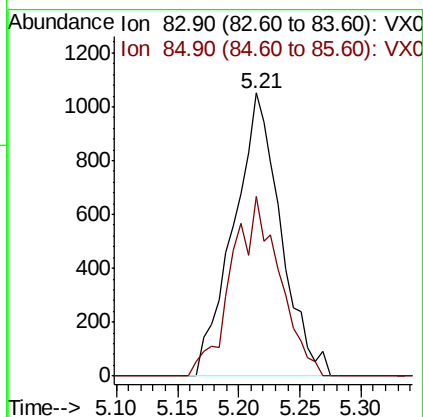
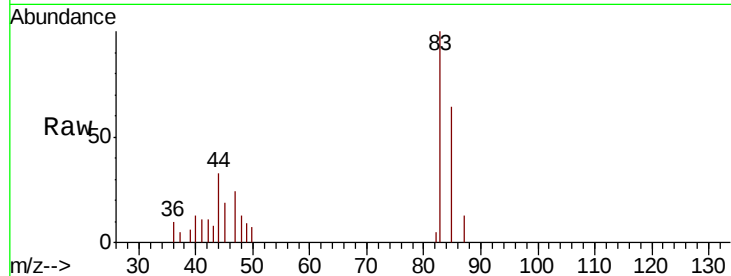




#30
Chloroform
Concen: 0.540 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX004781.D
Acq: 27 Sep 2018 18:24

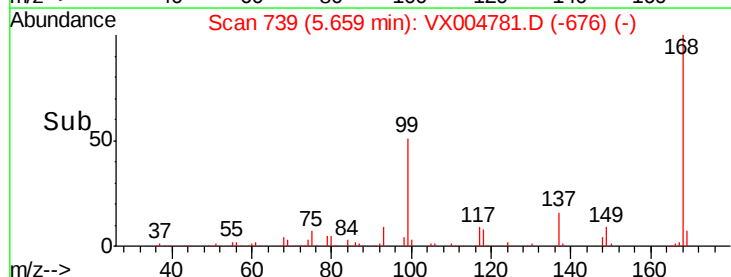
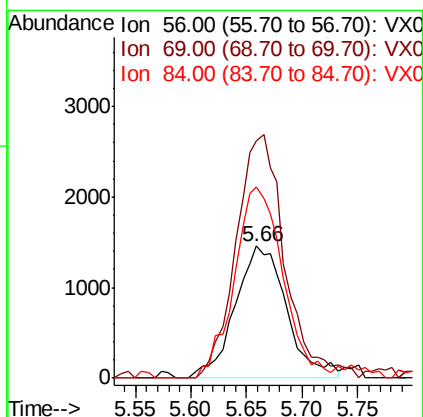
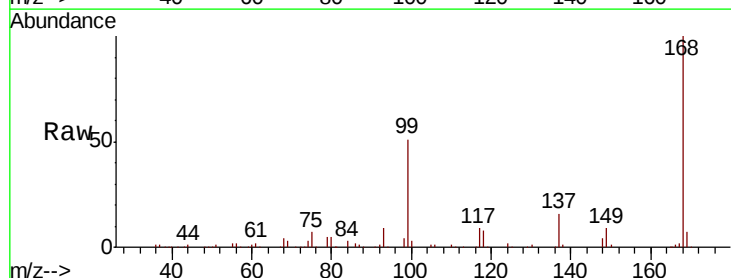
Instrument :
MSVOA_X
ClientSampleId :
MW-150-SEP18

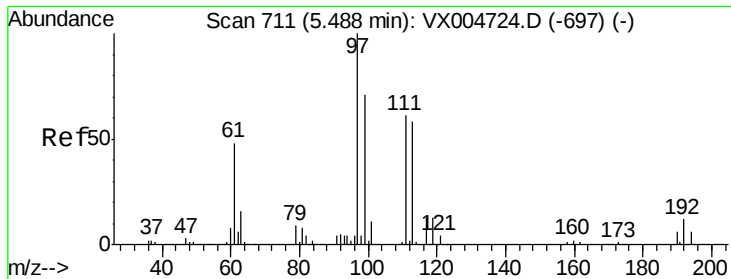
Tot Ion: 83 Resp: 2823
Ion Ratio Lower Upper
83 100
85 63.6 52.6 79.0



#31
Cyclohexane
Concen: 1.108 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX004781.D
Acq: 27 Sep 2018 18:24

Tgt Ion: 56 Resp: 4692
Ion Ratio Lower Upper
56 100
69 179.7 25.4 38.2#
84 144.3 71.4 107.2#





#32

1,1,1-Trichloroethane

Concen: 3.907 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.01 min

Lab File: VX004781.D

Acq: 27 Sep 2018 18:24

Instrument :

MSVOA_X

ClientSampleId :

MW-150-SEP18

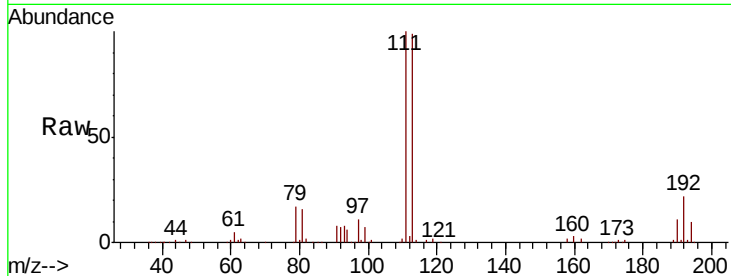
Tot Ion: 97 Resp: 16687

Ion Ratio Lower Upper

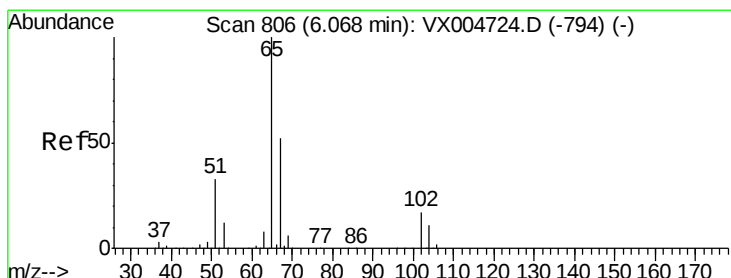
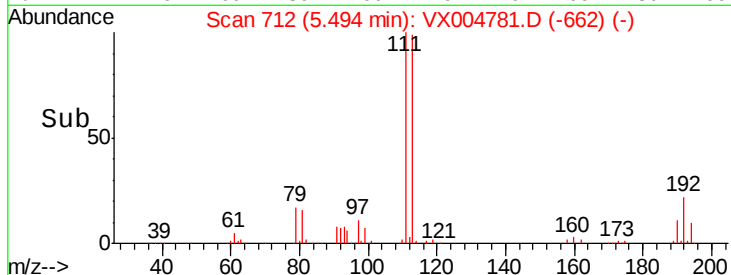
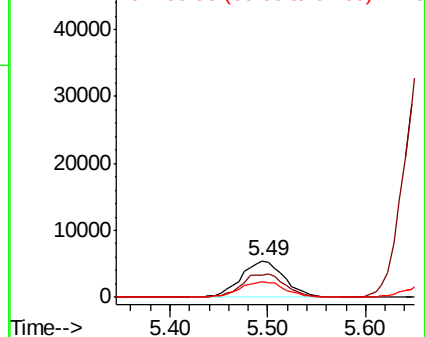
97 100

99 64.7 52.0 78.0

61 45.6 34.9 52.3



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 54.272 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004781.D

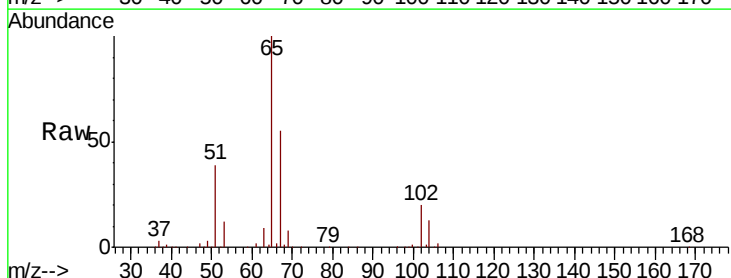
Acq: 27 Sep 2018 18:24

Tgt Ion: 65 Resp: 180638

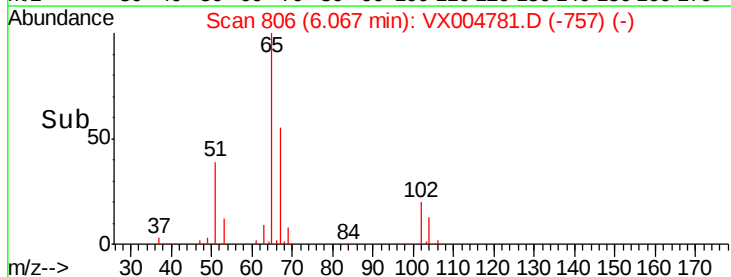
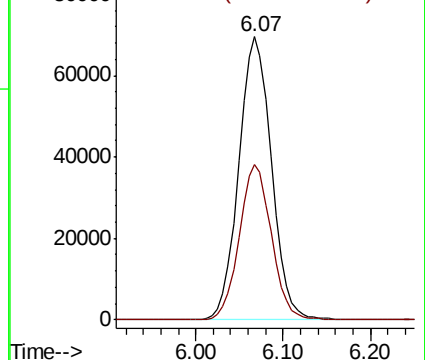
Ion Ratio Lower Upper

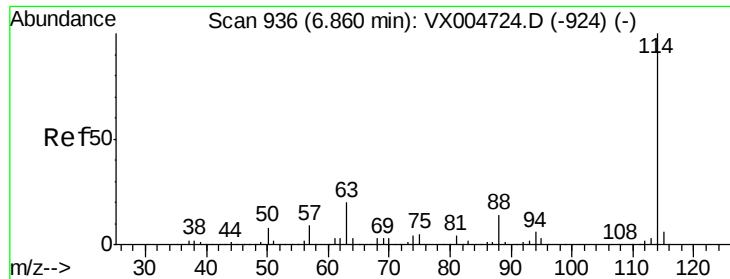
65 100

67 54.1 0.0 106.8



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

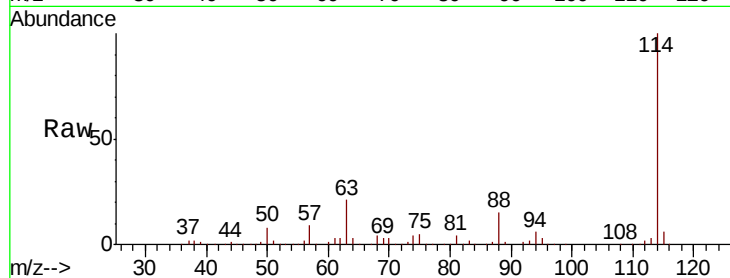




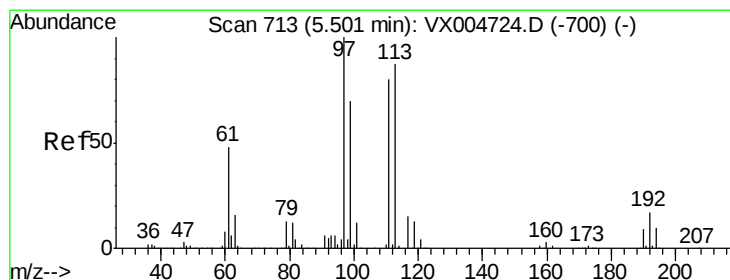
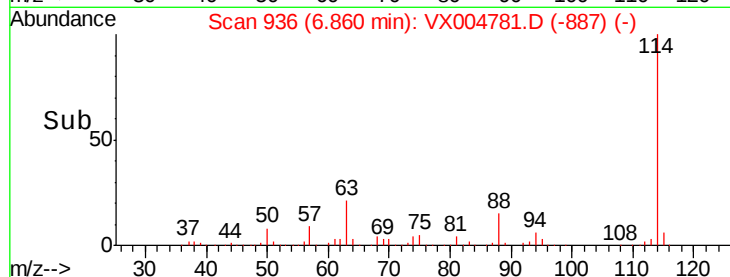
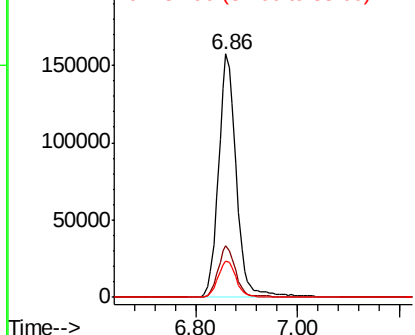
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX004781.D
Acq: 27 Sep 2018 18:24

Instrument :
MSVOA_X
ClientSampleId :
MW-150-SEP18

Tot Ion:114 Resp: 382653
Ion Ratio Lower Upper
114 100
63 21.1 0.0 39.0
88 15.0 0.0 30.4

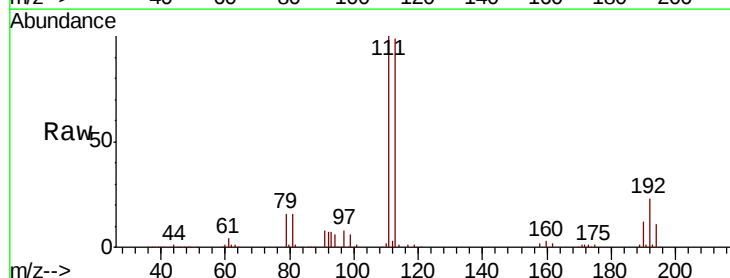


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

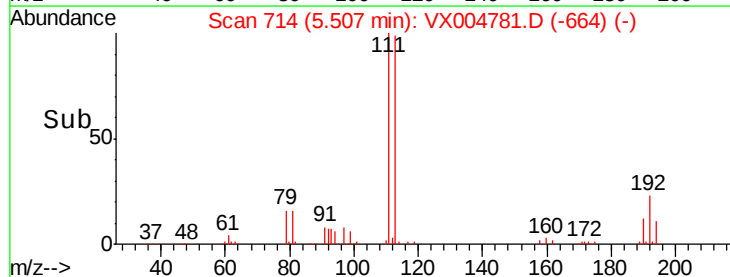
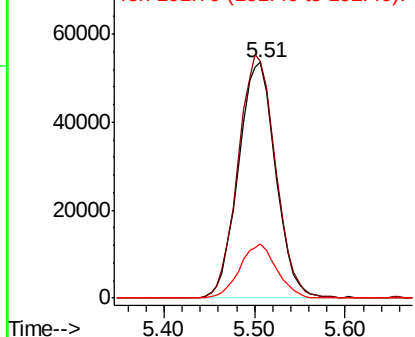


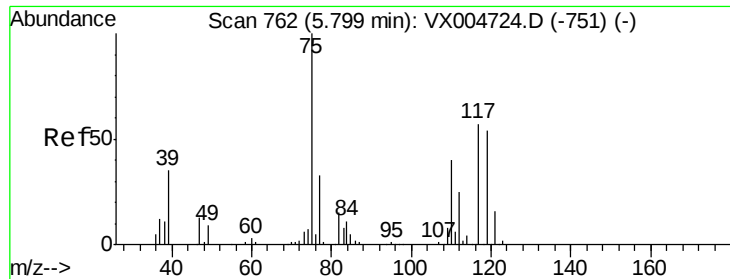
#35
Dibromofluoromethane
Concen: 47.045 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX004781.D
Acq: 27 Sep 2018 18:24

Tgt Ion:113 Resp: 152569
Ion Ratio Lower Upper
113 100
111 103.8 82.4 123.6
192 22.9 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: 3.687 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX004781.D

Acq: 27 Sep 2018 18:24

Instrument :

MSVOA_X

ClientSampleId :

MW-150-SEP18

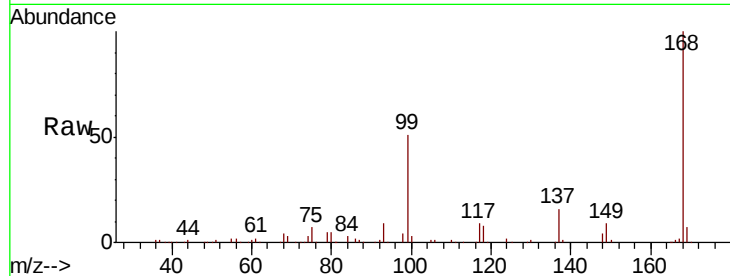
Tot Ion: 75 Resp: 16312

Ion Ratio Lower Upper

75 100

110 9.1 18.0 54.0#

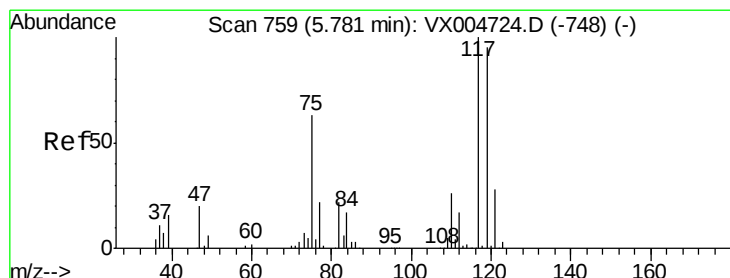
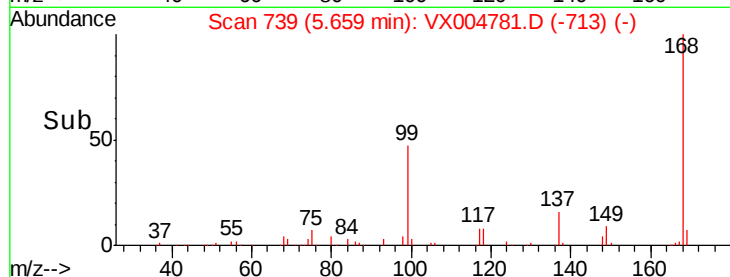
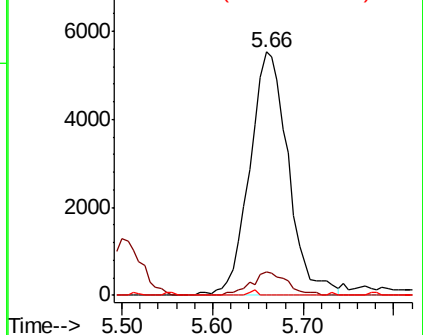
77 0.4 24.6 36.8#



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: 4.443 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX004781.D

Acq: 27 Sep 2018 18:24

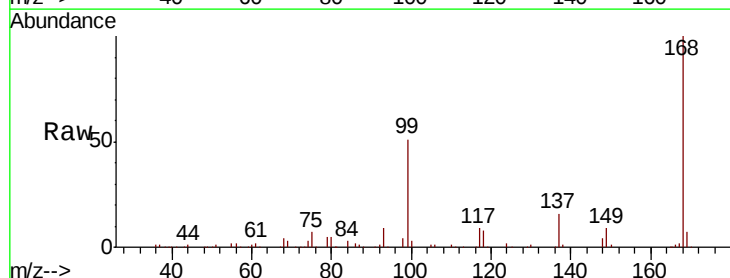
Tgt Ion: 117 Resp: 20663

Ion Ratio Lower Upper

117 100

119 5.2 78.8 118.2#

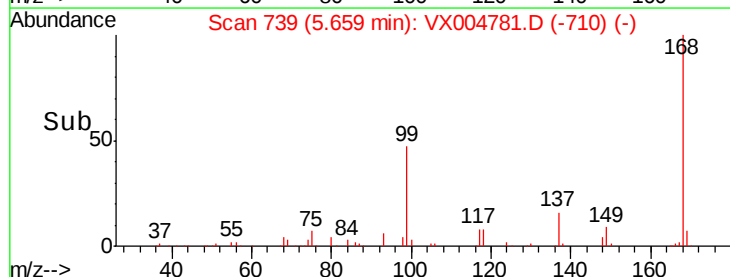
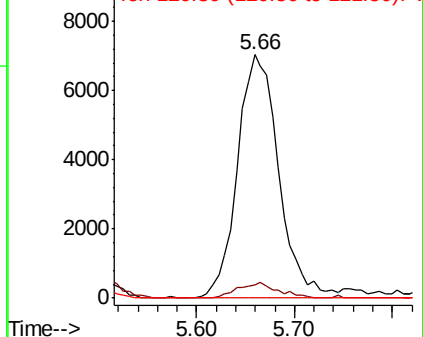
121 0.0 24.9 37.3#

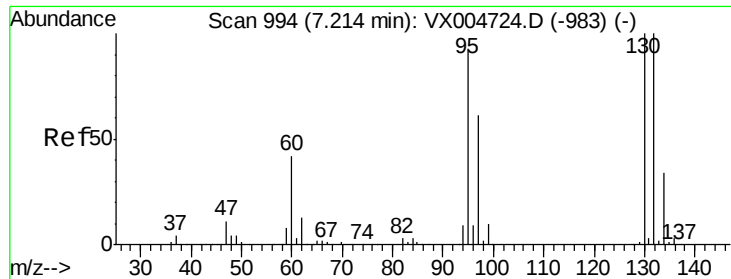


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 3.283 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX004781.D

Acq: 27 Sep 2018 18:24

Instrument :

MSVOA_X

ClientSampleId :

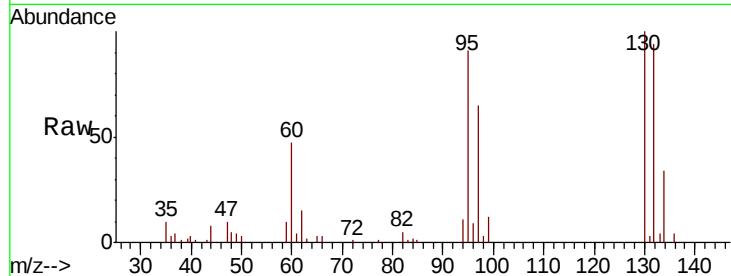
MW-150-SEP18

Tot Ion:130 Resp: 11181

Ion Ratio Lower Upper

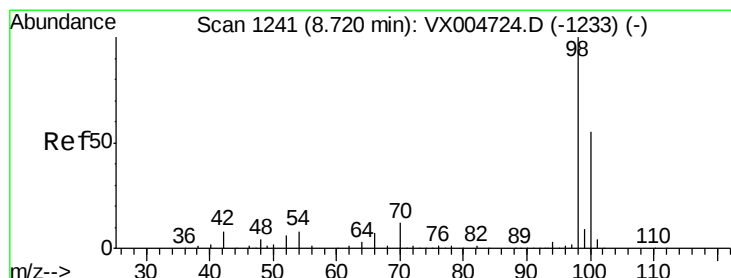
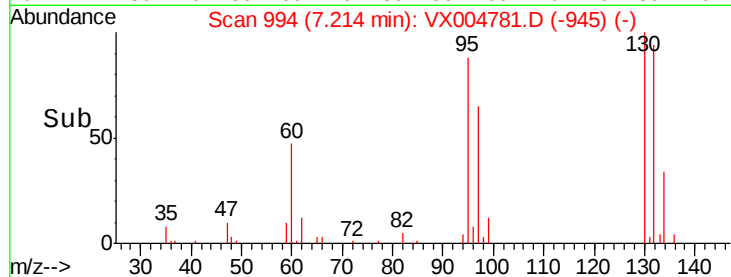
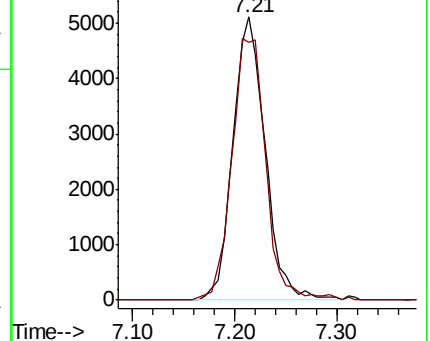
130 100

95 91.0 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 51.942 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX004781.D

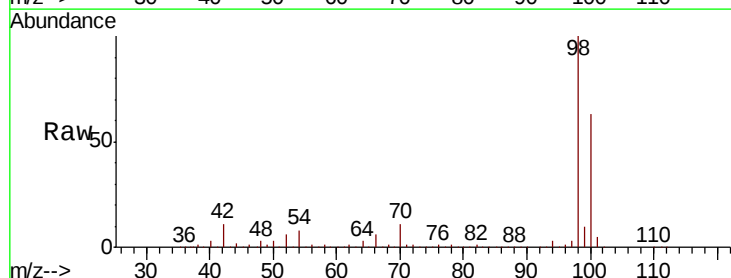
Acq: 27 Sep 2018 18:24

Tgt Ion: 98 Resp: 560014

Ion Ratio Lower Upper

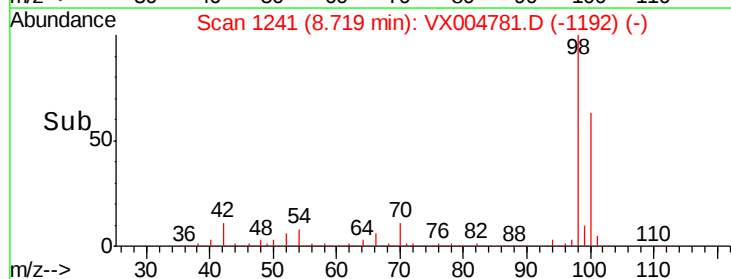
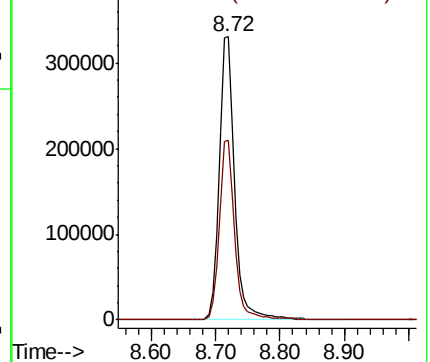
98 100

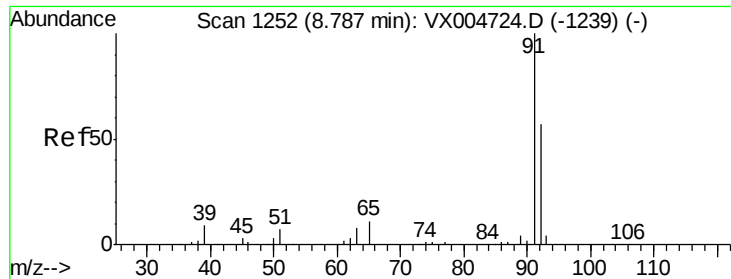
100 63.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 0.262 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX004781.D

Acq: 27 Sep 2018 18:24

Instrument :

MSVOA_X

ClientSampleId :

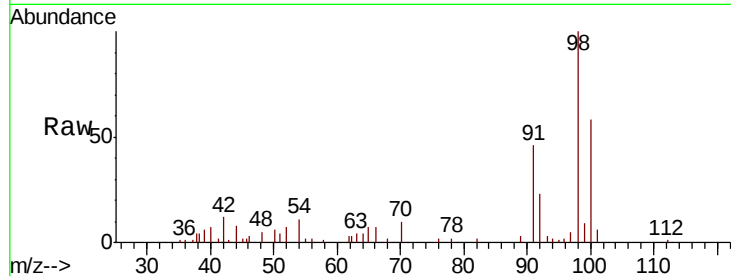
MW-150-SEP18

Tot Ion: 92 Resp: 1991

Ion Ratio Lower Upper

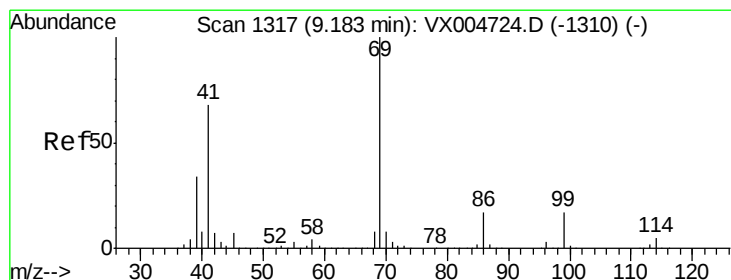
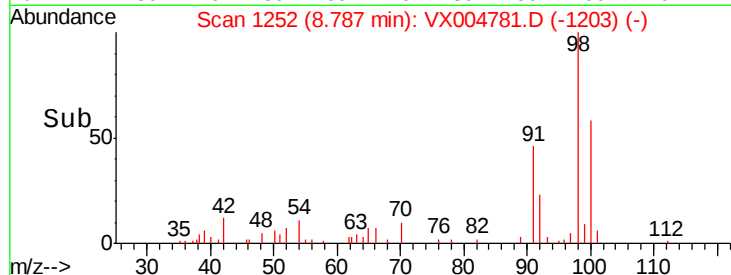
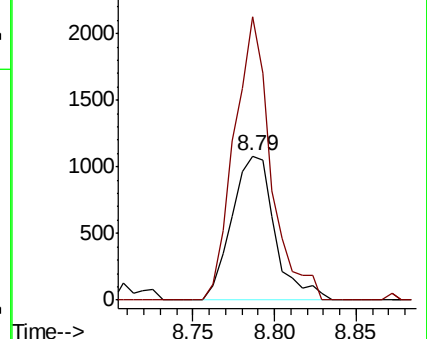
92 100

91 167.4 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#56

Ethyl methacrylate

Concen: 2.867 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.03 min

Lab File: VX004781.D

Acq: 27 Sep 2018 18:24

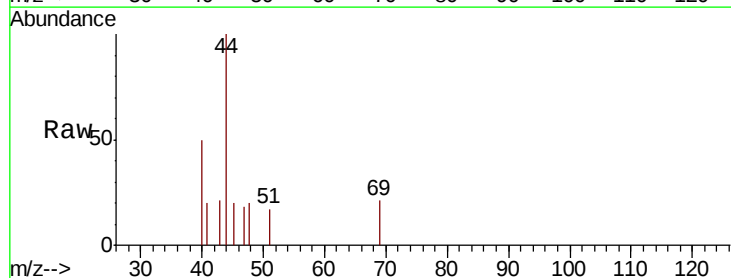
Tgt Ion: 69 Resp: 27

Ion Ratio Lower Upper

69 100

41 318.5 51.0 76.4#

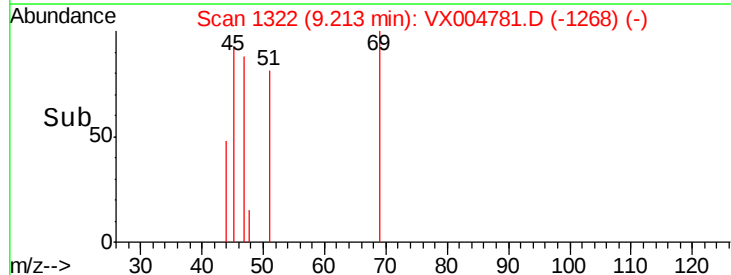
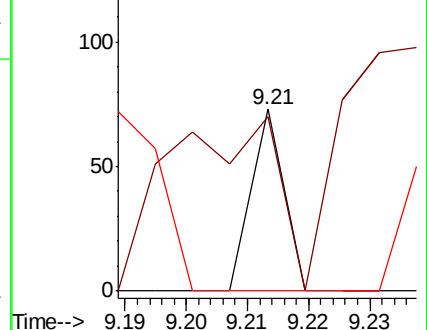
39 0.0 26.1 39.1#

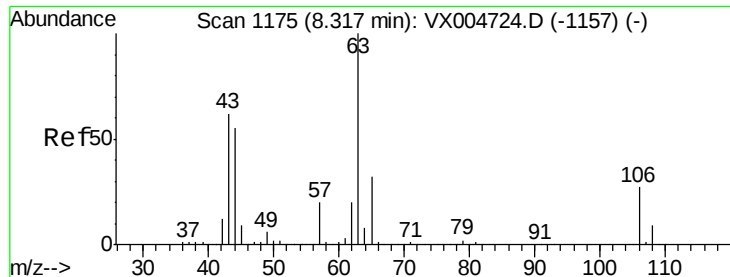


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

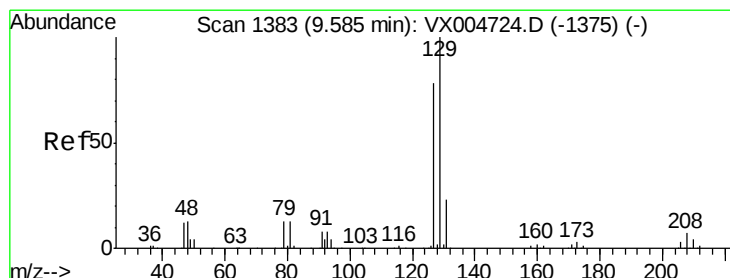
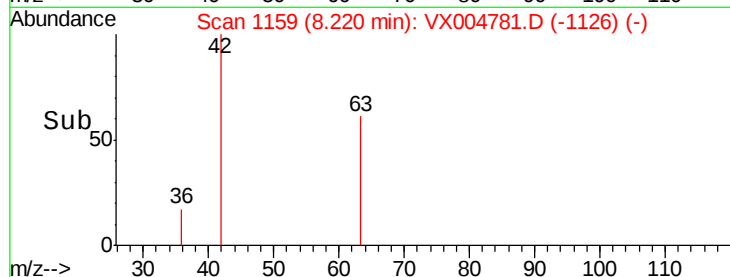
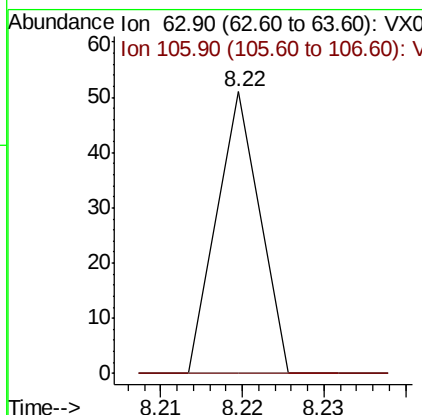
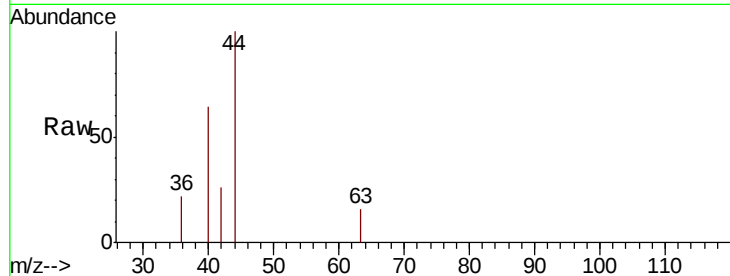




#58
2-Chloroethyl Vinyl ether
Concen: 14.248 ug/l
RT: 8.22 min Scan# 1159
Delta R.T. -0.10 min
Lab File: VX004781.D
Acq: 27 Sep 2018 18:24

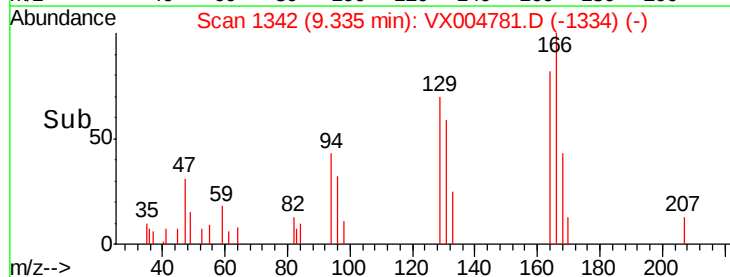
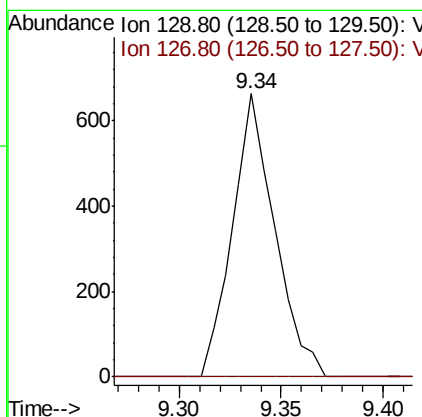
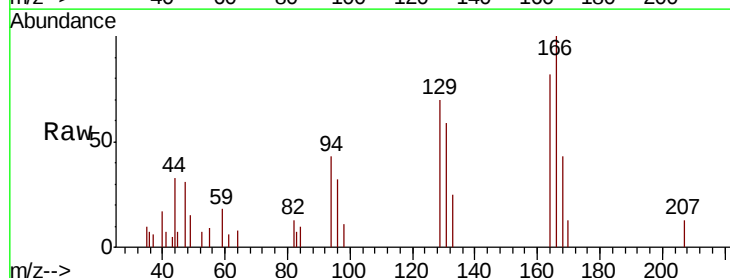
Instrument :
MSVOA_X
ClientSampleId :
MW-150-SEP18

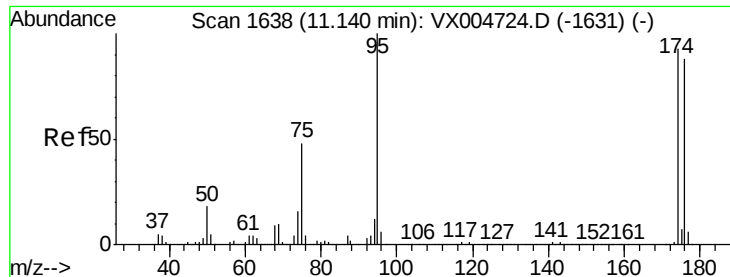
Tot Ion: 63 Resp: 19
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#60
Dibromochloromethane
Concen: 0.286 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.25 min
Lab File: VX004781.D
Acq: 27 Sep 2018 18:24

Tgt Ion: 129 Resp: 955
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#





#62

4-Bromofluorobenzene

Concen: 52.515 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004781.D

Acq: 27 Sep 2018 18:24

Instrument :

MSVOA_X

ClientSampleId :

MW-150-SEP18

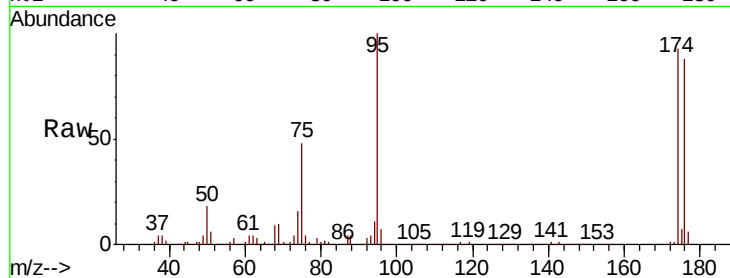
Tot Ion: 95 Resp: 203971

Ion Ratio Lower Upper

95 100

174 91.5 0.0 185.2

176 87.4 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

200000

150000

100000

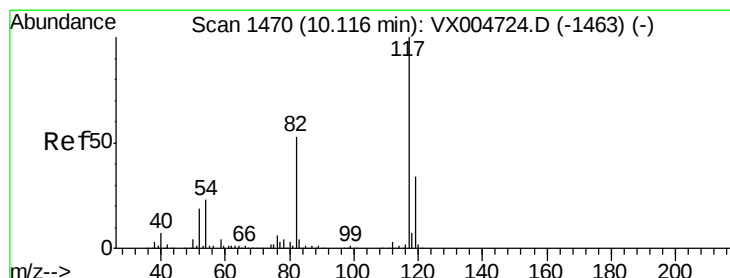
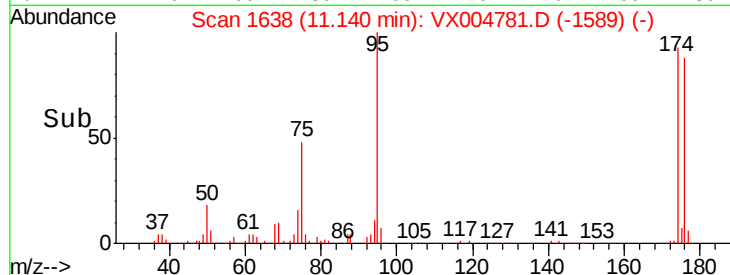
50000

0

11.14

11.10 11.20 11.30

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX004781.D

Acq: 27 Sep 2018 18:24

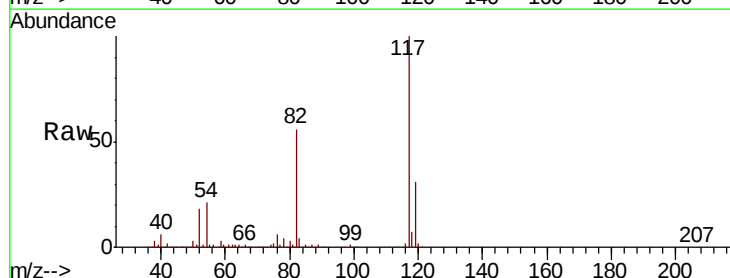
Tgt Ion: 117 Resp: 377453

Ion Ratio Lower Upper

117 100

82 56.1 47.8 71.6

119 31.5 29.3 43.9



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

300000

200000

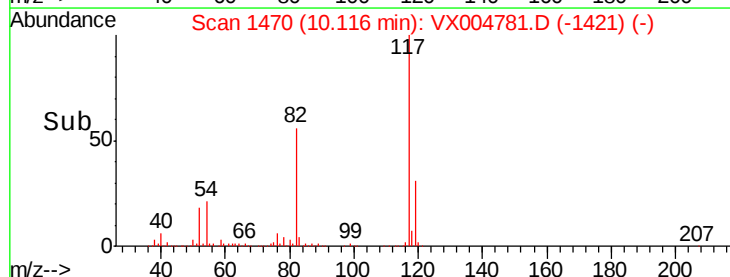
100000

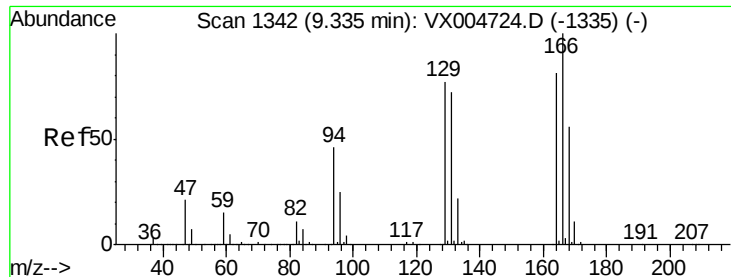
0

10.12

10.00 10.10 10.20 10.30

Time-->





#64

Tetrachloroethene

Concen: 0.286 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX004781.D

Acq: 27 Sep 2018 18:24

Instrument :

MSVOA_X

ClientSampleId :

MW-150-SEP18

Tot Ion:164 Resp: 1064

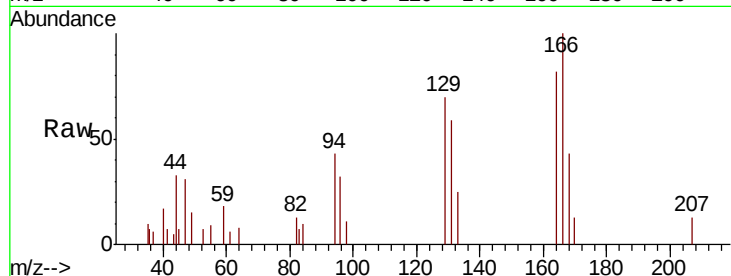
Ion Ratio Lower Upper

164 100

166 121.9 102.8 154.2

129 85.5 69.4 104.0

131 72.0 67.9 101.9

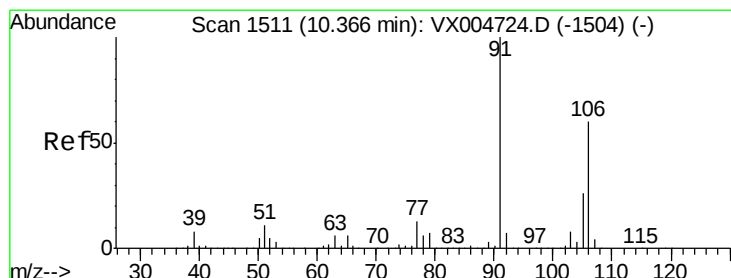
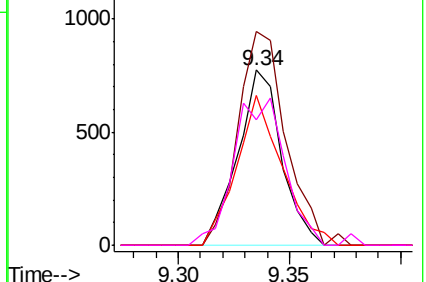
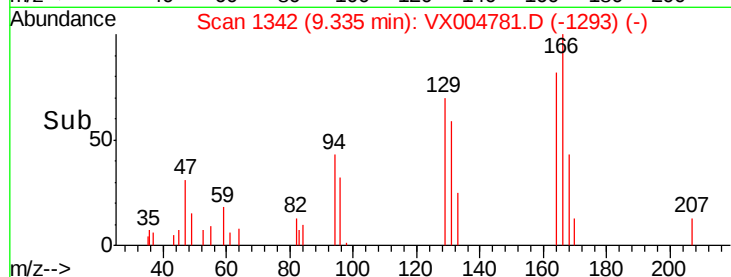


Abundance Ion 163.80 (163.50 to 164.50): V

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



#68

m/p-Xylenes

Concen: 0.217 ug/l

RT: 10.37 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VX004781.D

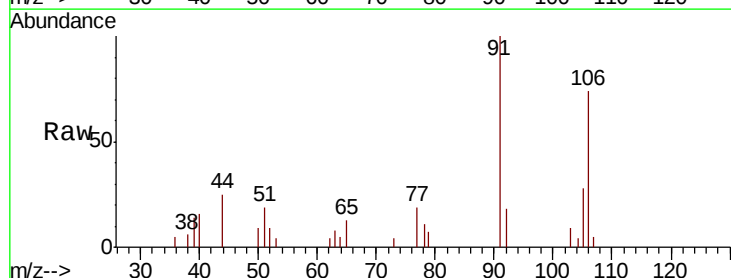
Acq: 27 Sep 2018 18:24

Tgt Ion:106 Resp: 1306

Ion Ratio Lower Upper

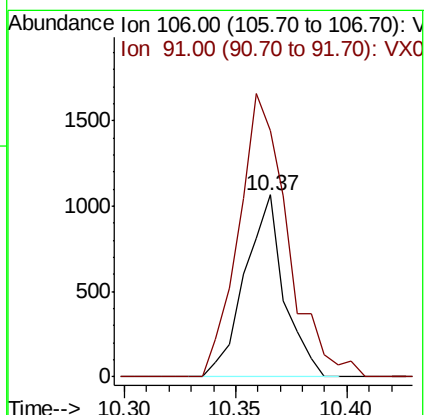
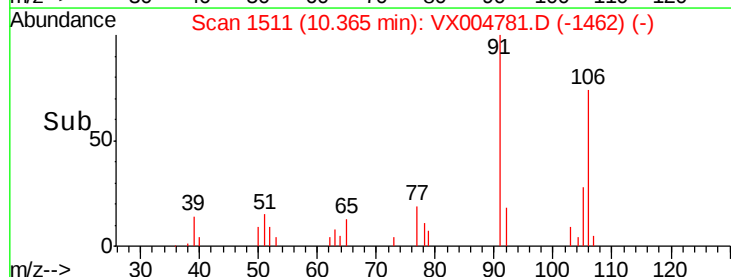
106 100

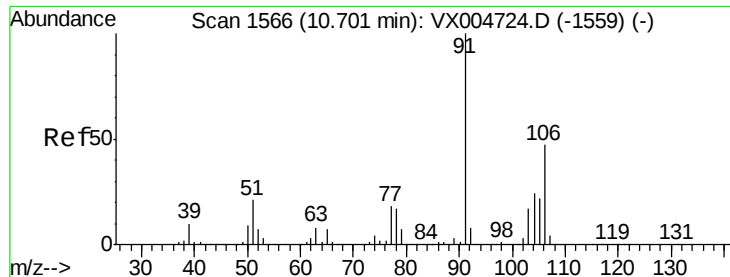
91 195.6 157.1 235.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

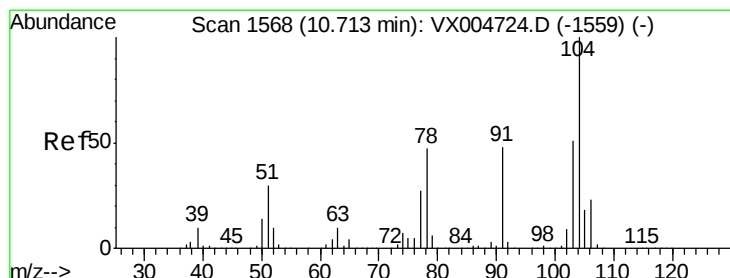
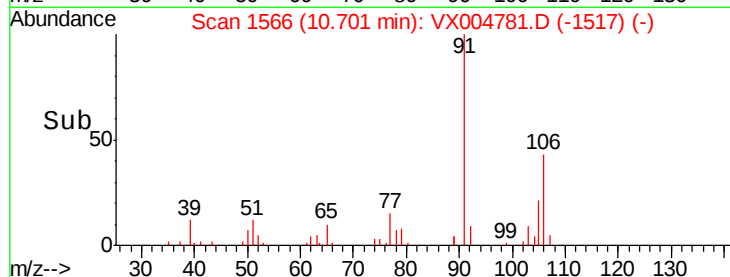
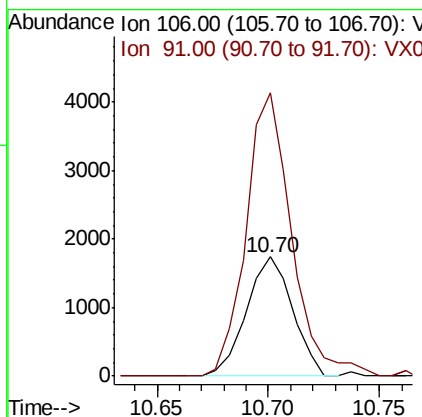
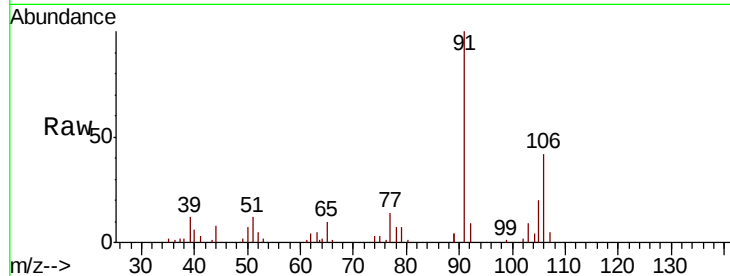




#69
o-Xylene
Concen: 0.454 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004781.D
Acq: 27 Sep 2018 18:24

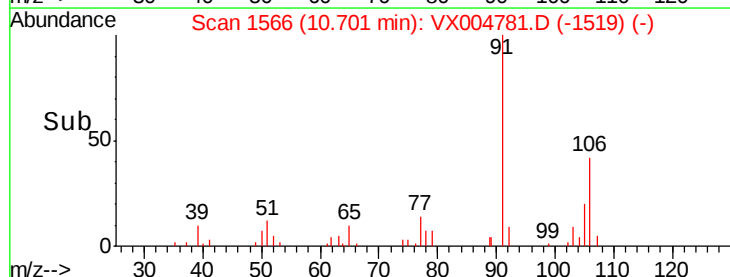
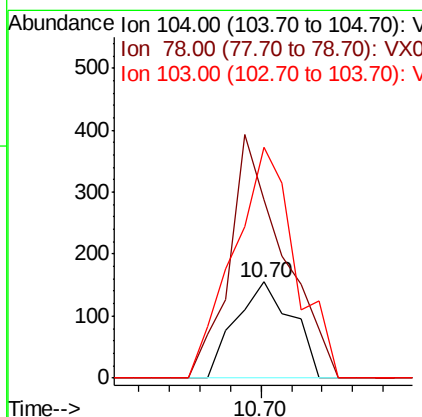
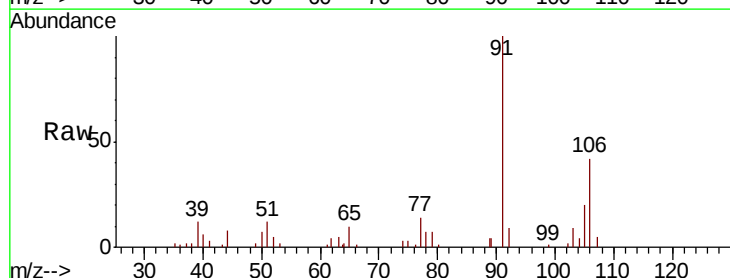
Instrument :
MSVOA_X
ClientSampleId :
MW-150-SEP18

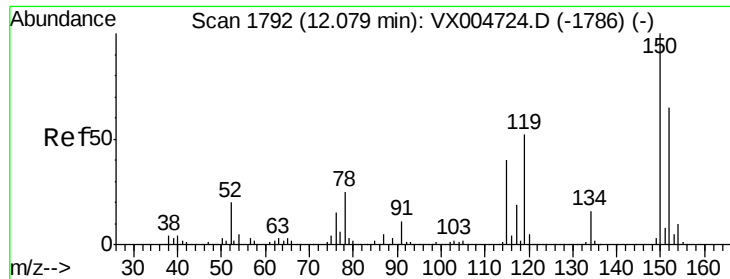
Tot Ion:106 Resp: 2505
Ion Ratio Lower Upper
106 100
91 234.9 105.1 315.1



#70
Styrene
Concen: 2.159 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VX004781.D
Acq: 27 Sep 2018 18:24

Tgt Ion:104 Resp: 198
Ion Ratio Lower Upper
104 100
78 240.9 37.4 56.0#
103 263.6 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: VX004781.D

Acq: 27 Sep 2018 18:24

Instrument :

MSVOA_X

ClientSampleId :

MW-150-SEP18

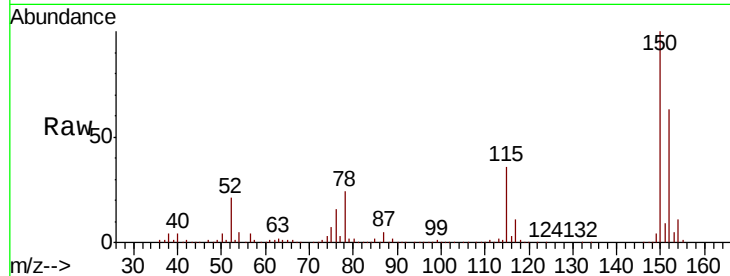
Tot Ion:152 Resp: 212151

Ion Ratio Lower Upper

152 100

115 55.5 39.0 117.0

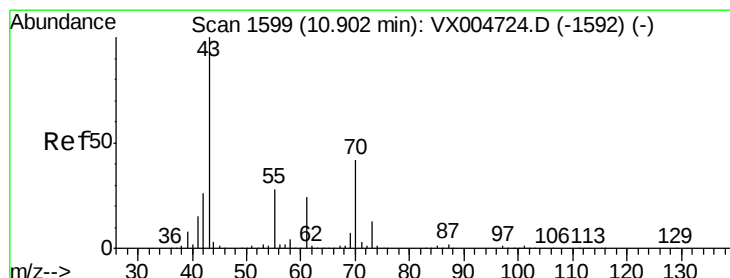
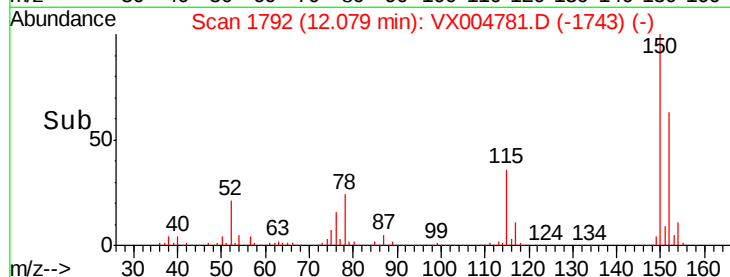
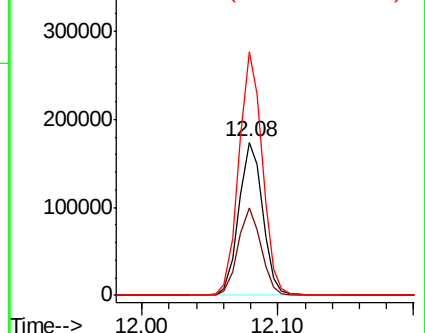
150 157.0 0.0 351.0



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: 1.755 ug/l

RT: 10.93 min Scan# 1603

Delta R.T. 0.02 min

Lab File: VX004781.D

Acq: 27 Sep 2018 18:24

Tgt Ion: 43 Resp: 51

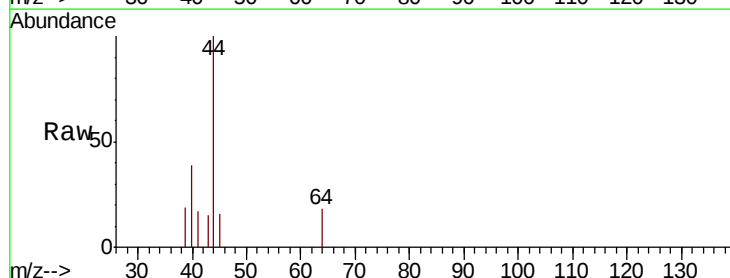
Ion Ratio Lower Upper

43 100

70 0.0 37.4 56.0#

55 105.9 21.8 32.8#

61 0.0 20.6 30.8#

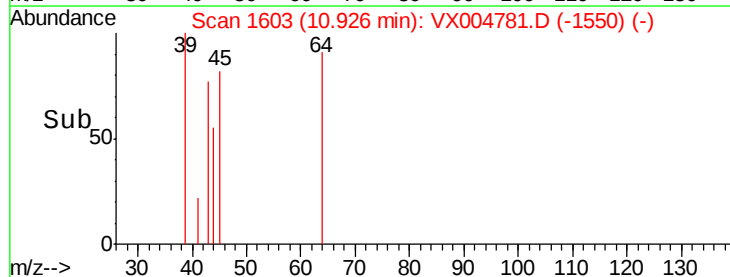
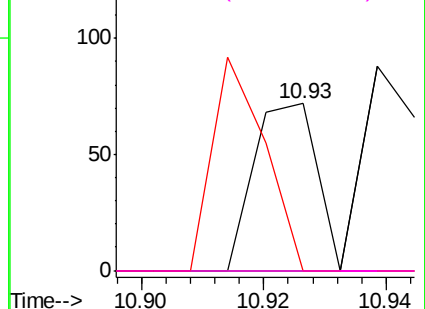


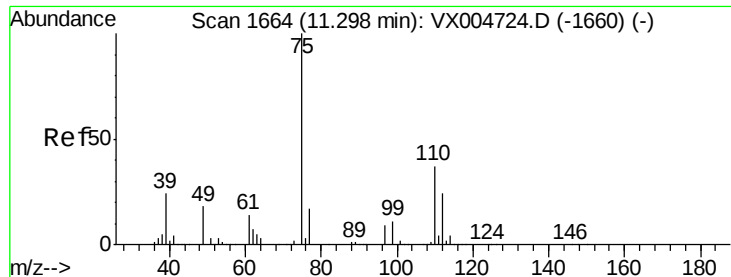
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 21.127 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004781.D

Acq: 27 Sep 2018 18:24

Instrument :

MSVOA_X

ClientSampleId :

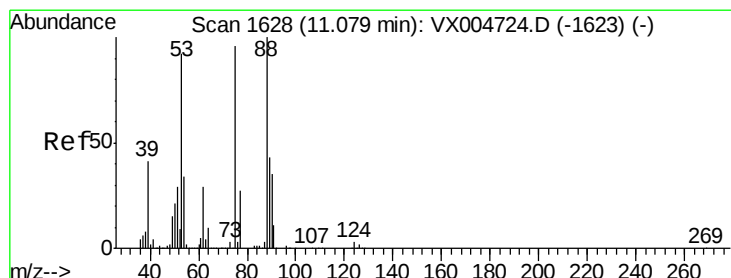
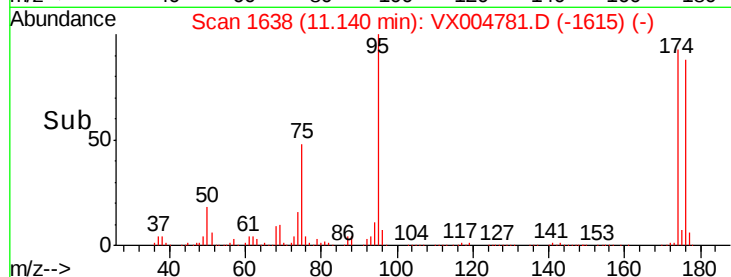
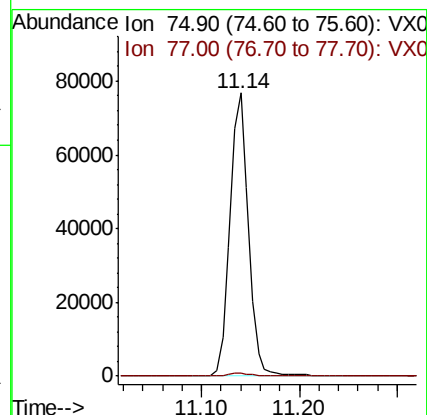
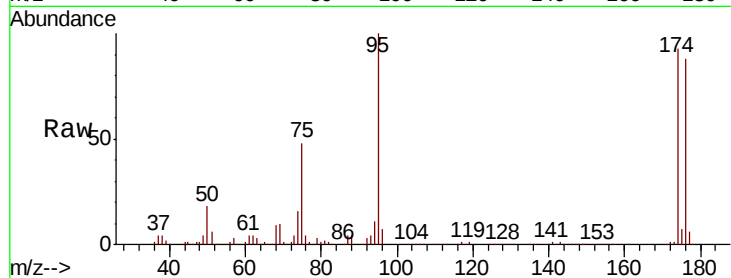
MW-150-SEP18

Tot Ion: 75 Resp: 100462

Ion Ratio Lower Upper

75 100

77 1.3 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.319 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004781.D

Acq: 27 Sep 2018 18:24

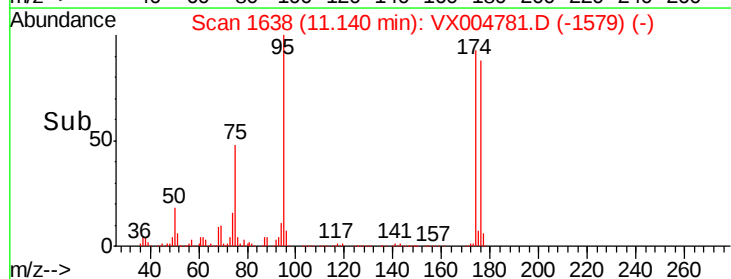
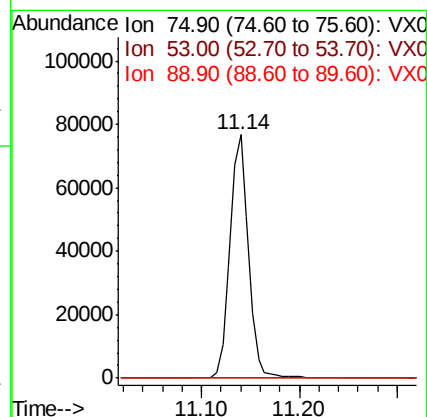
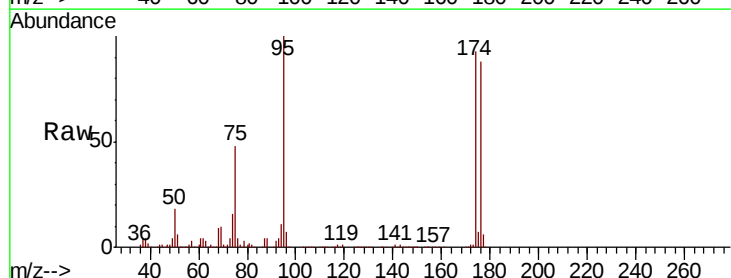
Tgt Ion: 75 Resp: 100462

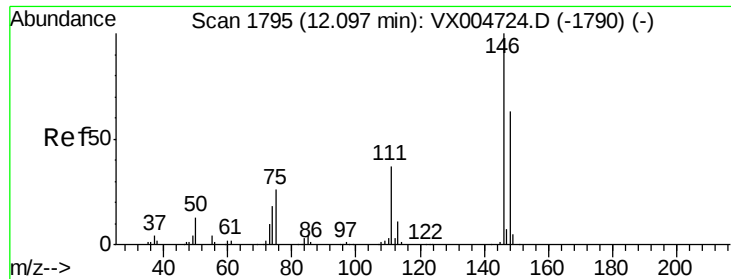
Ion Ratio Lower Upper

75 100

53 0.3 80.1 120.1#

89 0.0 37.2 55.8#

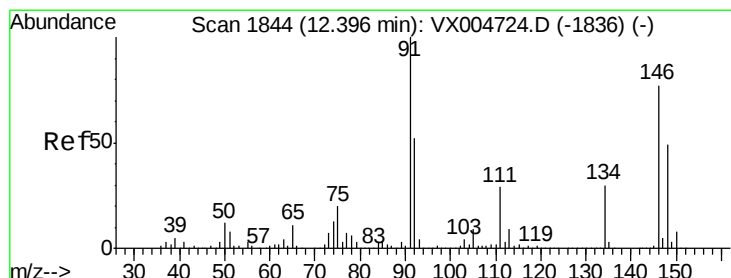
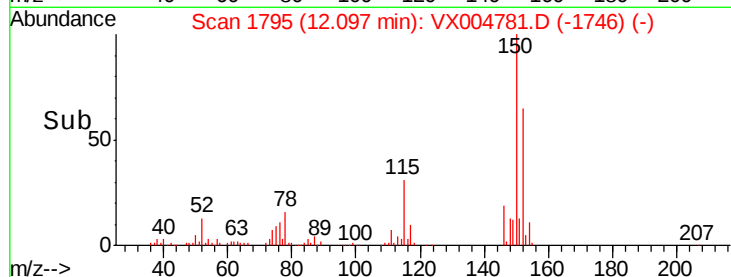
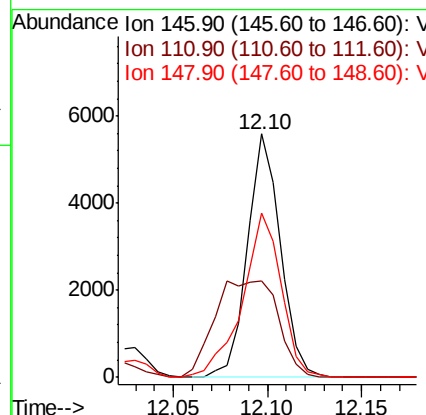
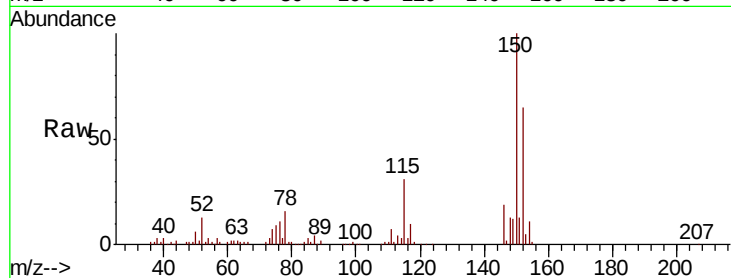




#88
 1,4-Dichlorobenzene
 Concen: 0.907 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004781.D
 Acq: 27 Sep 2018 18:24

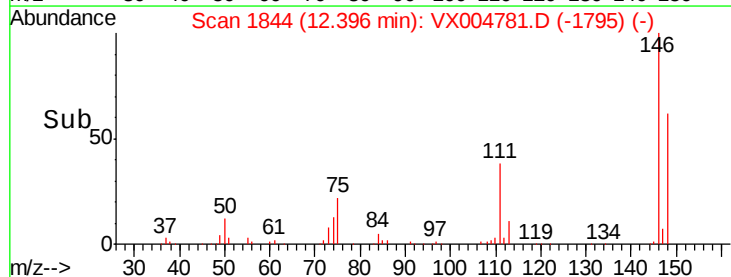
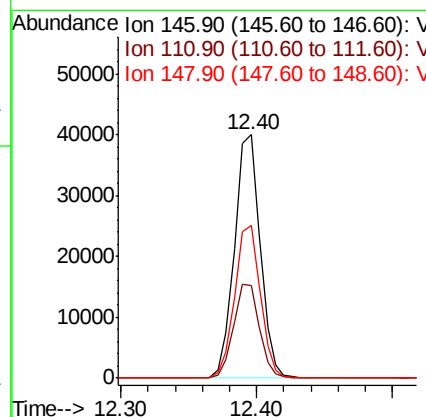
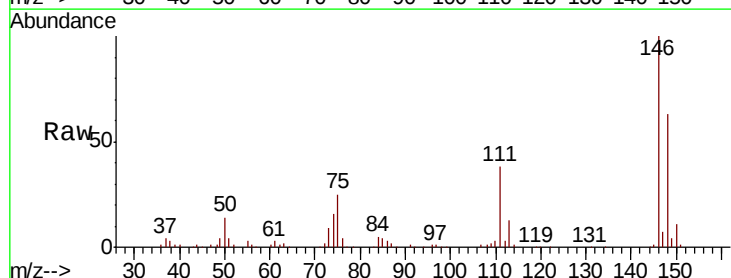
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-150-SEP18

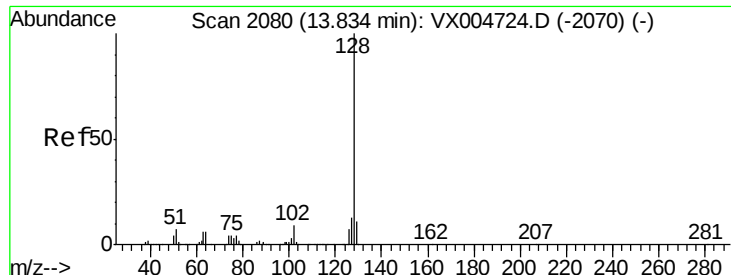
Tot Ion:146 Resp: 6792
 Ion Ratio Lower Upper
 146 100
 111 76.3 18.1 54.1#
 148 79.1 32.0 96.0



#91
 1,2-Dichlorobenzene
 Concen: 6.974 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. -0.00 min
 Lab File: VX004781.D
 Acq: 27 Sep 2018 18:24

Tgt Ion:146 Resp: 52856
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.4 58.1
 148 62.6 32.8 98.3

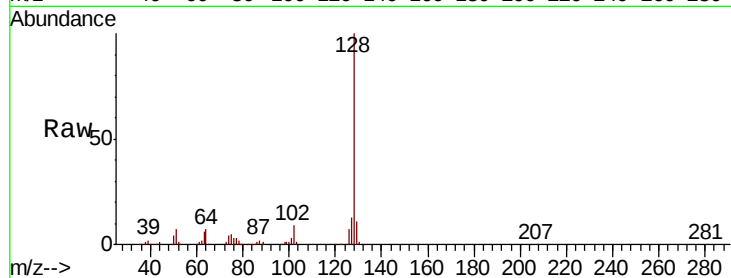




#95
Naphthalene
Concen: 4.170 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004781.D
Acq: 27 Sep 2018 18:24

Instrument :
MSVOA_X
ClientSampleId :
MW-150-SEP18

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.6	8.6	12.8



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

