

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082418\
 Data File : VX004247.D
 Acq On : 24 Aug 2018 15:22
 Operator : JC/MD
 Sample : J4648-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TMW-1

Quant Time: Aug 25 00:29:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	301385	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	470565	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	414878	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	250554	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	197544	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
35) Dibromofluoromethane	5.50	113	173456	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
50) Toluene-d8	8.71	98	678941	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	
62) 4-Bromofluorobenzene	11.14	95	247462	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	

Target Compounds

						Qvalue
3) Chloromethane	1.32	50	1448	0.66	ug/l	93
5) Bromomethane	1.65	94	1194	Below	Cal #	72
6) Chloroethane	1.69	64	687	1.18	ug/l #	52
10) Methyl Iodide	2.51	142	1405	4.60	ug/l	98
11) Tert butyl alcohol	3.07	59	394	0.47	ug/l #	72
13) Acrolein	2.30	56	363	1.80	ug/l #	16
14) Allyl chloride	2.84	41	2287	0.39	ug/l #	51
15) Acrylonitrile	3.16	53	1026	0.49	ug/l #	63
16) Acetone	2.45	43	19088	3.96	ug/l	97
17) Carbon Disulfide	2.57	76	2218	1.04	ug/l #	91
18) Methyl Acetate	2.78	43	6131	1.05	ug/l	94
25) 2-Butanone	4.71	43	8154	0.25	ug/l #	87
26) 2,2-Dichloropropane	4.76	77	1183	0.24	ug/l #	52
30) Chloroform	5.26	83	3170	0.50	ug/l #	44
31) Cyclohexane	5.57	56	38550	7.00	ug/l #	95
36) 1,1-Dichloropropene	5.66	75	20164	3.81	ug/l #	49
37) Ethyl Acetate	4.71	43	8154	1.57	ug/l #	67
38) Carbon Tetrachloride	5.67	117	26138	5.25	ug/l #	14
39) Methylcyclohexane	7.46	83	224231	37.12	ug/l	99
40) Benzene	6.14	78	3533	0.22	ug/l	99
41) Methacrylonitrile	5.06	41	982	0.33	ug/l #	48
43) Isopropyl Acetate	6.45	43	4759	0.60	ug/l #	59
45) 1,2-Dichloropropane	7.46	63	2540	0.64	ug/l #	1
47) Bromodichloromethane	7.85	83	2902	0.59	ug/l #	91
48) Methyl methacrylate	7.73	41	15340	3.59	ug/l #	49
51) 4-Methyl-2-Pentanone	8.67	43	10246	1.76	ug/l #	42
52) Toluene	8.79	92	5118	0.52	ug/l	95
55) 1,1,2-Trichloroethane	9.17	97	65210	16.33	ug/l #	20
56) Ethyl methacrylate	9.17	69	15699	2.89	ug/l #	1
67) Ethyl Benzene	10.26	91	3507	0.21	ug/l	93
68) m/p-Xylenes	10.36	106	3957	0.60	ug/l	78
69) o-Xylene	10.70	106	1651	0.26	ug/l	97
73) Isopropylbenzene	11.02	105	63142	3.84	ug/l	97
74) N-ethyl acetate	10.91	43	2249	0.35	ug/l #	1

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

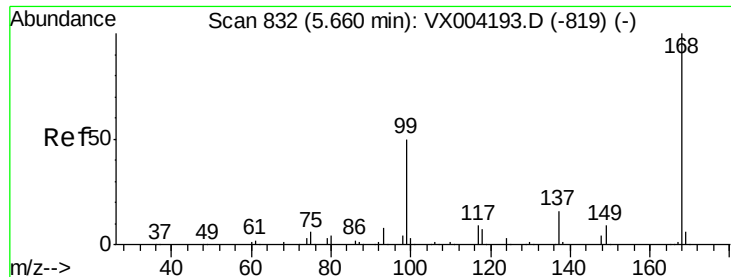
Instrument :
 MSVOA_X
 ClientSampleId :
 TMW-1

Quant Time: Aug 25 00:29:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
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 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

75) 1,1,2,2-Tetrachloroethane	11.28	83	2103	0.37	ug/l #	43
76) 1,2,3-Trichloropropane	11.14	75	116687	22.90	ug/l #	37
78) n-propylbenzene	11.36	91	113008	5.97	ug/l	98
79) 2-Chlorotoluene	11.36	91	113008	9.70	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.51	105	174787	12.83	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.14	75	116687	74.30	ug/l #	10
82) 4-Chlorotoluene	11.51	91	18484	1.35	ug/l #	46
83) tert-Butylbenzene	11.77	119	4438	0.32	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	34515	2.47	ug/l	98
85) sec-Butylbenzene	11.95	105	20862	1.28	ug/l #	55
86) p-Isopropyltoluene	12.02	119	8189	0.56	ug/l	93
89) n-Butylbenzene	12.38	91	51853	4.37	ug/l #	22
90) Hexachloroethane	12.67	117	16476	8.08	ug/l #	3
92) 1,2-Dibromo-3-Chloropropan	13.02	75	638	0.63	ug/l #	1
94) Hexachlorobutadiene	13.79	225	266	Below Cal		90
95) Naphthalene	13.83	128	4604	0.28	ug/l #	76

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.01 min

Lab File: VX004247.D

Acq: 24 Aug 2018 15:22

Instrument :

MSVOA_X

ClientSampleId :

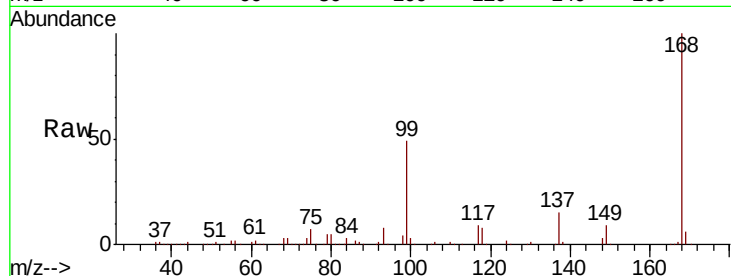
TMW-1

Tot Ion:168 Resp: 301385

Ion Ratio Lower Upper

168 100

99 48.6 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

120000

100000

80000

60000

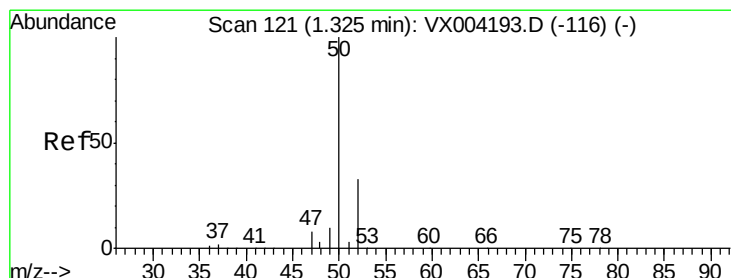
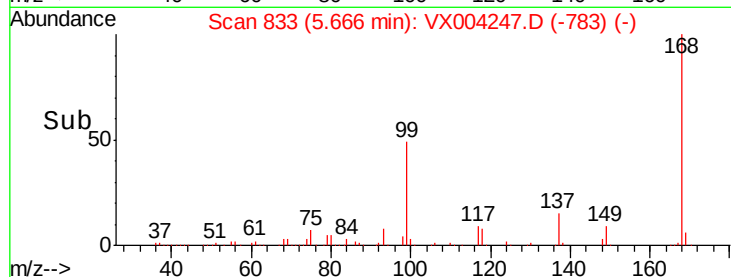
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#3

Chloromethane

Concen: 0.66 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004247.D

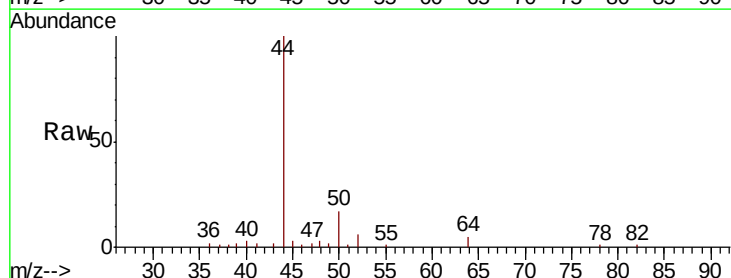
Acq: 24 Aug 2018 15:22

Tgt Ion: 50 Resp: 1448

Ion Ratio Lower Upper

50 100

52 36.8 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1200

1000

800

600

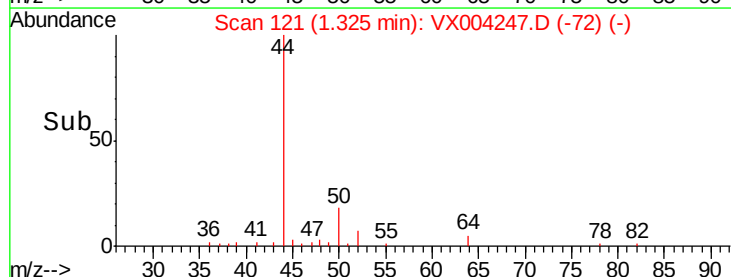
400

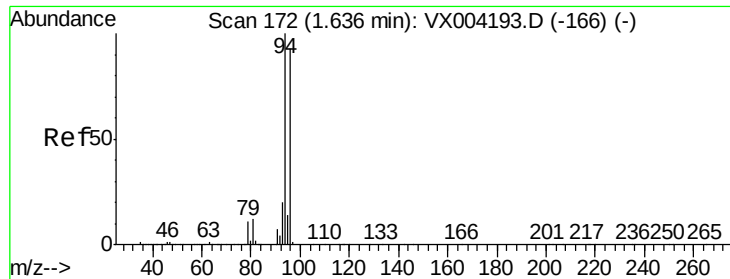
200

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX004247.D

Acq: 24 Aug 2018 15:22

Instrument :

MSVOA_X

ClientSampleId :

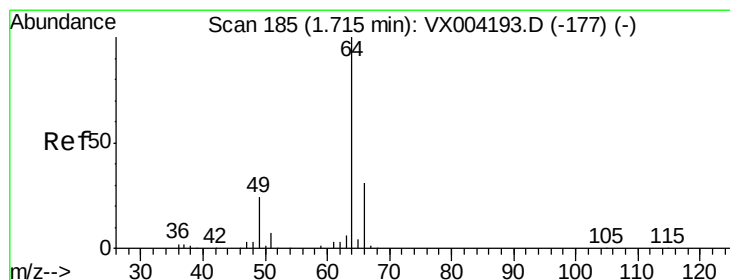
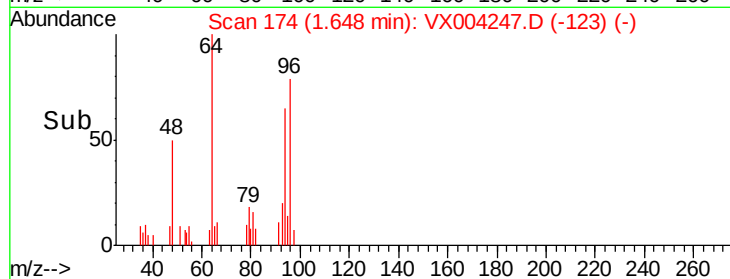
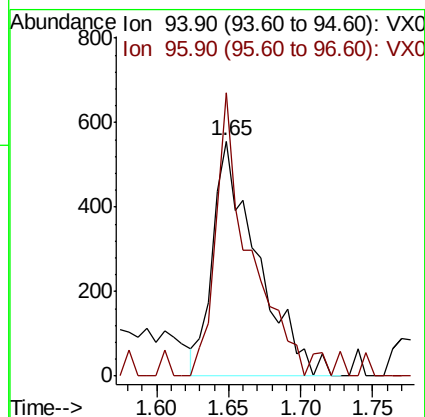
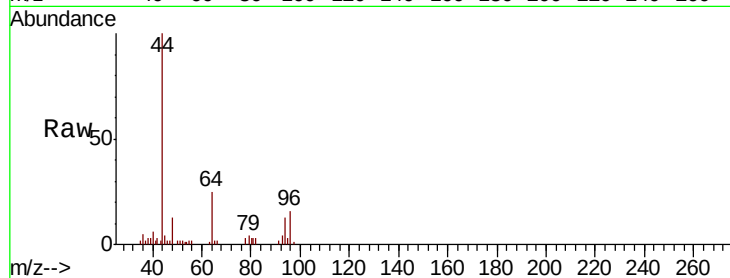
TMW-1

Tot Ion: 94 Resp: 1194

Ion Ratio Lower Upper

94 100

96 120.3 74.5 111.7#



#6

Chloroethane

Concen: 1.18 ug/l

RT: 1.69 min Scan# 181

Delta R.T. -0.02 min

Lab File: VX004247.D

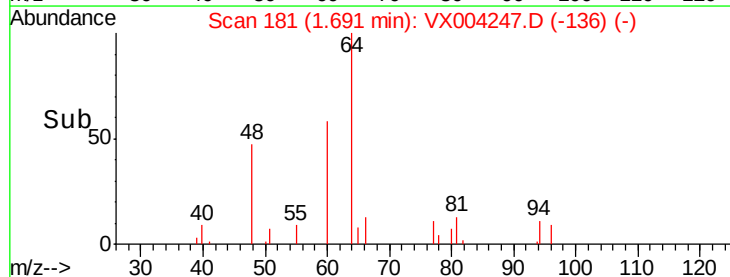
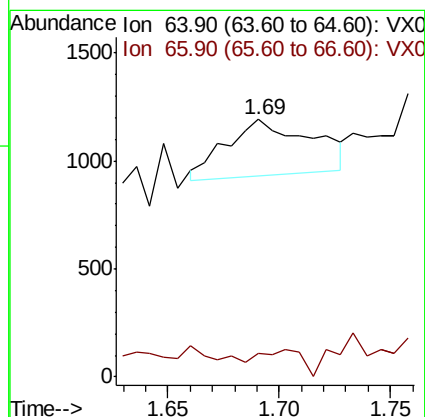
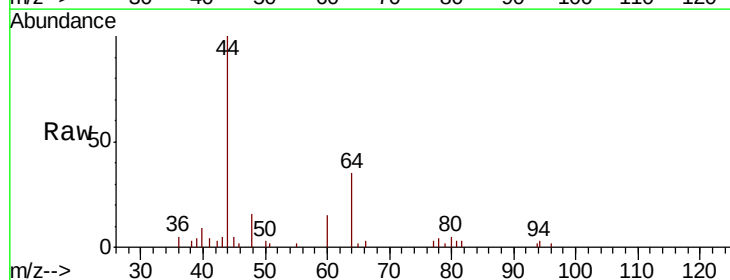
Acq: 24 Aug 2018 15:22

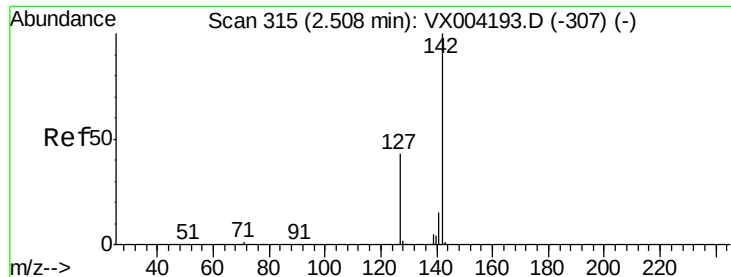
Tgt Ion: 64 Resp: 687

Ion Ratio Lower Upper

64 100

66 4.3 24.6 36.8#

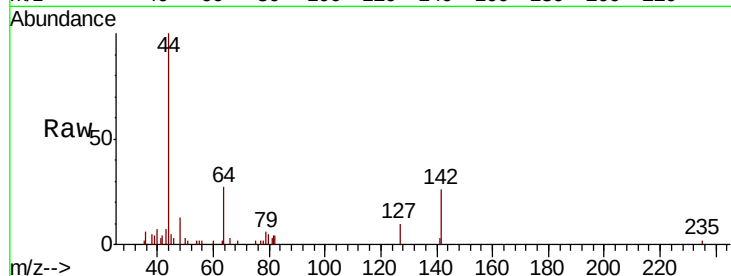




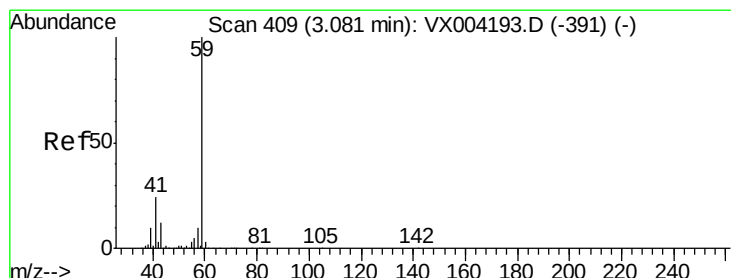
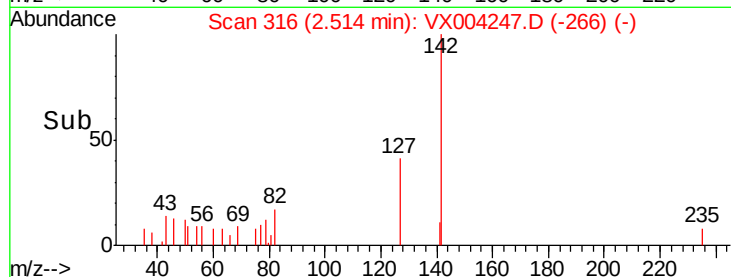
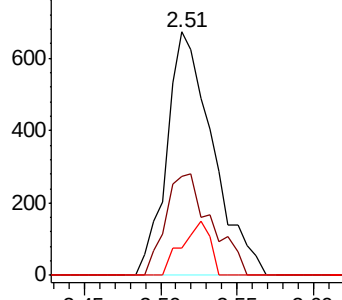
#10
Methyl Iodide
Concen: 4.60 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX004247.D
Acq: 24 Aug 2018 15:22

Instrument :
MSVOA_X
ClientSampled :
TMW-1

Tot Ion:142 Resp: 1405
Ion Ratio Lower Upper
142 100
127 41.3 33.8 50.6
141 13.5 11.4 17.0

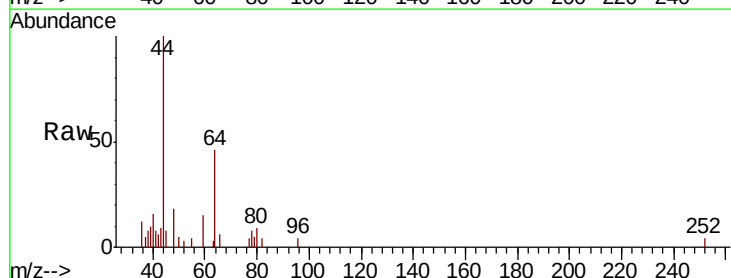


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

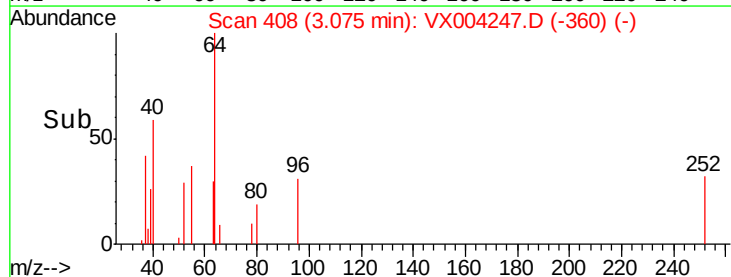
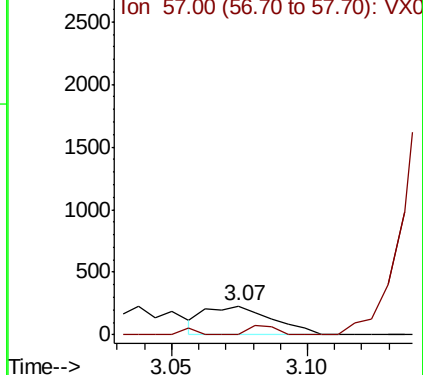


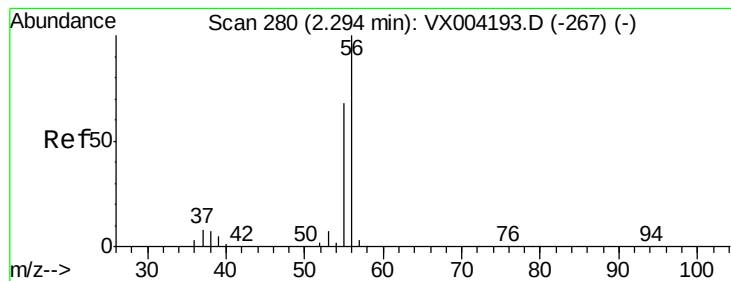
#11
Tert butyl alcohol
Concen: 0.47 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX004247.D
Acq: 24 Aug 2018 15:22

Tgt Ion: 59 Resp: 394
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



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





#13

Acrolein

Concen: 1.80 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX004247.D

Acq: 24 Aug 2018 15:22

Instrument :

MSVOA_X

ClientSampled :

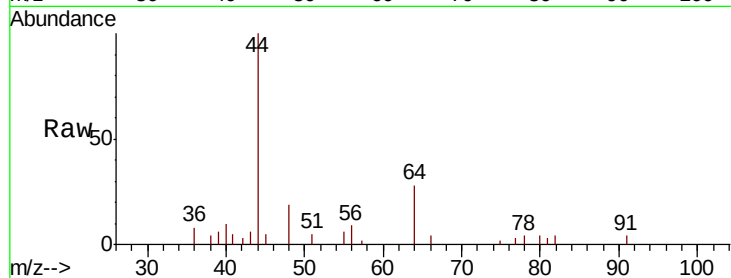
TMW-1

Tot Ion: 56 Resp: 363

Ion Ratio Lower Upper

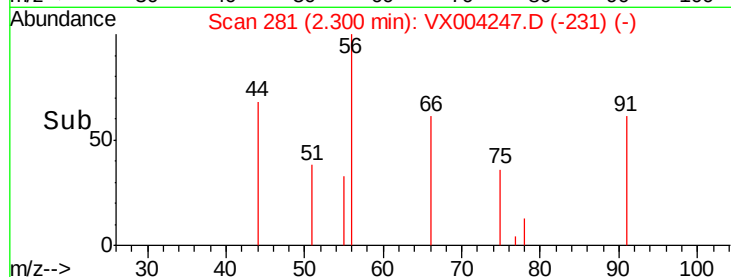
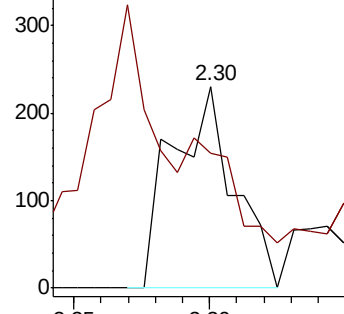
56 100

55 0.0 54.7 82.1#

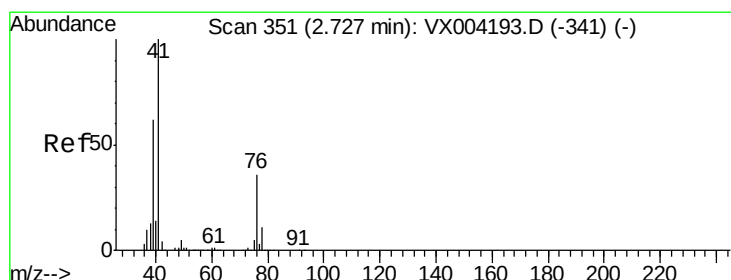


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#14

Allyl chloride

Concen: 0.39 ug/l

RT: 2.84 min Scan# 369

Delta R.T. 0.11 min

Lab File: VX004247.D

Acq: 24 Aug 2018 15:22

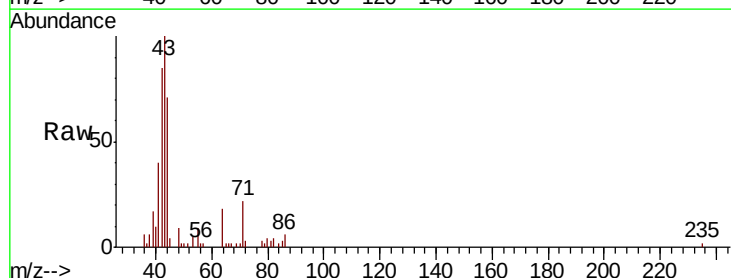
Tgt Ion: 41 Resp: 2287

Ion Ratio Lower Upper

41 100

39 27.9 48.9 73.3#

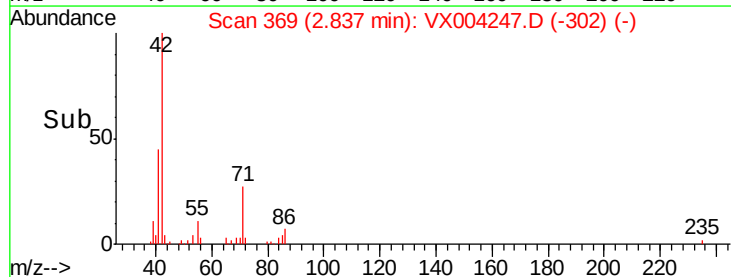
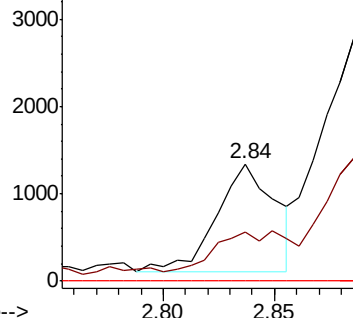
76 0.0 26.7 40.1#



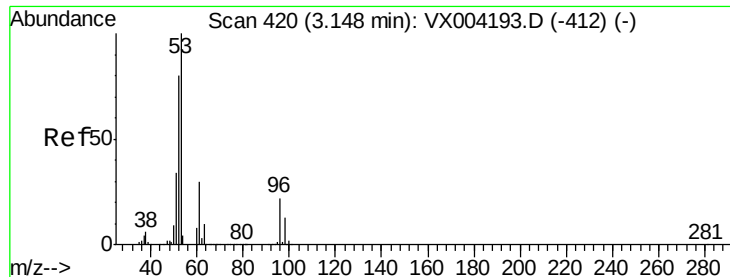
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0



Time-->



#15

Acrylonitrile

Concen: 0.49 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX004247.D

Acq: 24 Aug 2018 15:22

Instrument :

MSVOA_X

ClientSampleId :

TMW-1

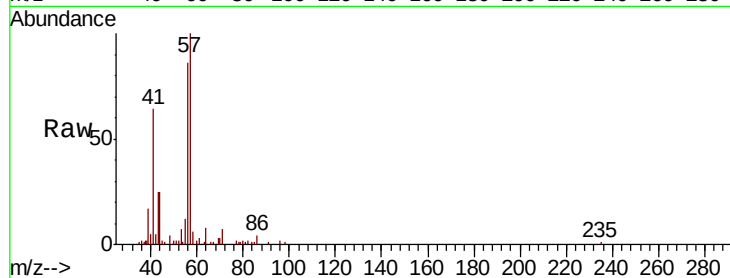
Tot Ion: 53 Resp: 1026

Ion Ratio Lower Upper

53 100

52 38.1 65.2 97.8#

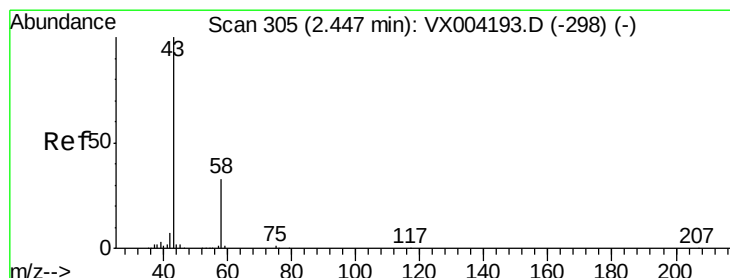
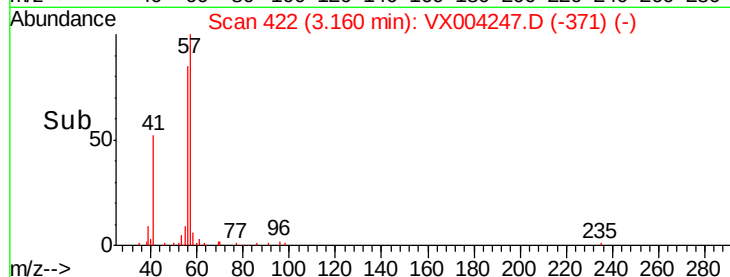
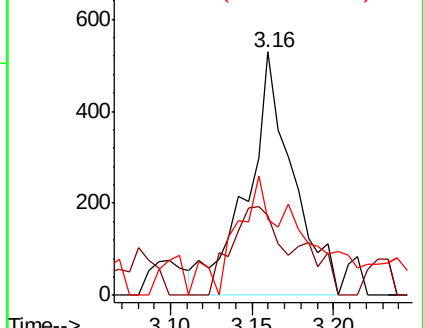
51 41.1 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 3.96 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX004247.D

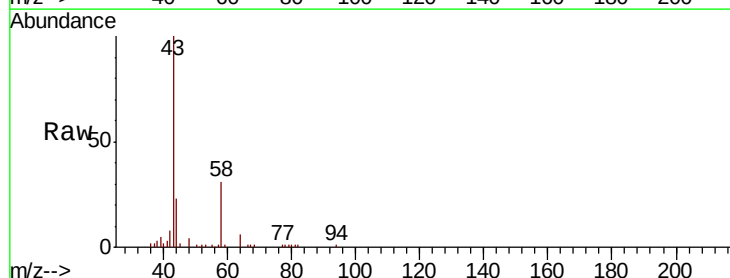
Acq: 24 Aug 2018 15:22

Tgt Ion: 43 Resp: 19088

Ion Ratio Lower Upper

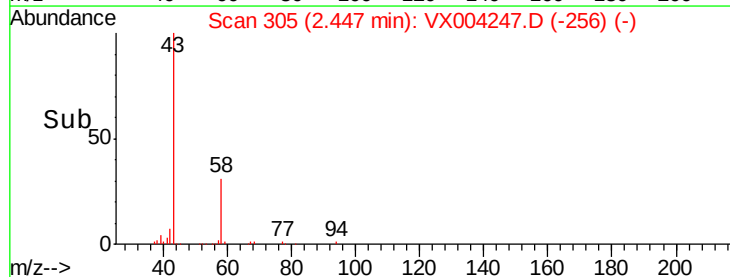
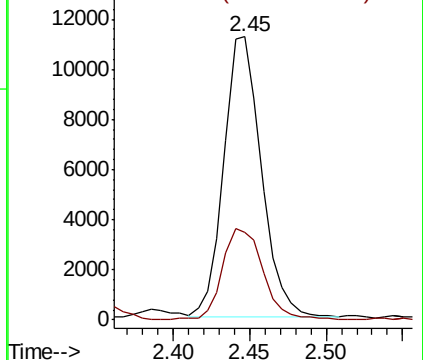
43 100

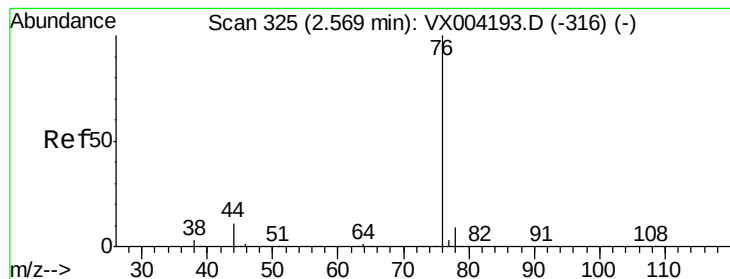
58 31.2 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 1.04 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX004247.D

Acq: 24 Aug 2018 15:22

Instrument :

MSVOA_X

ClientSampled :

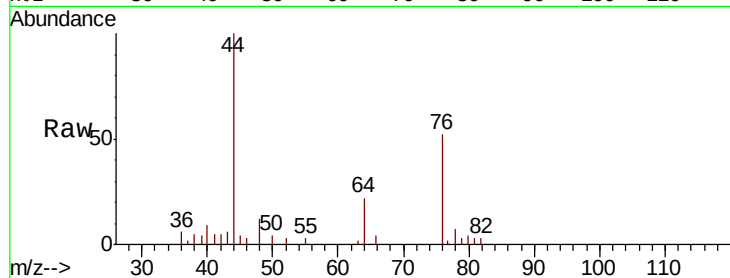
TMW-1

Tot Ion: 76 Resp: 2218

Ion Ratio Lower Upper

76 100

78 5.6 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

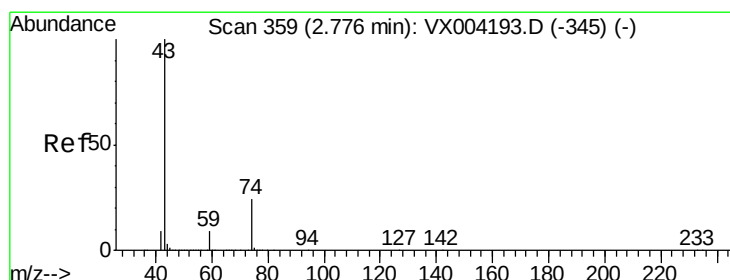
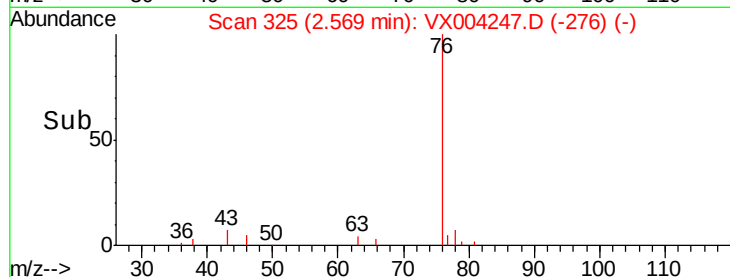
1500

1000

500

0

Time-->



#18

Methyl Acetate

Concen: 1.05 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.01 min

Lab File: VX004247.D

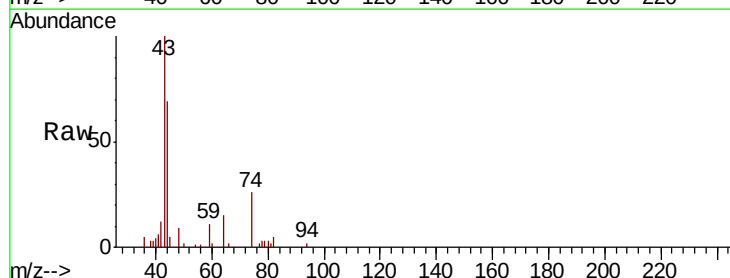
Acq: 24 Aug 2018 15:22

Tgt Ion: 43 Resp: 6131

Ion Ratio Lower Upper

43 100

74 27.3 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

4000

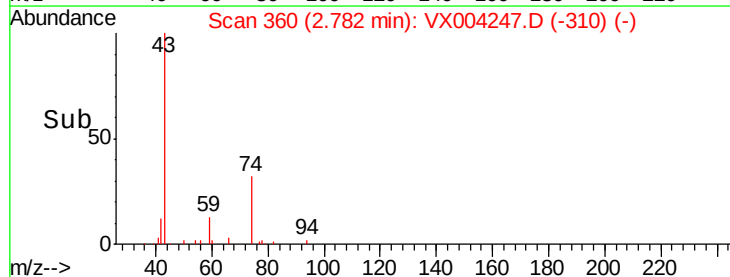
3000

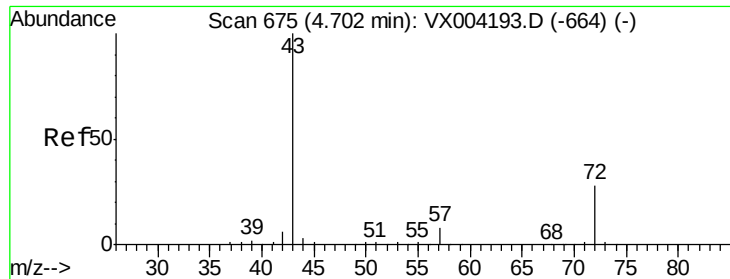
2000

1000

0

Time-->





#25

2-Butanone

Concen: 0.25 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX004247.D

Acq: 24 Aug 2018 15:22

Instrument :

MSVOA_X

ClientSampled :

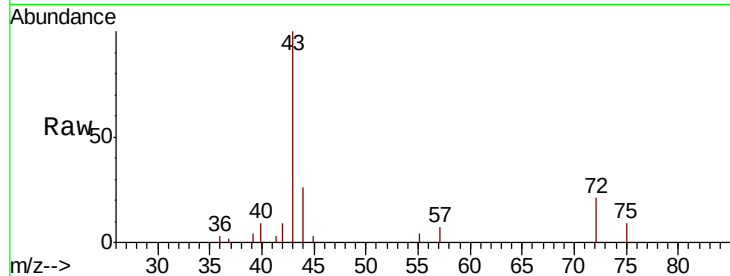
TMW-1

Tot Ion: 43 Resp: 8154

Ion Ratio Lower Upper

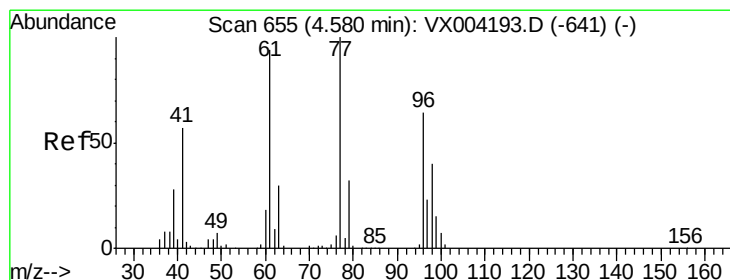
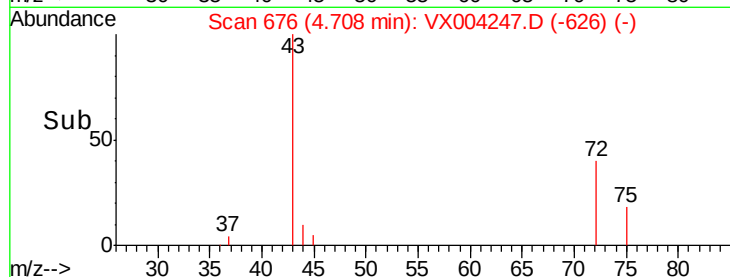
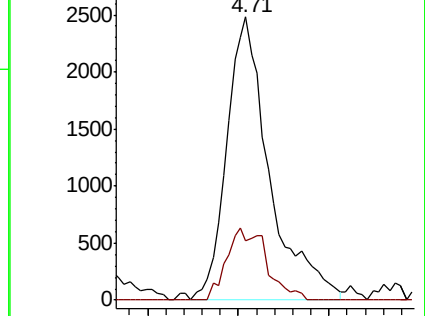
43 100

72 21.0 22.0 33.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 0.24 ug/l

RT: 4.76 min Scan# 684

Delta R.T. 0.18 min

Lab File: VX004247.D

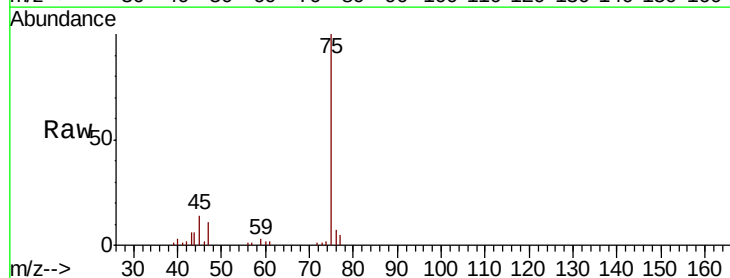
Acq: 24 Aug 2018 15:22

Tgt Ion: 77 Resp: 1183

Ion Ratio Lower Upper

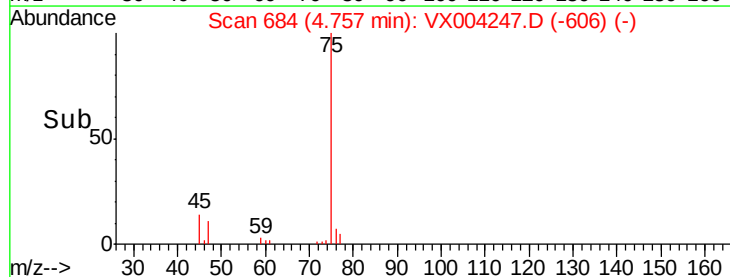
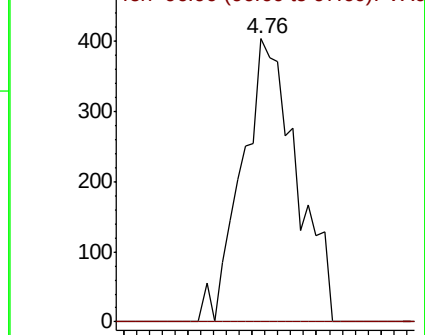
77 100

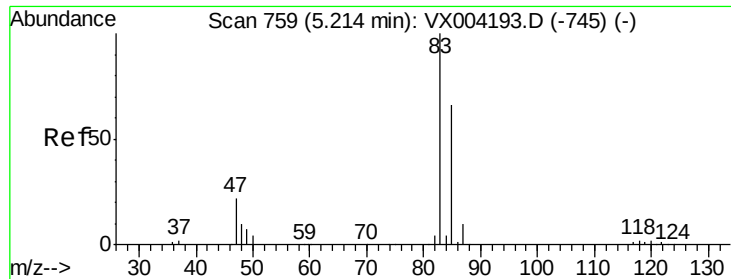
97 0.0 11.7 35.0#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

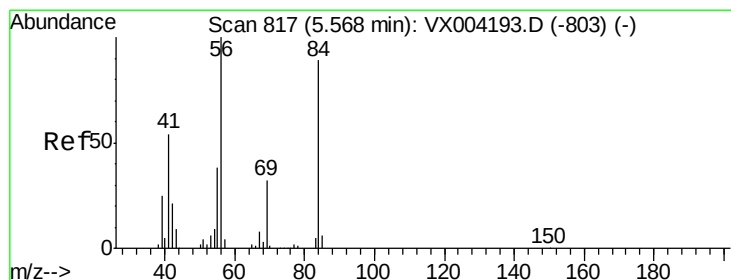
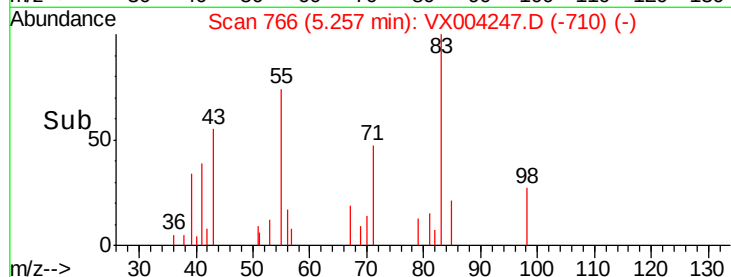
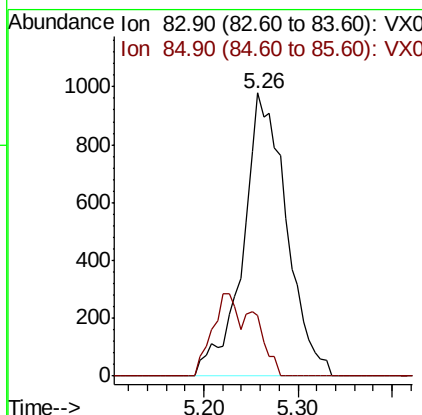
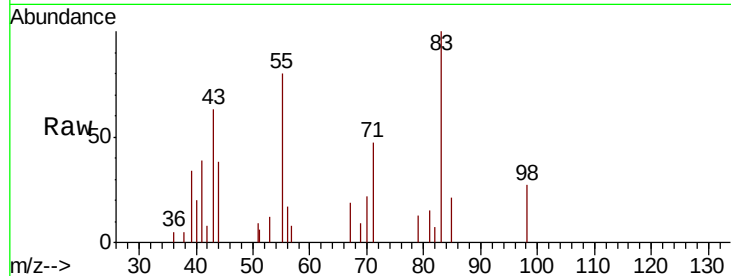




#30
Chloroform
Concen: 0.50 ug/l
RT: 5.26 min Scan# 766
Delta R.T. 0.04 min
Lab File: VX004247.D
Acq: 24 Aug 2018 15:22

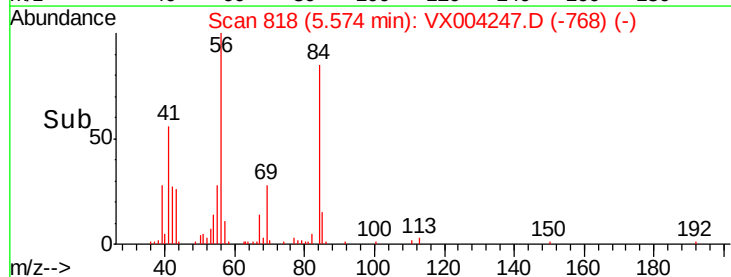
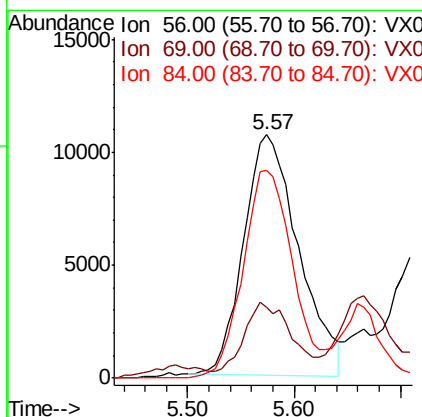
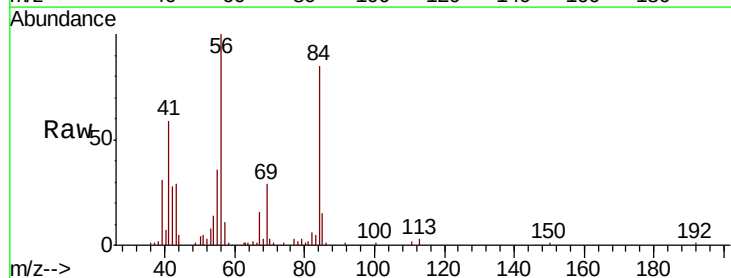
Instrument :
MSVOA_X
ClientSampled :
TMW-1

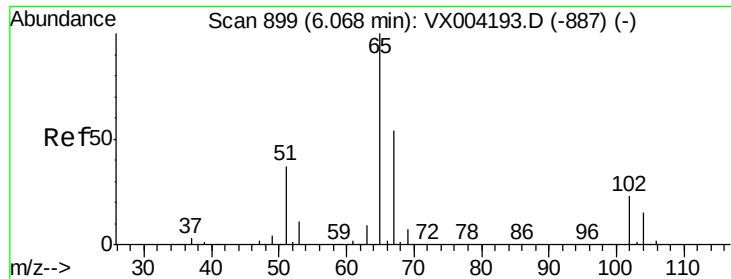
Tot Ion: 83 Resp: 3170
Ion Ratio Lower Upper
83 100
85 21.4 52.6 79.0#



#31
Cyclohexane
Concen: 7.00 ug/l
RT: 5.57 min Scan# 818
Delta R.T. 0.01 min
Lab File: VX004247.D
Acq: 24 Aug 2018 15:22

Tgt Ion: 56 Resp: 38550
Ion Ratio Lower Upper
56 100
69 25.3 25.4 38.2#
84 86.5 71.4 107.2

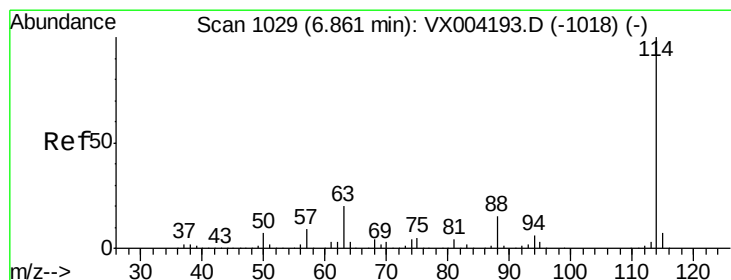
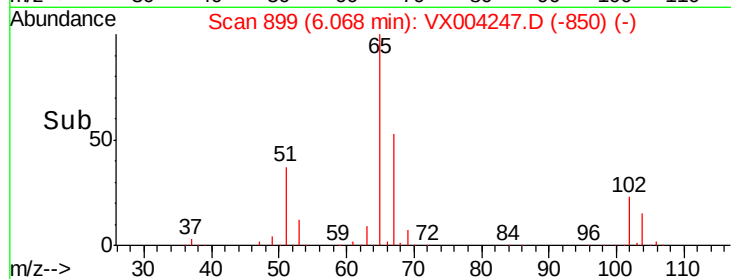
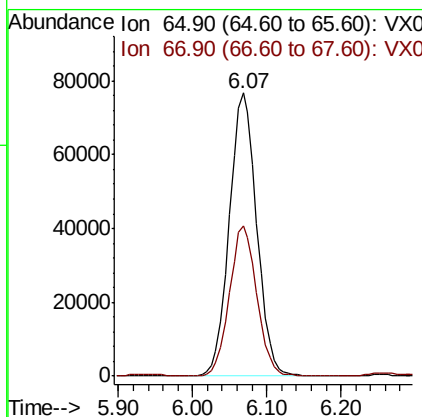
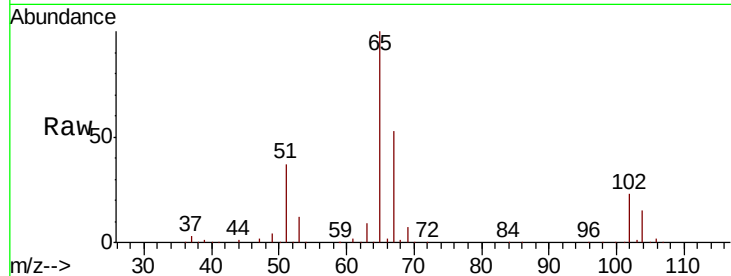




#33
 1,2-Dichloroethane-d4
 Concen: 50.29 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX004247.D
 Acq: 24 Aug 2018 15:22

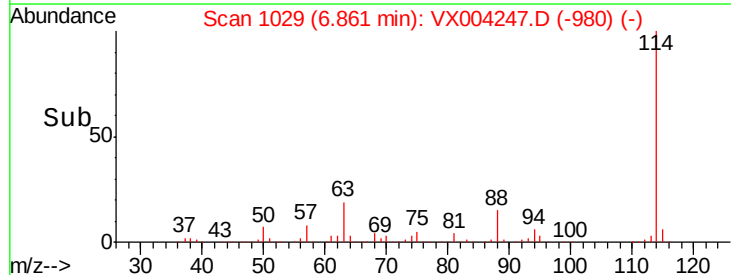
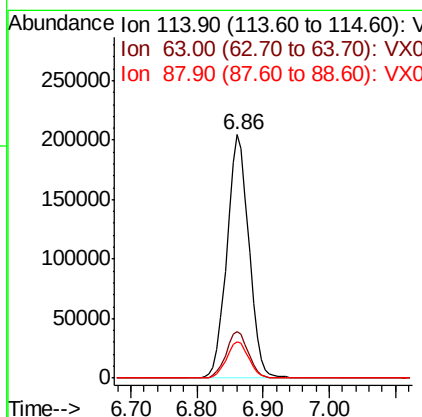
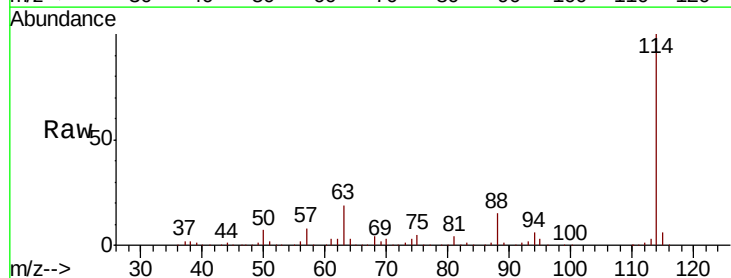
Instrument :
 MSVOA_X
 ClientSampleId :
 TMW-1

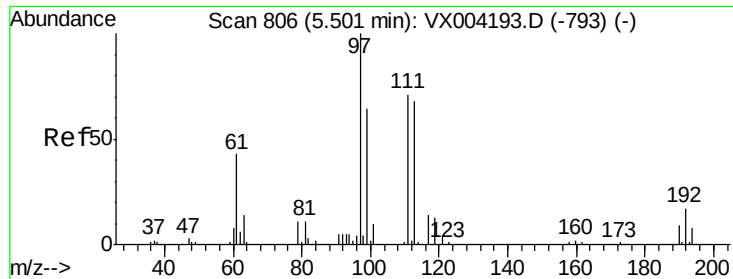
Tot Ion: 65 Resp: 197544
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: VX004247.D
 Acq: 24 Aug 2018 15:22

Tgt Ion: 114 Resp: 470565
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.0
 88 14.9 0.0 30.4

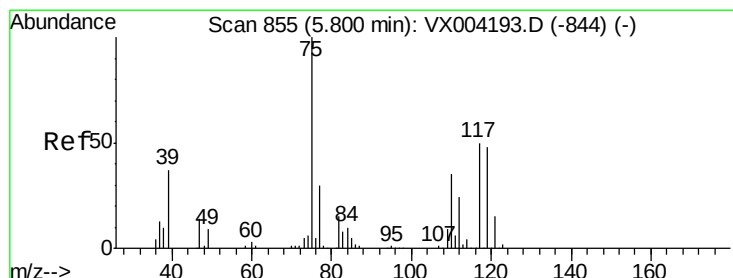
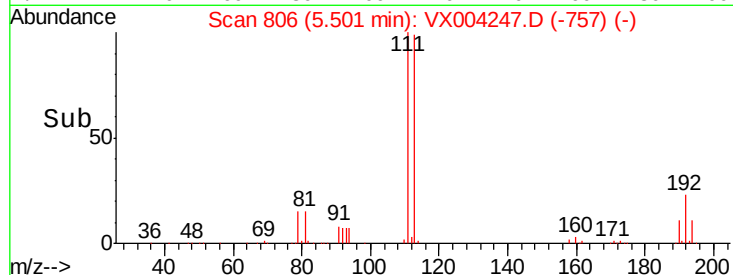
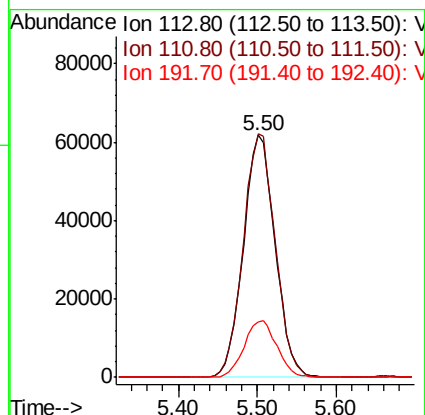
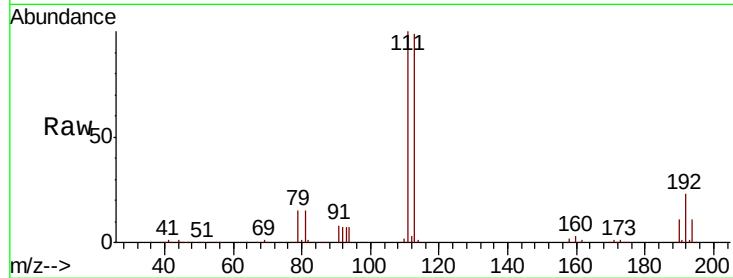




#35
 Dibromofluoromethane
 Concen: 49.55 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX004247.D
 Acq: 24 Aug 2018 15:22

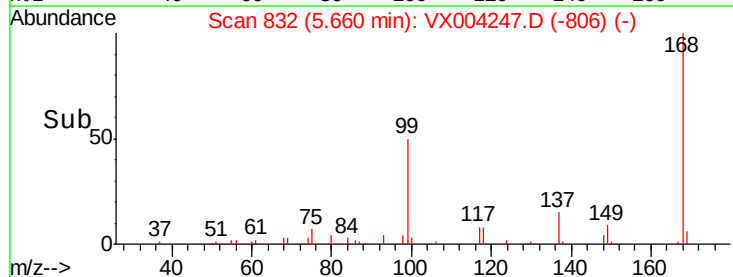
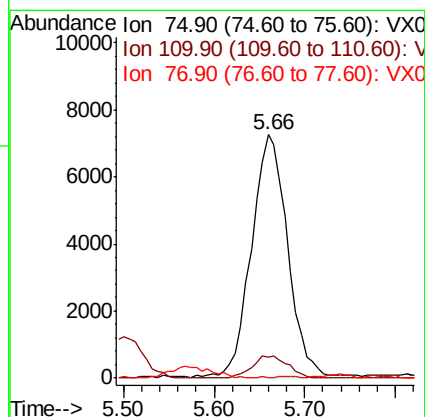
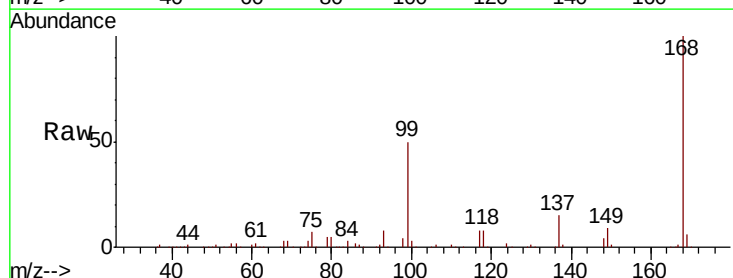
Instrument :
 MSVOA_X
 ClientSampleId :
 TMW-1

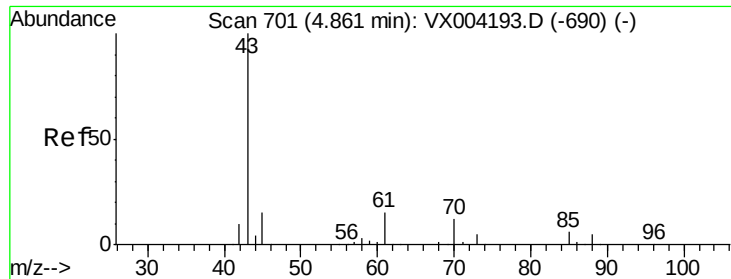
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	82.4	123.6
192	23.9	19.4	29.2



#36
 1,1-Dichloropropene
 Concen: 3.81 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.14 min
 Lab File: VX004247.D
 Acq: 24 Aug 2018 15:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.0	54.0#
77	0.0	24.6	36.8#

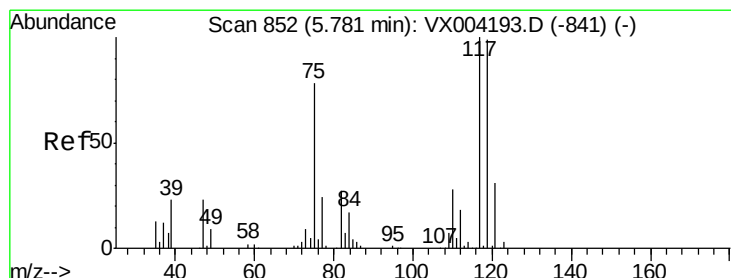
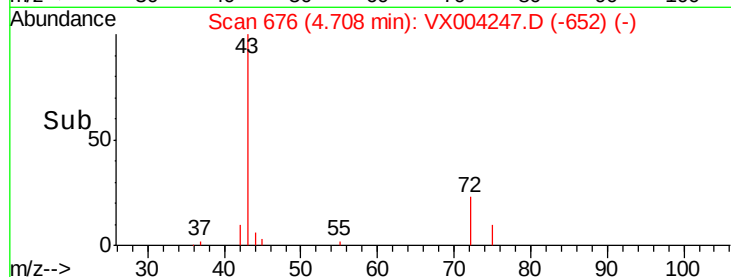
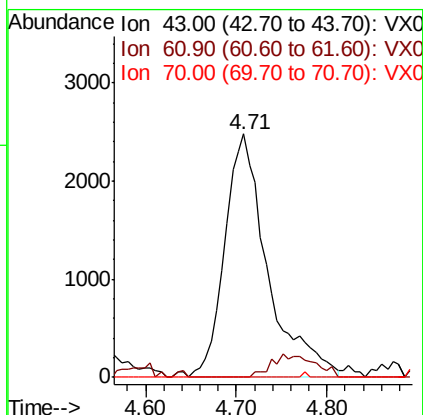
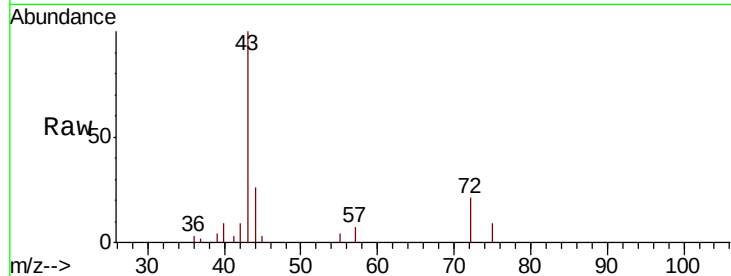




#37
Ethyl Acetate
Concen: 1.57 ug/l
RT: 4.71 min Scan# 676
Delta R.T. -0.15 min
Lab File: VX004247.D
Acq: 24 Aug 2018 15:22

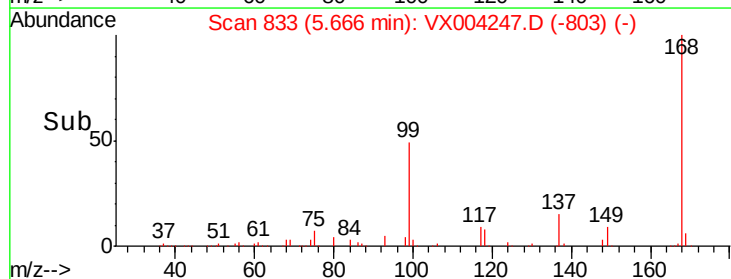
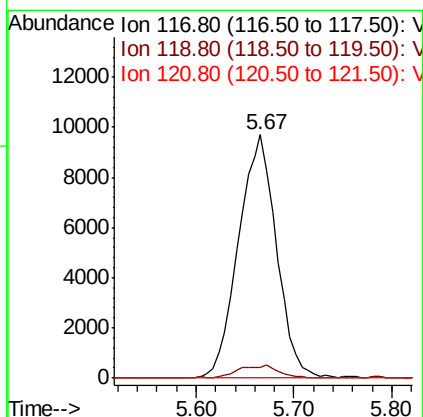
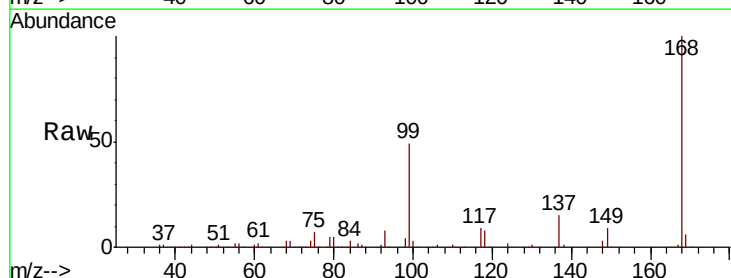
Instrument :
MSVOA_X
ClientSampleId :
TMW-1

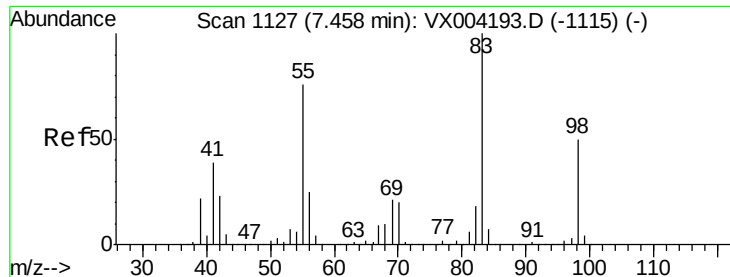
Tot Ion: 43 Resp: 8154
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 9.0 13.6#



#38
Carbon Tetrachloride
Concen: 5.25 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX004247.D
Acq: 24 Aug 2018 15:22

Tgt Ion: 117 Resp: 26138
Ion Ratio Lower Upper
117 100
119 4.5 78.8 118.2#
121 0.0 24.9 37.3#

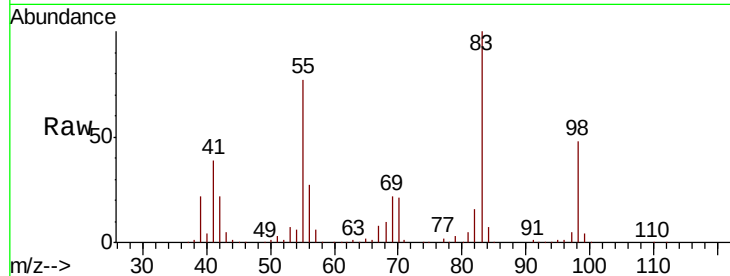




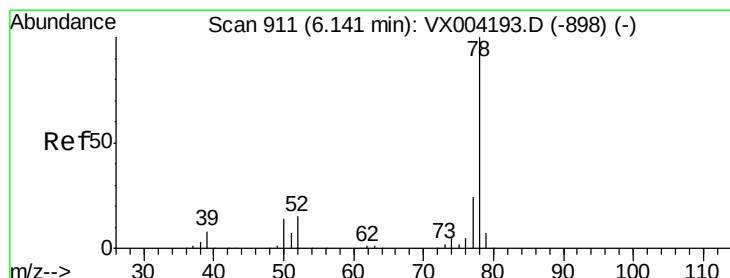
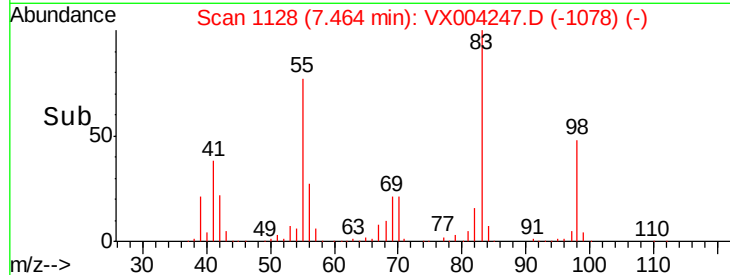
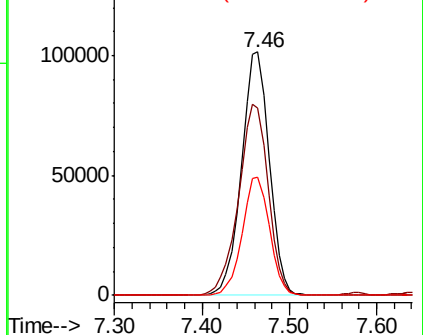
#39
Methylvlcyclohexane
Concen: 37.12 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX004247.D
Acq: 24 Aug 2018 15:22

Instrument :
MSVOA_X
ClientSampled :
TMW-1

Tot Ion: 83 Resp: 224231
Ion Ratio Lower Upper
83 100
55 76.8 61.0 91.4
98 48.5 39.6 59.4

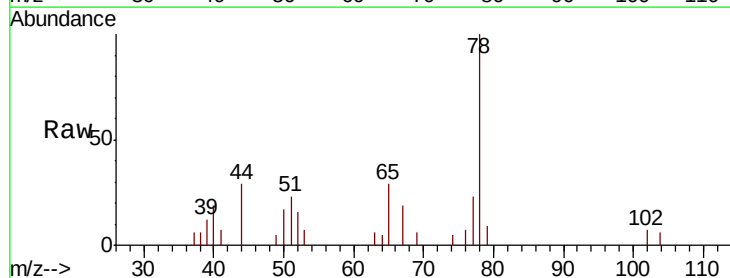


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

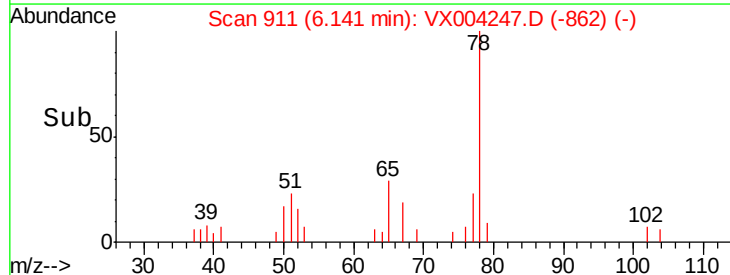
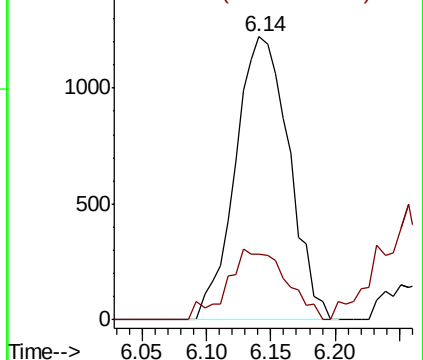


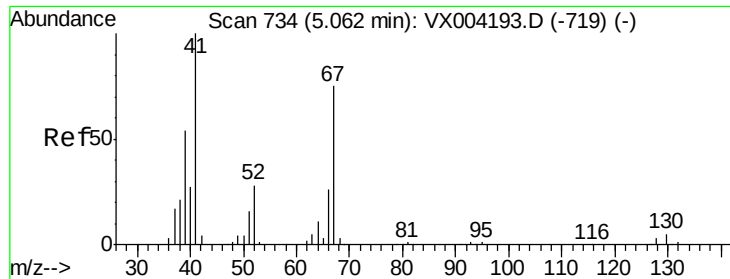
#40
Benzene
Concen: 0.22 ug/l
RT: 6.14 min Scan# 911
Delta R.T. 0.00 min
Lab File: VX004247.D
Acq: 24 Aug 2018 15:22

Tgt Ion: 78 Resp: 3533
Ion Ratio Lower Upper
78 100
77 23.3 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 0.33 ug/l

RT: 5.06 min Scan# 734

Delta R.T. 0.00 min

Lab File: VX004247.D

Acq: 24 Aug 2018 15:22

Instrument :

MSVOA_X

ClientSampleId :

TMW-1

Tot Ion: 41 Resp: 982

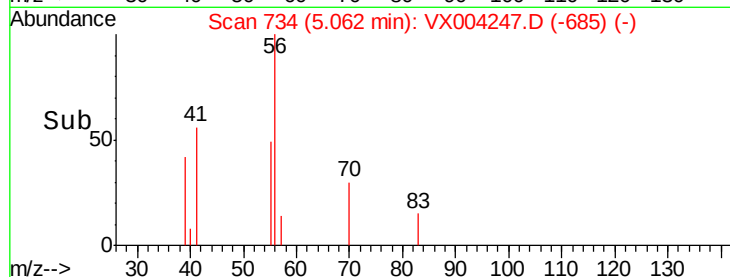
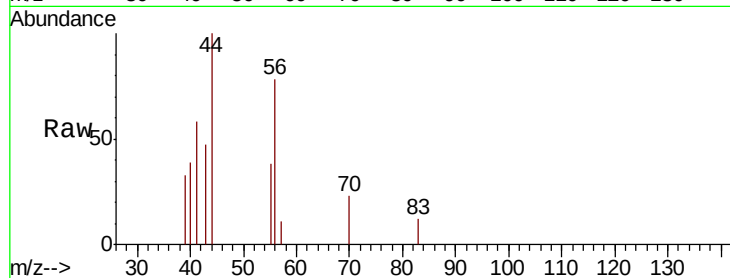
Ion Ratio Lower Upper

41 100

39 51.5 42.4 63.6

67 0.0 59.2 88.8#

52 0.0 23.0 34.4#

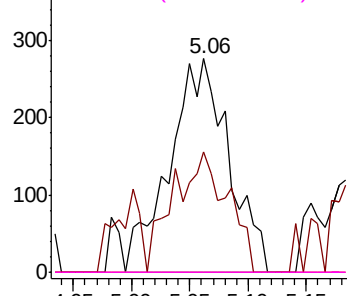


Abundance Ion 41.00 (40.70 to 41.70): VX0

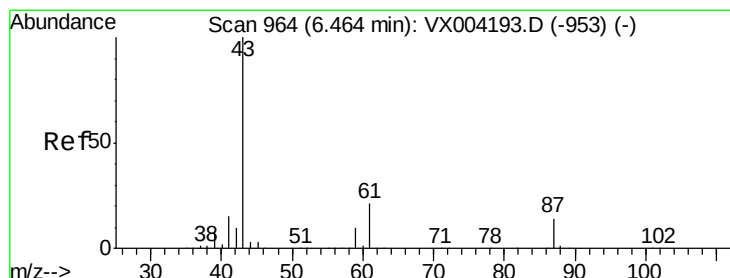
Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



Time-->



#43

Isopropyl Acetate

Concen: 0.60 ug/l

RT: 6.45 min Scan# 962

Delta R.T. -0.01 min

Lab File: VX004247.D

Acq: 24 Aug 2018 15:22

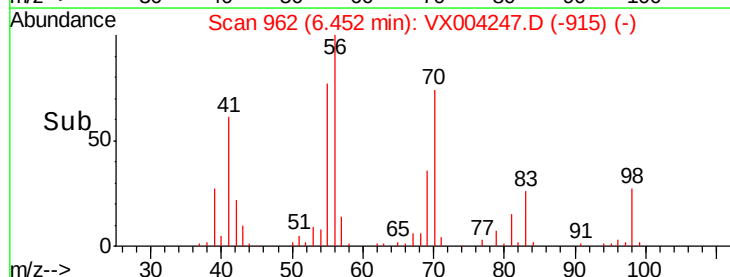
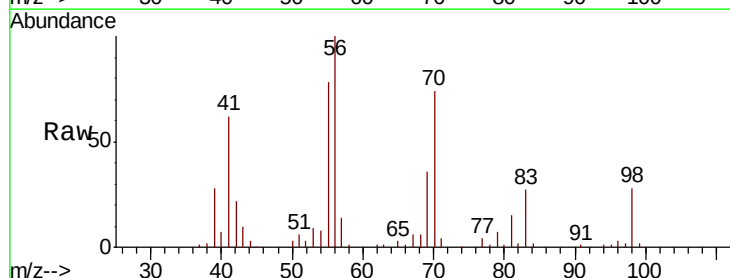
Tgt Ion: 43 Resp: 4759

Ion Ratio Lower Upper

43 100

61 0.0 17.0 25.4#

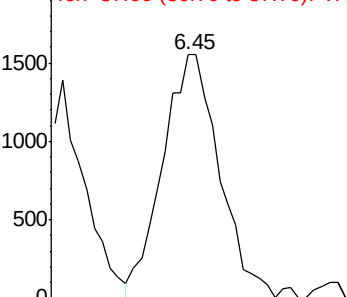
87 0.0 11.4 17.2#



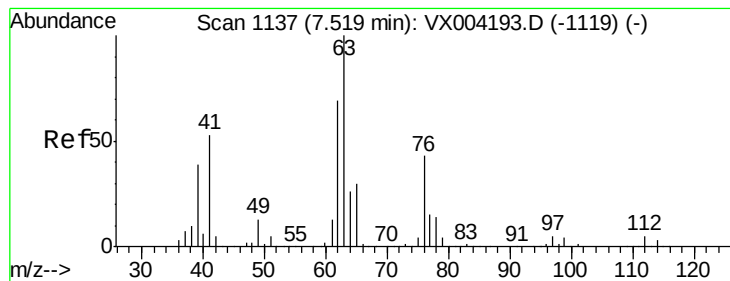
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



Time-->



#45

1,2-Dichloropropane

Concen: 0.64 ug/l

RT: 7.46 min Scan# 1127

Delta R.T. -0.06 min

Lab File: VX004247.D

Acq: 24 Aug 2018 15:22

Instrument :

MSVOA_X

ClientSampled :

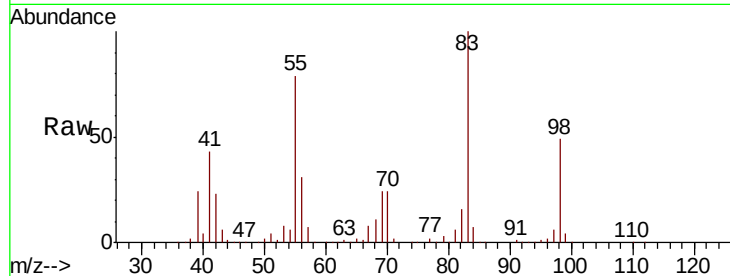
TMW-1

Tot Ion: 63 Resp: 2540

Ion Ratio Lower Upper

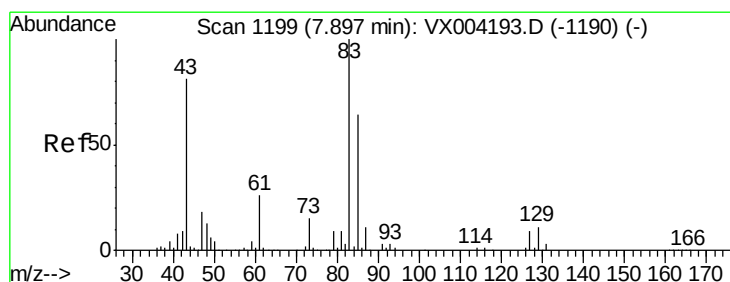
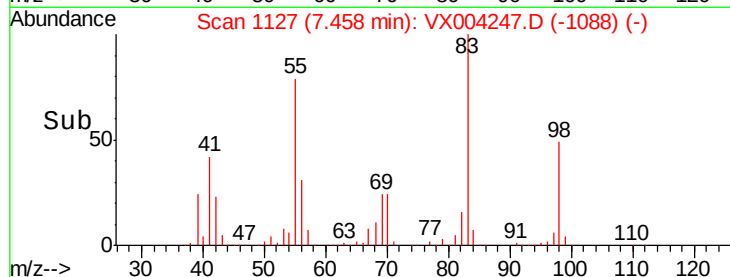
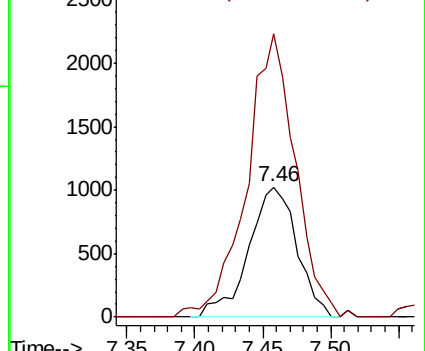
63 100

65 217.7 24.3 36.5#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#47

Bromodichloromethane

Concen: 0.59 ug/l

RT: 7.85 min Scan# 1191

Delta R.T. -0.05 min

Lab File: VX004247.D

Acq: 24 Aug 2018 15:22

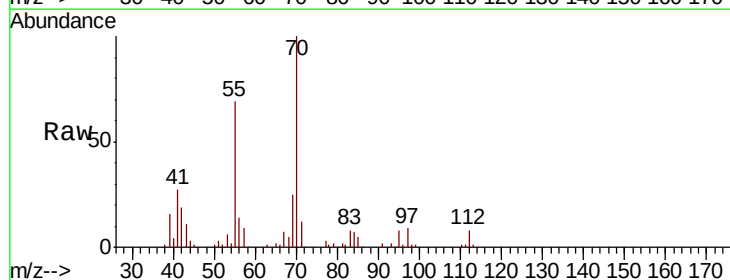
Tgt Ion: 83 Resp: 2902

Ion Ratio Lower Upper

83 100

85 58.5 50.9 76.3

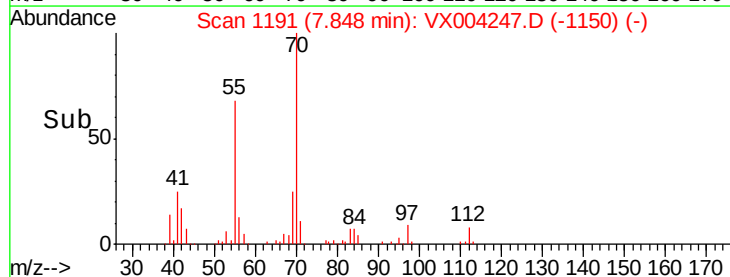
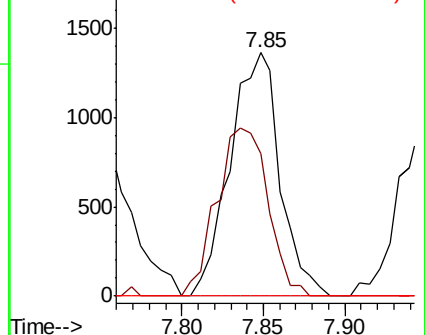
127 0.0 7.3 10.9#

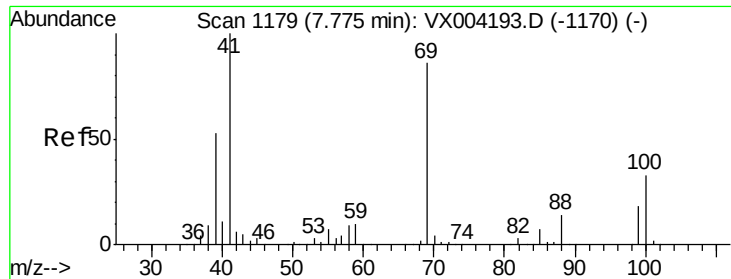


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V

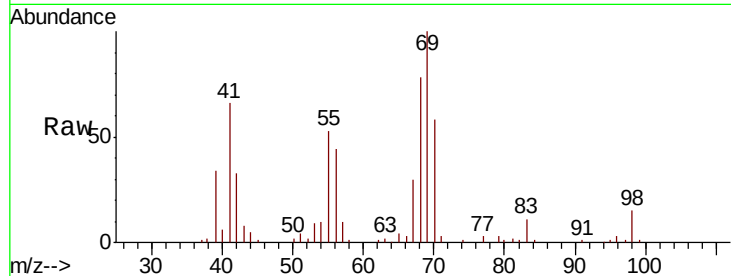




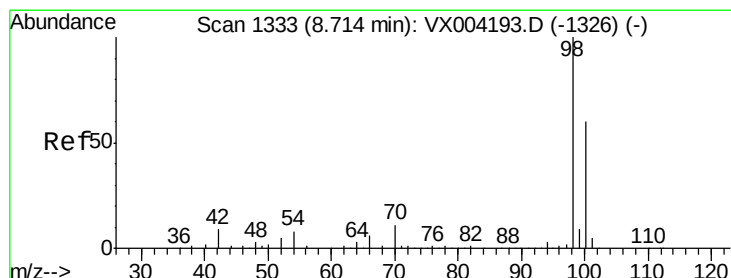
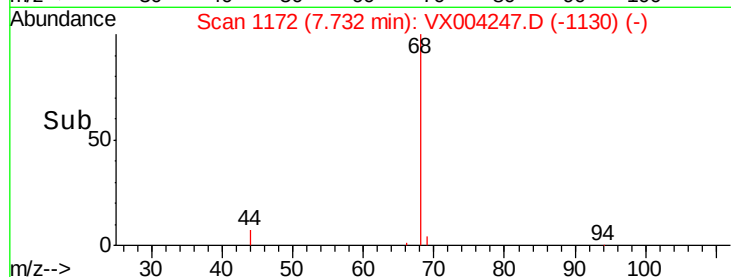
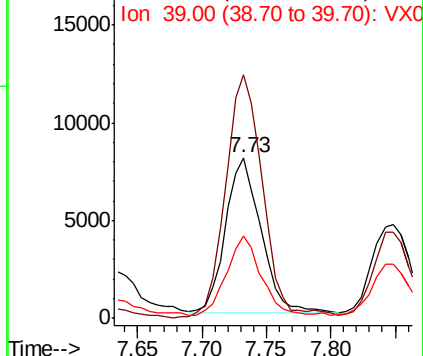
#48
Methvl methacrylate
Concen: 3.59 ug/l
RT: 7.73 min Scan# 1172
Delta R.T. -0.04 min
Lab File: VX004247.D
Acq: 24 Aug 2018 15:22

Instrument :
MSVOA_X
ClientSampleId :
TMW-1

Tot Ion: 41 Resp: 15340
Ion Ratio Lower Upper
41 100
69 162.3 70.2 105.4#
39 50.4 42.7 64.1

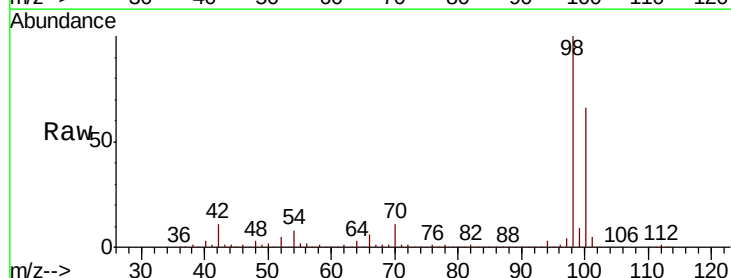


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

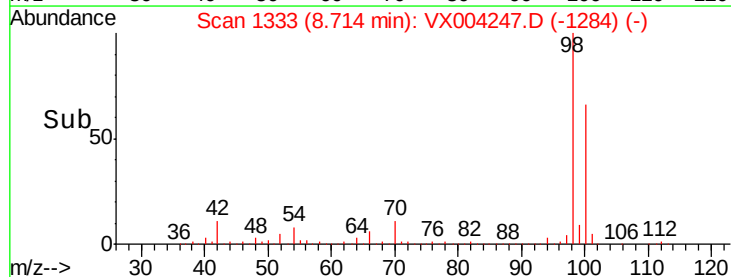
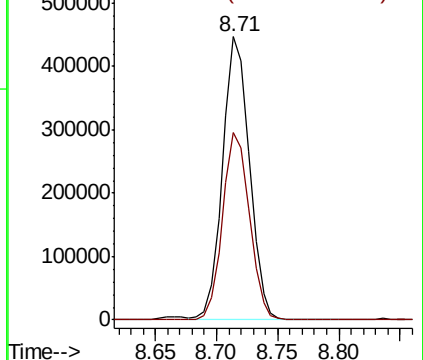


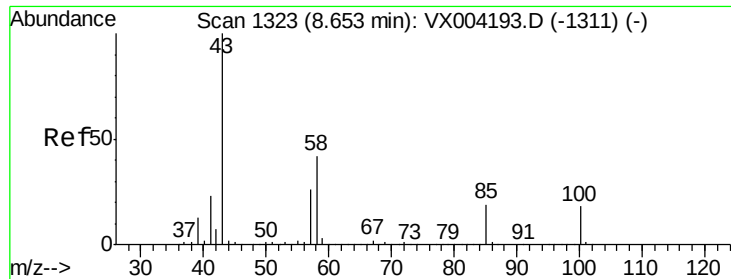
#50
Toluene-d8
Concen: 51.38 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. 0.00 min
Lab File: VX004247.D
Acq: 24 Aug 2018 15:22

Tgt Ion: 98 Resp: 678941
Ion Ratio Lower Upper
98 100
100 66.4 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.76 ug/l

RT: 8.67 min Scan# 1325

Delta R.T. 0.01 min

Lab File: VX004247.D

Acq: 24 Aug 2018 15:22

Instrument :

MSVOA_X

ClientSampleId :

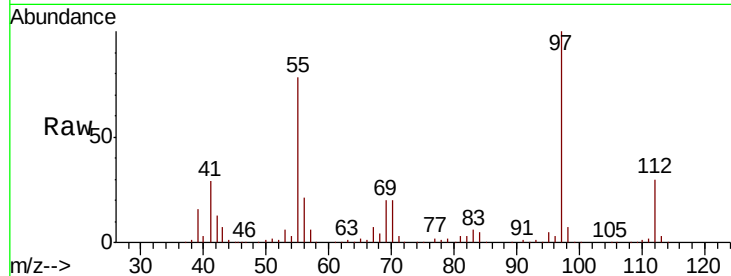
TMW-1

Tot Ion: 43 Resp: 10246

Ion Ratio Lower Upper

43 100

58 5.1 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

6000

5000

4000

3000

2000

1000

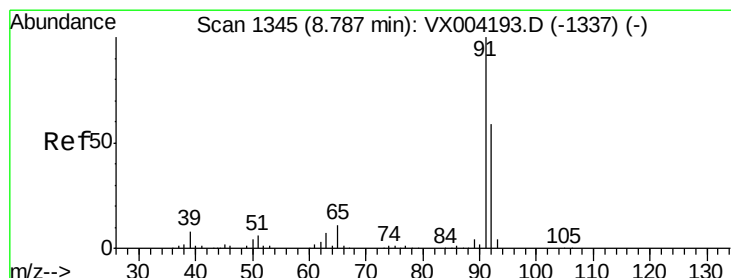
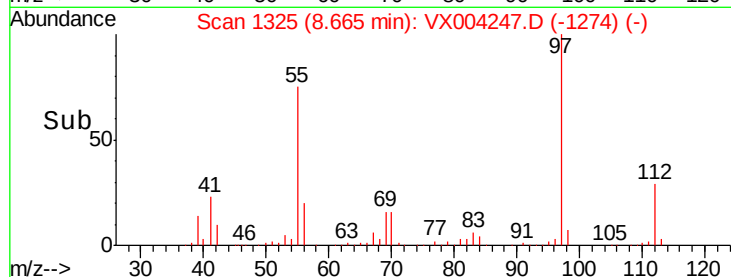
0

8.60

8.65

8.70

Time-->



#52

Toluene

Concen: 0.52 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX004247.D

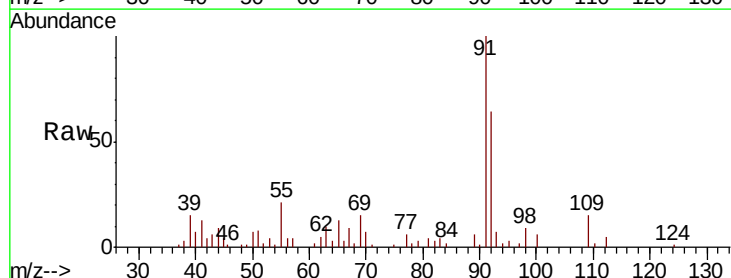
Acq: 24 Aug 2018 15:22

Tgt Ion: 92 Resp: 5118

Ion Ratio Lower Upper

92 100

91 164.0 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

6000

5000

4000

3000

2000

1000

0

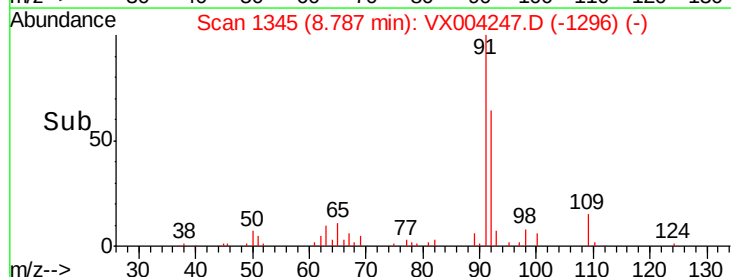
8.70

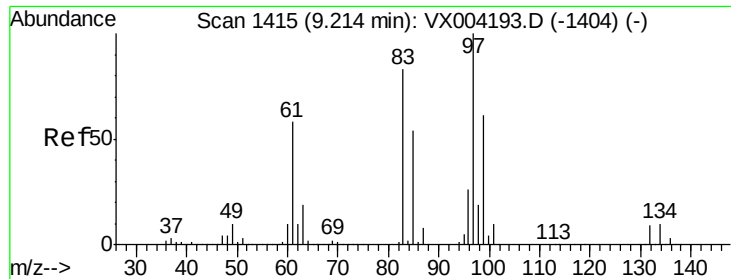
8.75

8.80

8.85

Time-->

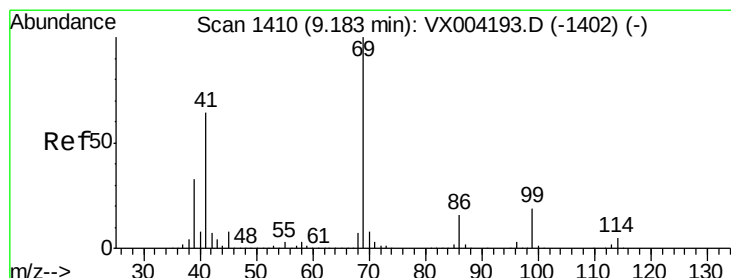
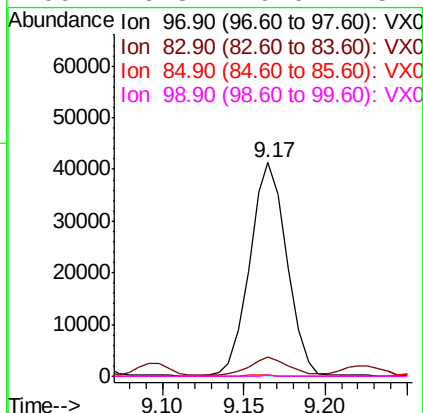
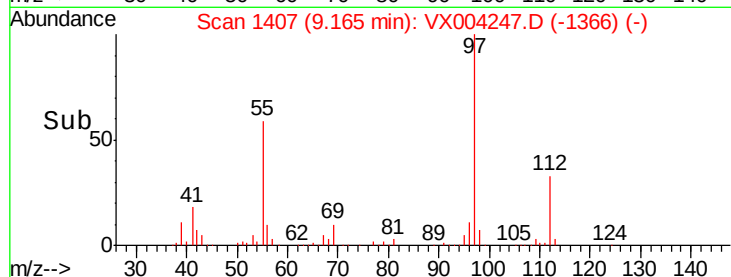
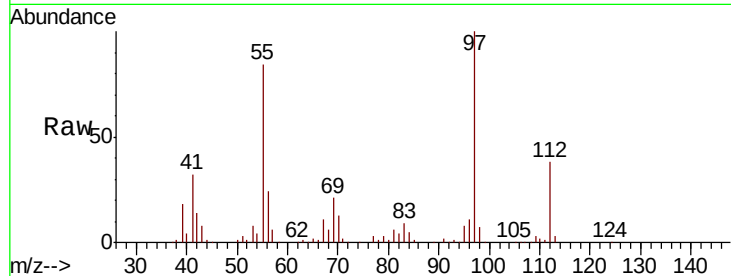




#55
 1,1,2-Trichloroethane
 Concen: 16.33 ug/l
 RT: 9.17 min Scan# 1407
 Delta R.T. -0.05 min
 Lab File: VX004247.D
 Acq: 24 Aug 2018 15:22

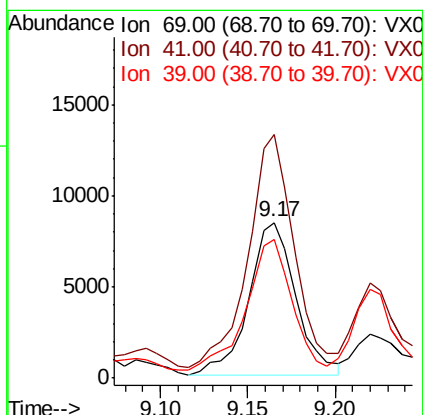
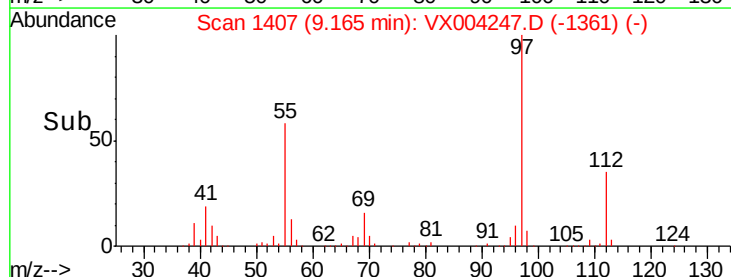
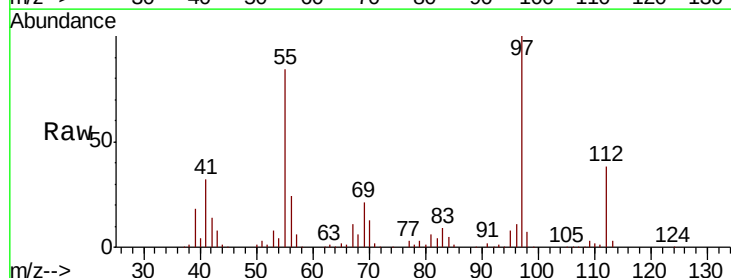
Instrument :
 MSVOA_X
 ClientSampleId :
 TMW-1

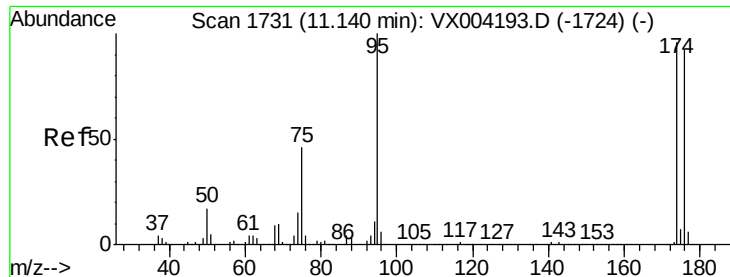
Tot Ion: 97 Resp: 65210
 Ion Ratio Lower Upper
 97 100
 83 8.3 66.4 99.6#
 85 0.5 43.3 64.9#
 99 0.3 49.0 73.4#



#56
 Ethyl methacrylate
 Concen: 2.89 ug/l
 RT: 9.17 min Scan# 1407
 Delta R.T. -0.02 min
 Lab File: VX004247.D
 Acq: 24 Aug 2018 15:22

Tgt Ion: 69 Resp: 15699
 Ion Ratio Lower Upper
 69 100
 41 146.6 51.0 76.4#
 39 82.9 26.1 39.1#





#62

4-Bromofluorobenzene

Concen: 50.19 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX004247.D

Acq: 24 Aug 2018 15:22

Instrument :

MSVOA_X

ClientSampleId :

TMW-1

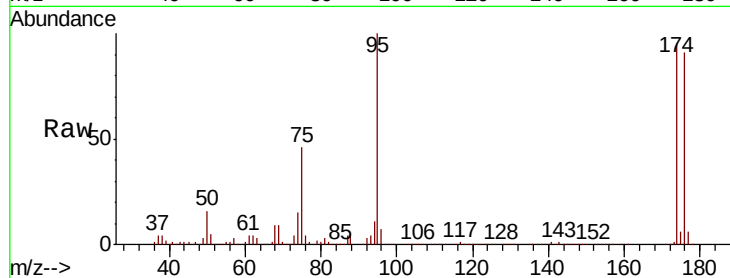
Tot Ion: 95 Resp: 247462

Ion Ratio Lower Upper

95 100

174 88.4 0.0 185.2

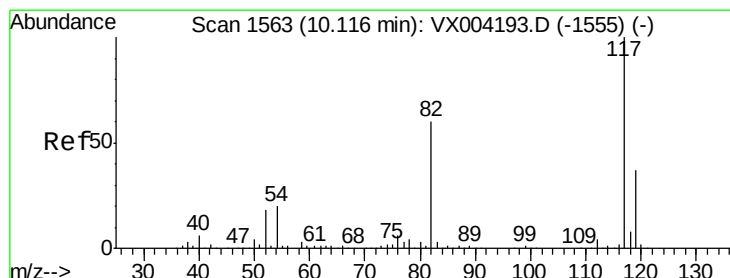
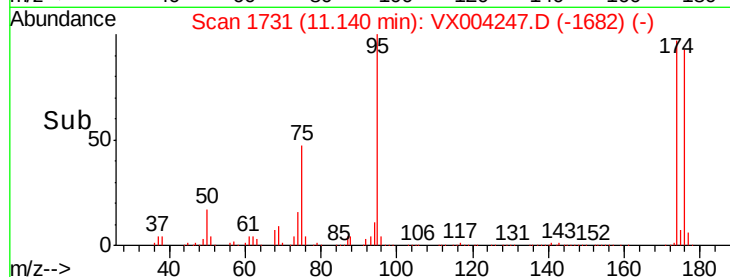
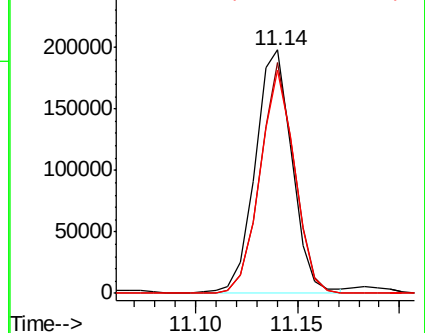
176 87.2 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX004247.D

Acq: 24 Aug 2018 15:22

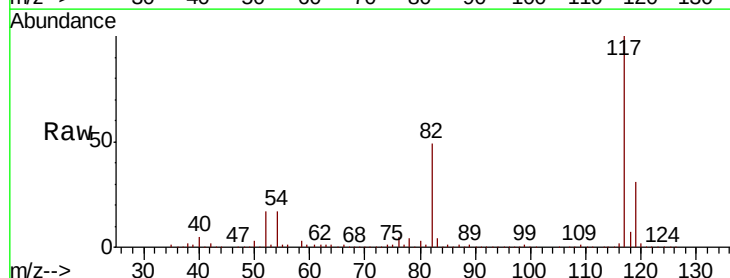
Tgt Ion: 117 Resp: 414878

Ion Ratio Lower Upper

117 100

82 49.1 47.8 71.6

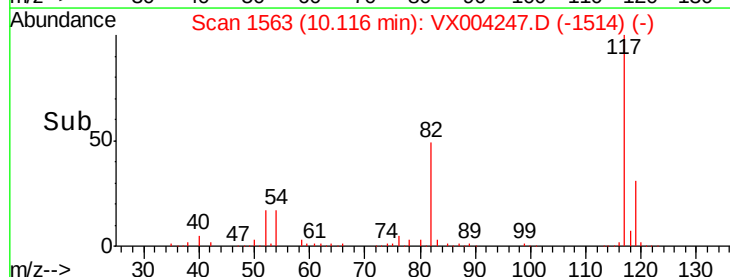
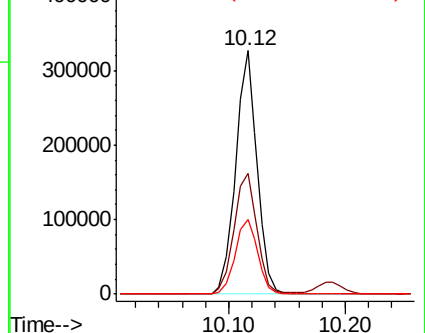
119 30.7 29.3 43.9

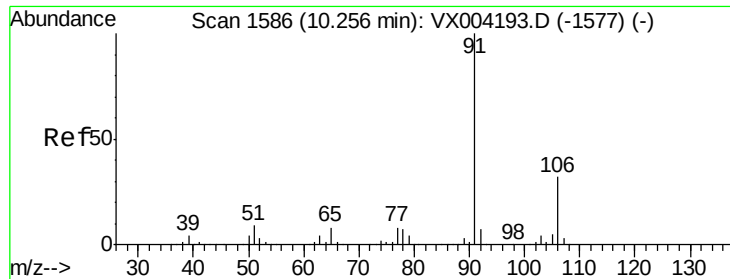


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

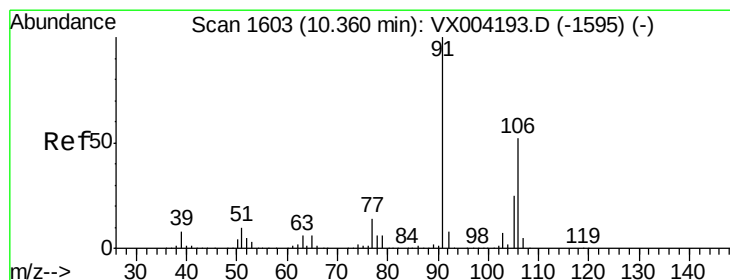
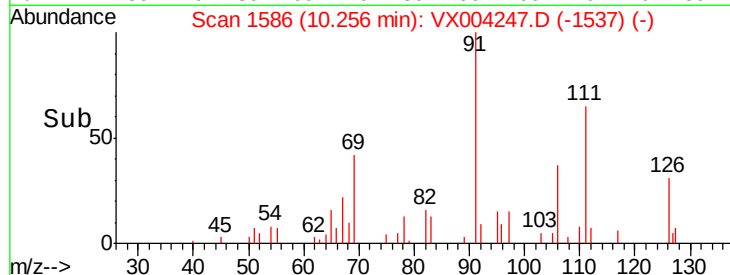
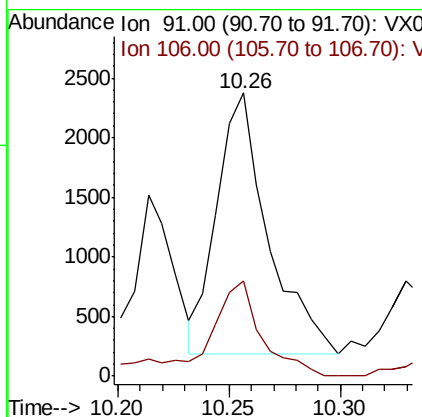
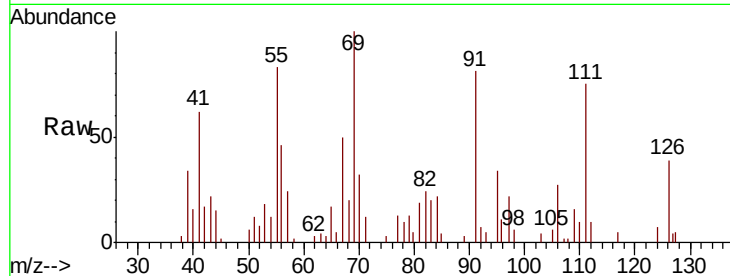




#67
Ethyl Benzene
Concen: 0.21 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX004247.D
Acq: 24 Aug 2018 15:22

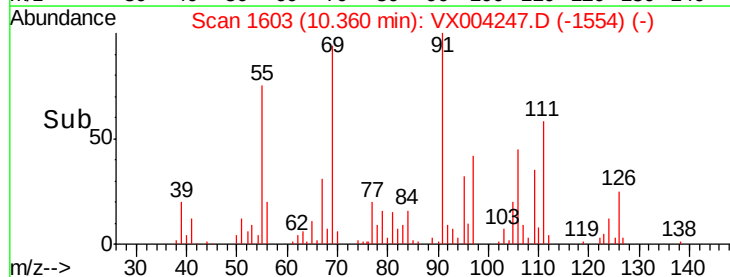
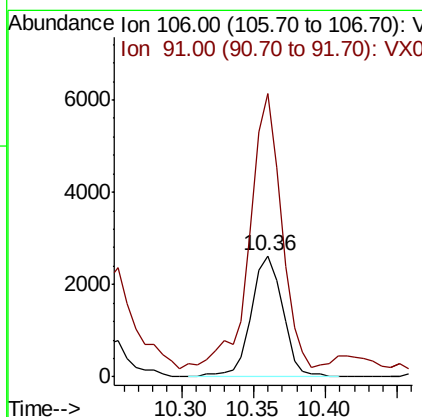
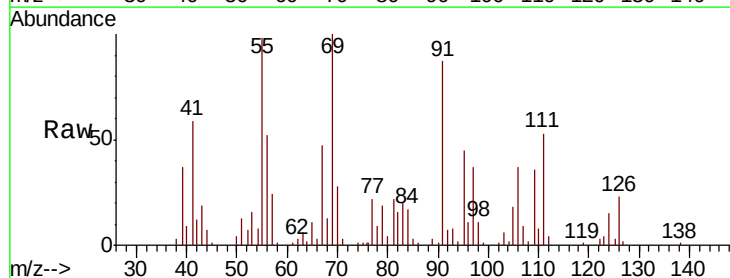
Instrument :
MSVOA_X
ClientSampled :
TMW-1

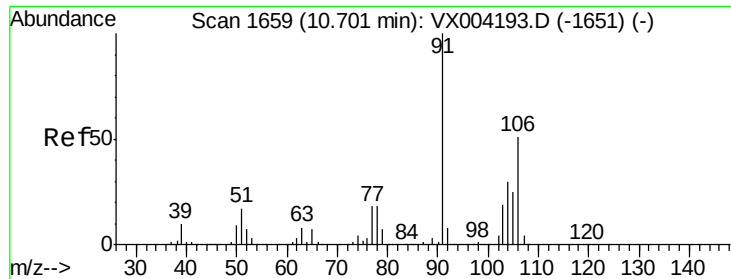
Tot Ion: 91.00 Resp: 3507
Ion Ratio Lower Upper
91 100
106 36.3 25.9 38.9



#68
m/p-Xylenes
Concen: 0.60 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX004247.D
Acq: 24 Aug 2018 15:22

Tgt Ion: 106 Resp: 3957
Ion Ratio Lower Upper
106 100
91 229.6 157.1 235.7

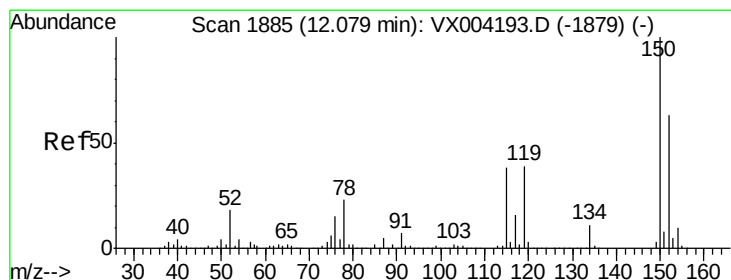
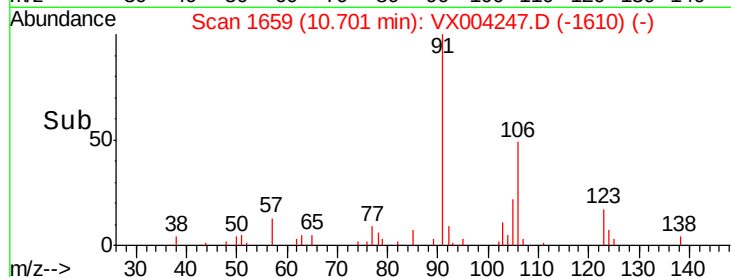
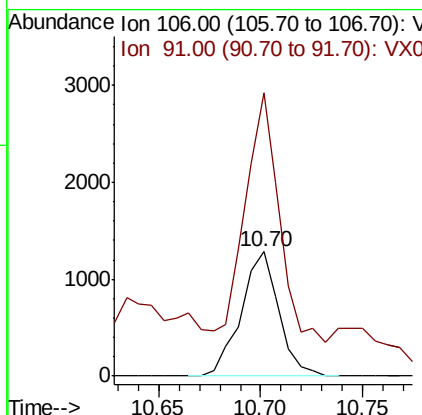
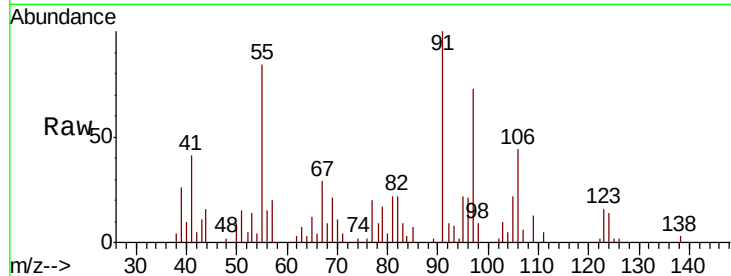




#69
o-Xylene
Concen: 0.26 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX004247.D
Acq: 24 Aug 2018 15:22

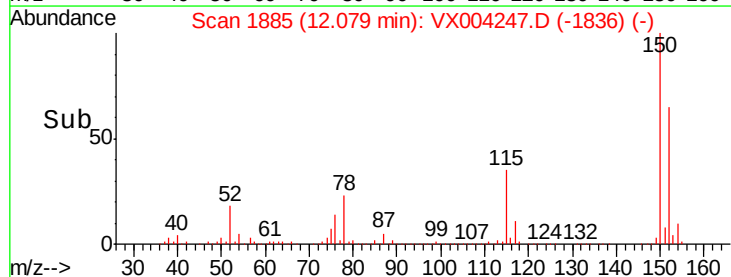
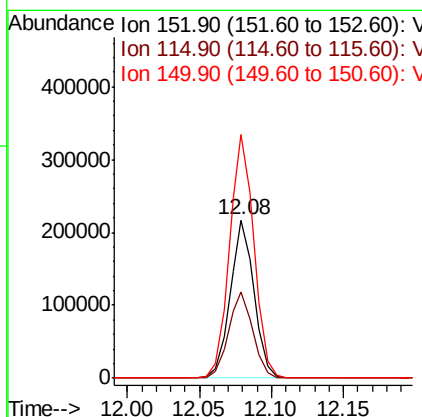
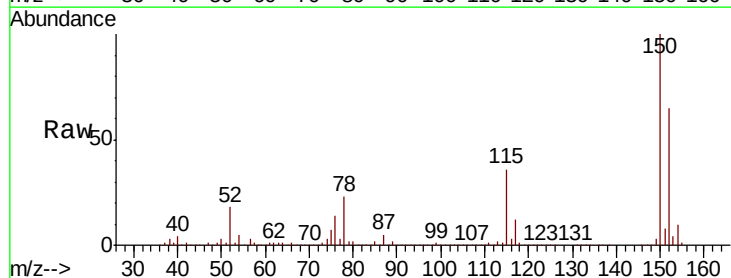
Instrument :
MSVOA_X
ClientSampled :
TMW-1

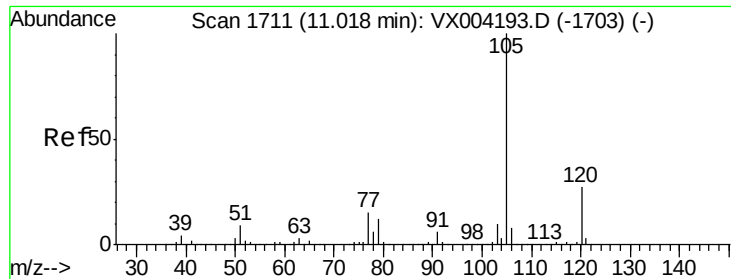
Tot Ion:106 Resp: 1651
Ion Ratio Lower Upper
106 100
91 205.3 105.1 315.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX004247.D
Acq: 24 Aug 2018 15:22

Tgt Ion:152 Resp: 250554
Ion Ratio Lower Upper
152 100
115 55.6 39.0 117.0
150 158.7 0.0 351.0





#73

Isopropylbenzene

Concen: 3.84 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX004247.D

Acq: 24 Aug 2018 15:22

Instrument :

MSVOA_X

ClientSampleId :

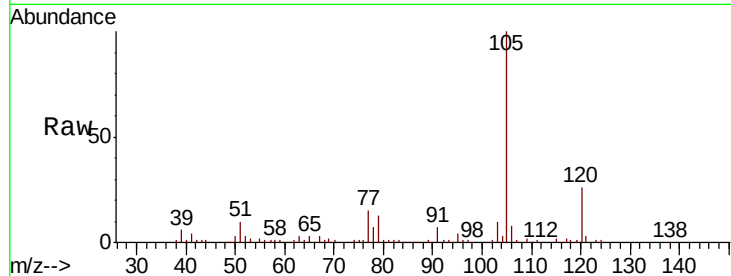
TMW-1

Tot Ion:105 Resp: 63142

Ion Ratio Lower Upper

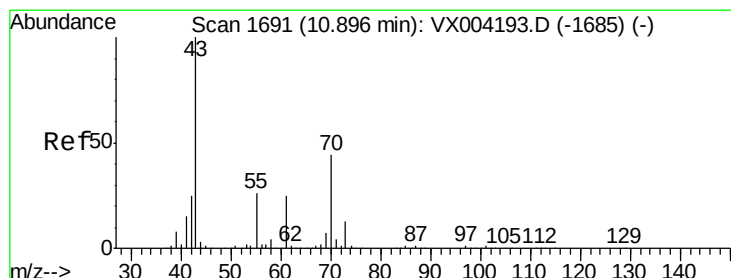
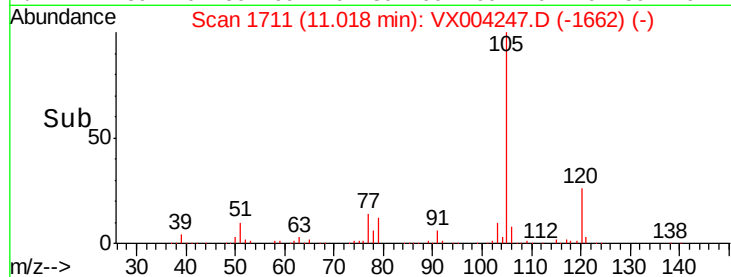
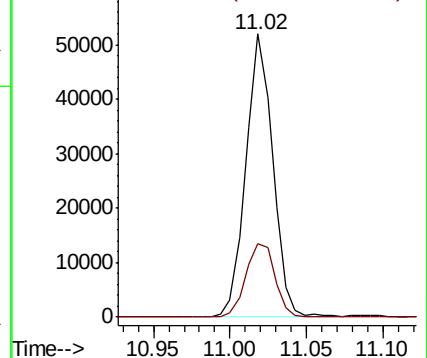
105 100

120 28.5 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.35 ug/l

RT: 10.91 min Scan# 1694

Delta R.T. 0.02 min

Lab File: VX004247.D

Acq: 24 Aug 2018 15:22

Tgt Ion: 43 Resp: 2249

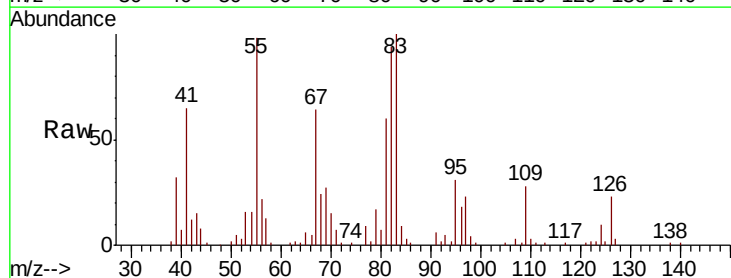
Ion Ratio Lower Upper

43 100

70 143.9 37.4 56.0#

55 774.8 21.8 32.8#

61 0.0 20.6 30.8#

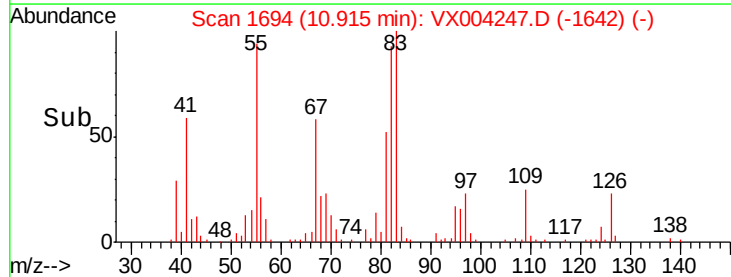
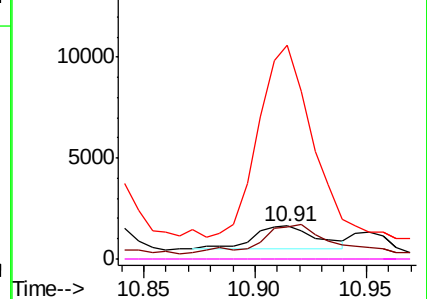


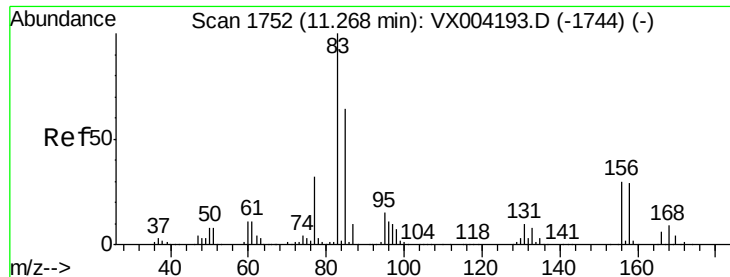
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 0.37 ug/l

RT: 11.28 min Scan# 1754

Delta R.T. 0.01 min

Lab File: VX004247.D

Acq: 24 Aug 2018 15:22

Instrument :

MSVOA_X

ClientSampled :

TMW-1

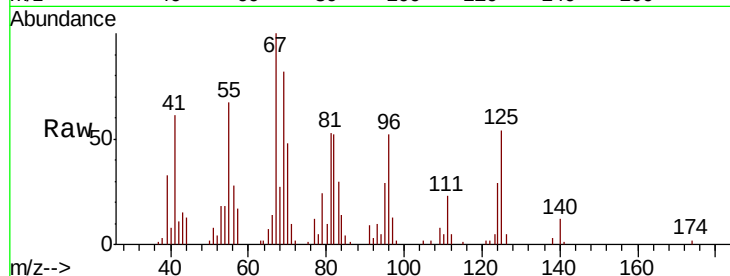
Tot Ion: 83 Resp: 2103

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

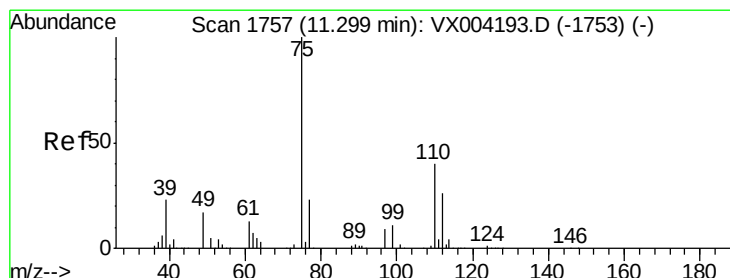
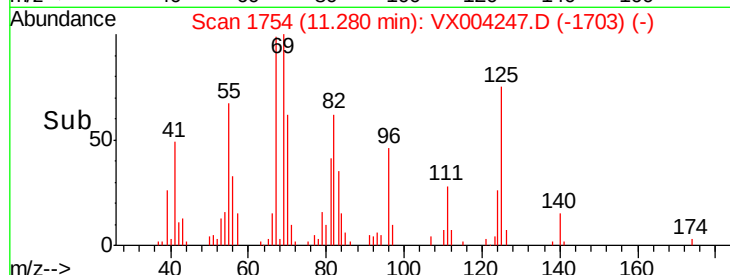
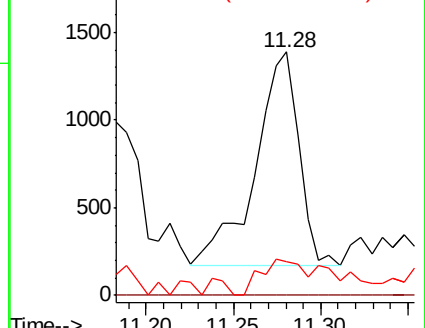
85 16.4 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 22.90 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX004247.D

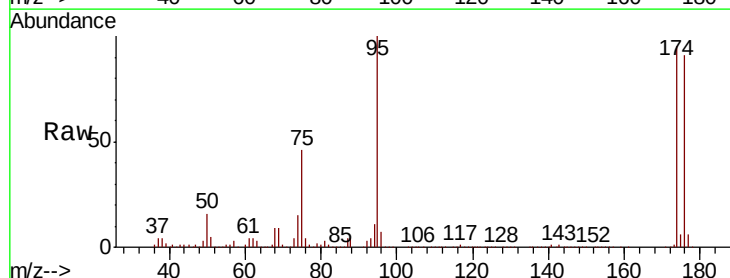
Acq: 24 Aug 2018 15:22

Tgt Ion: 75 Resp: 116687

Ion Ratio Lower Upper

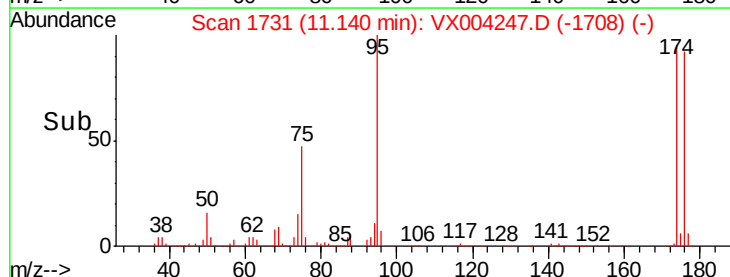
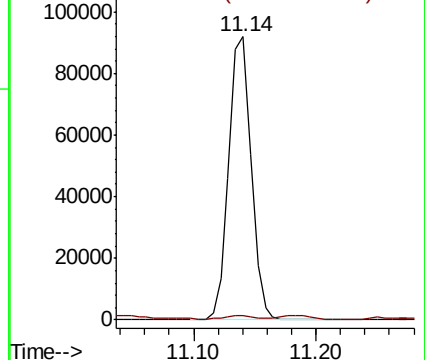
75 100

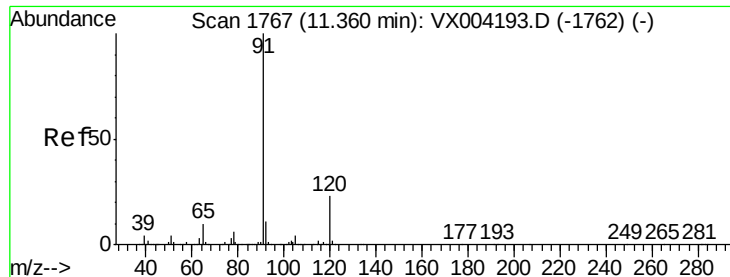
77 1.3 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 5.97 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX004247.D

Acq: 24 Aug 2018 15:22

Instrument :

MSVOA_X

ClientSampled :

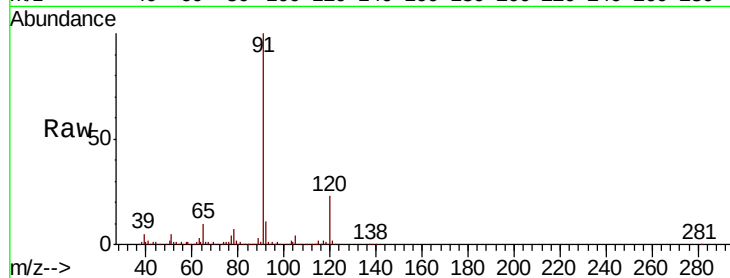
TMW-1

Tot Ion: 91 Resp: 113008

Ion Ratio Lower Upper

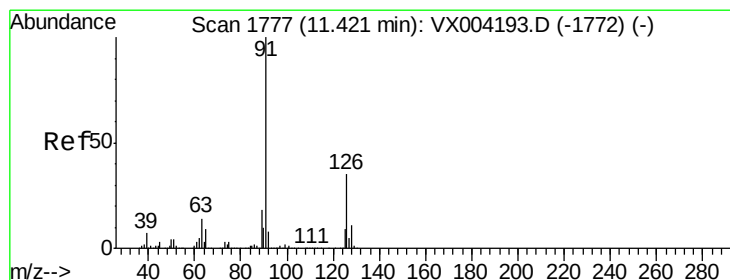
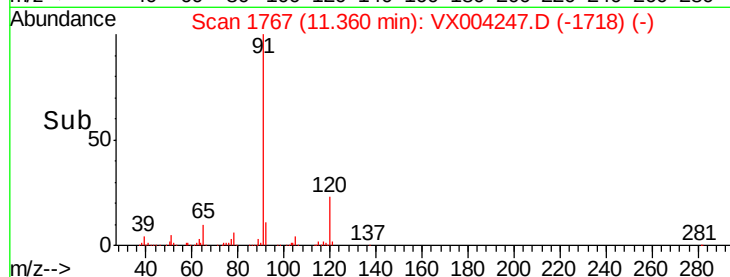
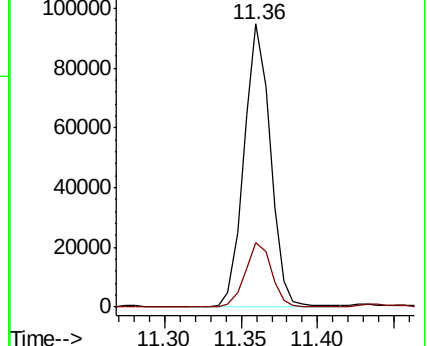
91 100

120 22.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 9.70 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.06 min

Lab File: VX004247.D

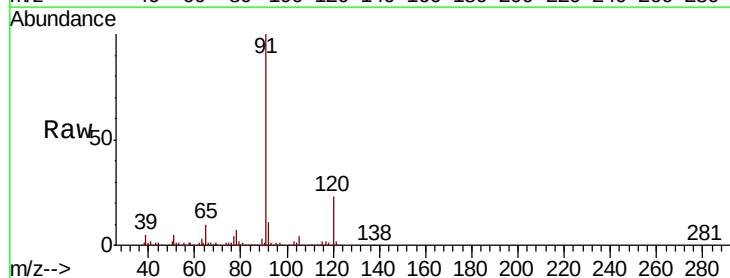
Acq: 24 Aug 2018 15:22

Tgt Ion: 91 Resp: 113008

Ion Ratio Lower Upper

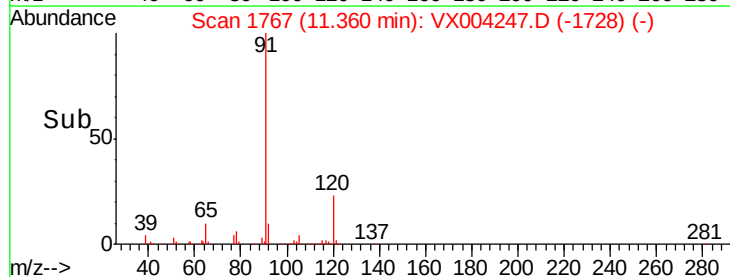
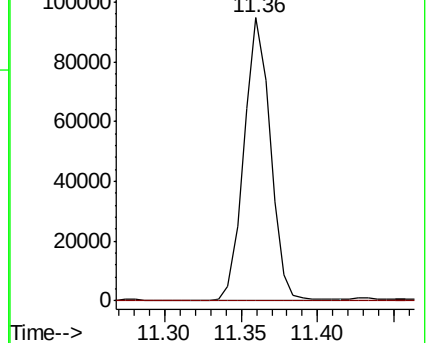
91 100

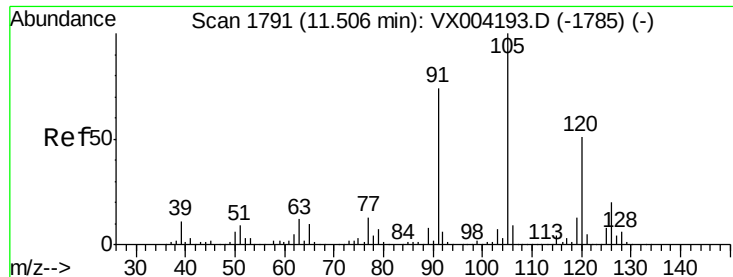
126 0.0 17.9 53.7#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 12.83 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX004247.D

Acq: 24 Aug 2018 15:22

Instrument :

MSVOA_X

ClientSampleId :

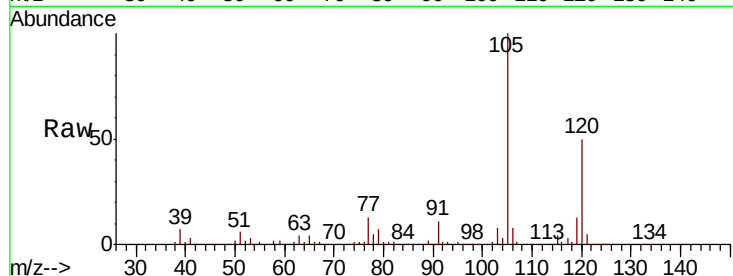
TMW-1

Tot Ion:105 Resp: 174787

Ion Ratio Lower Upper

105 100

120 50.4 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.51

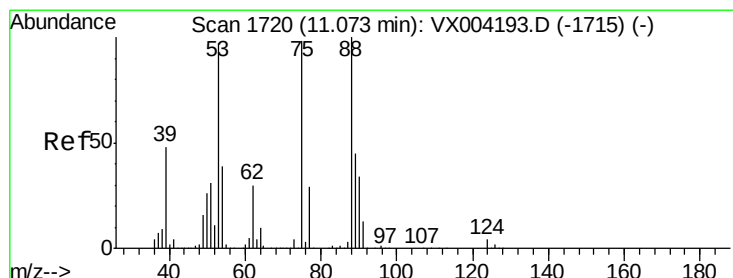
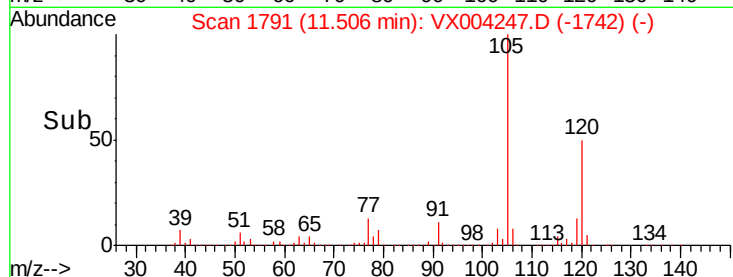
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 74.30 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.07 min

Lab File: VX004247.D

Acq: 24 Aug 2018 15:22

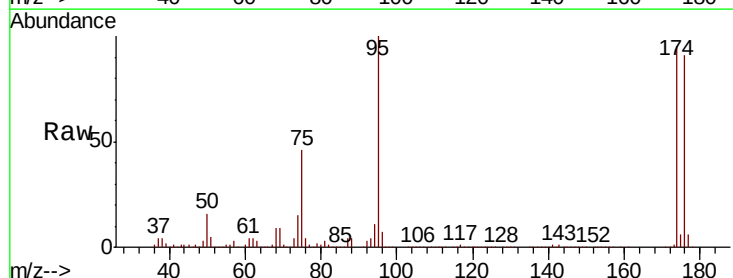
Tgt Ion: 75 Resp: 116687

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#



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

11.14

120000

100000

80000

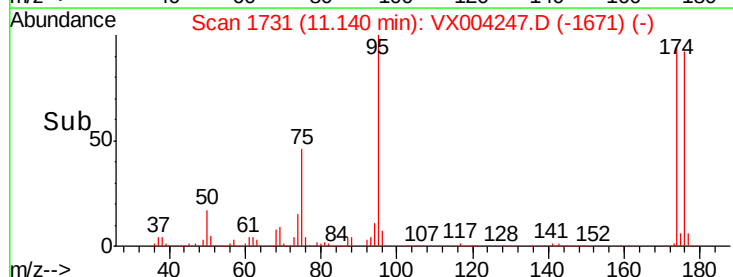
60000

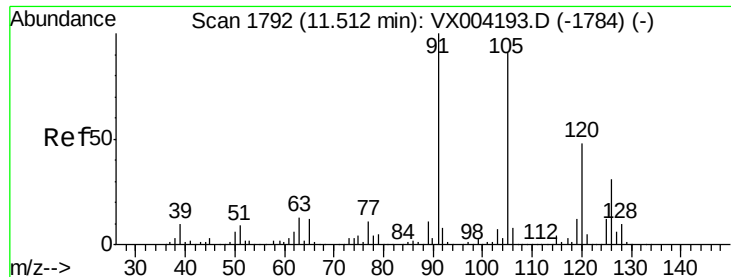
40000

20000

0

Time-->





#82

4-Chlorotoluene

Concen: 1.35 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX004247.D

Acq: 24 Aug 2018 15:22

Instrument :

MSVOA_X

ClientSampled :

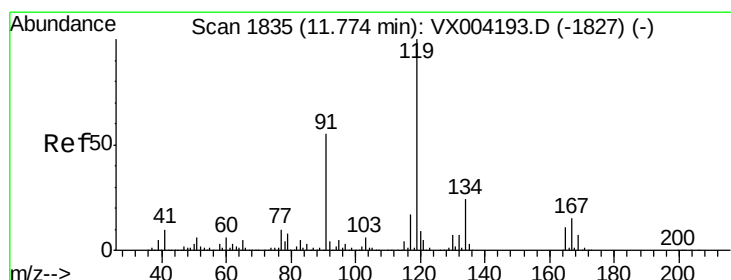
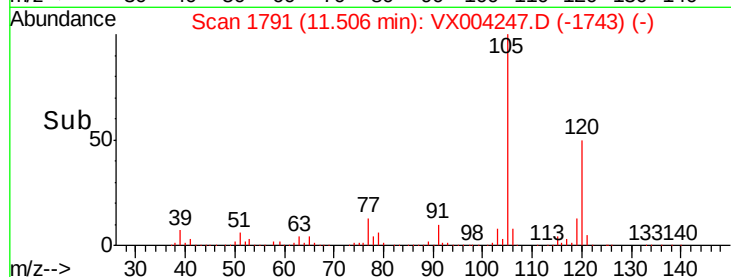
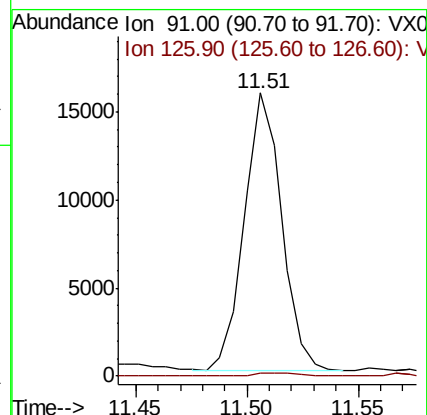
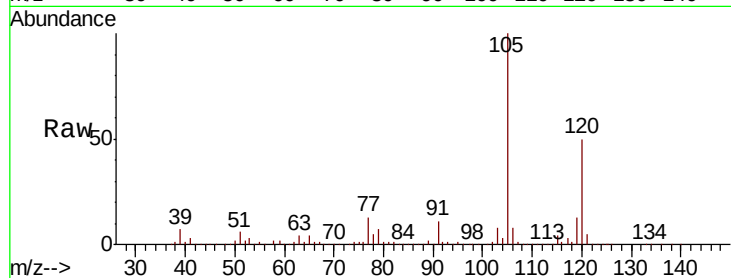
TMW-1

Tot Ion: 91 Resp: 18484

Ion Ratio Lower Upper

91 100

126 1.4 15.5 46.5#



#83

tert-Butylbenzene

Concen: 0.32 ug/l

RT: 11.77 min Scan# 1834

Delta R.T. -0.01 min

Lab File: VX004247.D

Acq: 24 Aug 2018 15:22

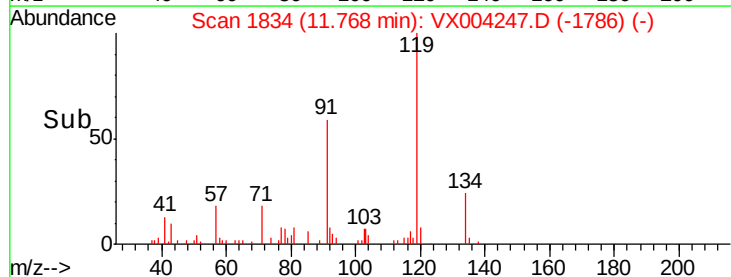
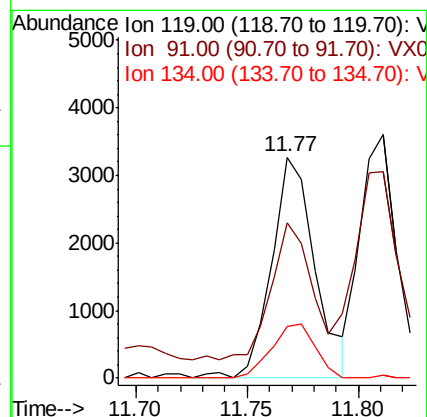
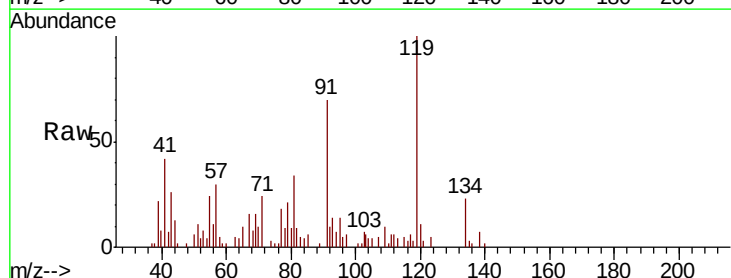
Tgt Ion: 119 Resp: 4438

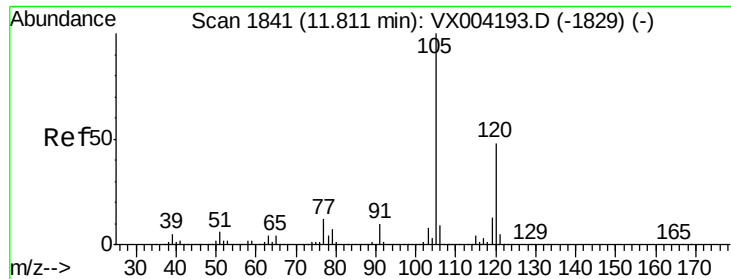
Ion Ratio Lower Upper

119 100

91 58.2 27.0 81.0

134 24.5 11.7 35.1

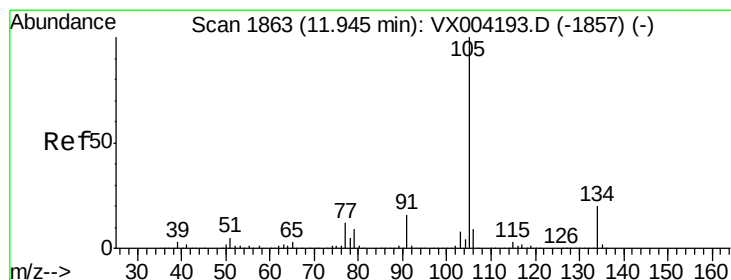
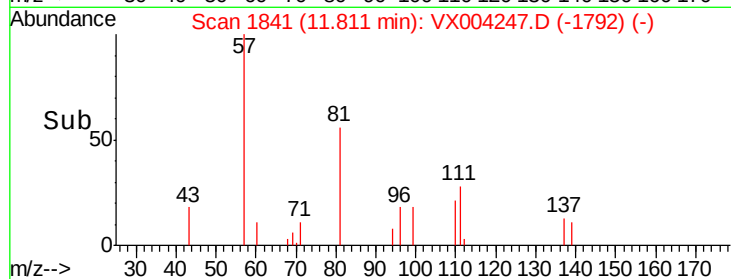
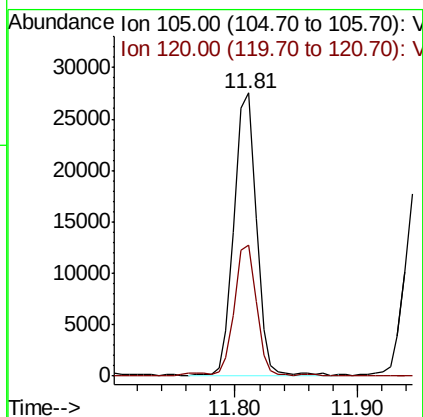
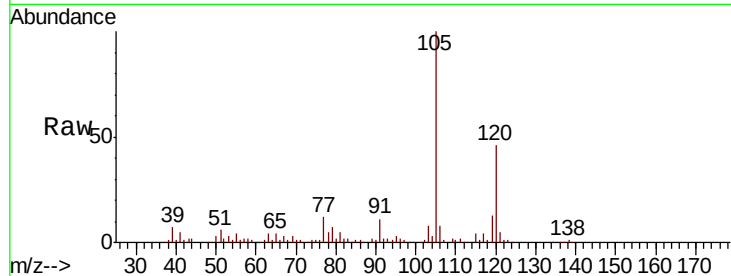




#84
 1,2,4-Trimethylbenzene
 Concen: 2.47 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX004247.D
 Acq: 24 Aug 2018 15:22

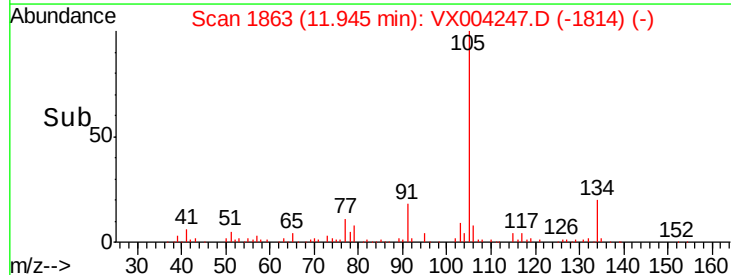
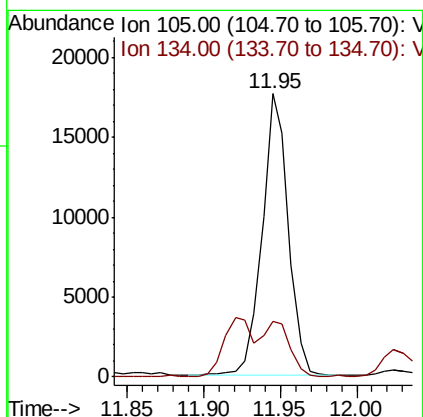
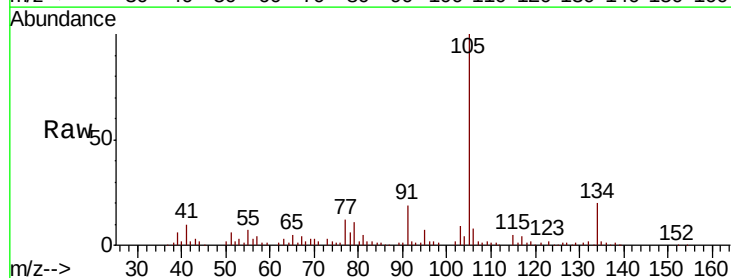
Instrument :
 MSVOA_X
 ClientSampleId :
 TMW-1

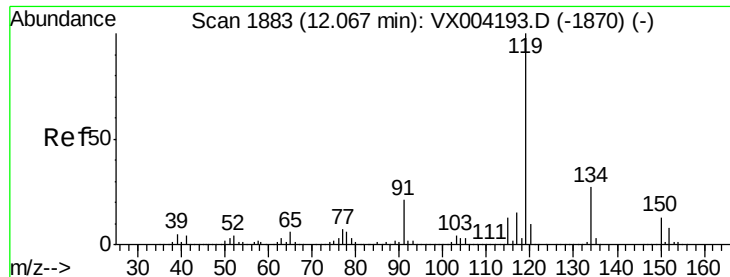
Tot Ion:105 Resp: 34515
 Ion Ratio Lower Upper
 105 100
 120 45.0 23.2 69.6



#85
 sec-Butylbenzene
 Concen: 1.28 ug/l
 RT: 11.95 min Scan# 1863
 Delta R.T. 0.00 min
 Lab File: VX004247.D
 Acq: 24 Aug 2018 15:22

Tgt Ion:105 Resp: 20862
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.5 31.5#

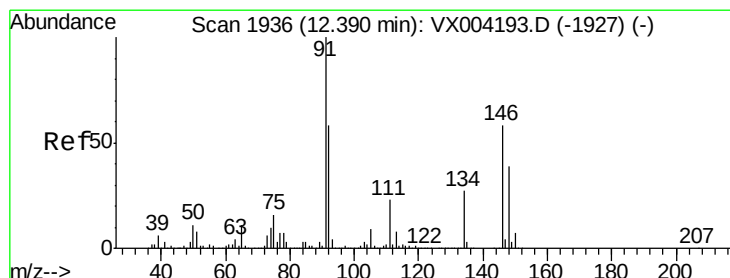
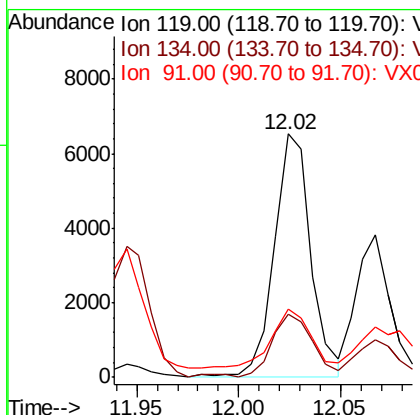
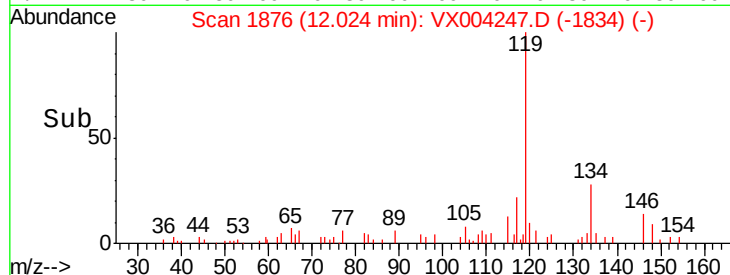
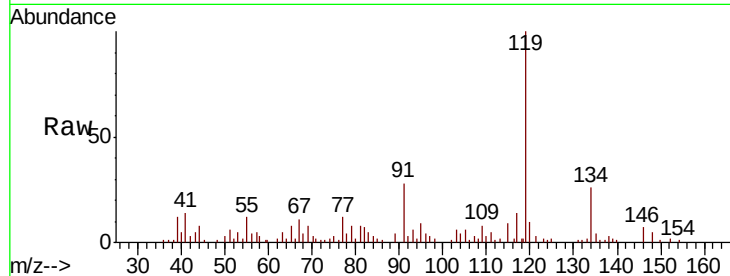




#86
 p-Isopropyltoluene
 Concen: 0.56 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.04 min
 Lab File: VX004247.D
 Acq: 24 Aug 2018 15:22

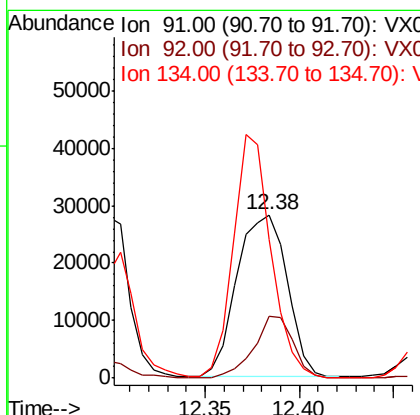
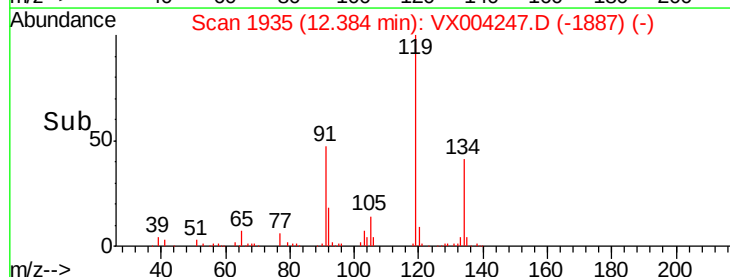
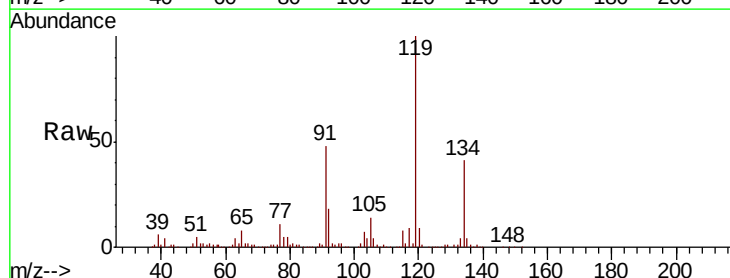
Instrument :
 MSVOA_X
 ClientSampled :
 TMW-1

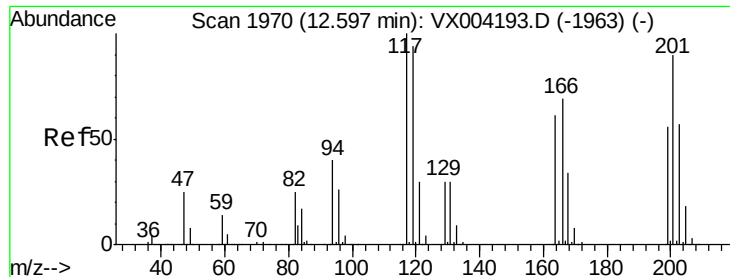
Tot Ion:119 Resp: 8189
 Ion Ratio Lower Upper
 119 100
 134 28.9 13.4 40.2
 91 26.6 10.9 32.7



#89
 n-Butylbenzene
 Concen: 4.37 ug/l
 RT: 12.38 min Scan# 1935
 Delta R.T. -0.01 min
 Lab File: VX004247.D
 Acq: 24 Aug 2018 15:22

Tgt Ion: 91 Resp: 51853
 Ion Ratio Lower Upper
 91 100
 92 30.0 27.3 81.9
 134 113.6 13.6 40.7#





#90

Hexachloroethane

Concen: 8.08 ug/l

RT: 12.67 min Scan# 1982

Delta R.T. 0.07 min

Lab File: VX004247.D

Acq: 24 Aug 2018 15:22

Instrument :

MSVOA_X

ClientSampleId :

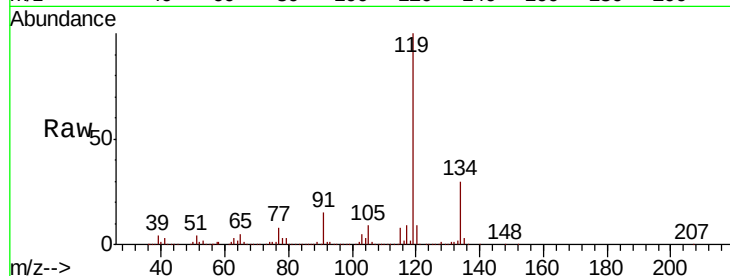
TMW-1

Tot Ion:117 Resp: 16476

Ion Ratio Lower Upper

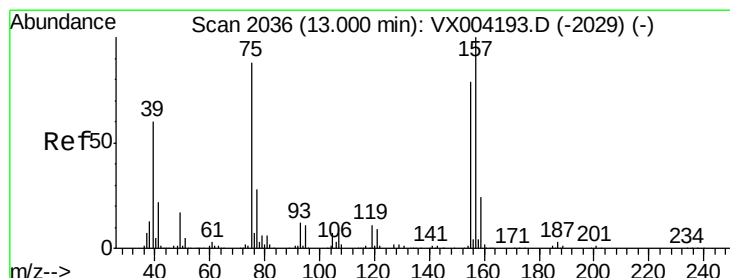
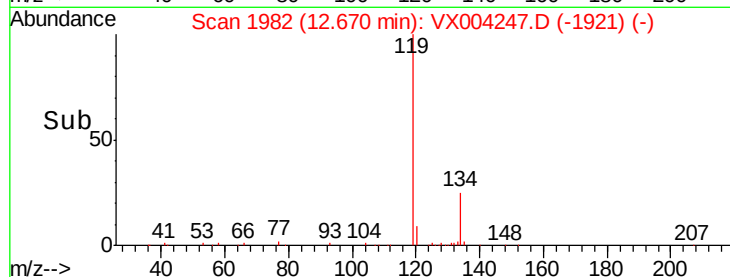
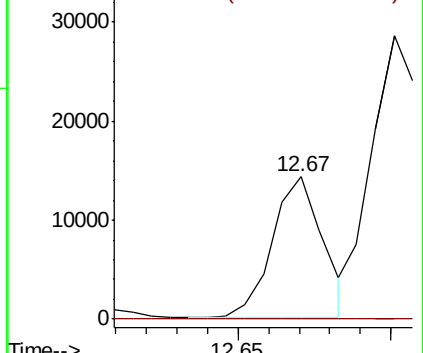
117 100

201 0.0 46.9 140.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.63 ug/l

RT: 13.02 min Scan# 2039

Delta R.T. 0.02 min

Lab File: VX004247.D

Acq: 24 Aug 2018 15:22

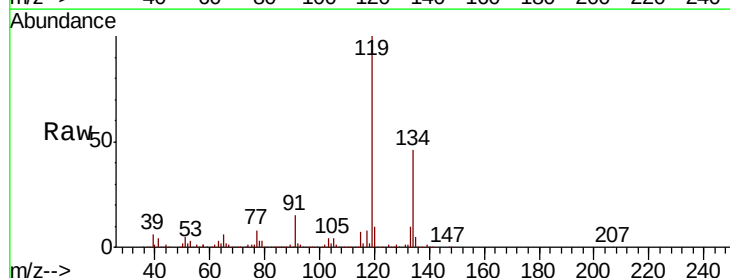
Tgt Ion: 75 Resp: 638

Ion Ratio Lower Upper

75 100

155 0.0 48.0 144.2#

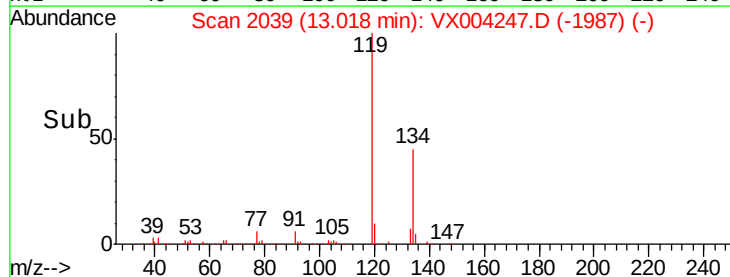
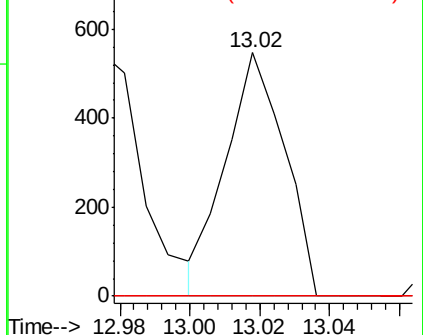
157 0.0 61.4 184.1#

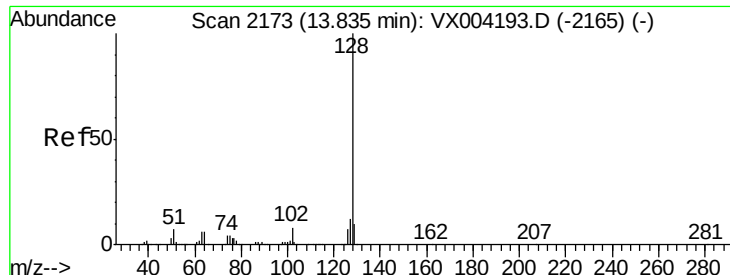


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95
Naphthalene
Concen: 0.28 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX004247.D
Acq: 24 Aug 2018 15:22

Instrument :
MSVOA_X
ClientSampleId :
TMW-1

Tot Ion	Ratio	Lower	Upper
128	100		
127	21.0	10.2	15.2#
129	0.0	8.6	12.8#

