

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100918\
 Data File : VX005192.D
 Acq On : 10 Oct 2018 06:59
 Operator : JC/MD
 Sample : J5303-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW514-2024

Quant Time: Oct 10 08:34:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

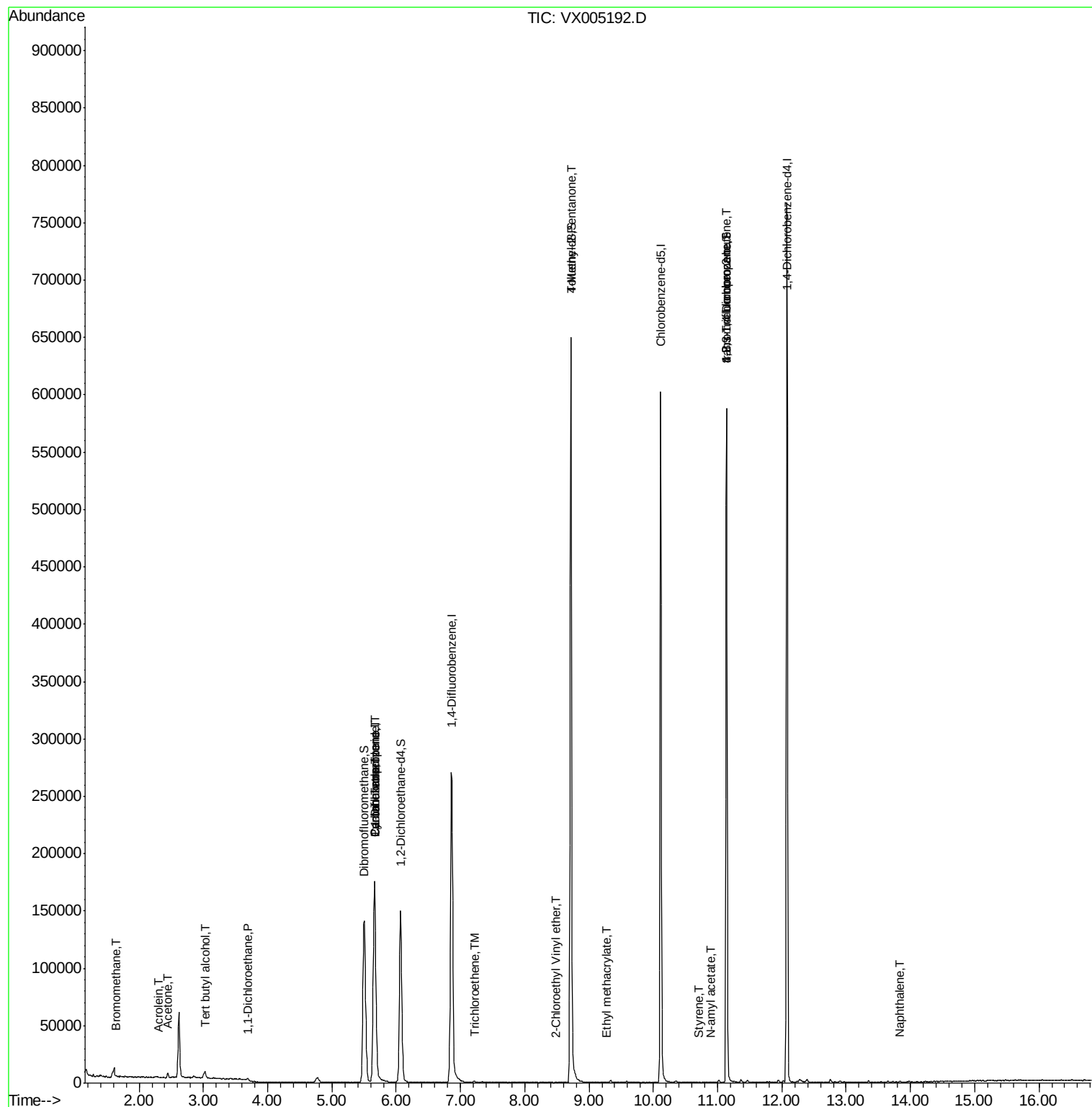
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	182974	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	283332	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	282909	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	154432	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	143242	54.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.60%	
35) Dibromofluoromethane	5.49	113	128855	53.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.32%	
50) Toluene-d8	8.72	98	413227	51.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.52%	
62) 4-Bromofluorobenzene	11.14	95	147595	51.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.64%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.65	94	463	0.275	ug/l	86
6) Chloroethane	1.75	64	3491	Below Cal	#	66
11) Tert butyl alcohol	3.03	59	4034	5.520	ug/l #	79
13) Acrolein	2.29	56	198	0.381	ug/l	96
16) Acetone	2.45	43	3727	2.442	ug/l #	83
20) Methylene Chloride	2.86	84	635	Below Cal	#	77
24) 1,1-Dichloroethane	3.70	63	1430	0.329	ug/l #	84
31) Cyclohexane	5.67	56	3530	1.061	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	12662	3.865	ug/l #	46
38) Carbon Tetrachloride	5.66	117	16275	4.726	ug/l #	18
44) Trichloroethene	7.22	130	513	0.203	ug/l	91
51) 4-Methyl-2-Pentanone	8.72	43	1980	0.501	ug/l #	1
56) Ethyl methacrylate	9.27	69	19	2.867	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.48	63	22	14.252	ug/l #	49
70) Styrene	10.71	104	49	2.147	ug/l #	25
74) N-amyl acetate	10.90	43	76	1.762	ug/l #	43
76) 1,2,3-Trichloropropane	11.14	75	73502	21.235	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.51	105	173	Below Cal		99
81) trans-1,4-Dichloro-2-buten	11.14	75	73502	57.601	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	268	Below Cal		95
95) Naphthalene	13.83	128	396	0.750	ug/l #	76

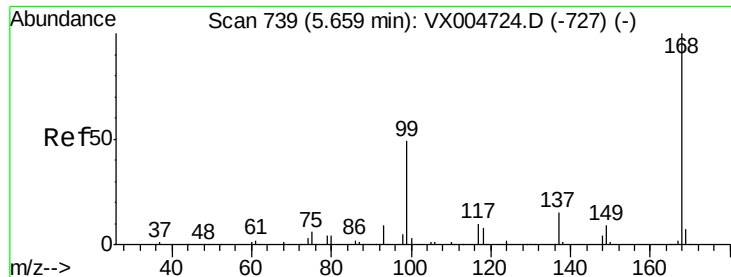
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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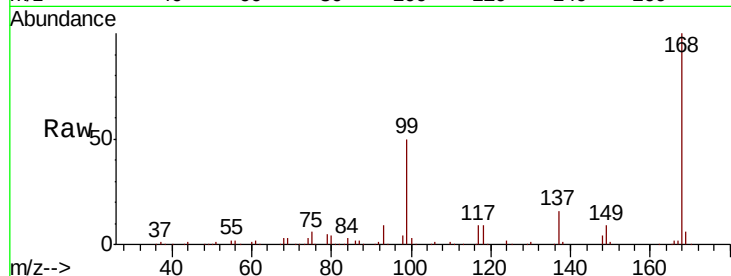




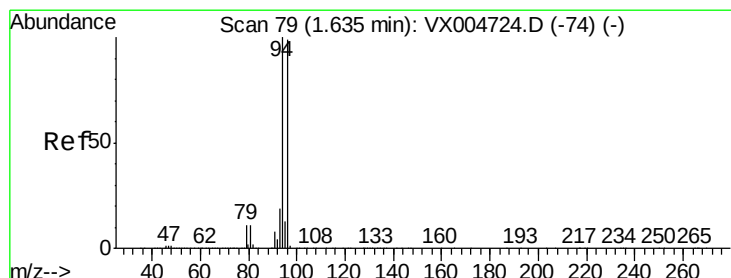
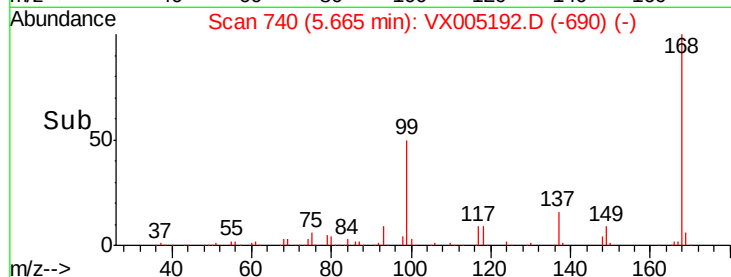
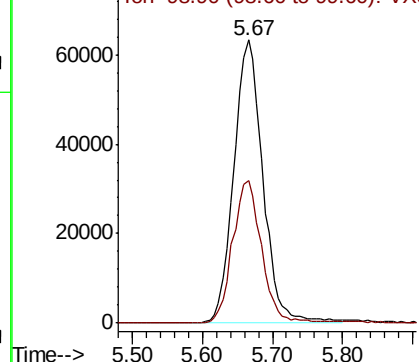
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX005192.D
Acq: 10 Oct 2018 06:59

Instrument :
MSVOA_X
ClientSampleId :
SA-TW514-2024

Tot Ion:168 Resp: 182974
Ion Ratio Lower Upper
168 100
99 50.5 39.3 58.9

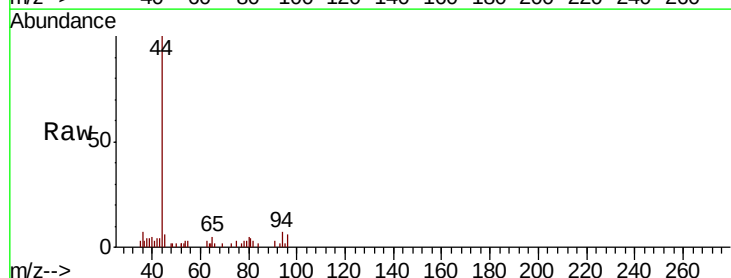


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VX0

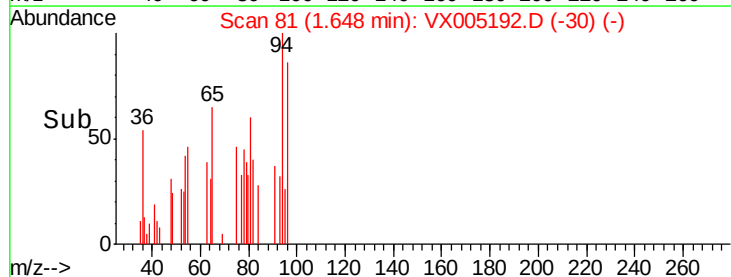
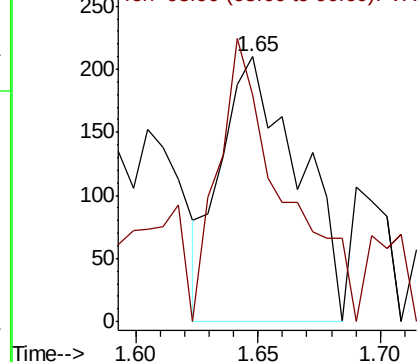


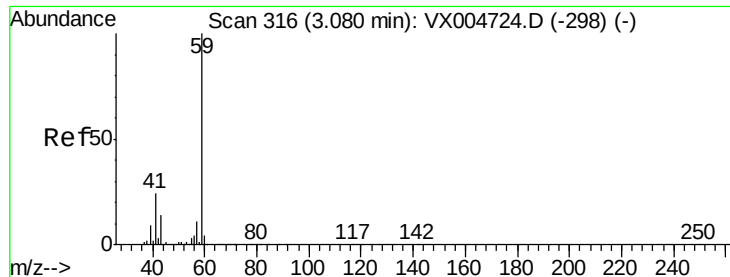
#5
Bromomethane
Concen: 0.275 ug/l
RT: 1.65 min Scan# 81
Delta R.T. 0.01 min
Lab File: VX005192.D
Acq: 10 Oct 2018 06:59

Tgt Ion: 94 Resp: 463
Ion Ratio Lower Upper
94 100
96 85.7 79.5 119.3



Abundance Ion 93.90 (93.60 to 94.60): VX0
Ion 95.90 (95.60 to 96.60): VX0



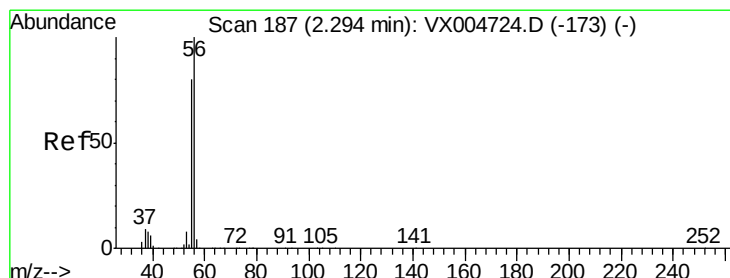
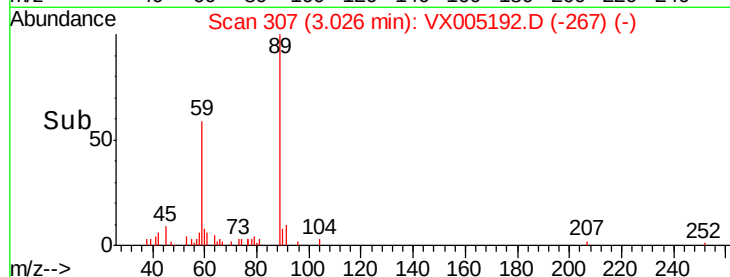
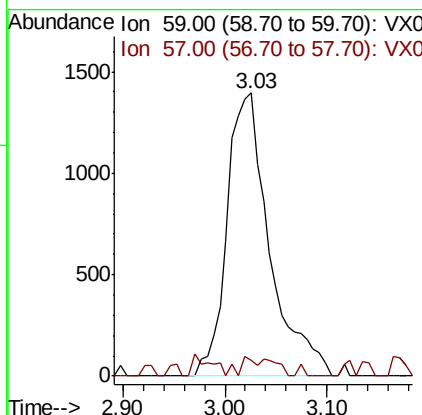
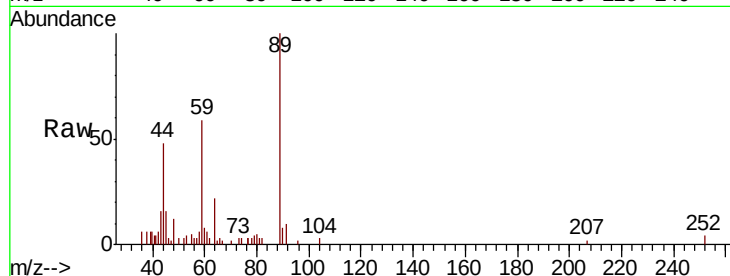


#11

Tert butyl alcohol
 Concen: 5.520 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.05 min
 Lab File: VX005192.D
 Acq: 10 Oct 2018 06:59

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW514-2024

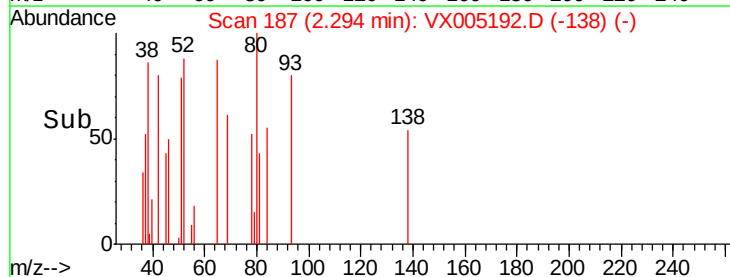
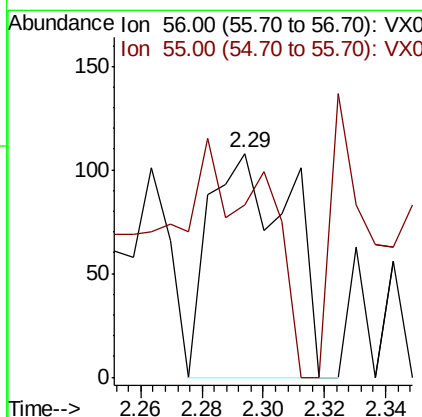
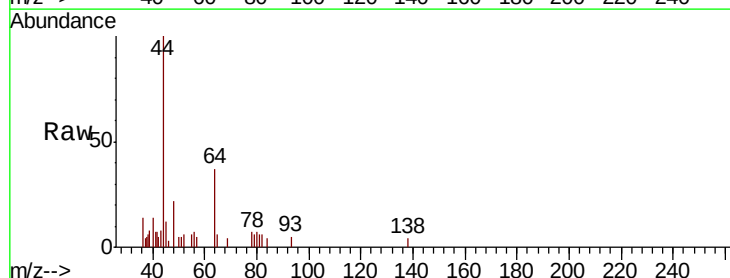
Tot Ion: 59 Resp: 4034
 Ion Ratio Lower Upper
 59 100
 57 2.6 8.6 12.8#

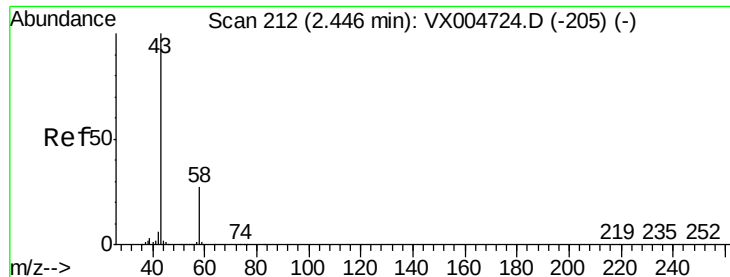


#13

Acrolein
 Concen: 0.381 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VX005192.D
 Acq: 10 Oct 2018 06:59

Tgt Ion: 56 Resp: 198
 Ion Ratio Lower Upper
 56 100
 55 82.8 63.4 95.2





#16

Acetone

Concen: 2.442 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005192.D

Acq: 10 Oct 2018 06:59

Instrument :

MSVOA_X

ClientSampleId :

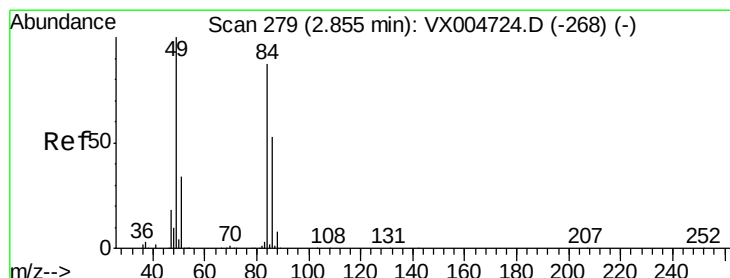
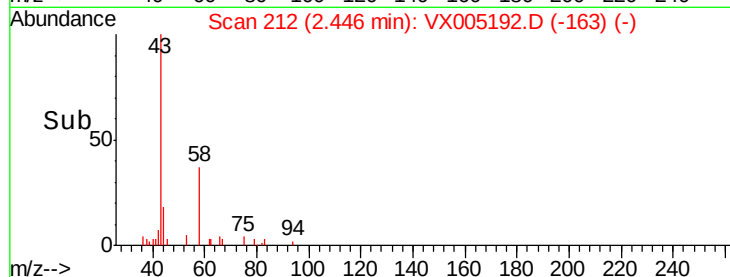
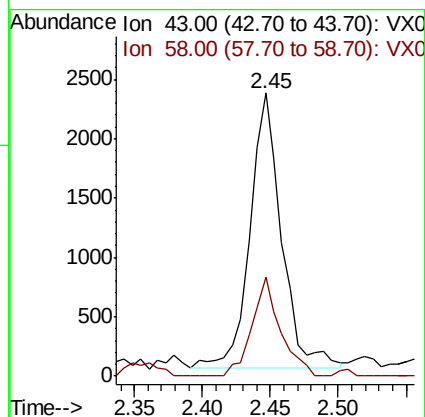
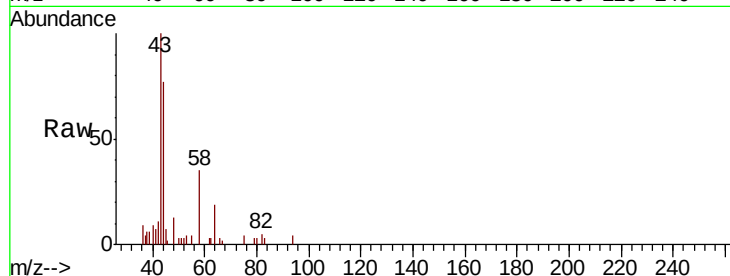
SA-TW514-2024

Tot Ion: 43 Resp: 3727

Ion Ratio Lower Upper

43 100

58 36.0 21.8 32.6#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX005192.D

Acq: 10 Oct 2018 06:59

Tgt Ion: 84 Resp: 635

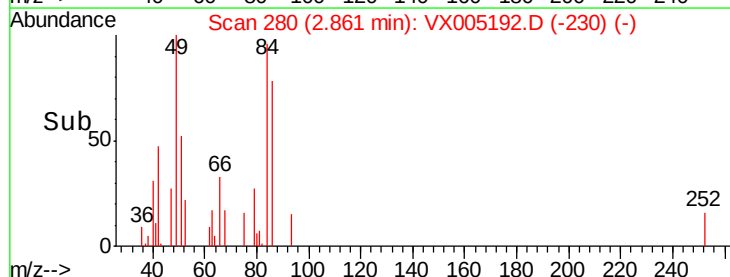
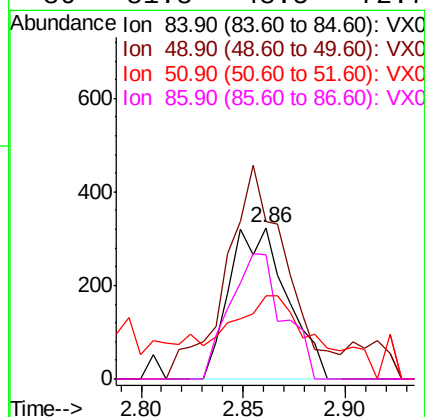
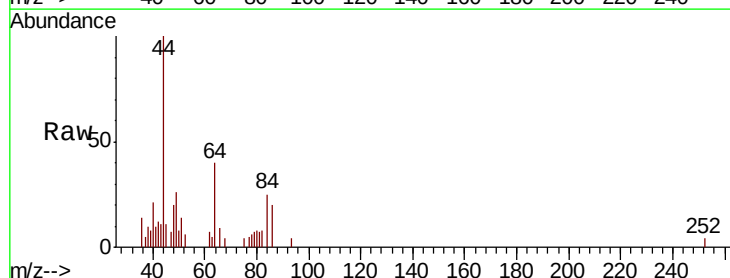
Ion Ratio Lower Upper

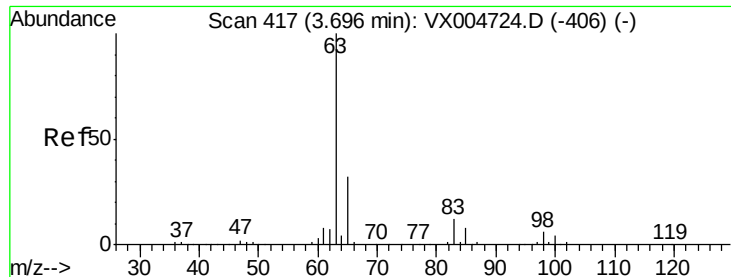
84 100

49 88.0 92.3 138.5#

51 35.8 31.8 47.6

86 81.8 48.5 72.7#

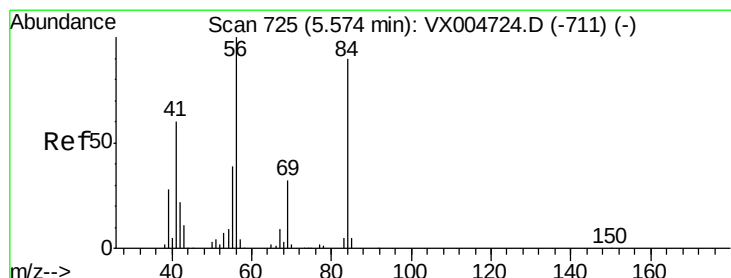
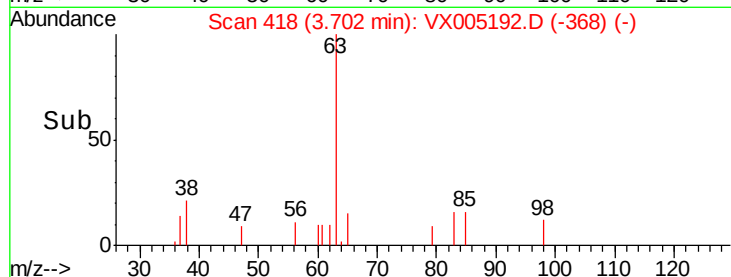
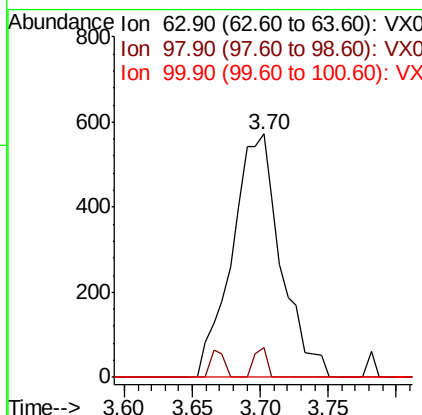
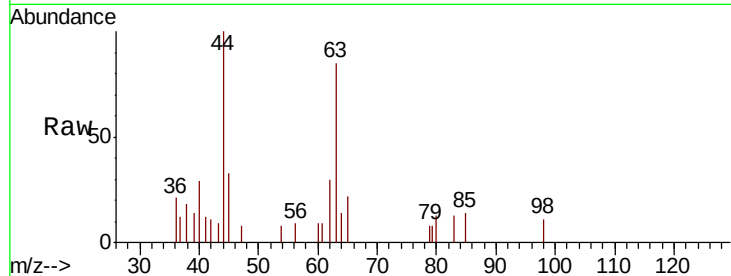




#24
 1,1-Dichloroethane
 Concen: 0.329 ug/l
 RT: 3.70 min Scan# 418
 Delta R.T. 0.01 min
 Lab File: VX005192.D
 Acq: 10 Oct 2018 06:59

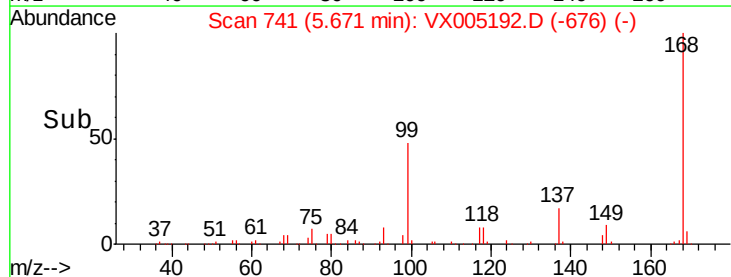
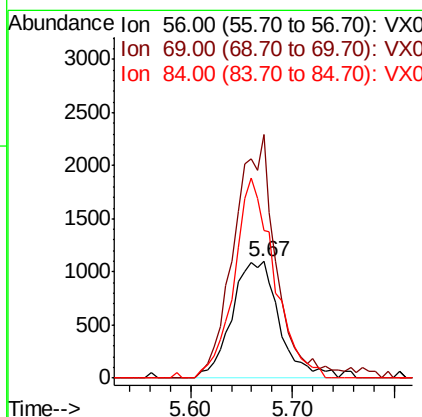
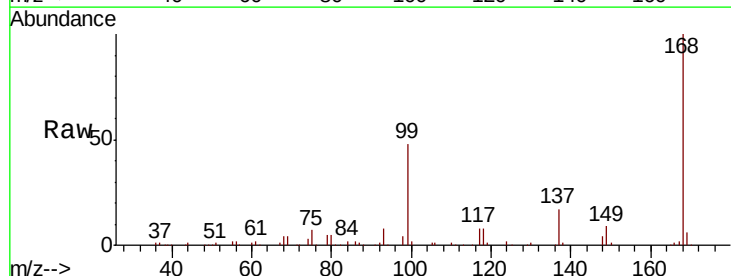
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW514-2024

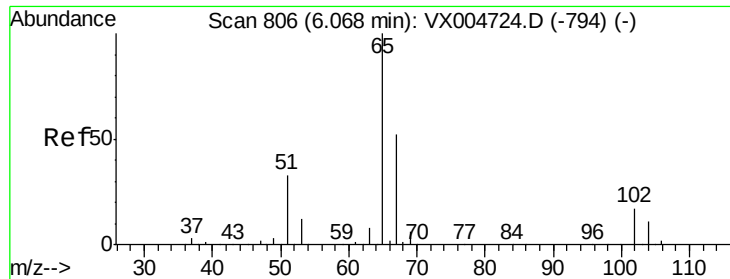
Tot Ion:	63	Resp:	1430
Ion	Ratio	Lower	Upper
63	100		
98	12.4	3.0	9.2#
100	0.0	2.0	5.8#



#31
 Cyclohexane
 Concen: 1.061 ug/l
 RT: 5.67 min Scan# 741
 Delta R.T. 0.10 min
 Lab File: VX005192.D
 Acq: 10 Oct 2018 06:59

Tgt Ion:	56	Resp:	3530
Ion	Ratio	Lower	Upper
56	100		
69	209.0	25.9	38.9#
84	127.1	71.9	107.9#

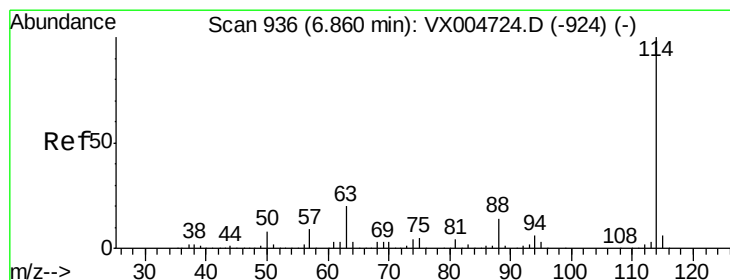
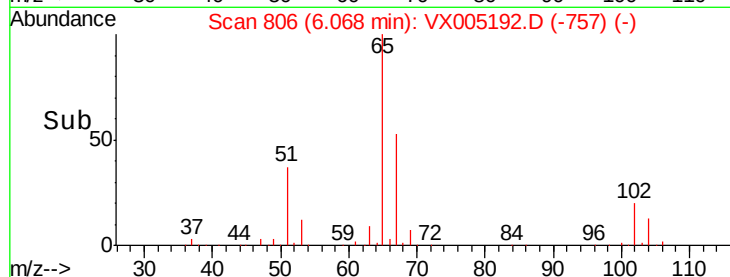
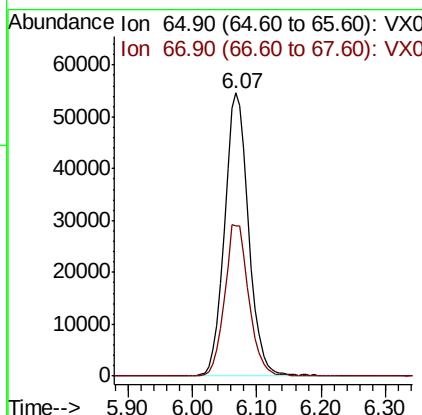
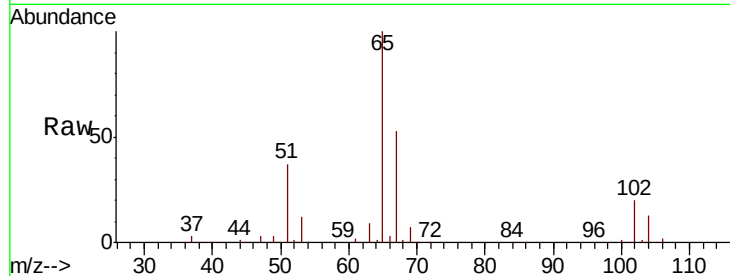




#33
 1,2-Dichloroethane-d4
 Concen: 54.802 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX005192.D
 Acq: 10 Oct 2018 06:59

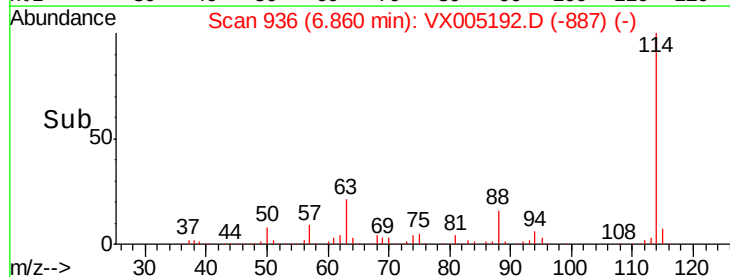
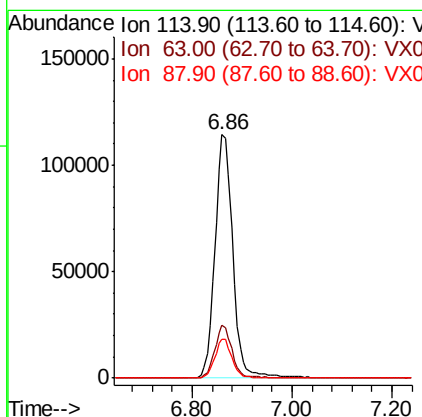
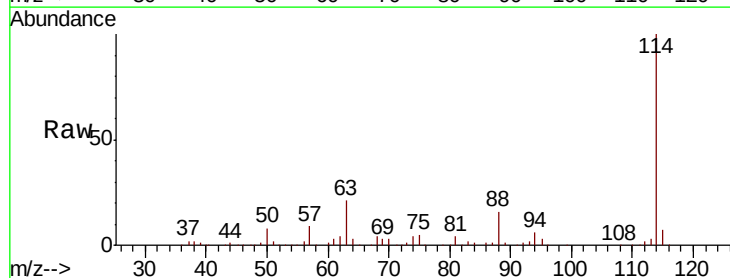
Instrument :
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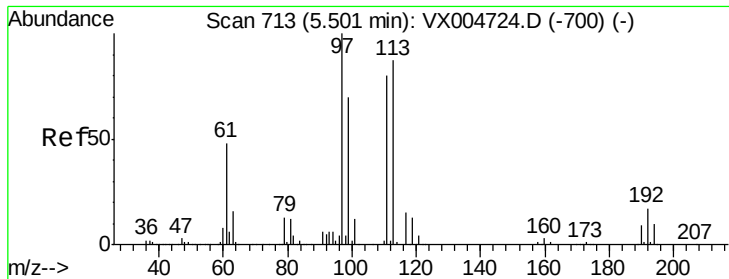
Tot Ion: 65 Resp: 143242
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX005192.D
 Acq: 10 Oct 2018 06:59

Tgt Ion: 114 Resp: 283332
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 39.8
 88 15.9 0.0 27.0

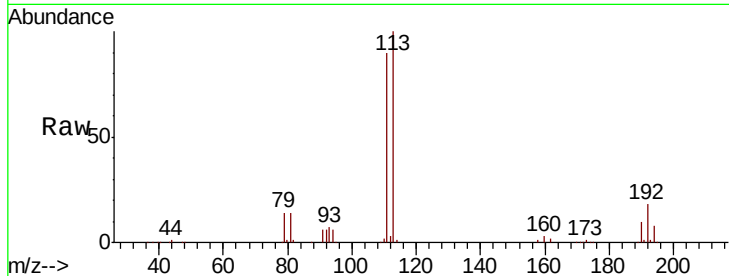




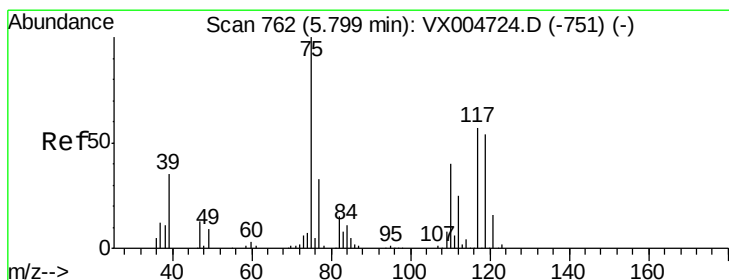
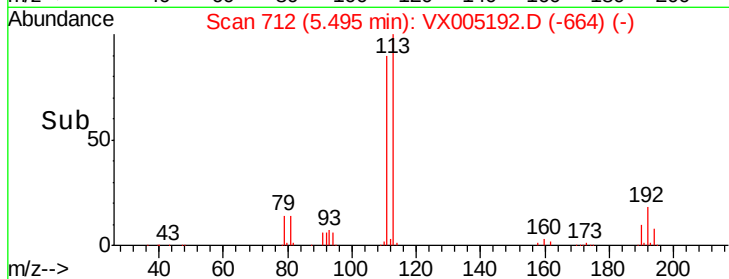
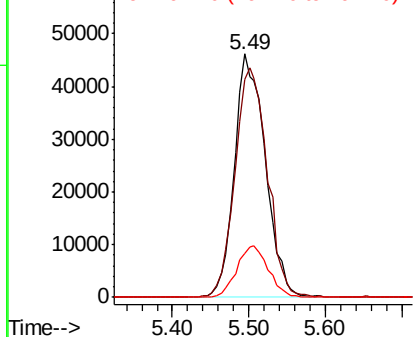
#35
 Dibromofluoromethane
 Concen: 53.661 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX005192.D
 Acq: 10 Oct 2018 06:59

Instrument :
 MSVOA_X
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 SA-TW514-2024

Tot Ion:113 Resp: 128855
 Ion Ratio Lower Upper
 113 100
 111 98.8 77.0 115.4
 192 21.7 17.0 25.6

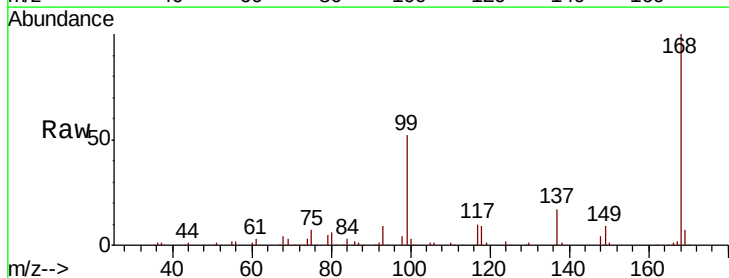


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

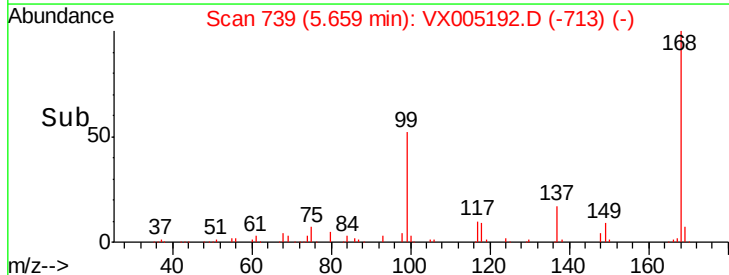
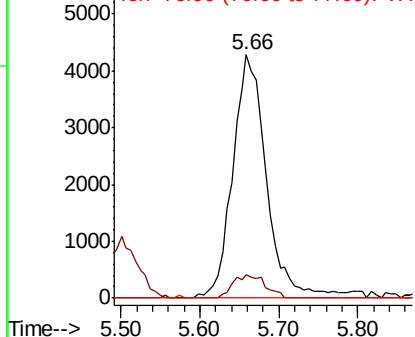


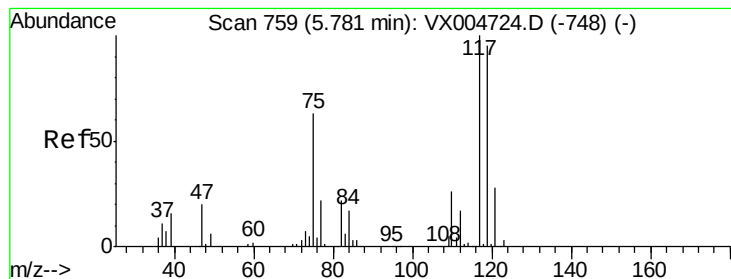
#36
 1,1-Dichloropropene
 Concen: 3.865 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX005192.D
 Acq: 10 Oct 2018 06:59

Tgt Ion: 75 Resp: 12662
 Ion Ratio Lower Upper
 75 100
 110 9.2 20.0 59.9#
 77 0.0 27.1 40.7#



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: 4.726 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX005192.D

Acq: 10 Oct 2018 06:59

Instrument :

MSVOA_X

ClientSampleId :

SA-TW514-2024

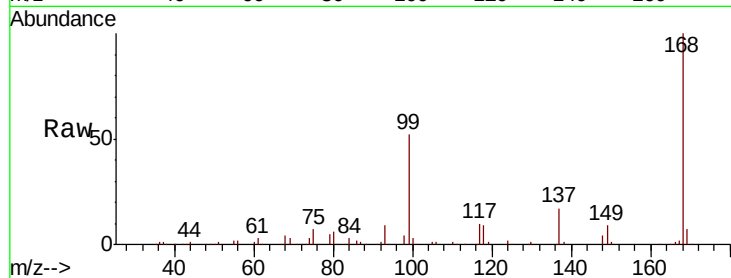
Tot Ion:117 Resp: 16275

Ion Ratio Lower Upper

117 100

119 6.8 75.2 112.8#

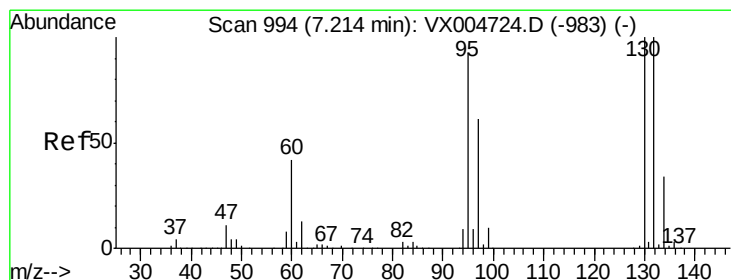
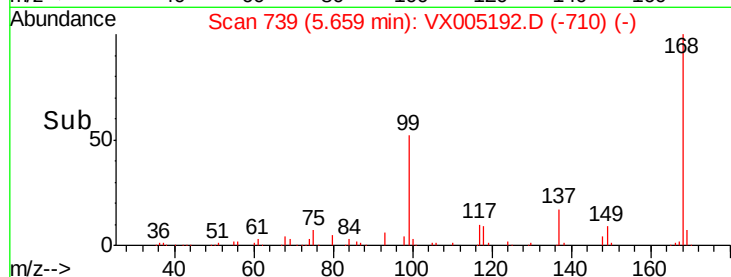
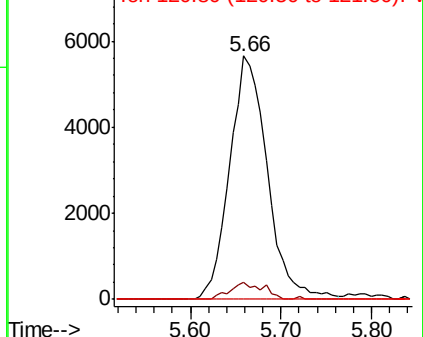
121 0.0 22.5 33.7#



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: 0.203 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX005192.D

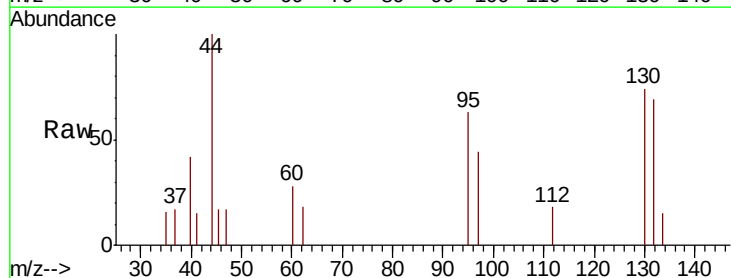
Acq: 10 Oct 2018 06:59

Tgt Ion:130 Resp: 513

Ion Ratio Lower Upper

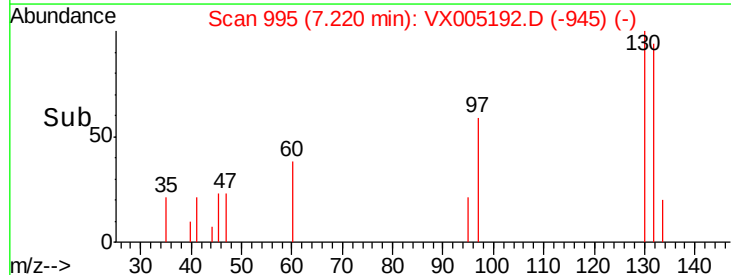
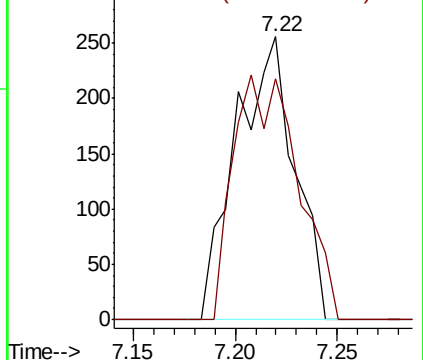
130 100

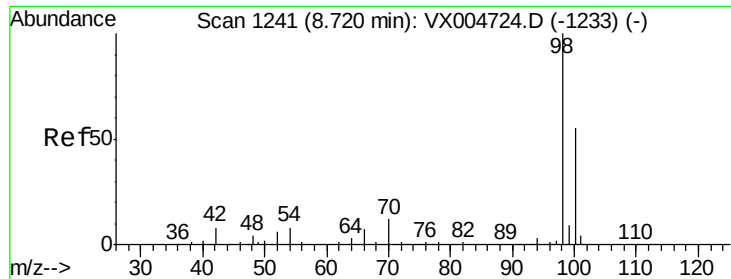
95 85.2 0.0 186.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 51.763 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VX005192.D

Acq: 10 Oct 2018 06:59

Instrument :

MSVOA_X

ClientSampleId :

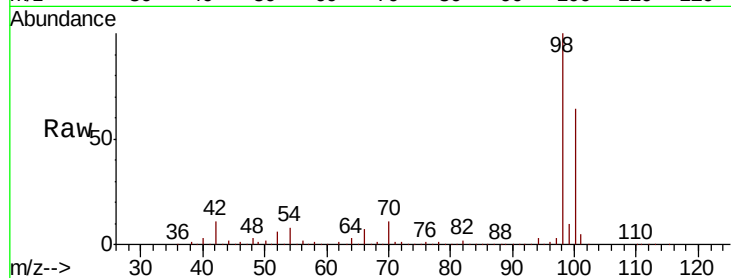
SA-TW514-2024

Tot Ion: 98 Resp: 413227

Ion Ratio Lower Upper

98 100

100 63.3 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

250000

200000

150000

100000

50000

0

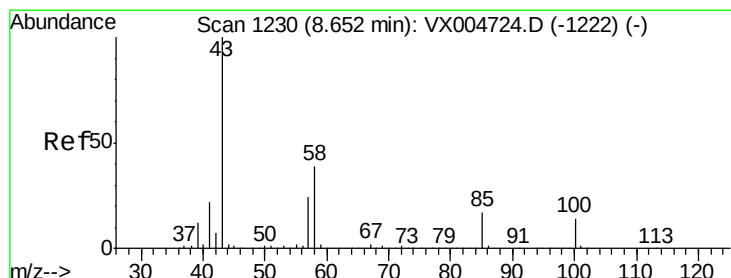
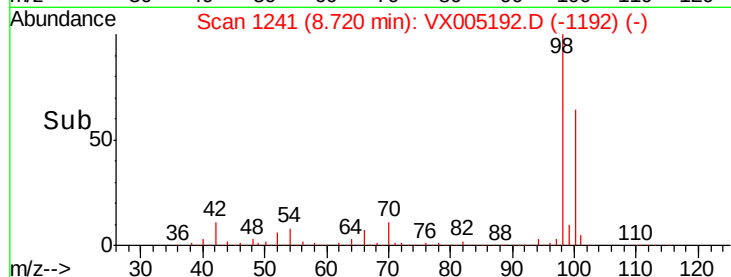
8.60

8.70

8.80

8.90

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.501 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.07 min

Lab File: VX005192.D

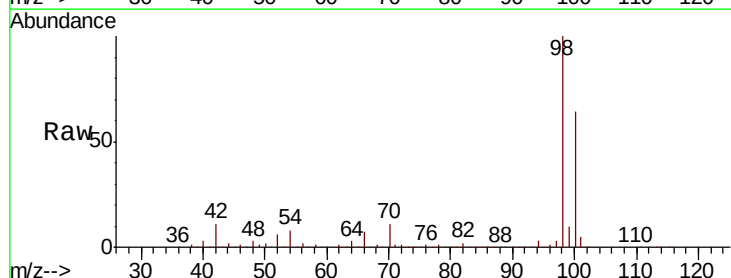
Acq: 10 Oct 2018 06:59

Tgt Ion: 43 Resp: 1980

Ion Ratio Lower Upper

43 100

58 179.8 30.5 45.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2500

2000

1500

1000

500

0

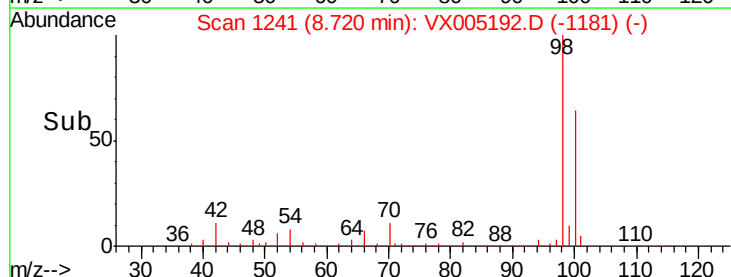
8.65

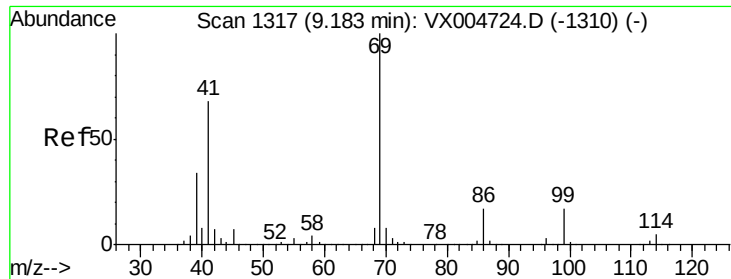
8.70

8.75

8.80

Time-->





#56

Ethyl methacrylate

Concen: 2.867 ug/l

RT: 9.27 min Scan# 1331

Delta R.T. 0.09 min

Lab File: VX005192.D

Acq: 10 Oct 2018 06:59

Instrument :

MSVOA_X

ClientSampleId :

SA-TW514-2024

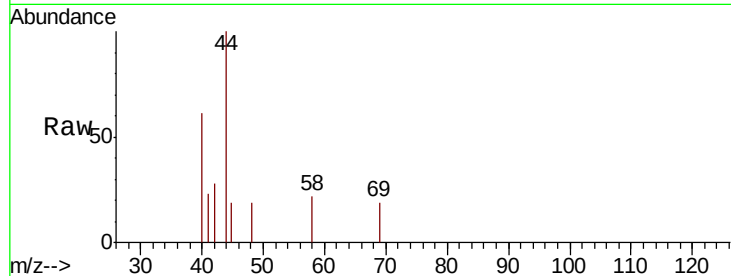
Tot Ion: 69 Resp: 19

Ion Ratio Lower Upper

69 100

41 252.6 56.9 85.3#

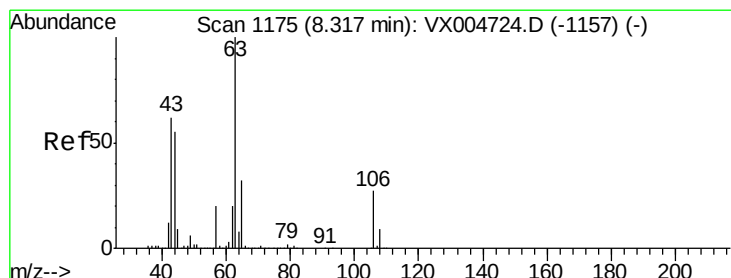
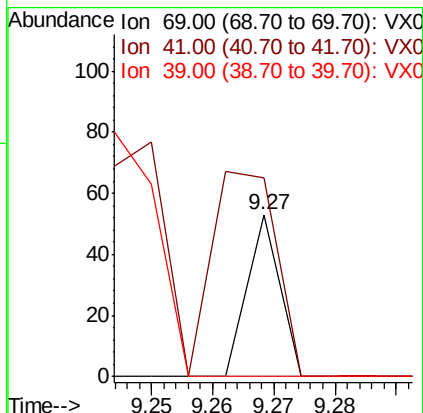
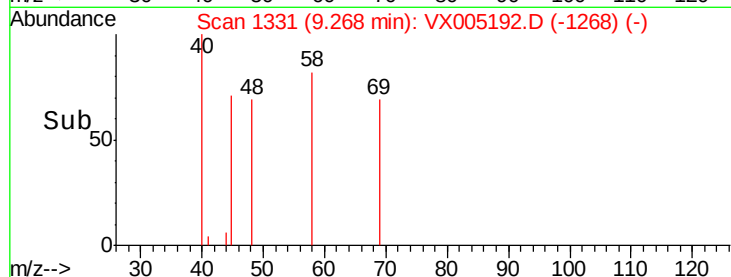
39 0.0 28.4 42.6#



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: 14.252 ug/l

RT: 8.48 min Scan# 1201

Delta R.T. 0.16 min

Lab File: VX005192.D

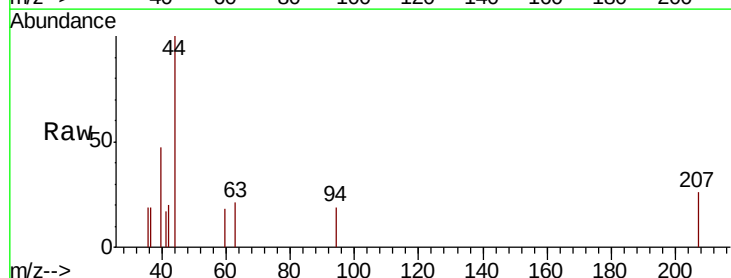
Acq: 10 Oct 2018 06:59

Tgt Ion: 63 Resp: 22

Ion Ratio Lower Upper

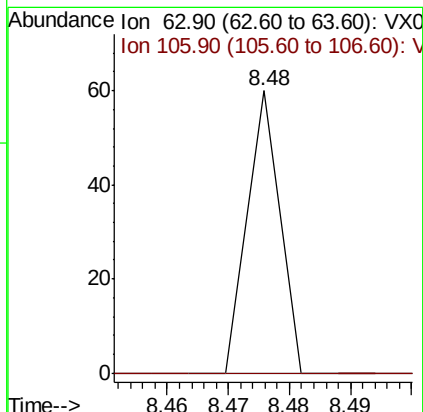
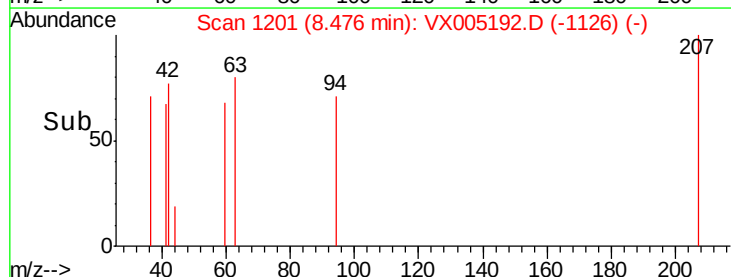
63 100

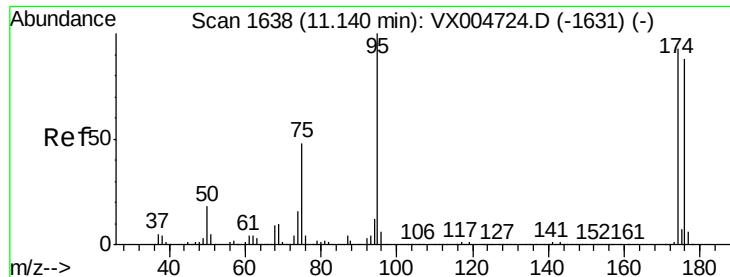
106 0.0 21.0 31.6#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

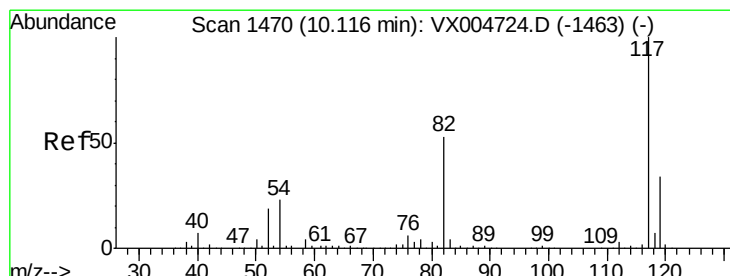
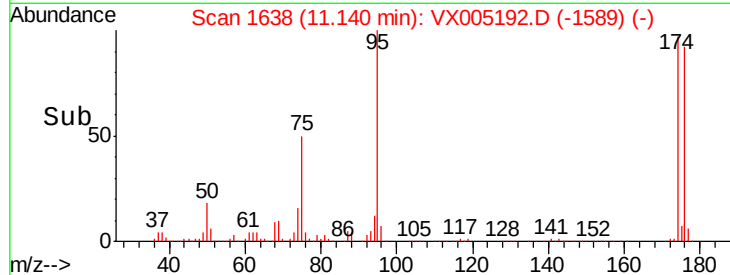
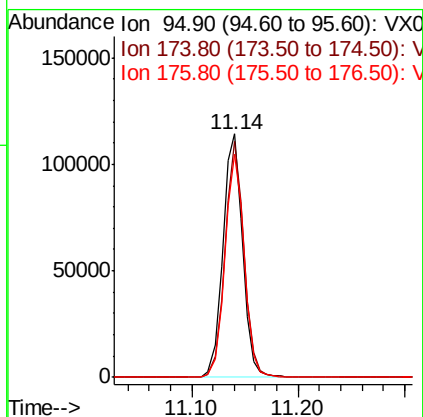
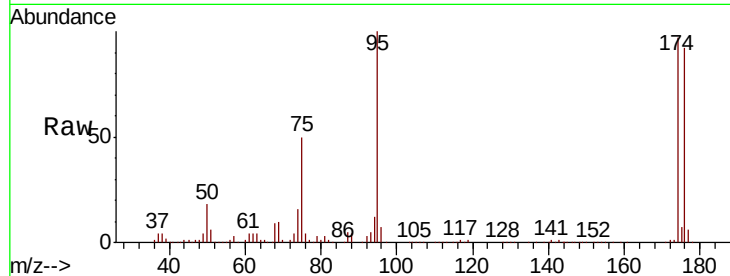




#62
4-Bromofluorobenzene
Concen: 51.321 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005192.D
Acq: 10 Oct 2018 06:59

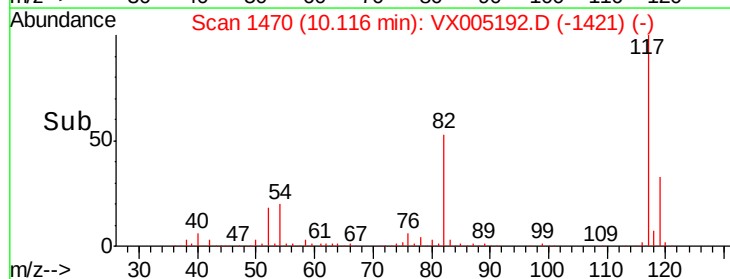
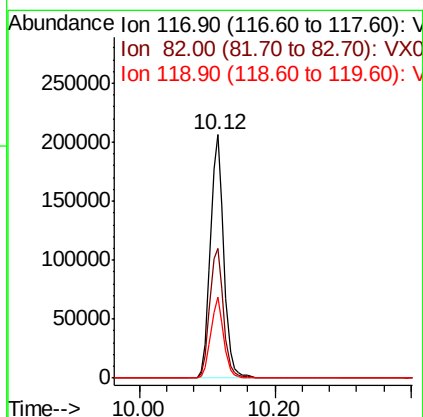
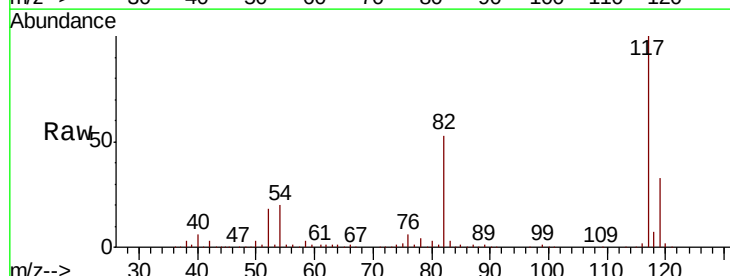
Instrument :
MSVOA_X
ClientSampleId :
SA-TW514-2024

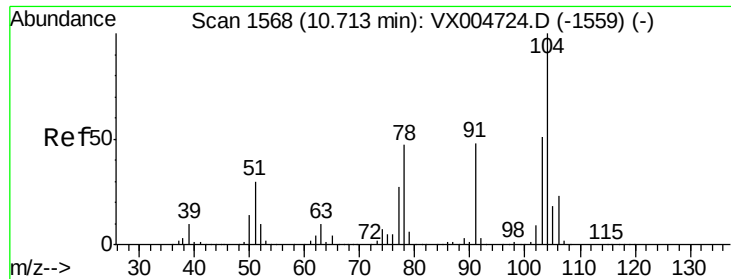
Tot Ion: 95 Resp: 147595
Ion Ratio Lower Upper
95 100
174 93.8 0.0 185.0
176 90.0 0.0 180.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005192.D
Acq: 10 Oct 2018 06:59

Tgt Ion: 117 Resp: 282909
Ion Ratio Lower Upper
117 100
82 53.4 42.2 63.4
119 33.2 27.4 41.0





#70

Stvrene

Concen: 2.147 ug/l

RT: 10.71 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VX005192.D

Acq: 10 Oct 2018 06:59

Instrument :

MSVOA_X

ClientSampleId :

SA-TW514-2024

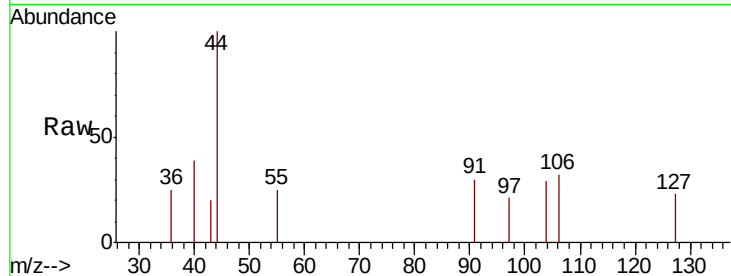
Tot Ion:104 Resp: 49

Ion Ratio Lower Upper

104 100

78 0.0 40.0 60.0#

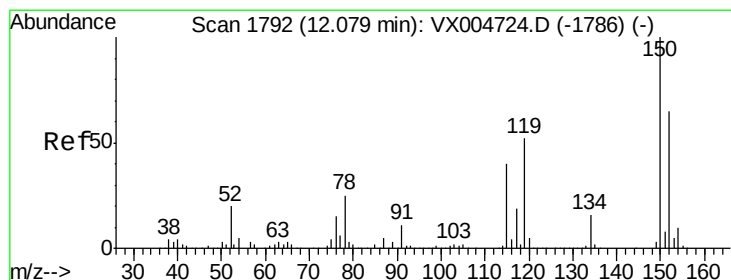
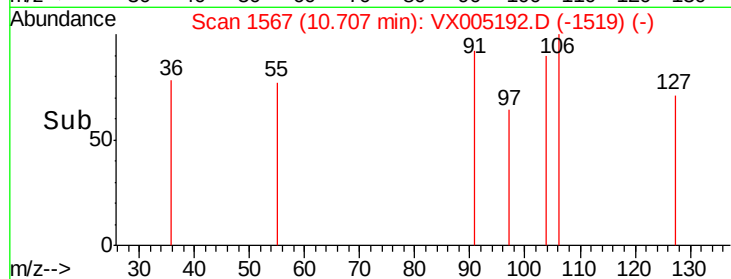
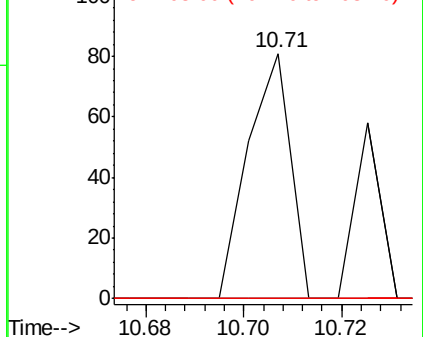
103 0.0 44.3 66.5#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005192.D

Acq: 10 Oct 2018 06:59

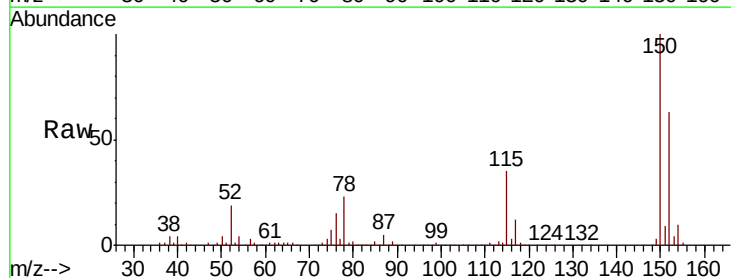
Tgt Ion:152 Resp: 154432

Ion Ratio Lower Upper

152 100

115 55.7 40.2 120.6

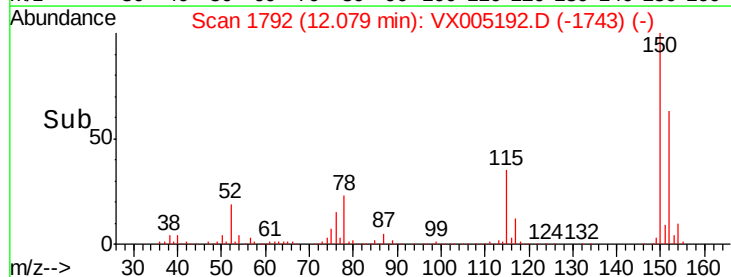
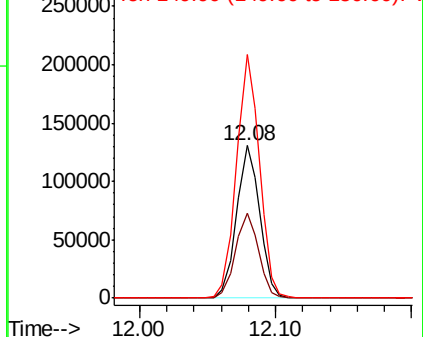
150 159.1 0.0 351.0

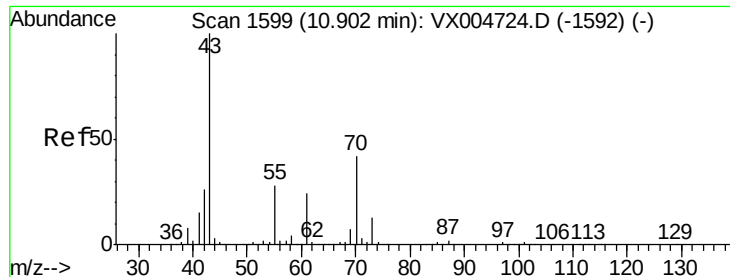


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

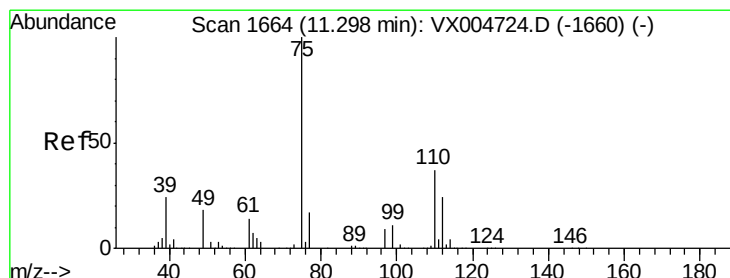
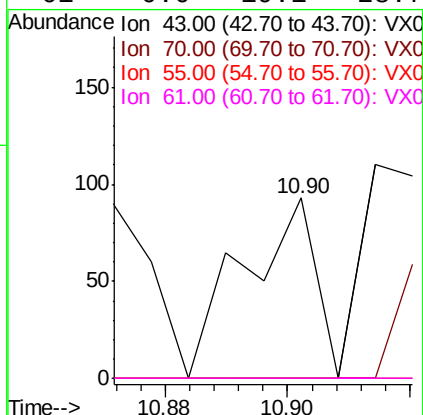
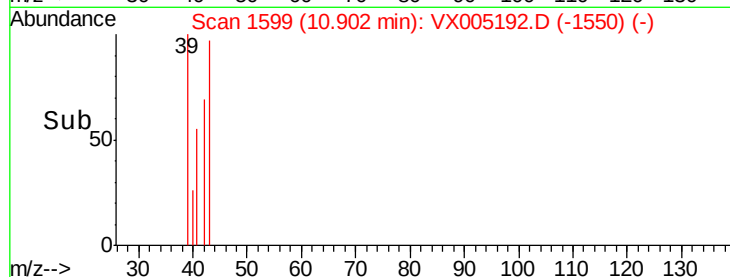
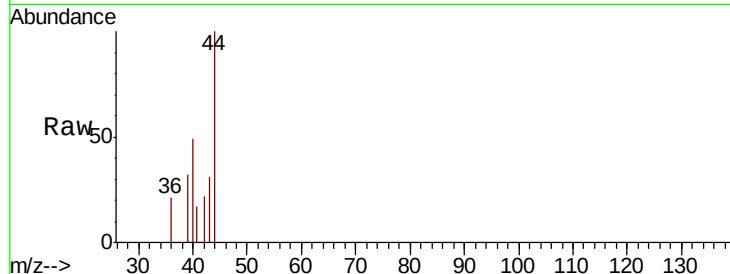




#74
N-amvl acetate
Concen: 1.762 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VX005192.D
Acq: 10 Oct 2018 06:59

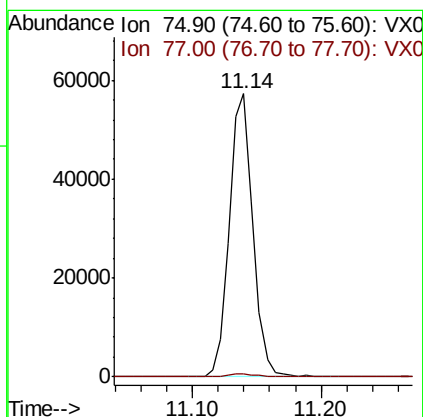
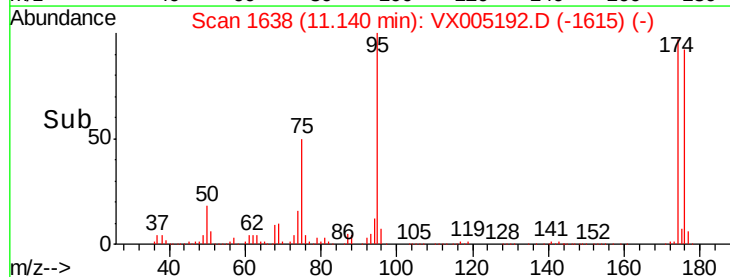
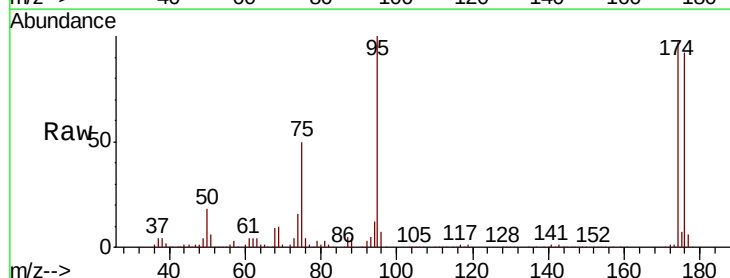
Instrument :
MSVOA_X
ClientSampleId :
SA-TW514-2024

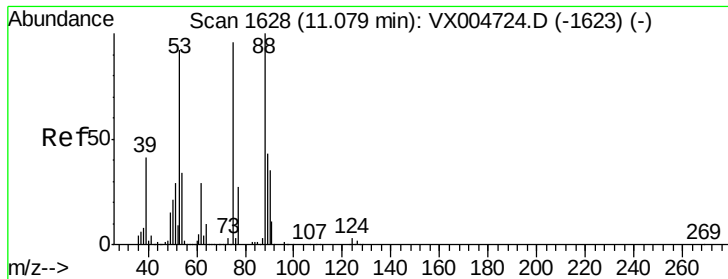
Tot Ion: 43 Resp: 76
Ion Ratio Lower Upper
43 100
70 0.0 32.6 48.8#
55 0.0 21.6 32.4#
61 0.0 19.1 28.7#



#76
1,2,3-Trichloropropane
Concen: 21.235 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.16 min
Lab File: VX005192.D
Acq: 10 Oct 2018 06:59

Tgt Ion: 75 Resp: 73502
Ion Ratio Lower Upper
75 100
77 1.3 21.4 64.3#

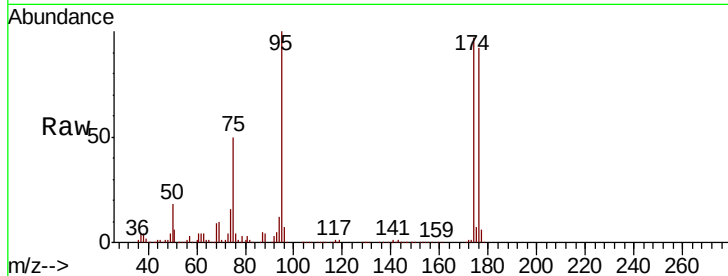




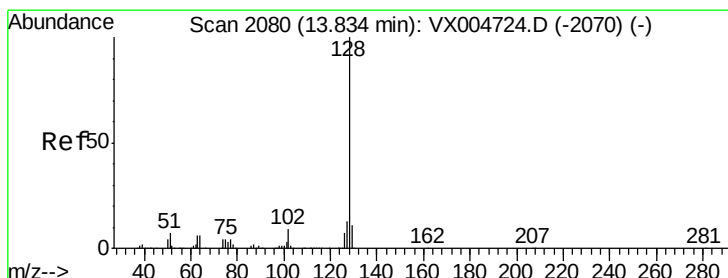
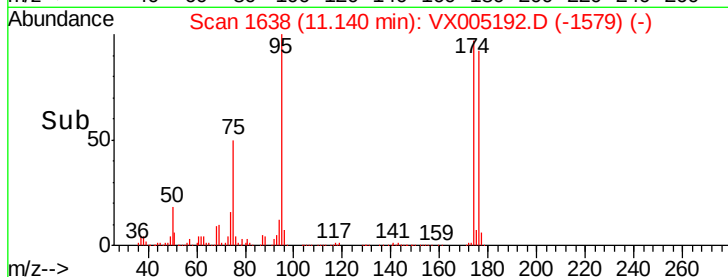
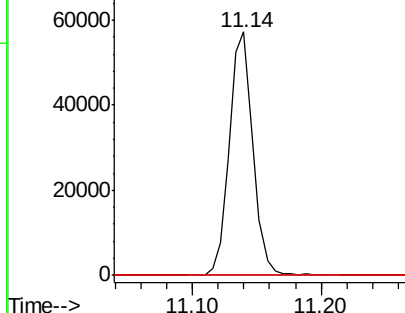
#81
trans-1,4-Dichloro-2-butene
Concen: 57.601 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.06 min
Lab File: VX005192.D
Acq: 10 Oct 2018 06:59

Instrument :
MSVOA_X
ClientSampleId :
SA-TW514-2024

Tot Ion: 75 Resp: 73502
Ion Ratio Lower Upper
75 100
53 0.3 80.2 120.4#
89 0.0 37.1 55.7#

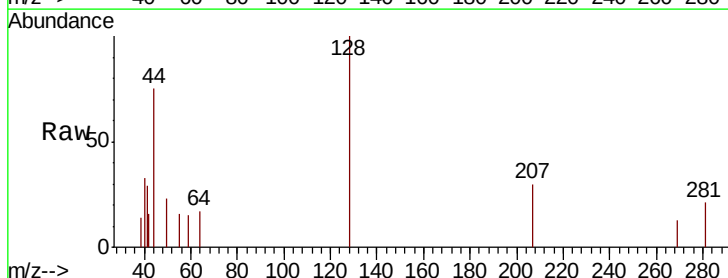


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#95
Naphthalene
Concen: 0.750 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005192.D
Acq: 10 Oct 2018 06:59

Tgt Ion:128 Resp: 396
Ion Ratio Lower Upper
128 100
127 4.8 10.4 15.6#
129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

