

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100118\
 Data File : VX004865.D
 Acq On : 01 Oct 2018 12:47
 Operator : JC/MD
 Sample : J5135-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW502-2125

Quant Time: Oct 02 02:38:38 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	5.66	168	221039	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	369712	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	359877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	200484	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	173849	55.06	ug/l	0.00
Spiked Amount			Recovery	=	110.12%	
35) Dibromofluoromethane	5.50	113	146295	46.69	ug/l	0.00
Spiked Amount			Recovery	=	93.38%	
50) Toluene-d8	8.72	98	533880	51.25	ug/l	0.00
Spiked Amount			Recovery	=	102.50%	
62) 4-Bromofluorobenzene	11.14	95	191188	50.95	ug/l	0.00
Spiked Amount			Recovery	=	101.90%	

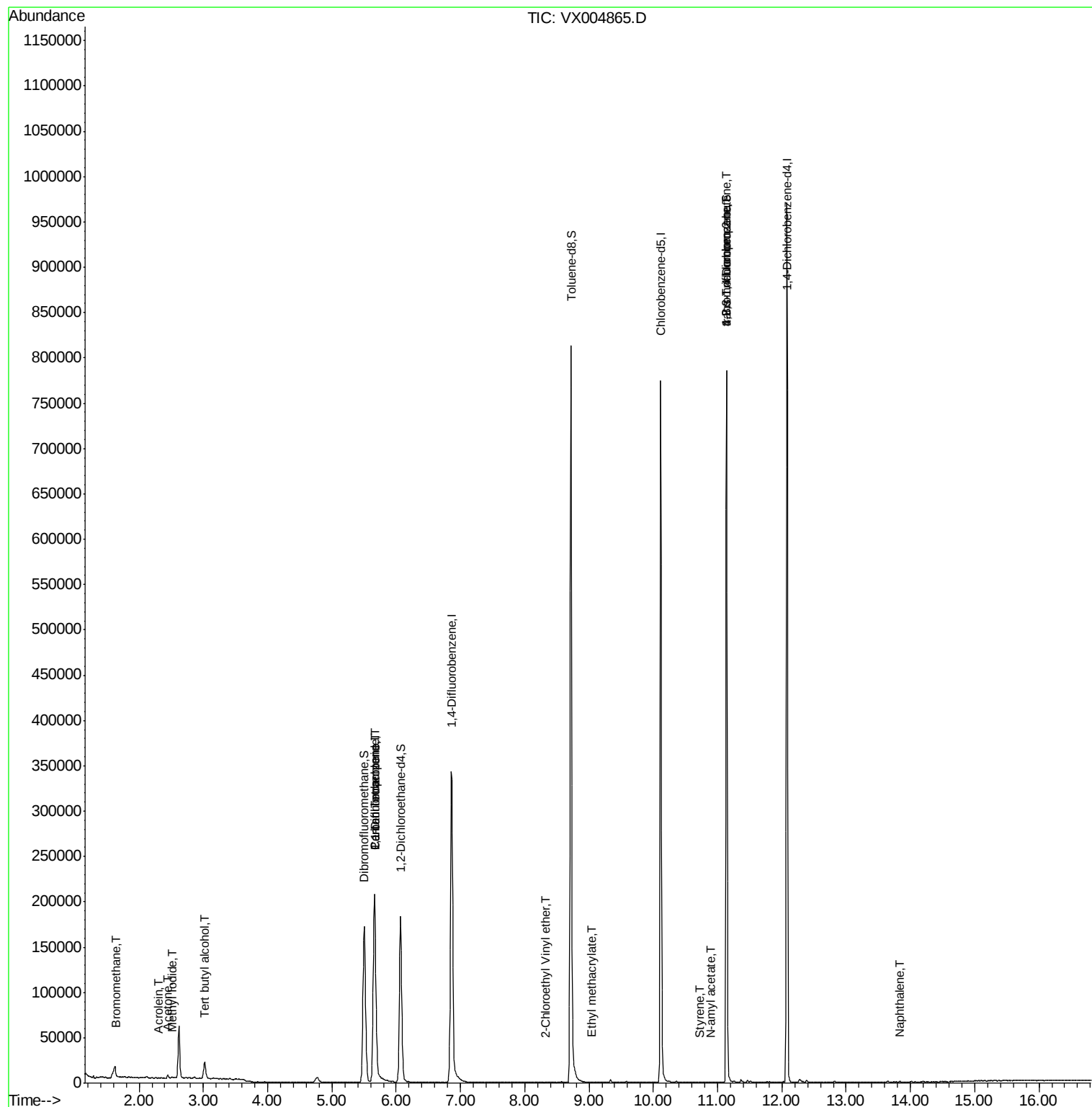
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	683	0.336	ug/l #	68
6) Chloroethane	1.71	64	334	Below Cal	#	44
10) Methyl Iodide	2.51	142	727	0.225	ug/l #	93
11) Tert butyl alcohol	3.02	59	10841	12.279	ug/l #	75
13) Acrolein	2.29	56	199	0.317	ug/l #	1
16) Acetone	2.44	43	3506	1.902	ug/l	95
20) Methylene Chloride	2.87	84	255	Below Cal	#	38
36) 1,1-Dichloropropene	5.66	75	15874	3.713	ug/l #	50
38) Carbon Tetrachloride	5.66	117	19765	4.398	ug/l #	17
56) Ethyl methacrylate	9.05	69	19	2.866	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.32	63	42	14.256	ug/l #	45
70) Styrene	10.72	104	129	2.153	ug/l #	63
74) N-amyl acetate	10.89	43	23	1.751	ug/l #	25
76) 1,2,3-Trichloropropane	11.14	75	95148	21.174	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	342	Below Cal		87
81) trans-1,4-Dichloro-2-buten	11.14	75	95148	57.442	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	440	Below Cal		94
95) Naphthalene	13.83	128	606	0.755	ug/l #	79

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004865.D

Acq: 01 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleId :

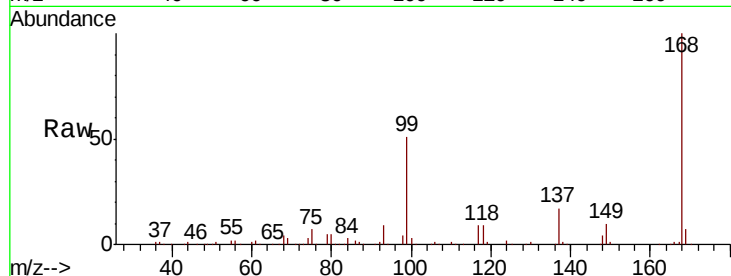
SA-TW502-2125

Tot Ion:168 Resp: 221039

Ion Ratio Lower Upper

168 100

99 51.2 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

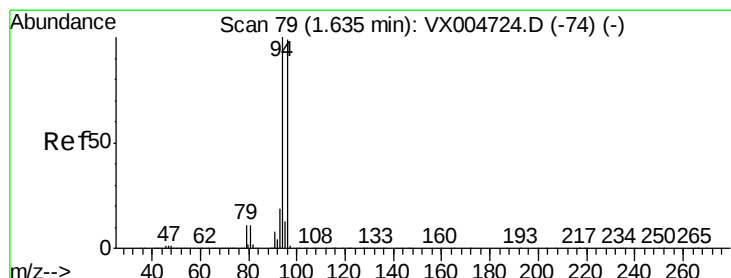
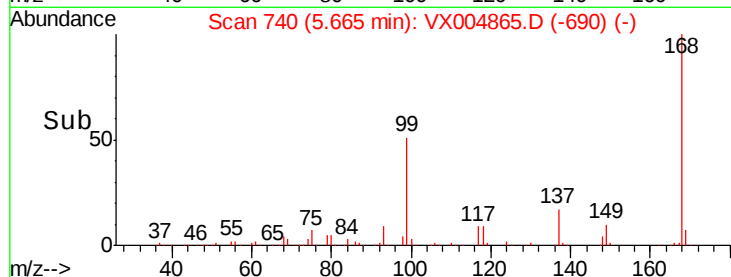
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.336 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX004865.D

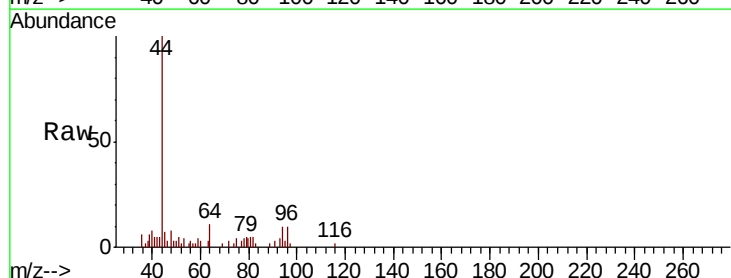
Acq: 01 Oct 2018 12:47

Tgt Ion: 94 Resp: 683

Ion Ratio Lower Upper

94 100

96 124.1 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

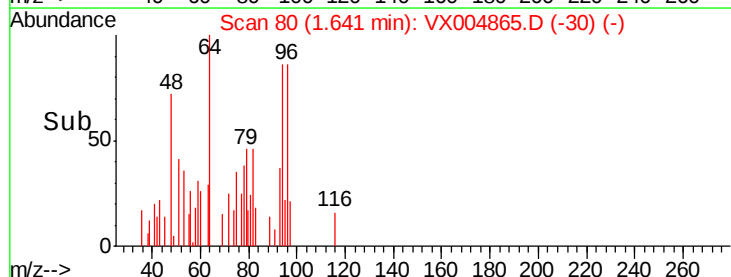
300

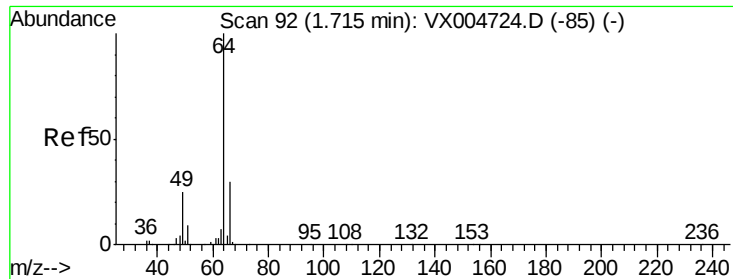
200

100

0

Time--> 1.55 1.60 1.65 1.70





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX004865.D

Acq: 01 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleId :

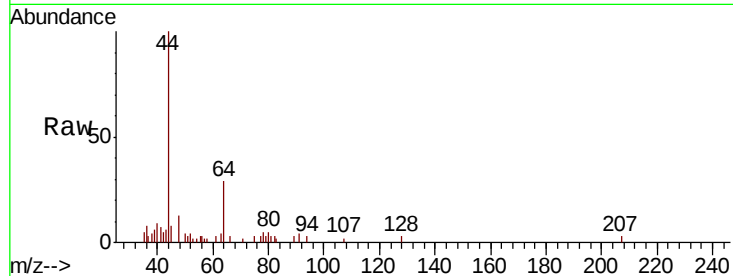
SA-TW502-2125

Tot Ion: 64 Resp: 334

Ion Ratio Lower Upper

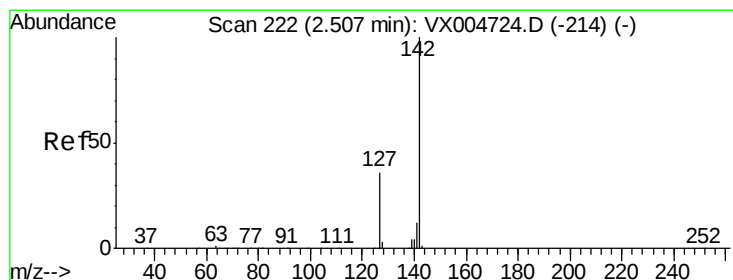
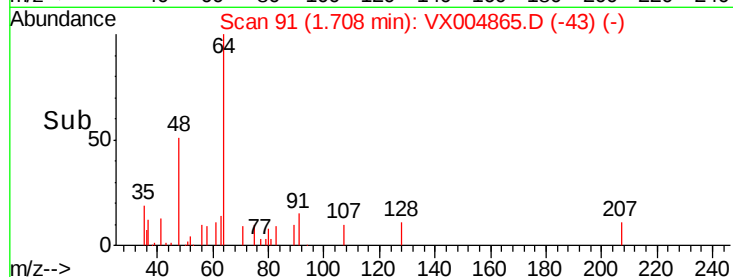
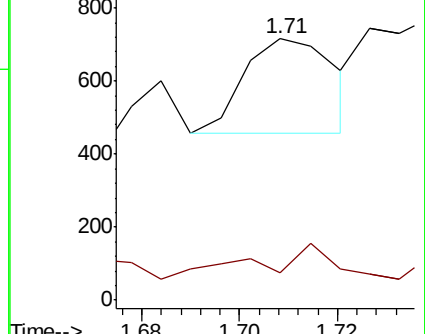
64 100

66 0.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 0.225 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

Lab File: VX004865.D

Acq: 01 Oct 2018 12:47

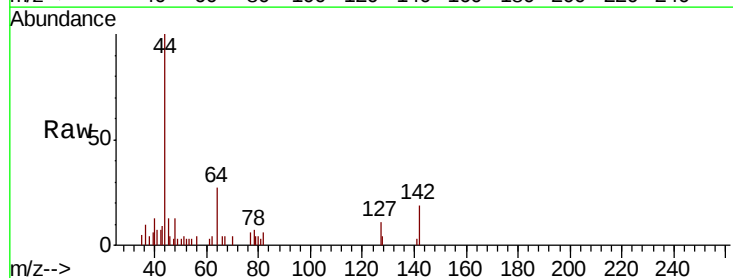
Tgt Ion: 142 Resp: 727

Ion Ratio Lower Upper

142 100

127 44.6 33.8 50.6

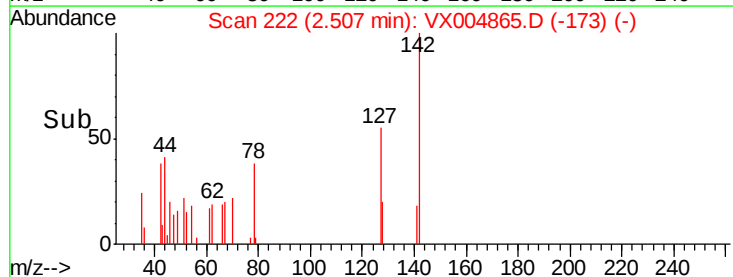
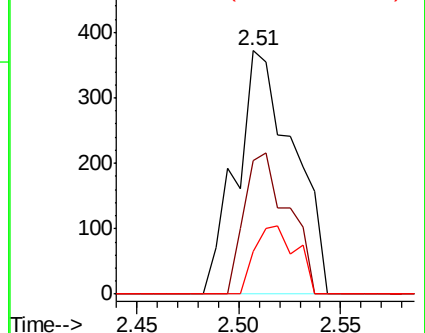
141 20.6 11.4 17.0#

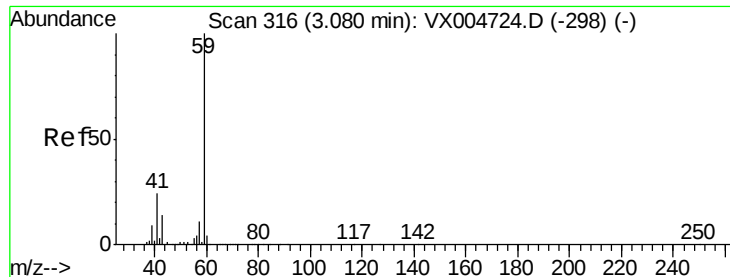


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

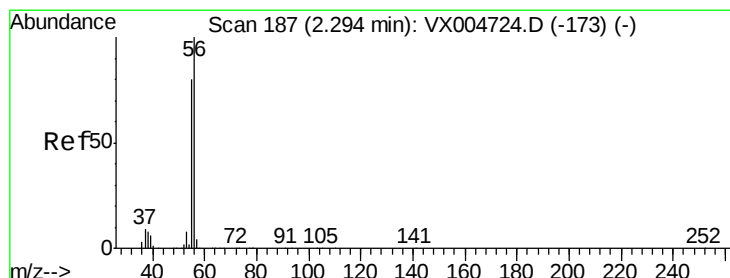
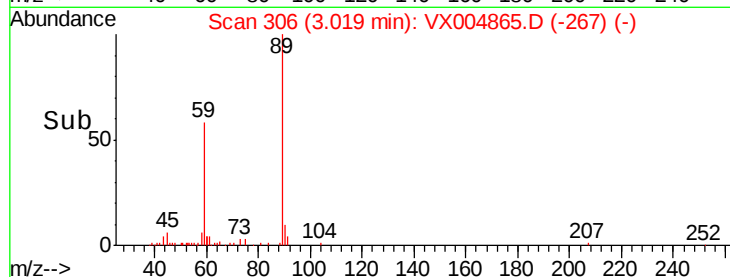
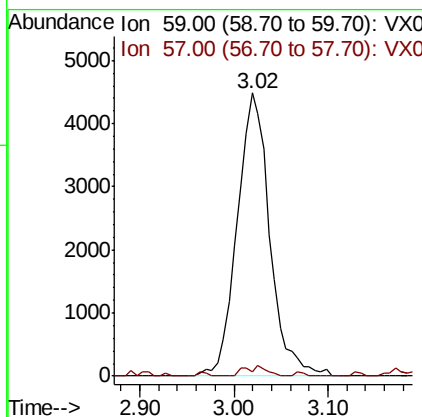
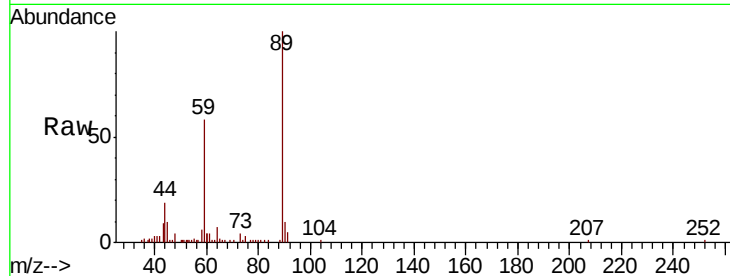




#11
Tert butyl alcohol
Concen: 12.279 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX004865.D
Acq: 01 Oct 2018 12:47

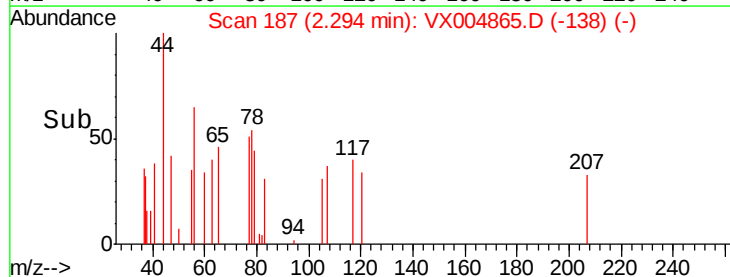
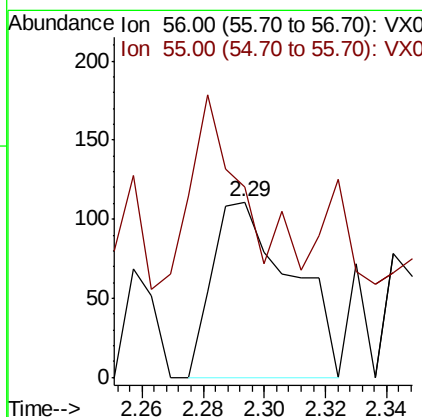
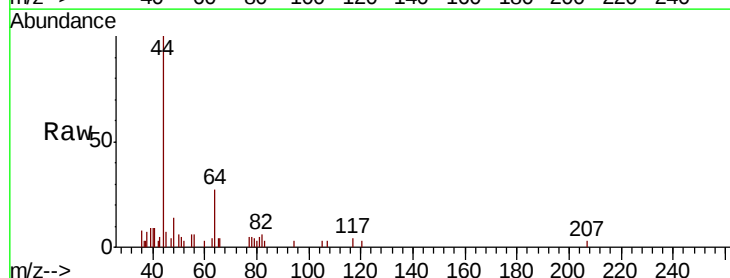
Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-2125

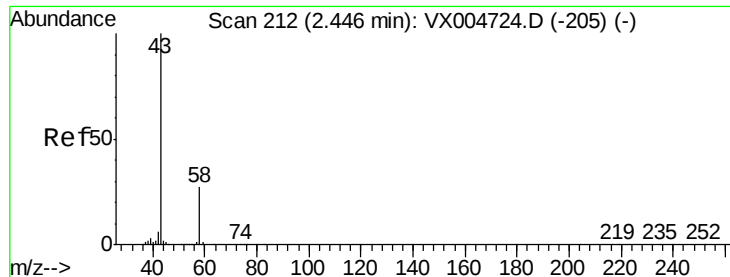
Tot Ion: 59 Resp: 10841
Ion Ratio Lower Upper
59 100
57 1.1 8.2 12.4#



#13
Acrolein
Concen: 0.317 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX004865.D
Acq: 01 Oct 2018 12:47

Tgt Ion: 56 Resp: 199
Ion Ratio Lower Upper
56 100
55 157.3 54.7 82.1#

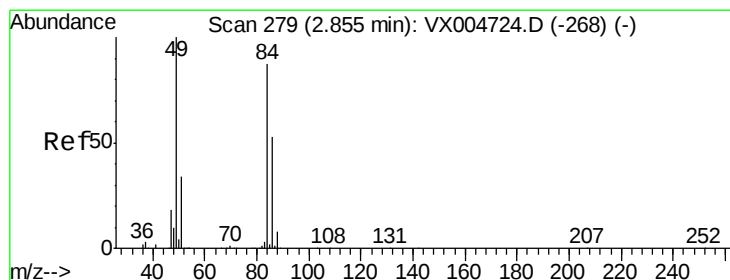
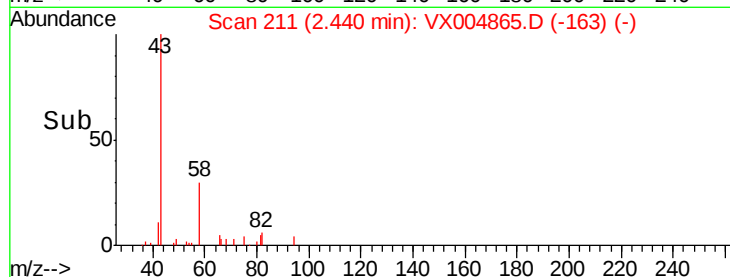
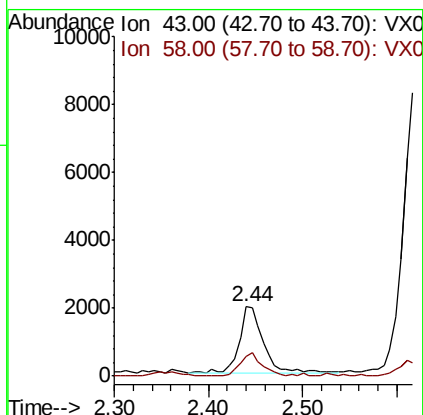
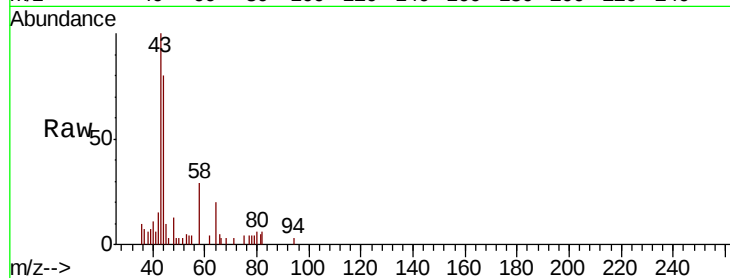




#16
Acetone
Concen: 1.902 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX004865.D
Acq: 01 Oct 2018 12:47

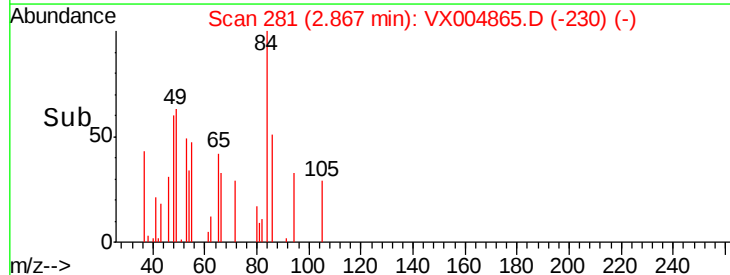
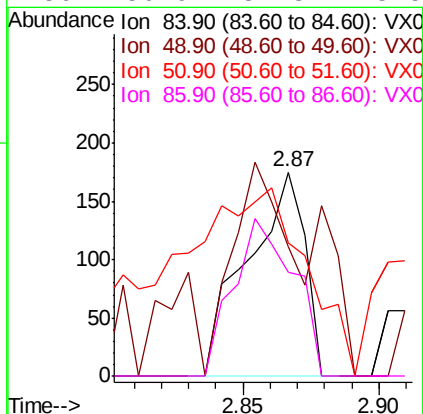
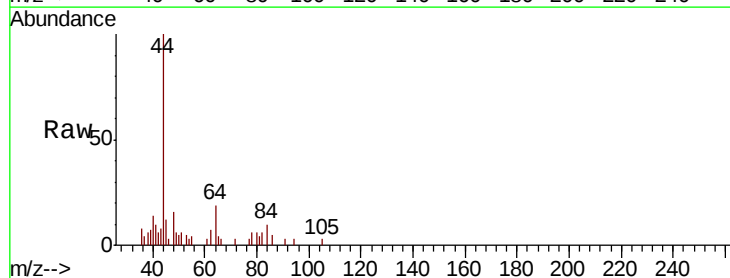
Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-2125

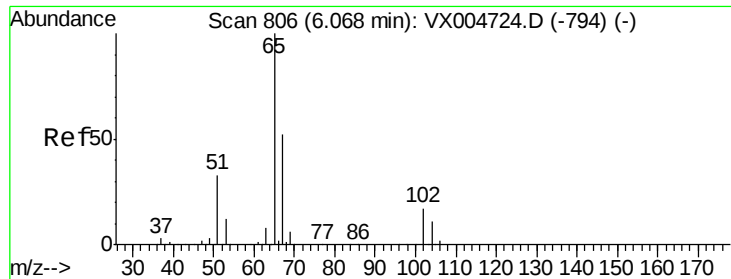
Tot Ion: 43 Resp: 3506
Ion Ratio Lower Upper
43 100
58 30.0 26.2 39.4



#20
Methylene Chloride
Concen: Below Cal
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX004865.D
Acq: 01 Oct 2018 12:47

Tgt Ion: 84 Resp: 255
Ion Ratio Lower Upper
84 100
49 12.6 101.2 151.8#
51 29.7 29.5 44.3
86 50.9 52.3 78.5#





#33

1,2-Dichloroethane-d4

Concen: 55.058 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004865.D

Acq: 01 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleId :

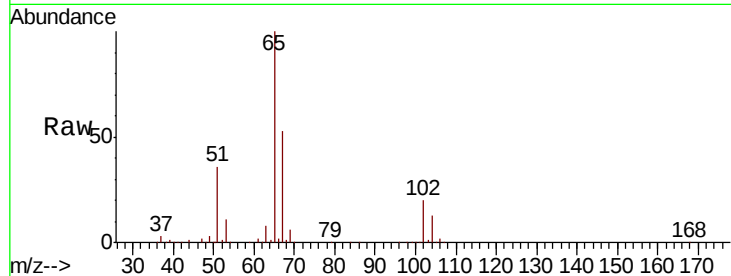
SA-TW502-2125

Tot Ion: 65 Resp: 173849

Ion Ratio Lower Upper

65 100

67 53.8 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

80000

60000

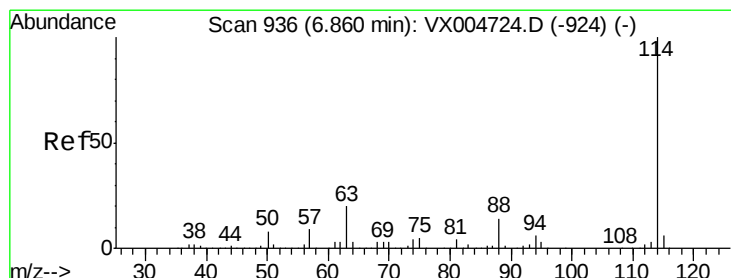
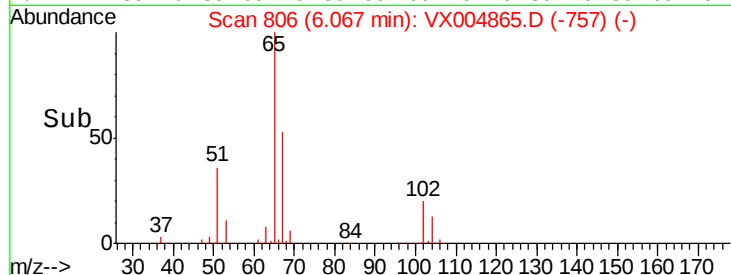
40000

20000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX004865.D

Acq: 01 Oct 2018 12:47

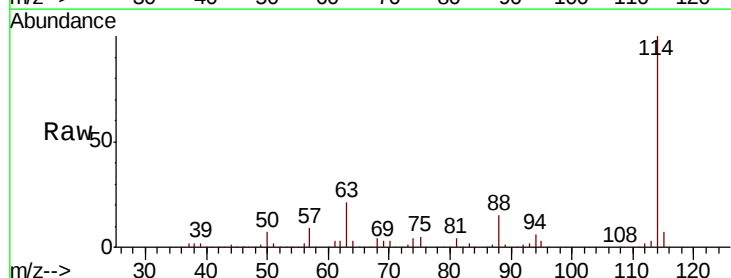
Tgt Ion: 114 Resp: 369712

Ion Ratio Lower Upper

114 100

63 20.8 0.0 39.0

88 15.2 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

200000

150000

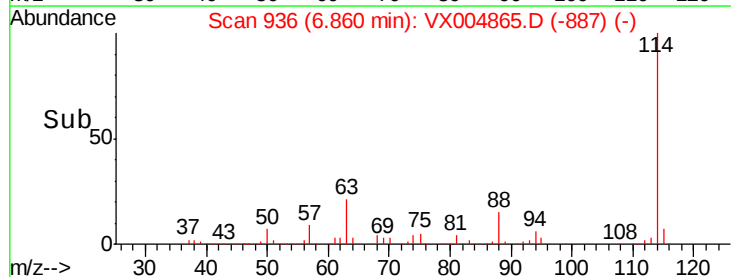
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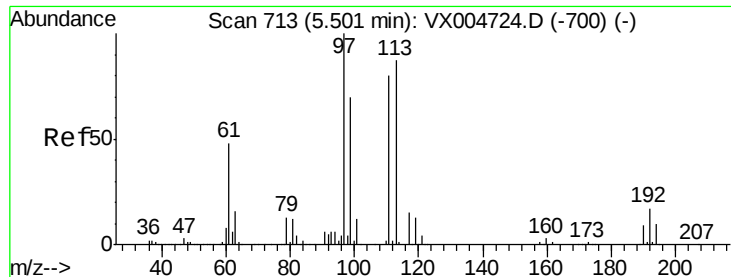
50000

0

Time-->

6.80 7.00 7.20

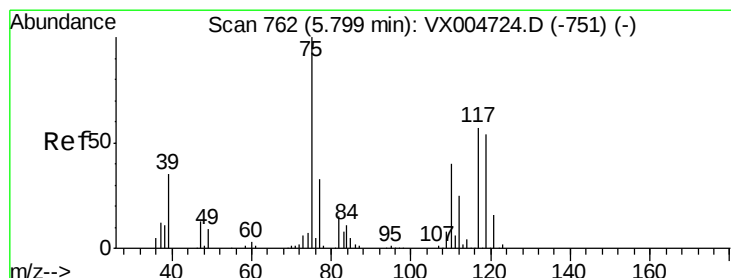
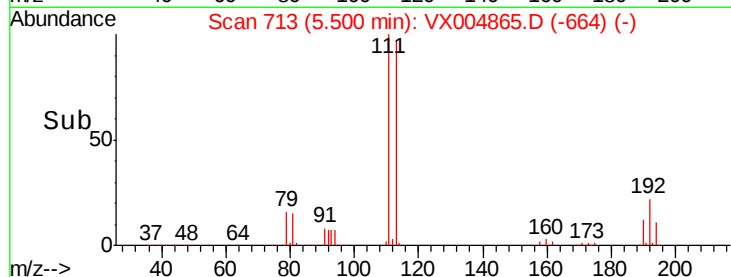
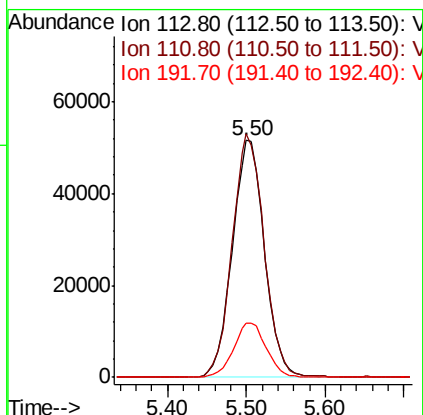
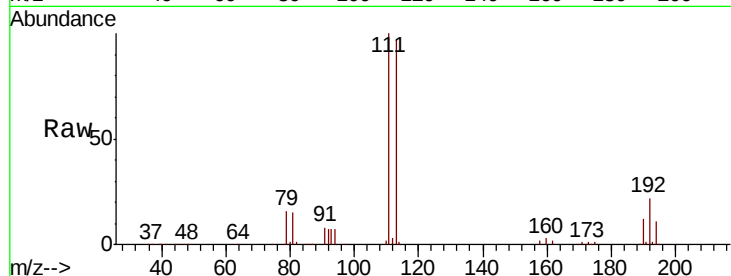




#35
 Dibromofluoromethane
 Concen: 46.690 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004865.D
 Acq: 01 Oct 2018 12:47

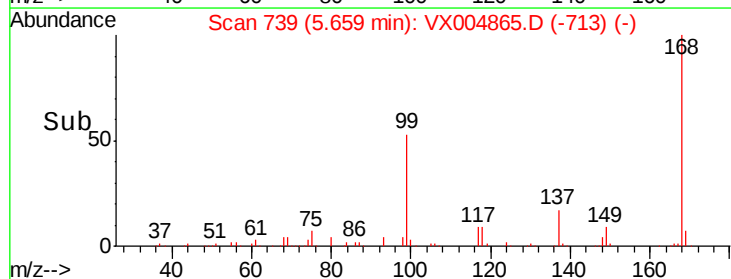
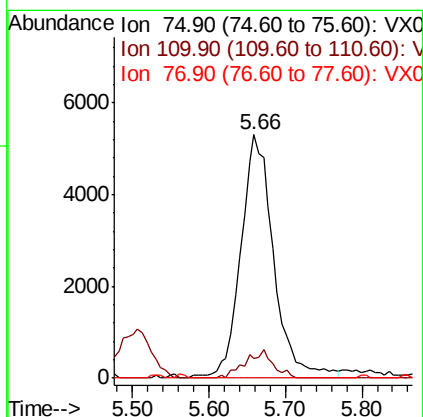
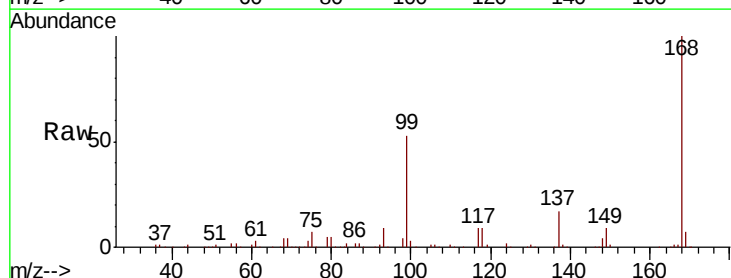
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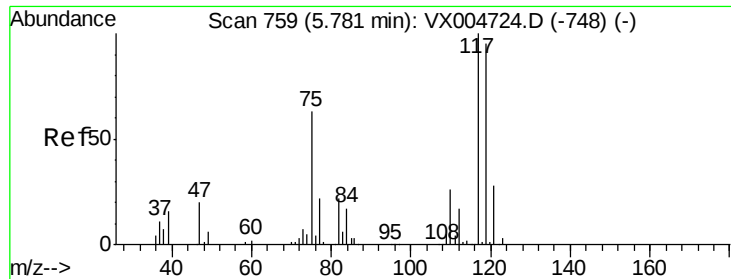
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.4	123.6
192	23.3	19.4	29.2



#36
 1,1-Dichloropropene
 Concen: 3.713 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX004865.D
 Acq: 01 Oct 2018 12:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	18.0	54.0#
77	0.0	24.6	36.8#

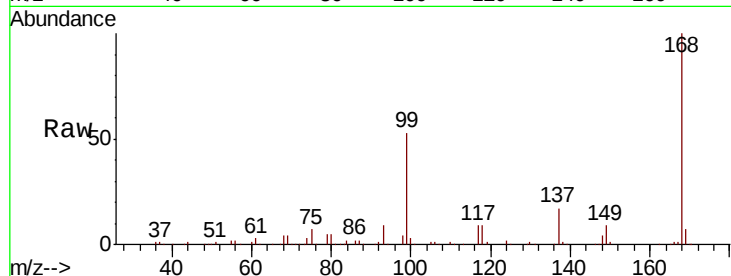




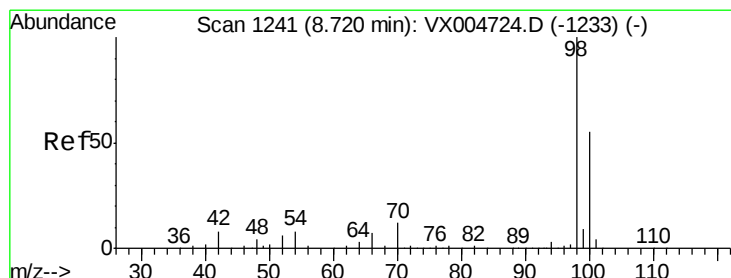
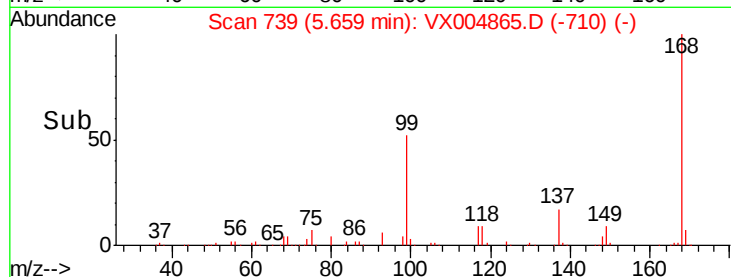
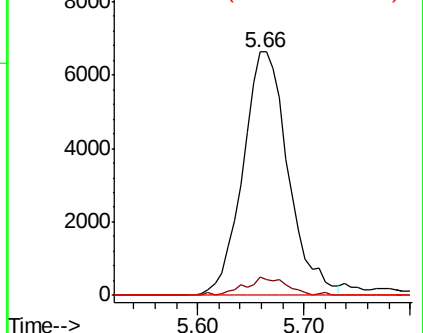
#38
Carbon Tetrachloride
Concen: 4.398 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX004865.D
Acq: 01 Oct 2018 12:47

Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-2125

Tot Ion:117 Resp: 19765
Ion Ratio Lower Upper
117 100
119 7.5 78.8 118.2#
121 0.0 24.9 37.3#

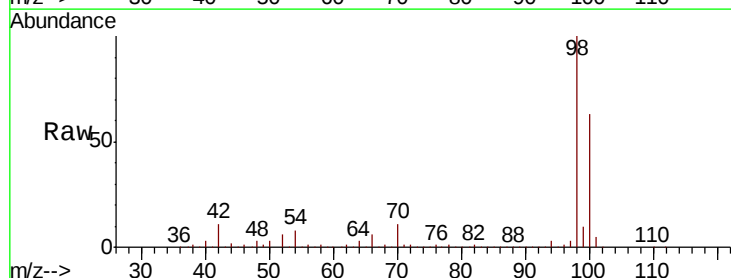


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

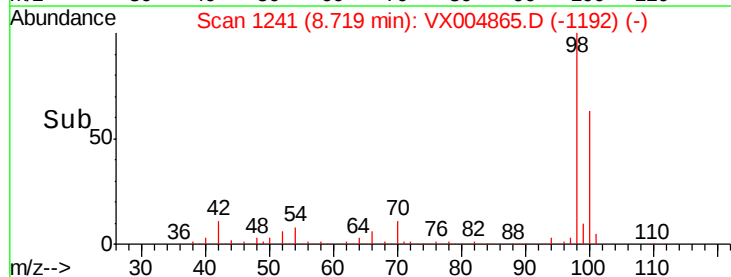
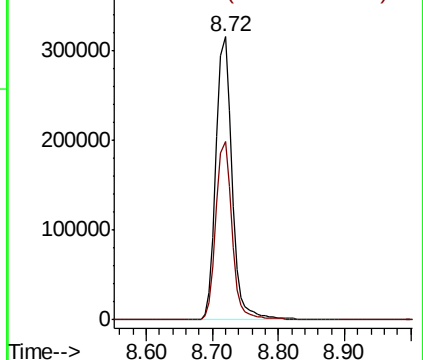


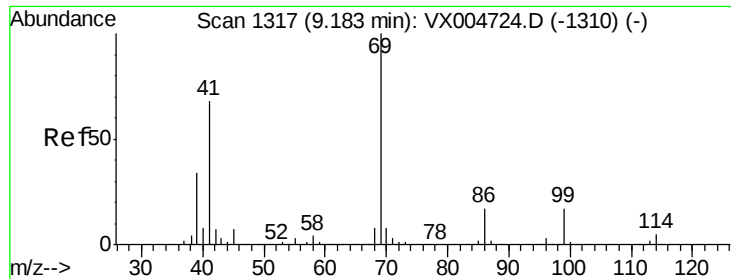
#50
Toluene-d8
Concen: 51.252 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004865.D
Acq: 01 Oct 2018 12:47

Tgt Ion: 98 Resp: 533880
Ion Ratio Lower Upper
98 100
100 63.2 52.9 79.3



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

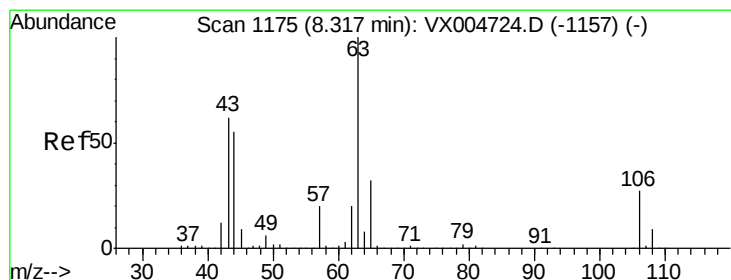
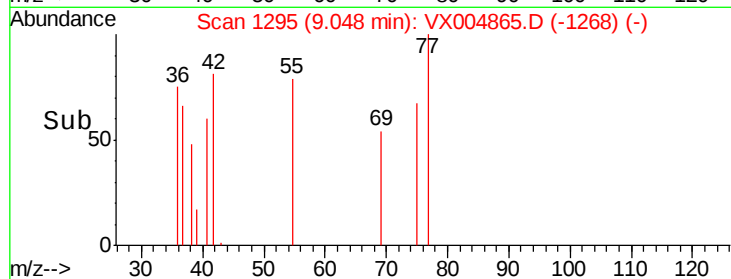
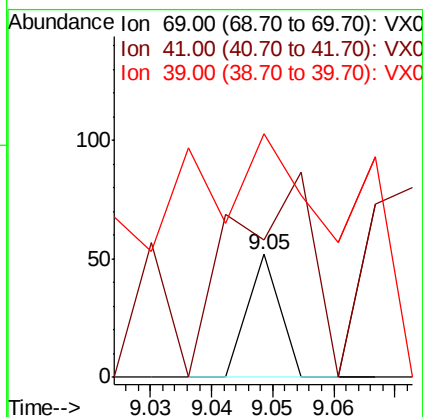
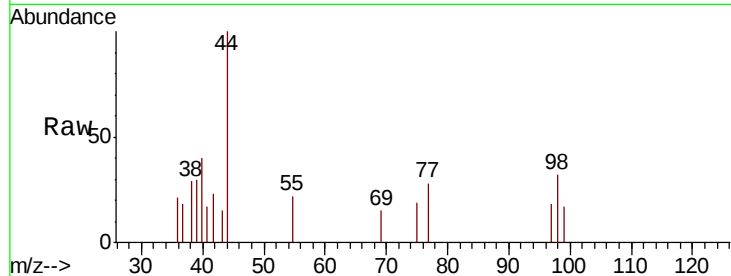




#56
 Ethyl methacrylate
 Concen: 2.866 ug/l
 RT: 9.05 min Scan# 1295
 Delta R.T. -0.13 min
 Lab File: VX004865.D
 Acq: 01 Oct 2018 12:47

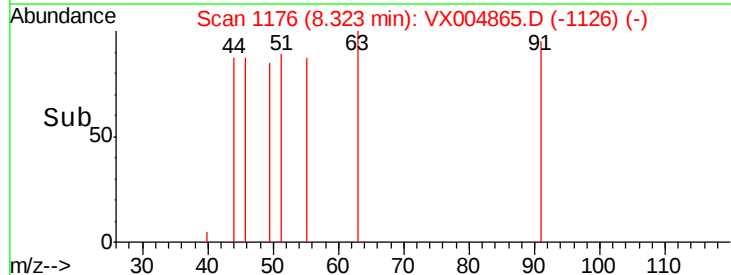
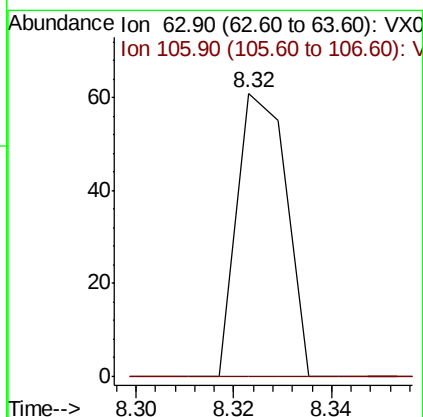
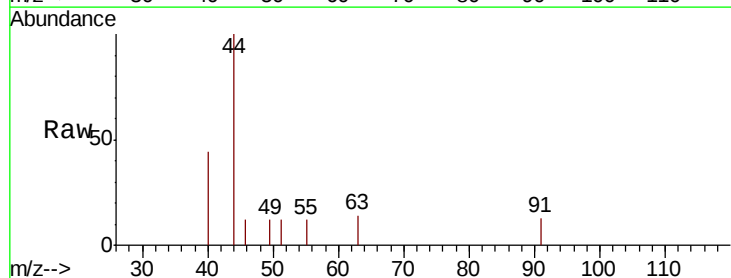
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW502-2125

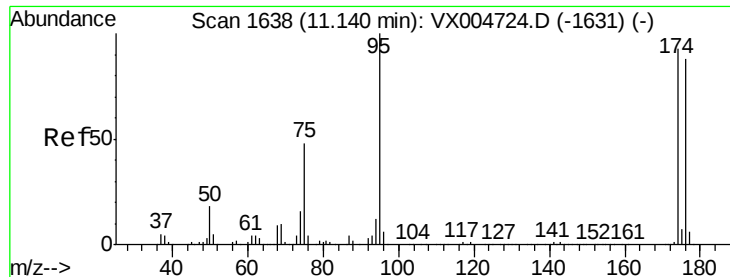
Tot Ion: 69 Resp: 19
 Ion Ratio Lower Upper
 69 100
 41 521.1 51.0 76.4#
 39 1284.2 26.1 39.1#



#58
 2-Chloroethyl Vinyl ether
 Concen: 14.256 ug/l
 RT: 8.32 min Scan# 1176
 Delta R.T. 0.01 min
 Lab File: VX004865.D
 Acq: 01 Oct 2018 12:47

Tgt Ion: 63 Resp: 42
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.9 35.9#





#62

4-Bromofluorobenzene

Concen: 50.947 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004865.D

Acq: 01 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-2125

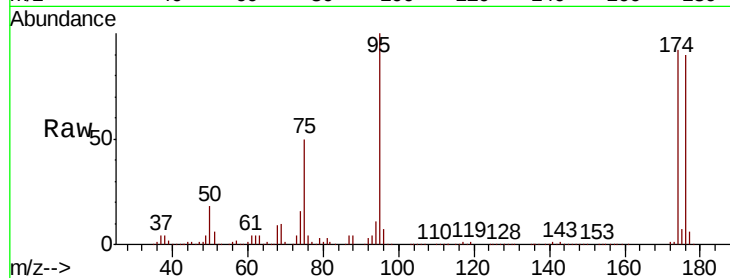
Tot Ion: 95 Resp: 191188

Ion Ratio Lower Upper

95 100

174 92.4 0.0 185.2

176 89.6 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX004724.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX004724.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX004724.D (-1631) (-)

11.14

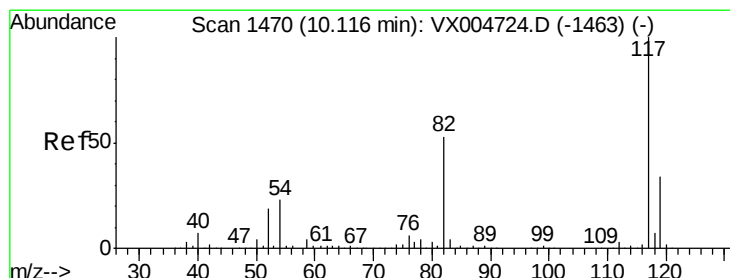
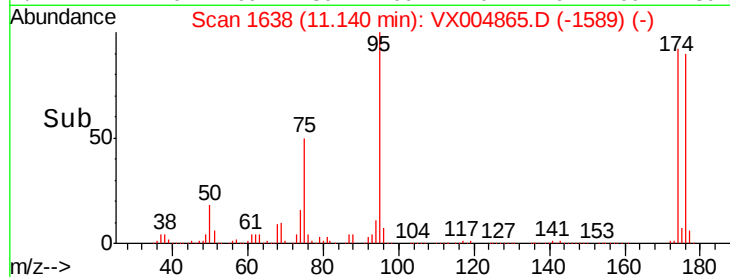
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX004865.D

Acq: 01 Oct 2018 12:47

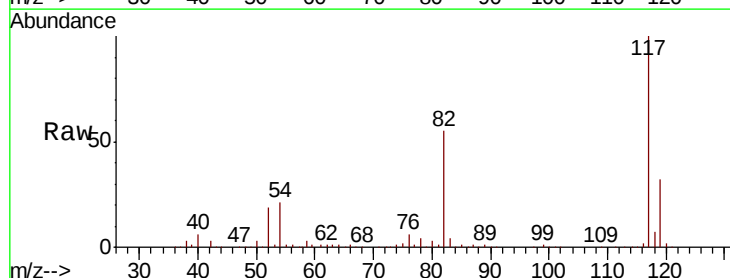
Tgt Ion: 117 Resp: 359877

Ion Ratio Lower Upper

117 100

82 54.8 47.8 71.6

119 32.5 29.3 43.9



Abundance Ion 116.90 (116.60 to 117.60): VX004724.D (-1463) (-)

Ion 82.00 (81.70 to 82.70): VX004724.D (-1463) (-)

Ion 118.90 (118.60 to 119.60): VX004724.D (-1463) (-)

10.12

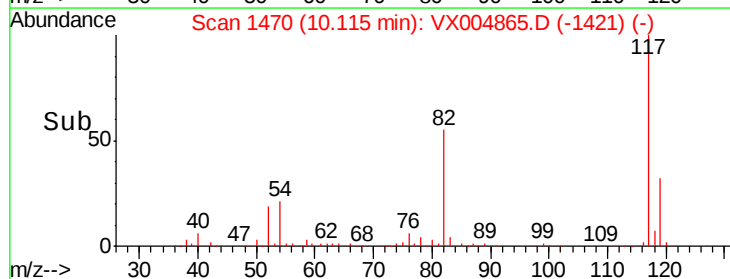
300000

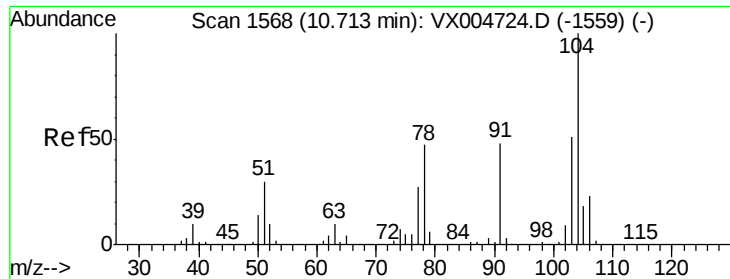
200000

100000

0

Time-->

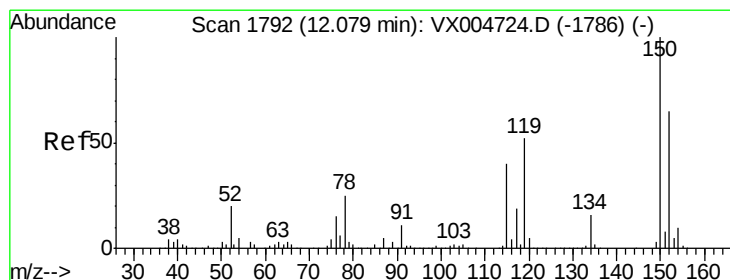
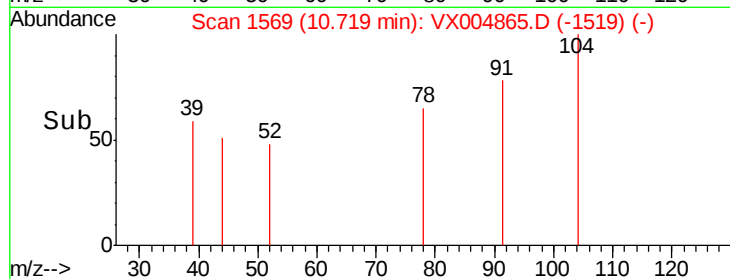
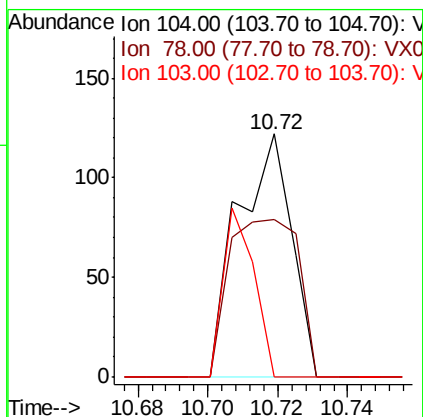
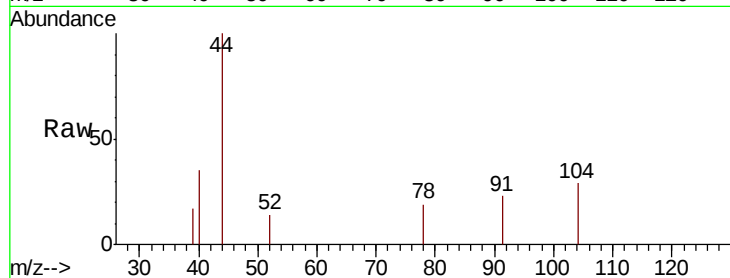




#70
Stvrene
Concen: 2.153 ug/l
RT: 10.72 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VX004865.D
Acq: 01 Oct 2018 12:47

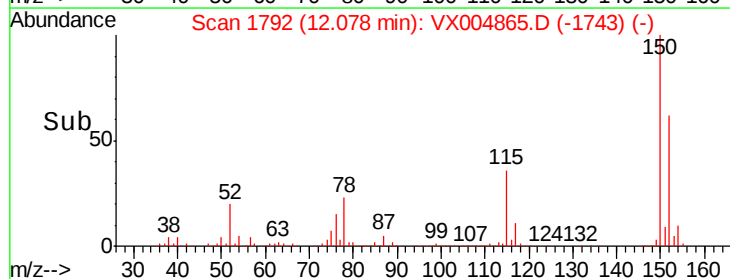
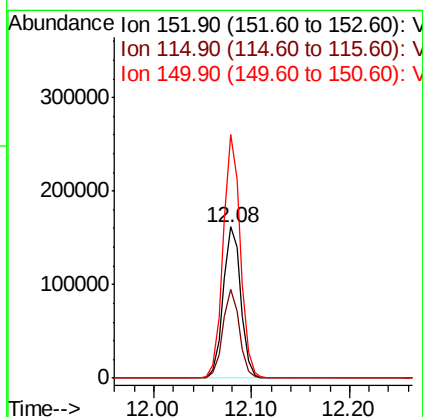
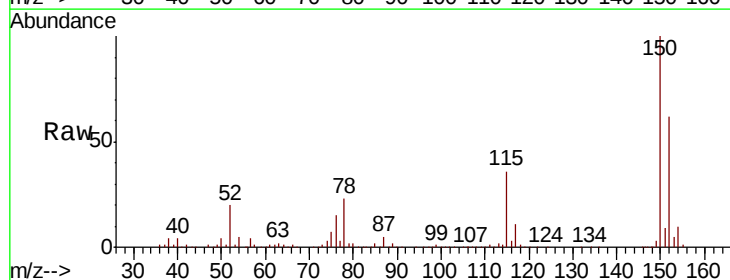
Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-2125

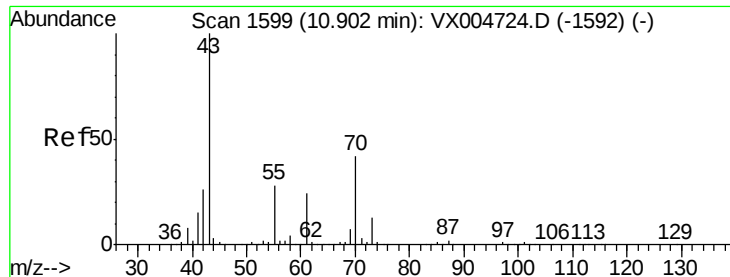
Tot Ion:104 Resp: 129
Ion Ratio Lower Upper
104 100
78 84.5 37.4 56.0#
103 40.3 43.8 65.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004865.D
Acq: 01 Oct 2018 12:47

Tgt Ion:152 Resp: 200484
Ion Ratio Lower Upper
152 100
115 55.9 39.0 117.0
150 157.3 0.0 351.0





#74

N-amvl acetate

Concen: 1.751 ug/l

RT: 10.89 min Scan# 1597

Delta R.T. -0.01 min

Lab File: VX004865.D

Acq: 01 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-2125

Tot Ion: 43 Resp: 23

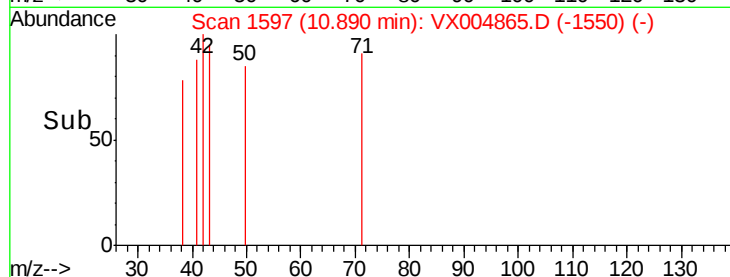
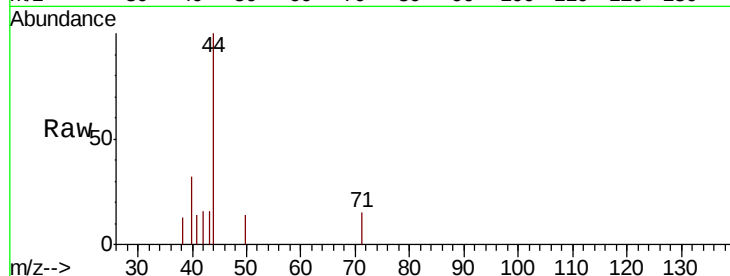
Ion Ratio Lower Upper

43 100

70 0.0 37.4 56.0#

55 82.6 21.8 32.8#

61 0.0 20.6 30.8#

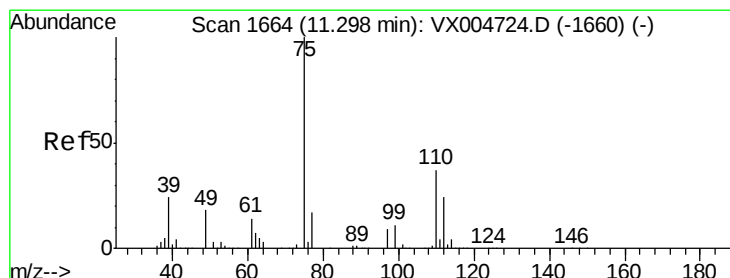
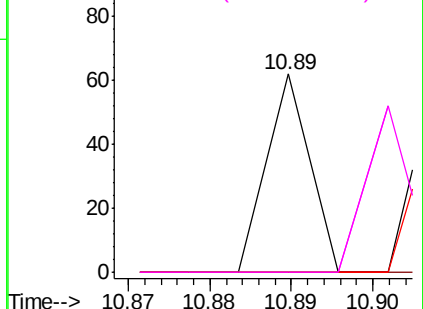


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 21.174 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004865.D

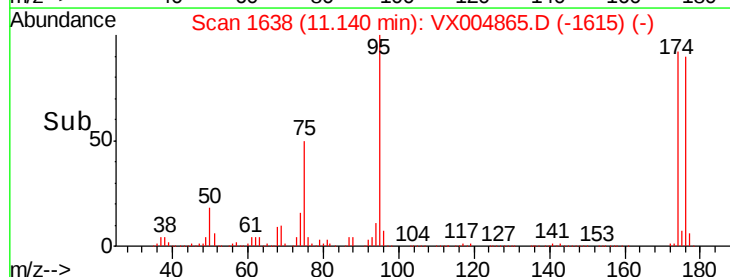
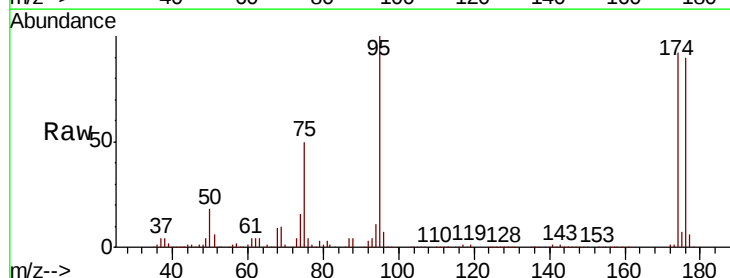
Acq: 01 Oct 2018 12:47

Tgt Ion: 75 Resp: 95148

Ion Ratio Lower Upper

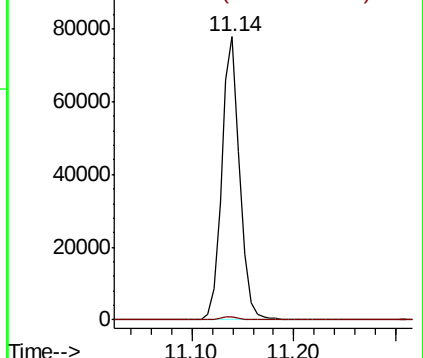
75 100

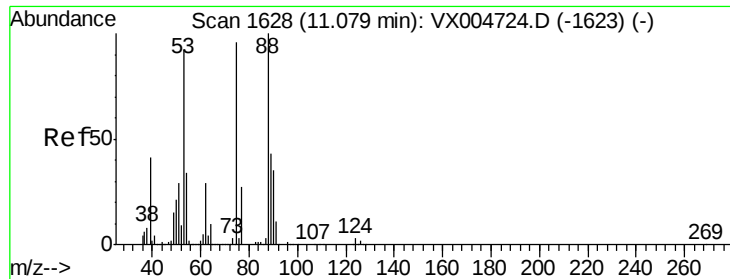
77 1.3 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 57.442 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004865.D

Acq: 01 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampled :

SA-TW502-2125

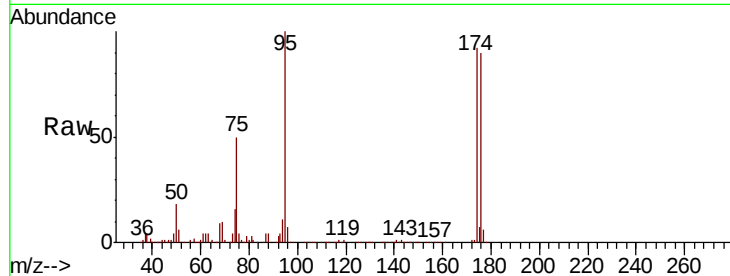
Tot Ion: 75 Resp: 95148

Ion Ratio Lower Upper

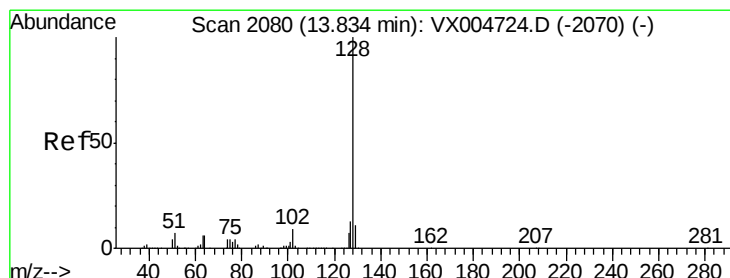
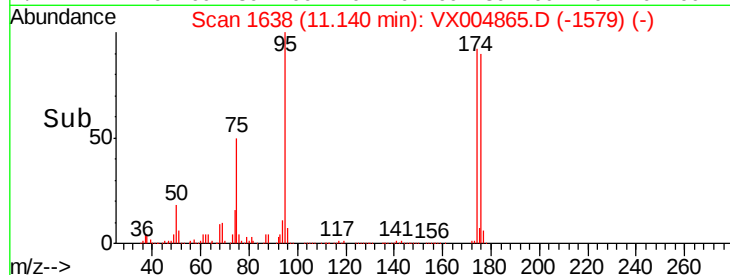
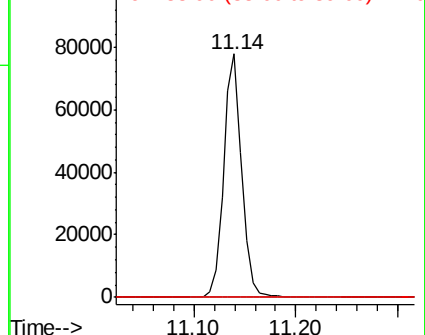
75 100

53 0.3 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



#95

Naphthalene

Concen: 0.755 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004865.D

Acq: 01 Oct 2018 12:47

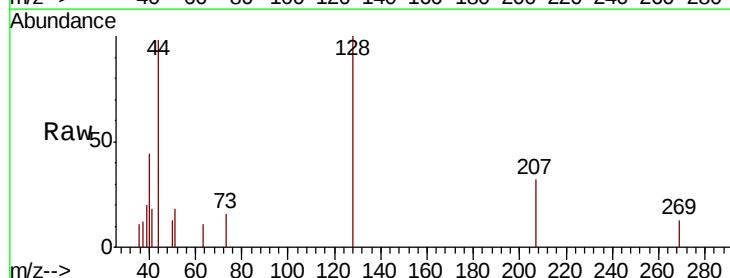
Tgt Ion: 128 Resp: 606

Ion Ratio Lower Upper

128 100

127 3.6 10.2 15.2#

129 3.3 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

