

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092818\
 Data File : VX004850.D
 Acq On : 29 Sep 2018 04:59
 Operator : JC/MD
 Sample : J5134-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW503-2125

Quant Time: Sep 29 06:39:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	231320	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	377043	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	373584	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	207943	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	182209	55.14	ug/l	0.00
Spiked Amount						
35) Dibromofluoromethane	5.50	113	150870	47.21	ug/l	0.00
Spiked Amount						
50) Toluene-d8	8.72	98	553079	52.06	ug/l	0.00
Spiked Amount						
62) 4-Bromofluorobenzene	11.14	95	202138	52.82	ug/l	0.00
Spiked Amount						

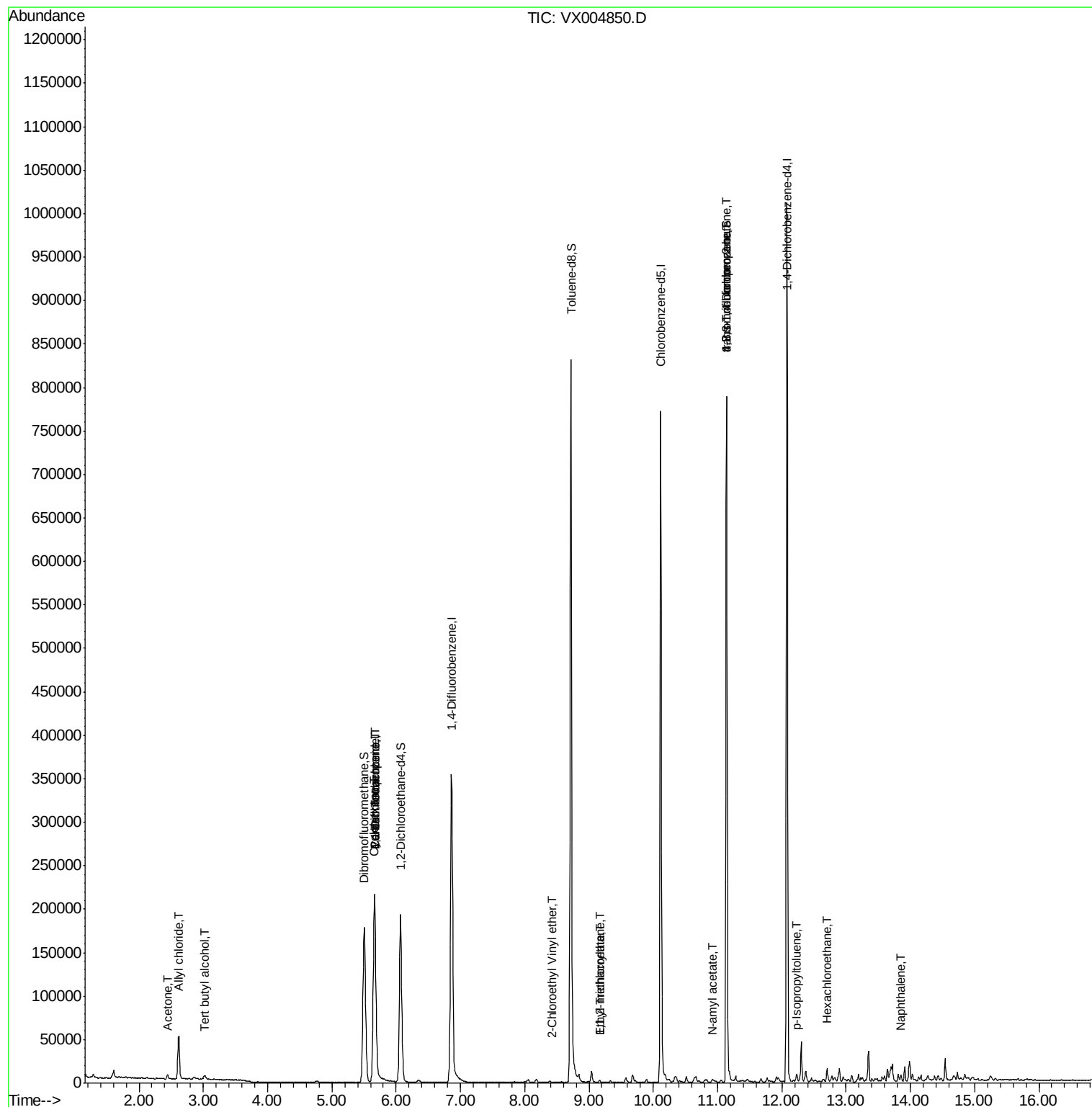
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.72	64	1754	Below Cal	#	44
11) Tert butyl alcohol	3.02	59	3051	3.302	ug/l #	87
14) Allyl chloride	2.62	41	5270	0.964	ug/l #	65
16) Acetone	2.44	43	4727	2.450	ug/l	94
20) Methylene Chloride	2.86	84	808	Below Cal	#	93
31) Cyclohexane	5.65	56	4479	1.065	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15889	3.644	ug/l #	50
38) Carbon Tetrachloride	5.67	117	21315	4.651	ug/l #	16
55) 1,1,2-Trichloroethane	9.16	97	847	0.258	ug/l #	16
56) Ethyl methacrylate	9.16	69	175	2.893	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.43	63	23	14.250	ug/l #	45
74) N-amyl acetate	10.92	43	358	1.796	ug/l #	25
76) 1,2,3-Trichloropropane	11.14	75	100317	21.524	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	88	Below Cal		93
81) trans-1,4-Dichloro-2-buten	11.14	75	100317	58.357	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	328	Below Cal		80
86) p-Isopropyltoluene	12.23	119	3568	0.300	ug/l	94
90) Hexachloroethane	12.70	117	4070	2.053	ug/l #	3
95) Naphthalene	13.84	128	770	0.763	ug/l #	82

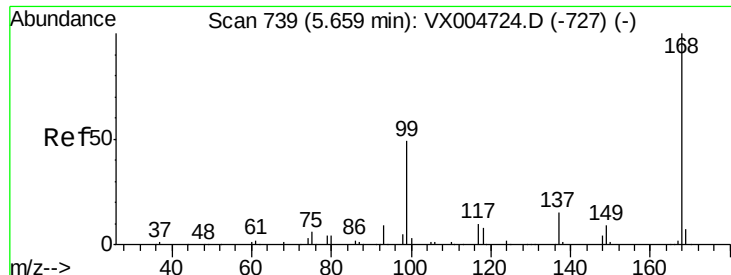
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX004850.D

Acq: 29 Sep 2018 04:59

Instrument :

MSVOA_X

ClientSampleId :

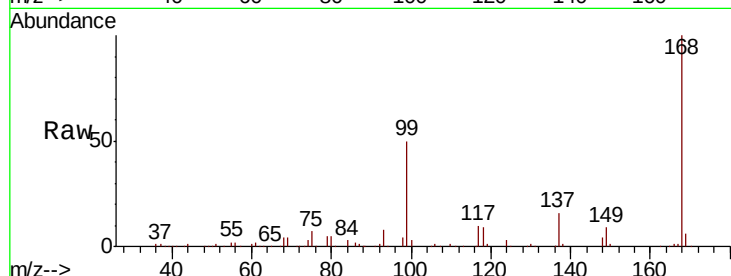
SA-TW503-2125

Tot Ion:168 Resp: 231320

Ion Ratio Lower Upper

168 100

99 50.4 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

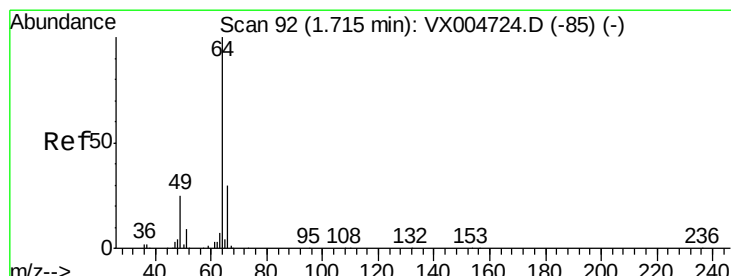
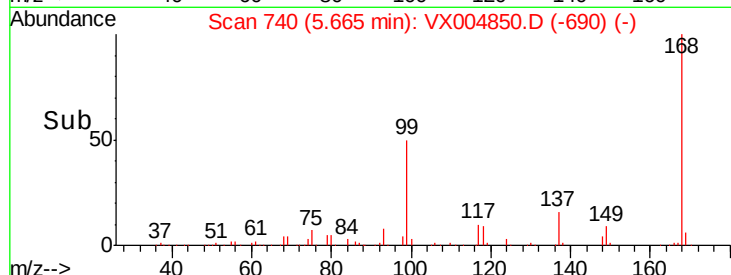
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004850.D

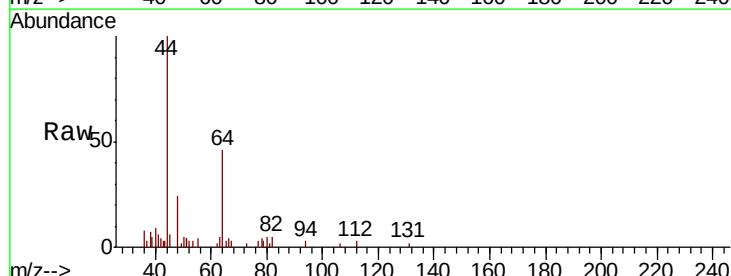
Acq: 29 Sep 2018 04:59

Tgt Ion: 64 Resp: 1754

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

1.72

1200

1000

800

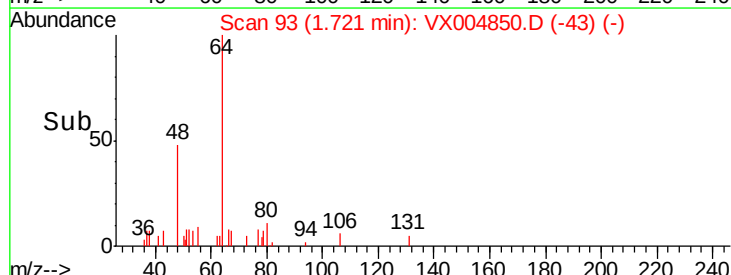
600

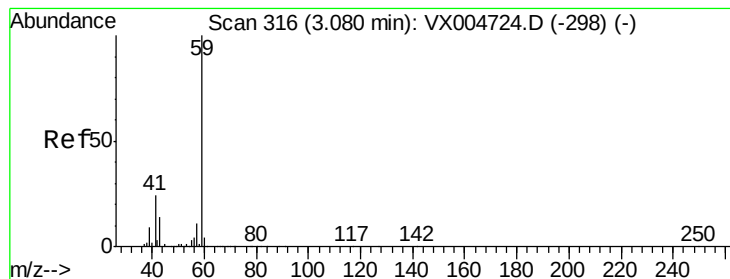
400

200

0

Time-->





#11

Tert butyl alcohol

Concen: 3.302 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.06 min

Lab File: VX004850.D

Acq: 29 Sep 2018 04:59

Instrument :

MSVOA_X

ClientSampleId :

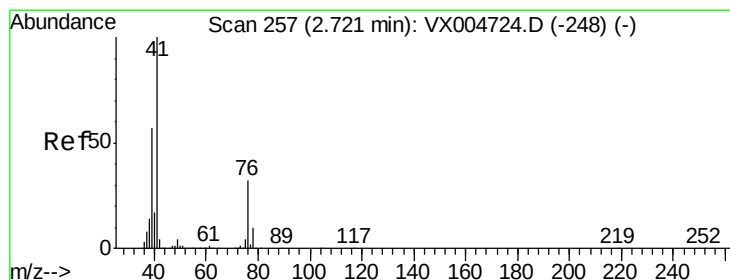
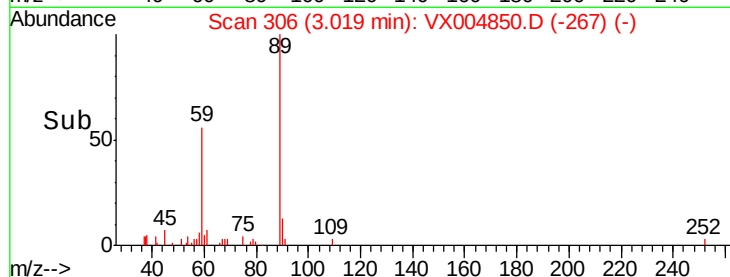
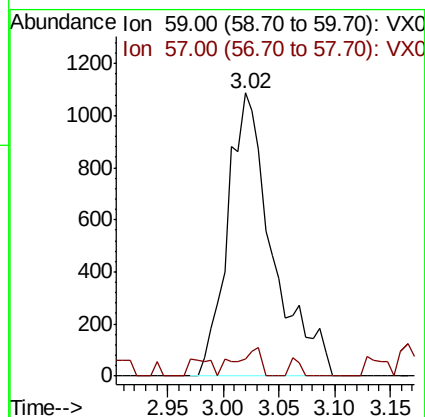
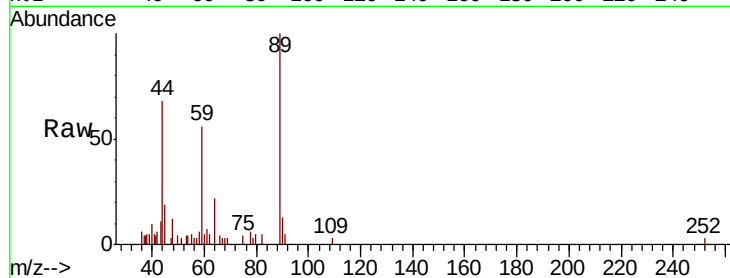
SA-TW503-2125

Tot Ion: 59 Resp: 3051

Ion Ratio Lower Upper

59 100

57 5.4 8.2 12.4#



#14

Allyl chloride

Concen: 0.964 ug/l

RT: 2.62 min Scan# 240

Delta R.T. -0.10 min

Lab File: VX004850.D

Acq: 29 Sep 2018 04:59

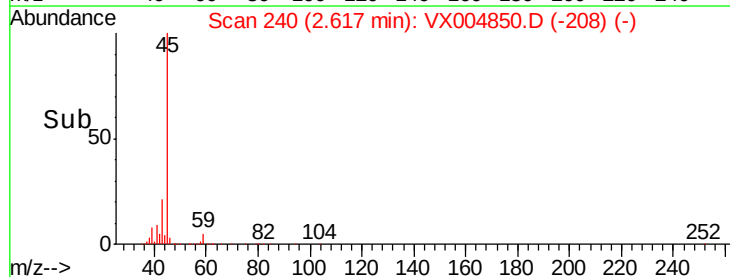
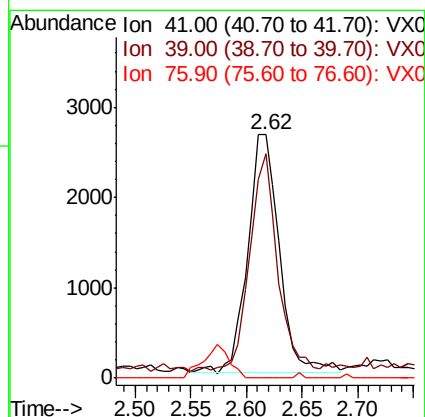
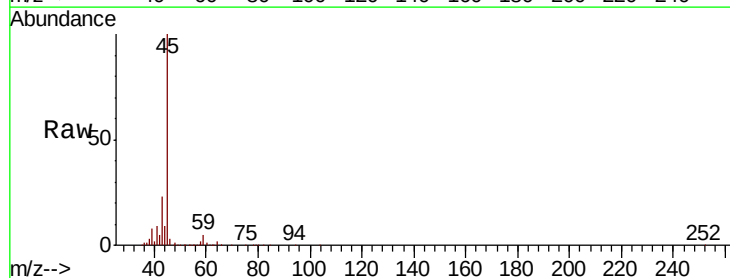
Tgt Ion: 41 Resp: 5270

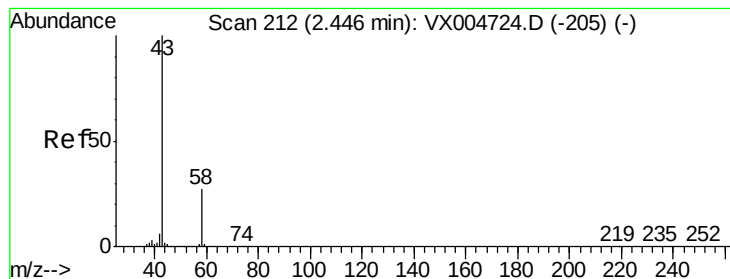
Ion Ratio Lower Upper

41 100

39 77.4 48.9 73.3#

76 0.0 26.7 40.1#





#16

Acetone

Concen: 2.450 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX004850.D

Acq: 29 Sep 2018 04:59

Instrument :

MSVOA_X

ClientSampleId :

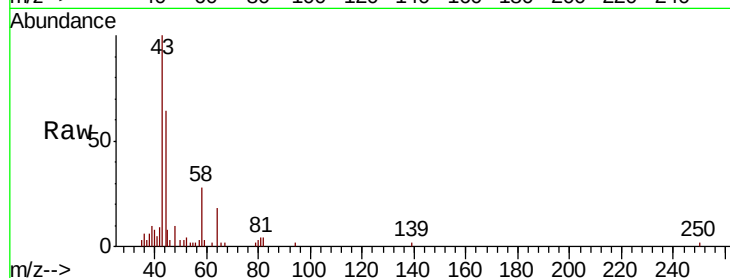
SA-TW503-2125

Tot Ion: 43 Resp: 4727

Ion Ratio Lower Upper

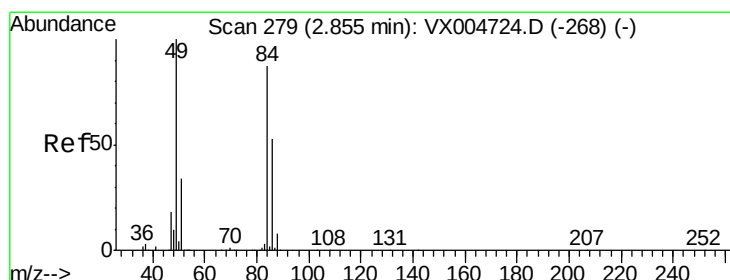
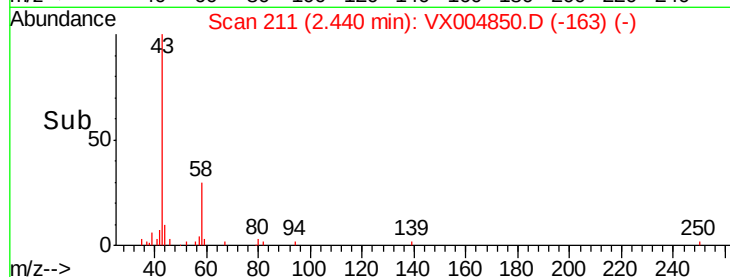
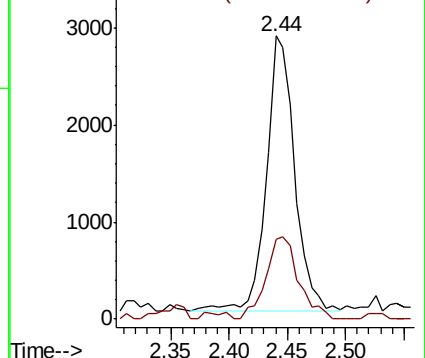
43 100

58 29.3 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX004850.D

Acq: 29 Sep 2018 04:59

Tgt Ion: 84 Resp: 808

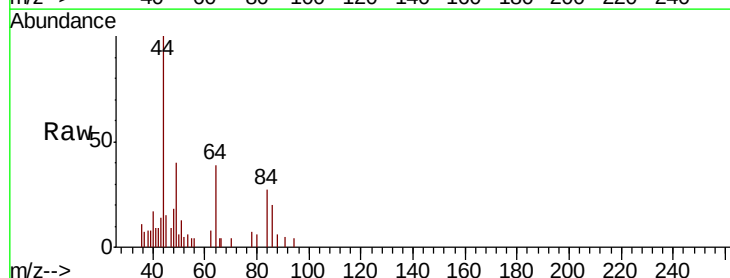
Ion Ratio Lower Upper

84 100

49 129.7 101.2 151.8

51 25.9 29.5 44.3#

86 73.6 52.3 78.5

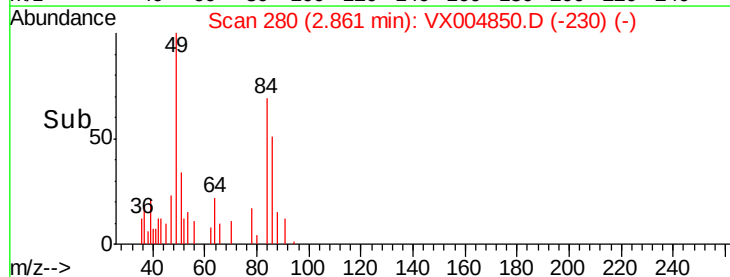
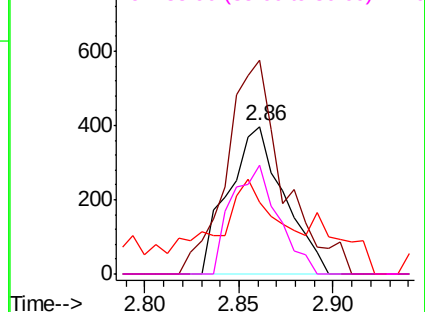


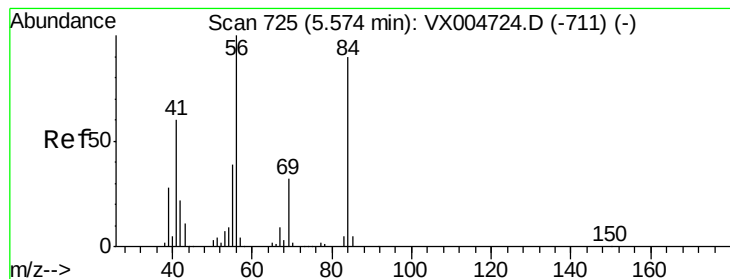
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#31

Cyclohexane

Concen: 1.065 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.08 min

Lab File: VX004850.D

Acq: 29 Sep 2018 04:59

Instrument :

MSVOA_X

ClientSampleId :

SA-TW503-2125

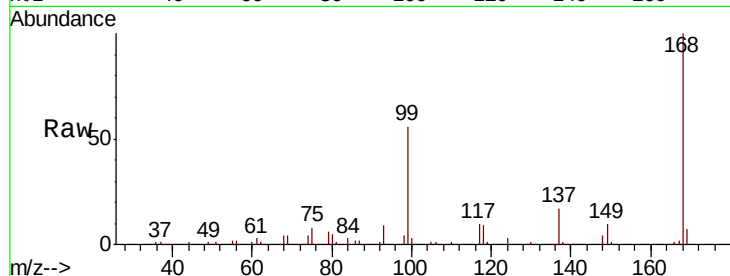
Tot Ion: 56 Resp: 4479

Ion Ratio Lower Upper

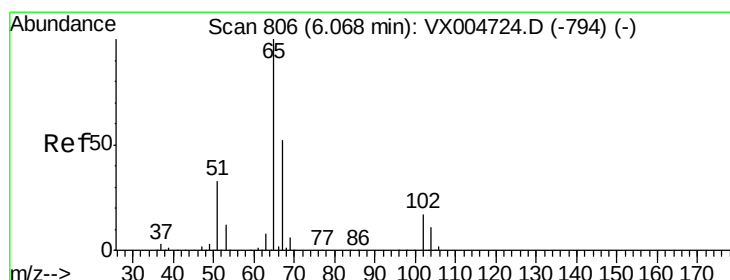
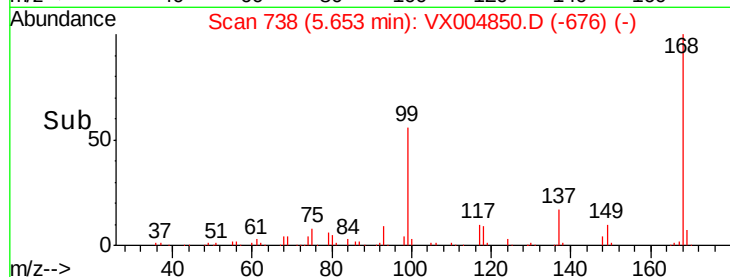
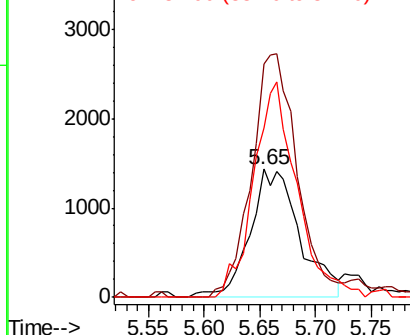
56 100

69 182.5 25.4 38.2#

84 131.8 71.4 107.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 55.141 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX004850.D

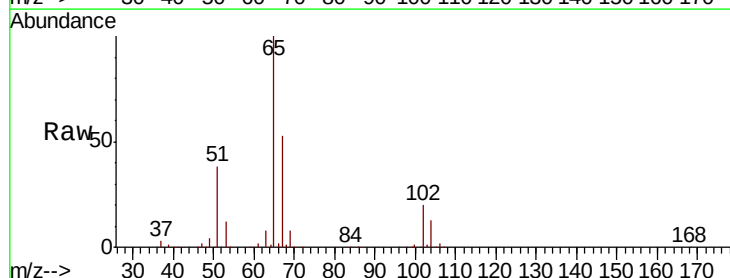
Acq: 29 Sep 2018 04:59

Tgt Ion: 65 Resp: 182209

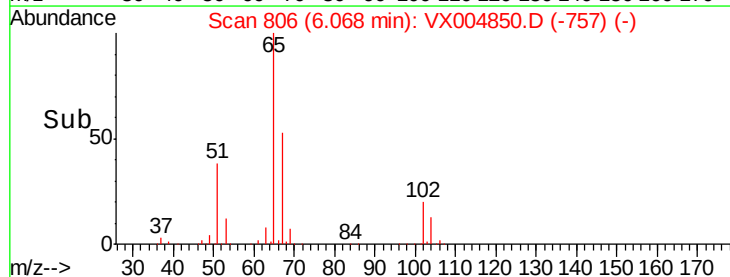
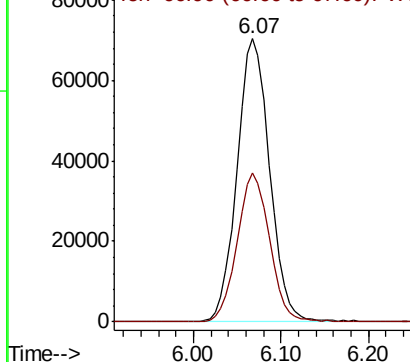
Ion Ratio Lower Upper

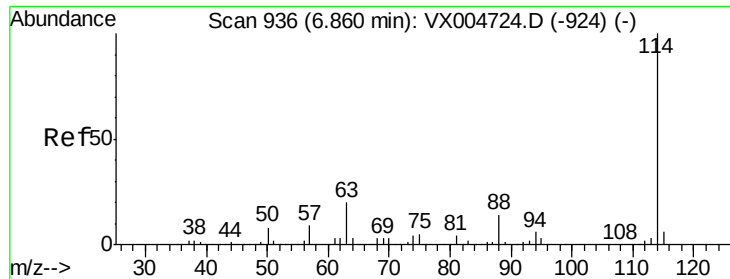
65 100

67 52.6 0.0 106.8



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

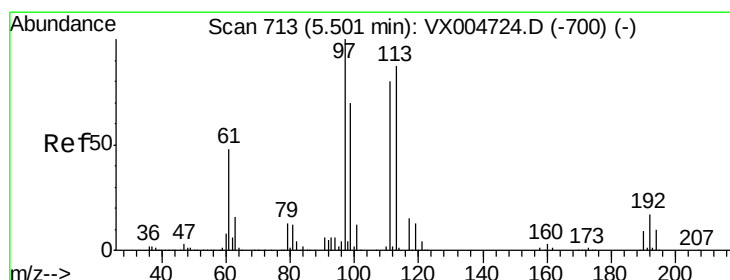
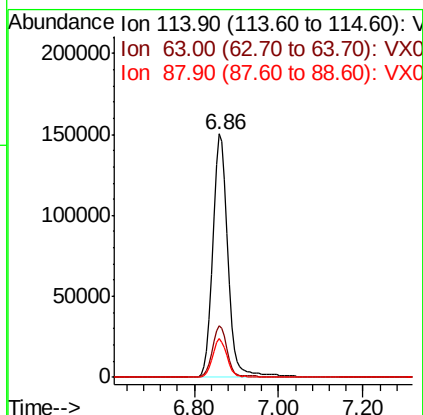
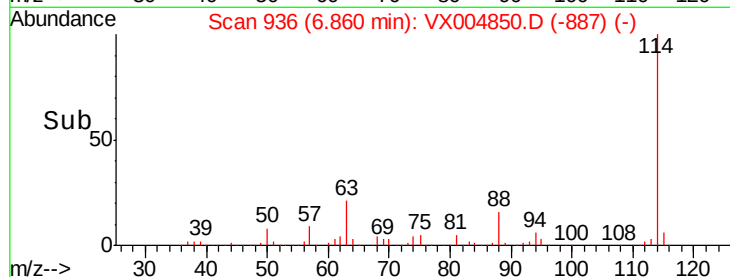
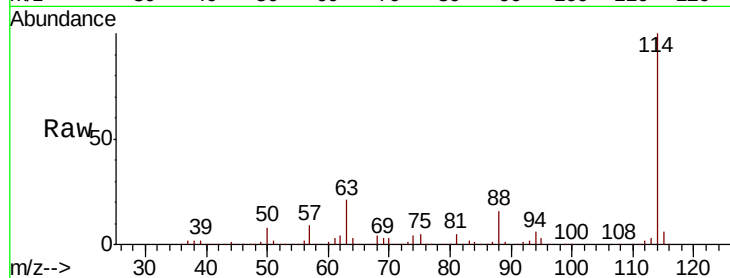




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004850.D
 Acq: 29 Sep 2018 04:59

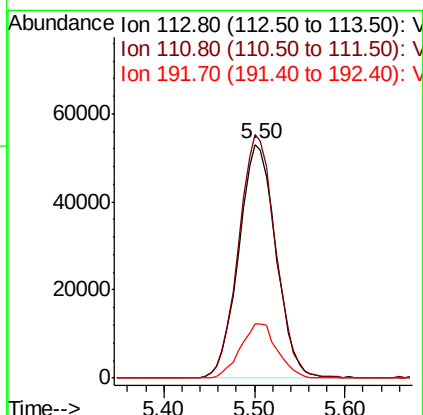
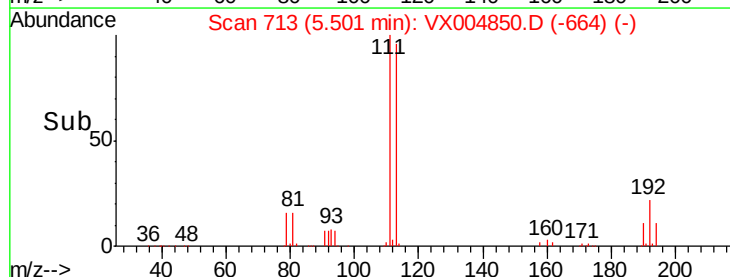
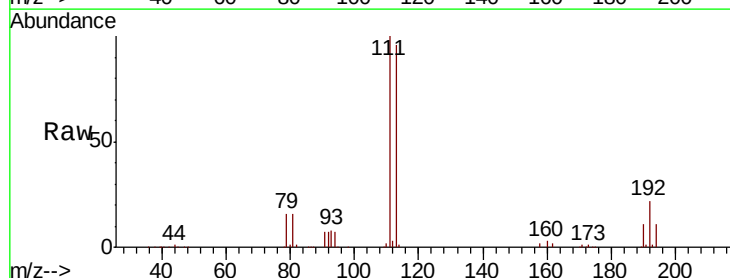
Instrument :
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 SA-TW503-2125

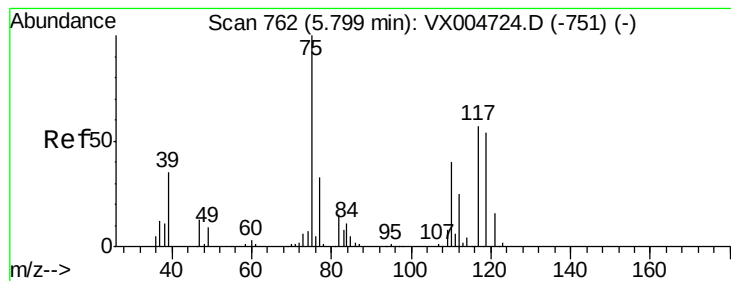
Tot Ion:114 Resp: 377043
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 39.0
 88 15.8 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 47.213 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX004850.D
 Acq: 29 Sep 2018 04:59

Tgt Ion:113 Resp: 150870
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.4 123.6
 192 23.0 19.4 29.2





#36

1,1-Dichloropropene

Concen: 3.644 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX004850.D

Acq: 29 Sep 2018 04:59

Instrument :

MSVOA_X

ClientSampleId :

SA-TW503-2125

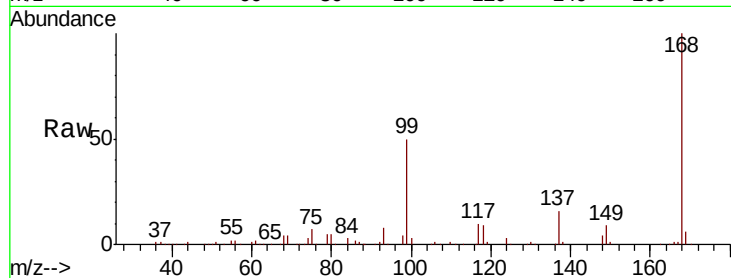
Tot Ion: 75 Resp: 15889

Ion Ratio Lower Upper

75 100

110 9.8 18.0 54.0#

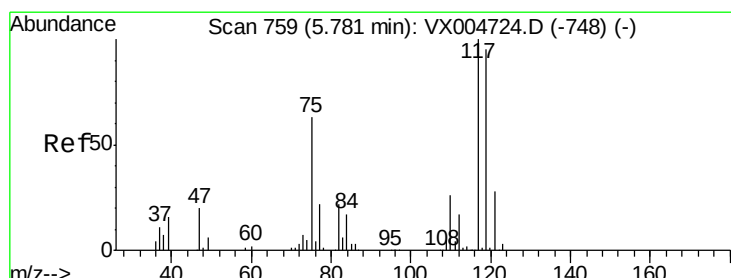
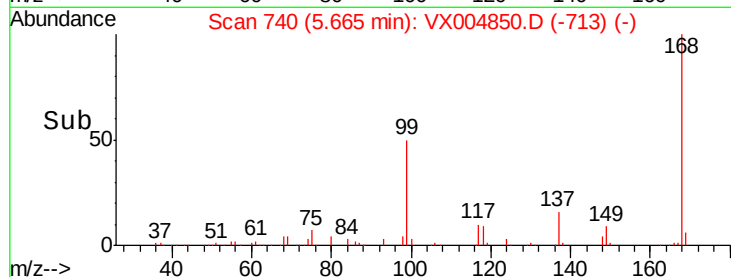
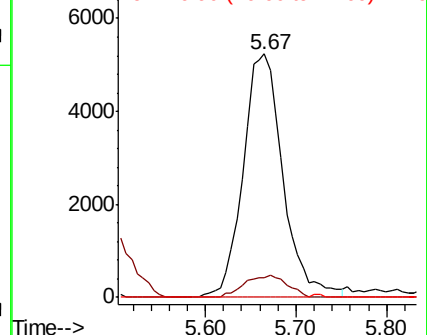
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 4.651 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX004850.D

Acq: 29 Sep 2018 04:59

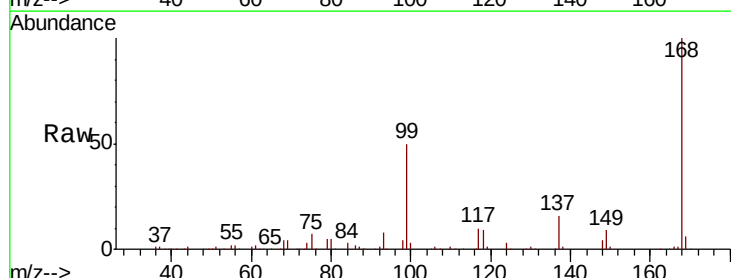
Tgt Ion: 117 Resp: 21315

Ion Ratio Lower Upper

117 100

119 6.0 78.8 118.2#

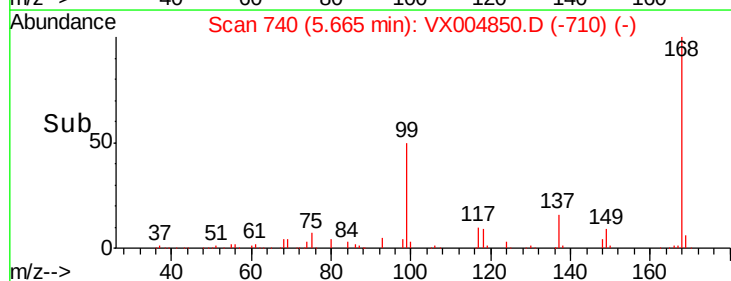
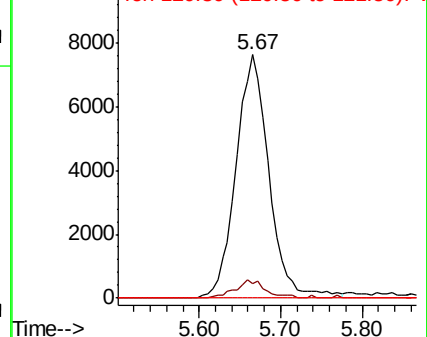
121 0.0 24.9 37.3#

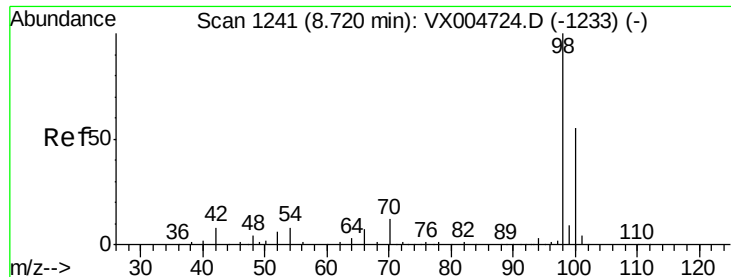


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

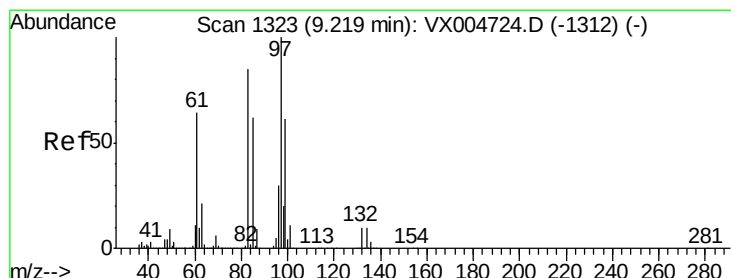
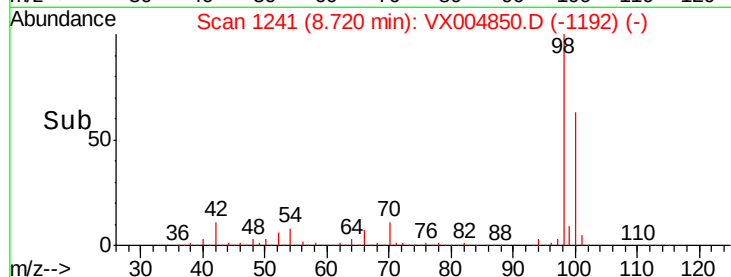
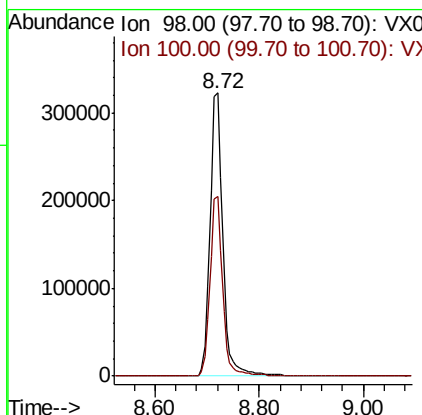
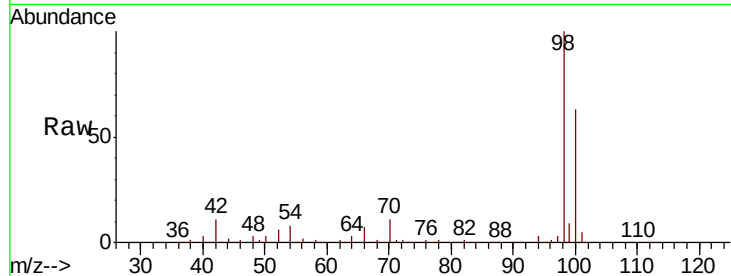




#50
Toluene-d8
Concen: 52.062 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX004850.D
Acq: 29 Sep 2018 04:59

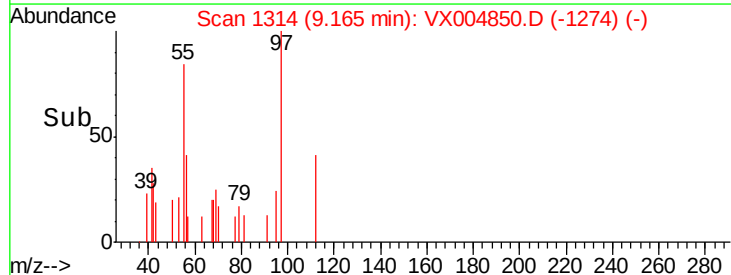
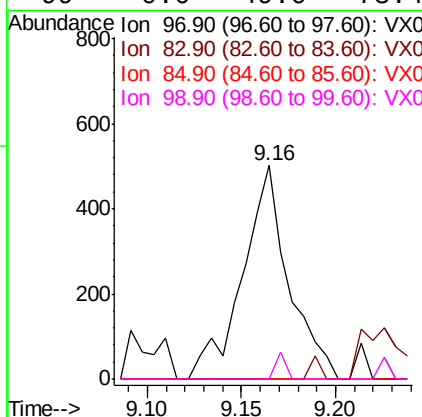
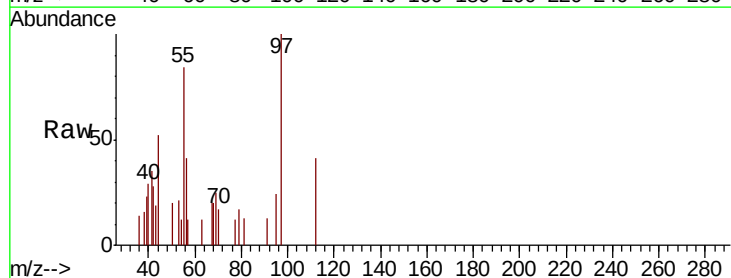
Instrument :
MSVOA_X
ClientSampleId :
SA-TW503-2125

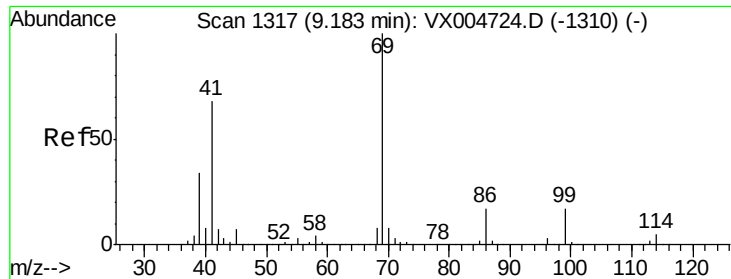
Tot Ion: 98 Resp: 553079
Ion Ratio Lower Upper
98 100
100 63.1 52.9 79.3



#55
1,1,2-Trichloroethane
Concen: 0.258 ug/l
RT: 9.16 min Scan# 1314
Delta R.T. -0.05 min
Lab File: VX004850.D
Acq: 29 Sep 2018 04:59

Tgt Ion: 97 Resp: 847
Ion Ratio Lower Upper
97 100
83 0.0 66.4 99.6#
85 0.0 43.3 64.9#
99 0.0 49.0 73.4#





#56

Ethyl methacrylate

Concen: 2.893 ug/l

RT: 9.16 min Scan# 1313

Delta R.T. -0.02 min

Lab File: VX004850.D

Acq: 29 Sep 2018 04:59

Instrument :

MSVOA_X

ClientSampleId :

SA-TW503-2125

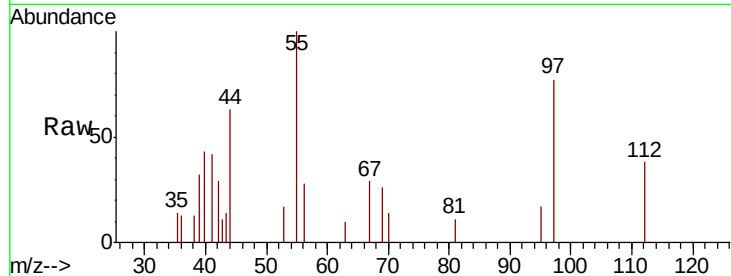
Tot Ion: 69 Resp: 175

Ion Ratio Lower Upper

69 100

41 200.6 51.0 76.4#

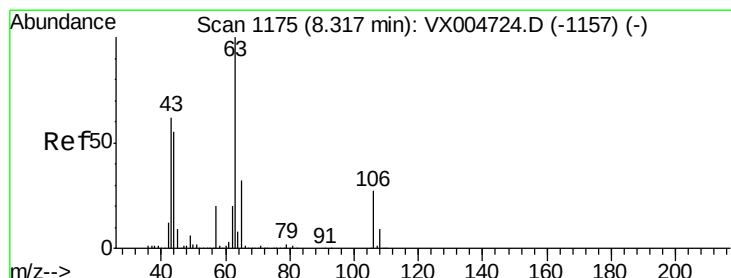
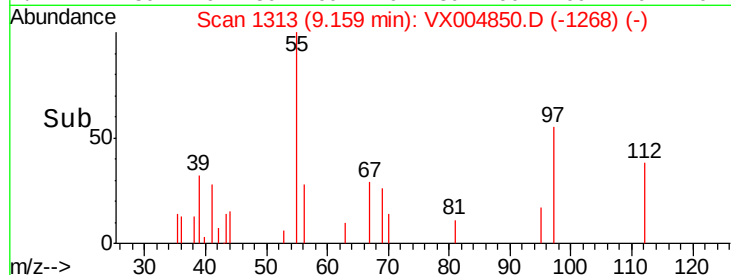
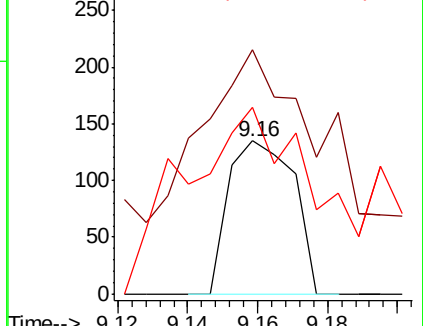
39 241.7 26.1 39.1#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 14.250 ug/l

RT: 8.43 min Scan# 1193

Delta R.T. 0.11 min

Lab File: VX004850.D

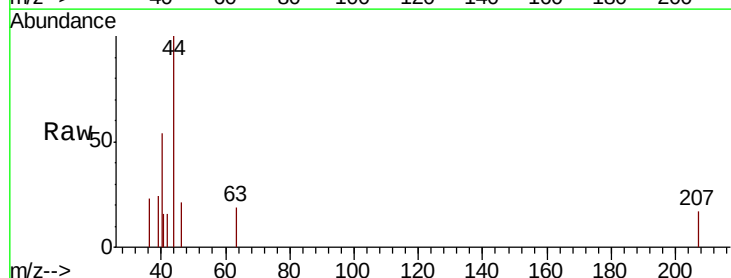
Acq: 29 Sep 2018 04:59

Tgt Ion: 63 Resp: 23

Ion Ratio Lower Upper

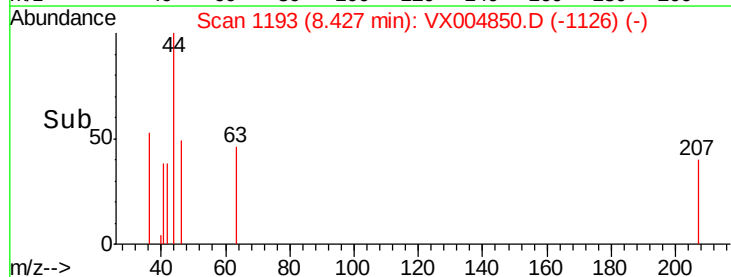
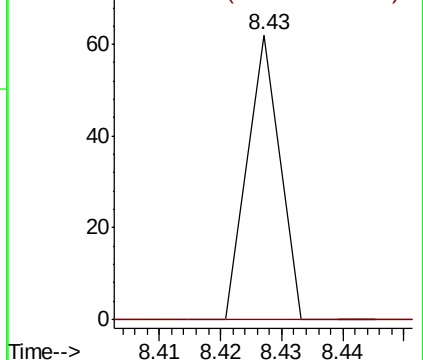
63 100

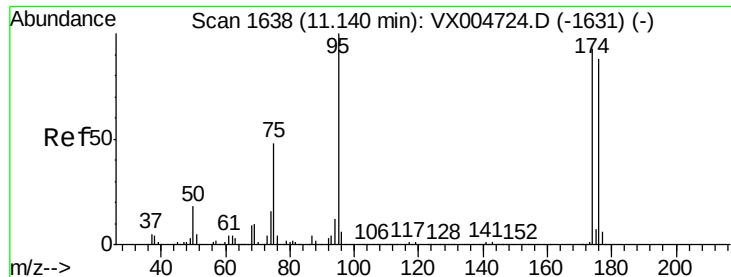
106 0.0 23.9 35.9#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





#62

4-Bromofluorobenzene

Concen: 52.817 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004850.D

Acq: 29 Sep 2018 04:59

Instrument :

MSVOA_X

ClientSampleId :

SA-TW503-2125

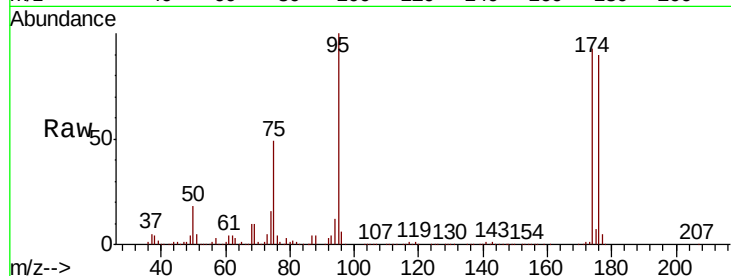
Tot Ion: 95 Resp: 202138

Ion Ratio Lower Upper

95 100

174 91.1 0.0 185.2

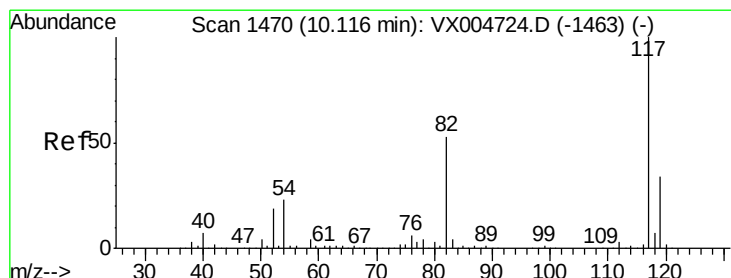
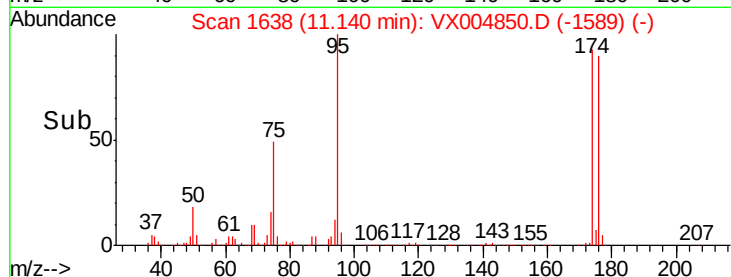
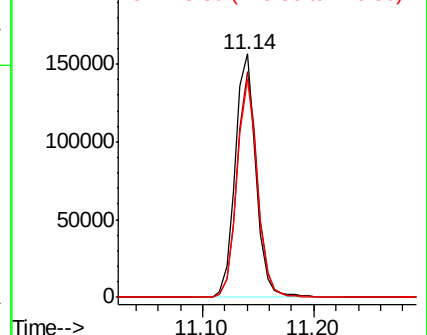
176 88.1 0.0 178.6



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) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX004850.D

Acq: 29 Sep 2018 04:59

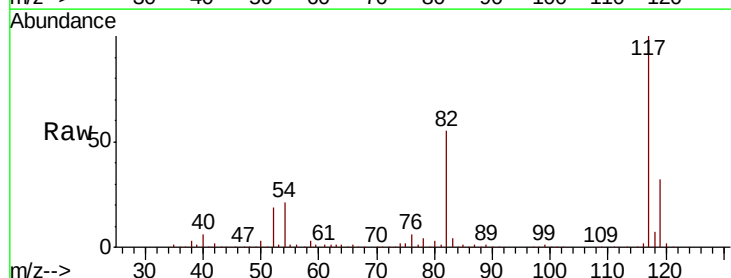
Tgt Ion: 117 Resp: 373584

Ion Ratio Lower Upper

117 100

82 54.6 47.8 71.6

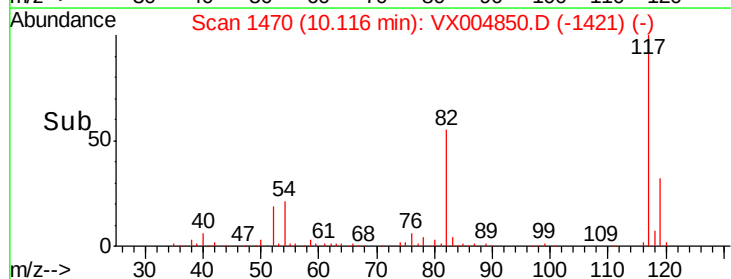
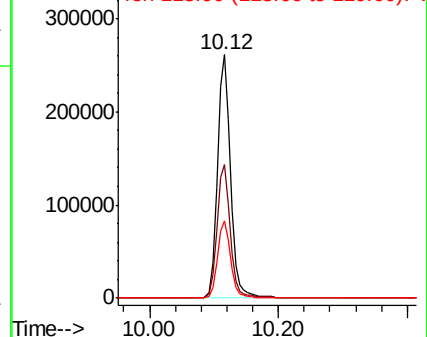
119 31.9 29.3 43.9

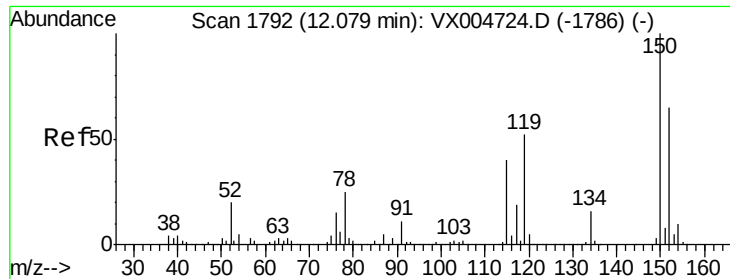


Abundance Ion 116.90 (116.60 to 117.60): VX004724.D (-1463) (-)

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

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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004850.D

Acq: 29 Sep 2018 04:59

Instrument :

MSVOA_X

ClientSampleId :

SA-TW503-2125

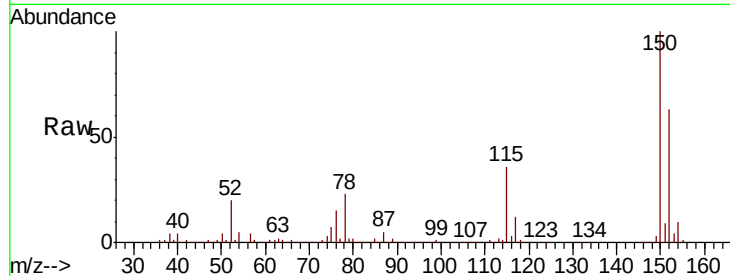
Tot Ion:152 Resp: 207943

Ion Ratio Lower Upper

152 100

115 55.2 39.0 117.0

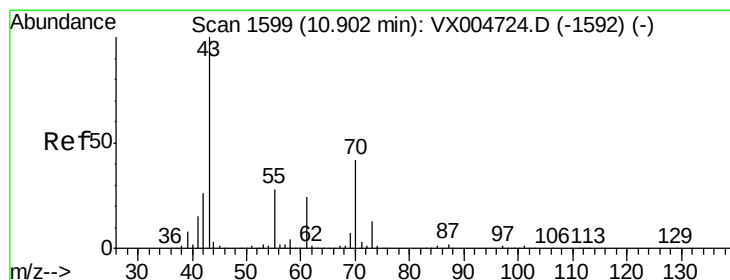
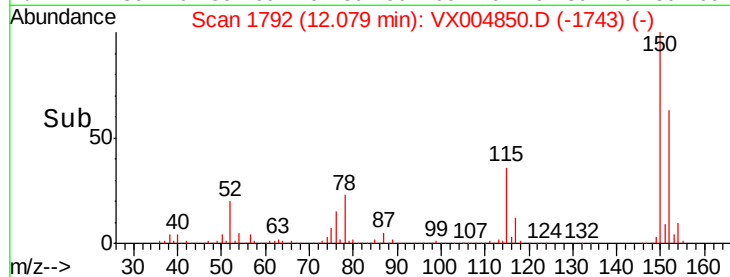
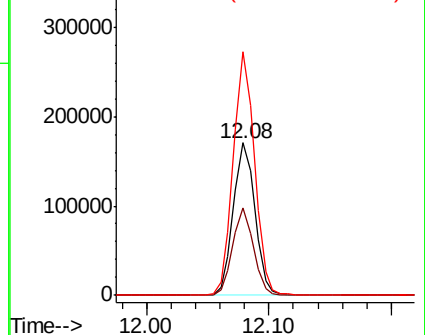
150 156.8 0.0 351.0



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-amyl acetate

Concen: 1.796 ug/l

RT: 10.92 min Scan# 1602

Delta R.T. 0.02 min

Lab File: VX004850.D

Acq: 29 Sep 2018 04:59

Tgt Ion: 43 Resp: 358

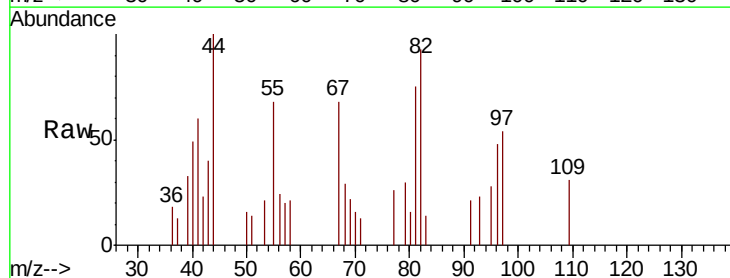
Ion Ratio Lower Upper

43 100

70 57.8 37.4 56.0#

55 130.4 21.8 32.8#

61 0.0 20.6 30.8#

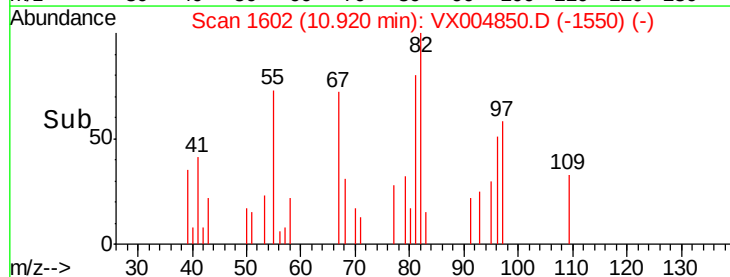
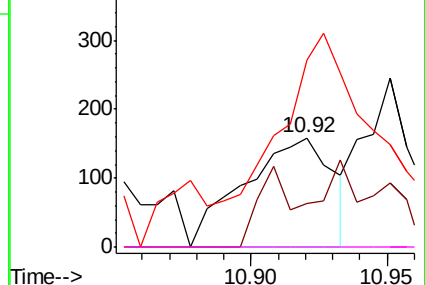


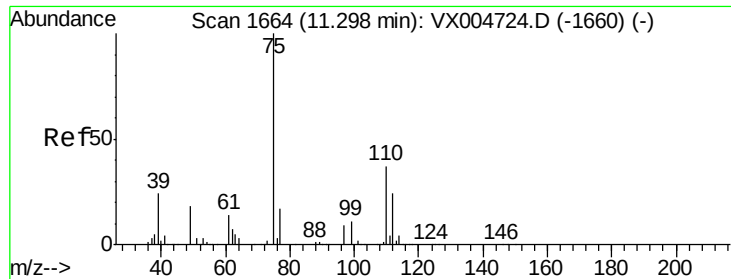
Abundance Ion 43.00 (42.70 to 43.70): VX0

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

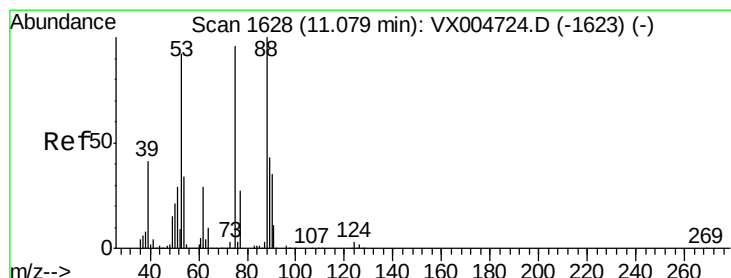
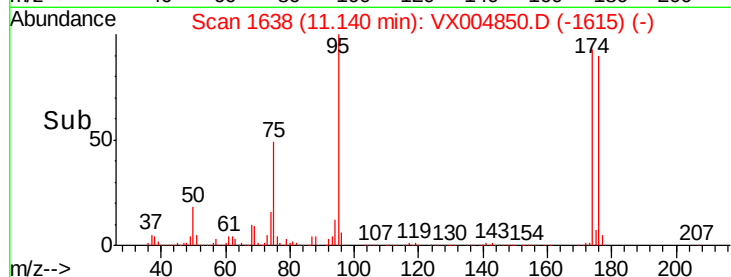
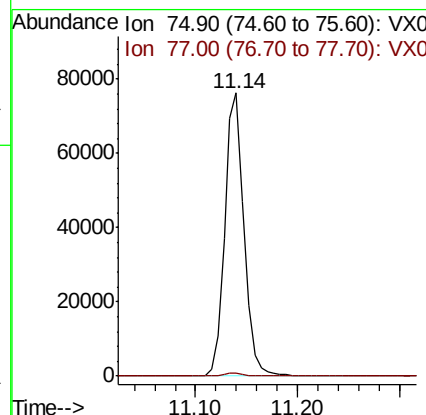
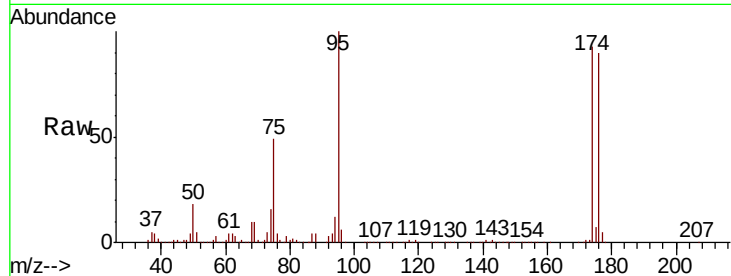




#76
 1,2,3-Trichloropropane
 Concen: 21.524 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX004850.D
 Acq: 29 Sep 2018 04:59

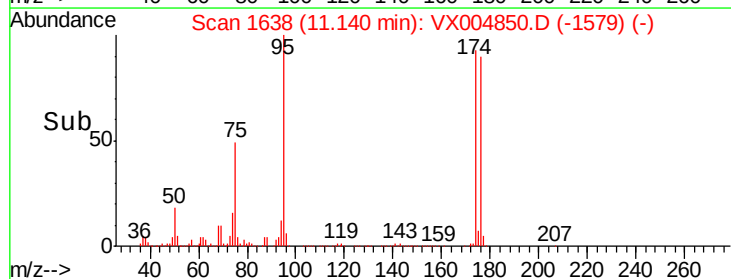
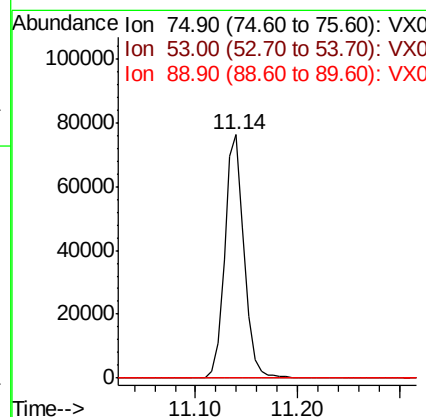
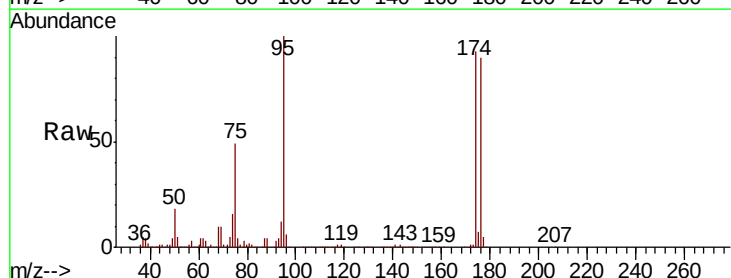
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW503-2125

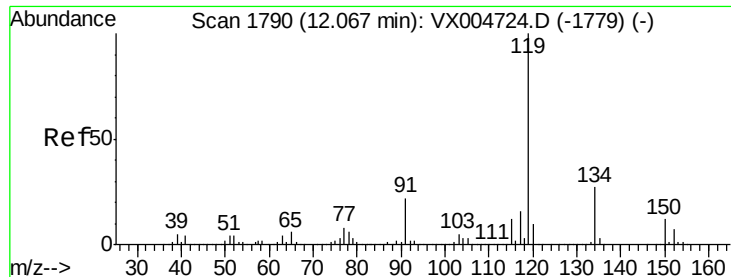
Tot Ion: 75 Resp: 100317
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.2 60.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.357 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.06 min
 Lab File: VX004850.D
 Acq: 29 Sep 2018 04:59

Tgt Ion: 75 Resp: 100317
 Ion Ratio Lower Upper
 75 100
 53 0.3 80.1 120.1#
 89 0.0 37.2 55.8#

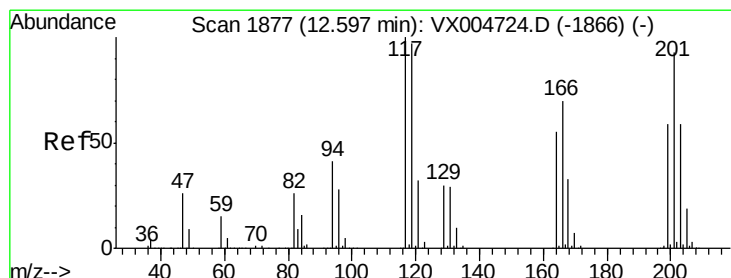
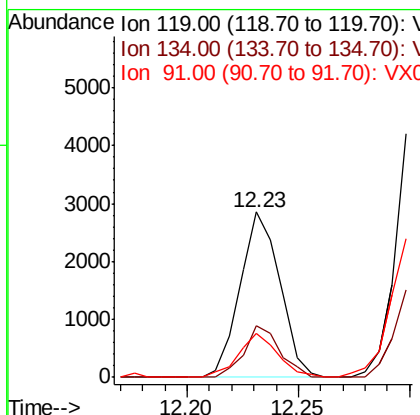
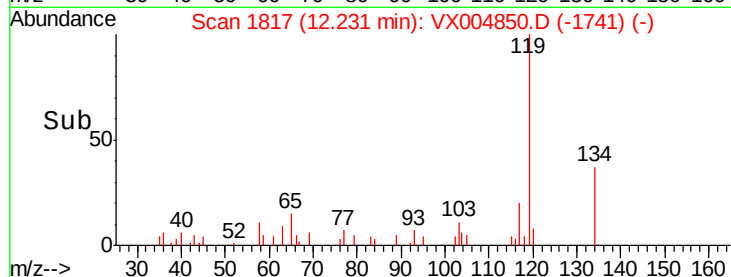
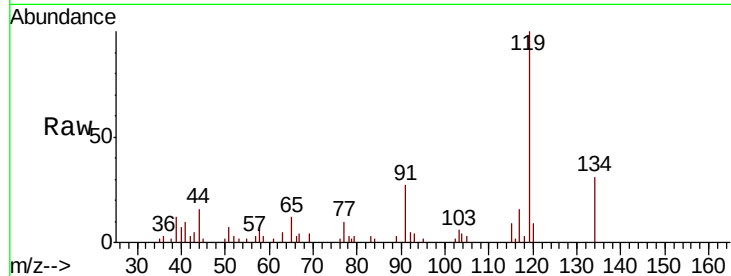




#86
p-Isopropyltoluene
Concen: 0.300 ug/l
RT: 12.23 min Scan# 1817
Delta R.T. 0.16 min
Lab File: VX004850.D
Acq: 29 Sep 2018 04:59

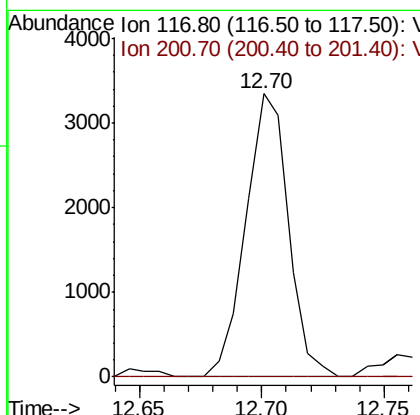
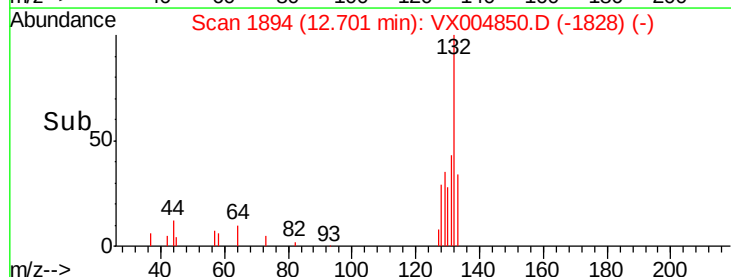
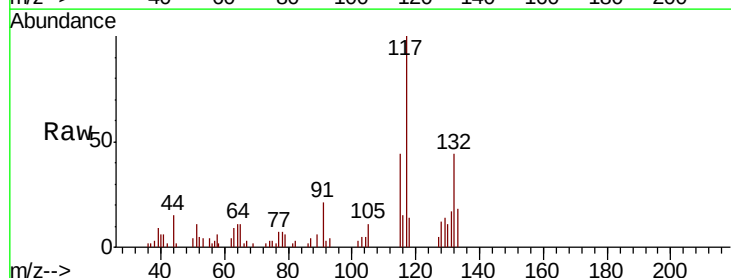
Instrument :
MSVOA_X
ClientSampleId :
SA-TW503-2125

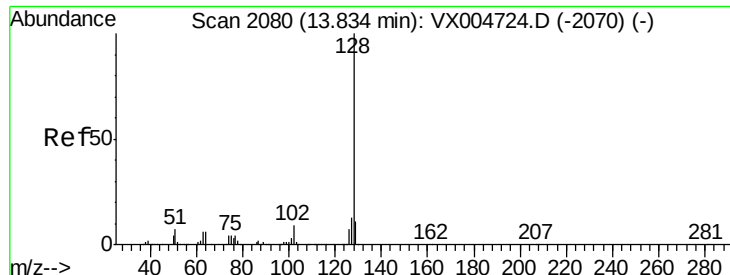
Tot Ion:119 Resp: 3568
Ion Ratio Lower Upper
119 100
134 28.0 13.4 40.2
91 26.6 10.9 32.7



#90
Hexachloroethane
Concen: 2.053 ug/l
RT: 12.70 min Scan# 1894
Delta R.T. 0.10 min
Lab File: VX004850.D
Acq: 29 Sep 2018 04:59

Tgt Ion:117 Resp: 4070
Ion Ratio Lower Upper
117 100
201 0.0 46.9 140.6#





#95

Naphthalene

Concen: 0.763 ug/l

RT: 13.84 min Scan# 2081

Delta R.T. 0.01 min

Lab File: VX004850.D

Acq: 29 Sep 2018 04:59

Instrument :

MSVOA_X

ClientSampleId :

SA-TW503-2125

Tot Ion:128 Resp: 770

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 10.9 8.6 12.8

