

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092818\
 Data File : VX004842.D
 Acq On : 29 Sep 2018 01:26
 Operator : JC/MD
 Sample : J5134-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW504-2125

Quant Time: Sep 29 06:37:23 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	238680	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	386014	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	377648	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	212144	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	190506	55.87	ug/l	0.00
Spiked Amount						
			Recovery	=	111.74%	
35) Dibromofluoromethane	5.50	113	162446	49.65	ug/l	0.00
Spiked Amount						
			Recovery	=	99.30%	
50) Toluene-d8	8.72	98	561995	51.67	ug/l	0.00
Spiked Amount						
			Recovery	=	103.34%	
62) 4-Bromofluorobenzene	11.14	95	202986	51.81	ug/l	0.00
Spiked Amount						
			Recovery	=	103.62%	

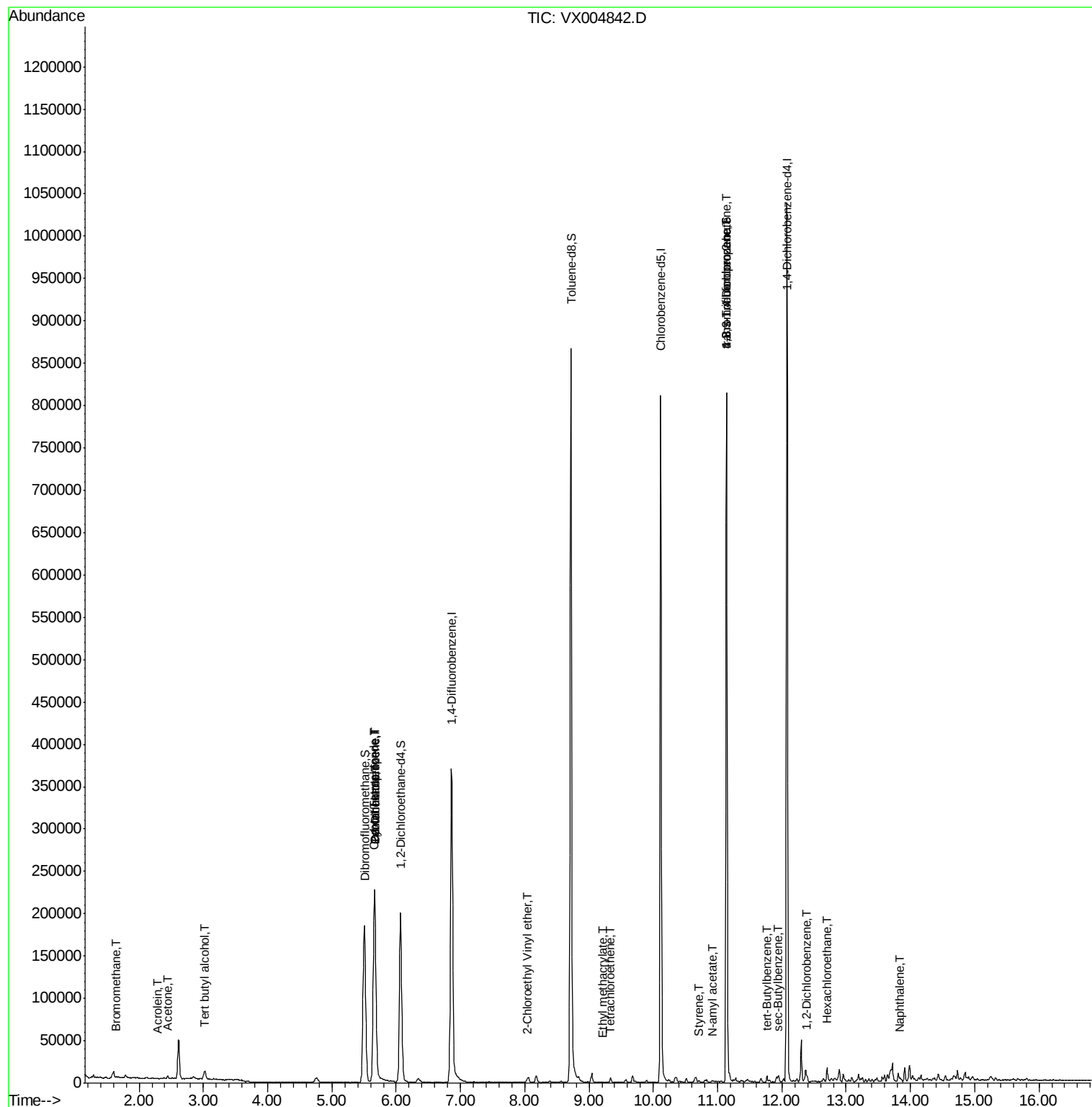
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	497	0.226	ug/l #	80
6) Chloroethane	1.62	64	2585	Below Cal	#	59
11) Tert butyl alcohol	3.01	59	6478	6.795	ug/l #	76
13) Acrolein	2.29	56	219	0.323	ug/l #	20
16) Acetone	2.45	43	3938	1.978	ug/l	97
20) Methylene Chloride	2.85	84	263	Below Cal	#	47
31) Cyclohexane	5.67	56	4873	1.123	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	16656	3.732	ug/l #	49
38) Carbon Tetrachloride	5.65	117	22247	4.741	ug/l #	15
56) Ethyl methacrylate	9.23	69	166	2.891	ug/l #	49
58) 2-Chloroethyl Vinyl ether	8.04	63	19	14.248	ug/l #	45
64) Tetrachloroethene	9.34	164	833	0.224	ug/l	92
70) Styrene	10.71	104	102	2.150	ug/l #	11
74) N-amyl acetate	10.91	43	221	1.777	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	101257	21.295	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	249	Below Cal		72
81) trans-1,4-Dichloro-2-buten	11.14	75	101257	57.759	ug/l #	10
83) tert-Butylbenzene	11.77	119	2462	0.224	ug/l	73
84) 1,2,4-Trimethylbenzene	11.81	105	648	Below Cal		94
85) sec-Butylbenzene	11.94	105	3334	0.249	ug/l	100
90) Hexachloroethane	12.70	117	4317	2.134	ug/l #	3
91) 1,2-Dichlorobenzene	12.40	146	1784	0.235	ug/l	88
95) Naphthalene	13.83	128	2865	0.880	ug/l #	83

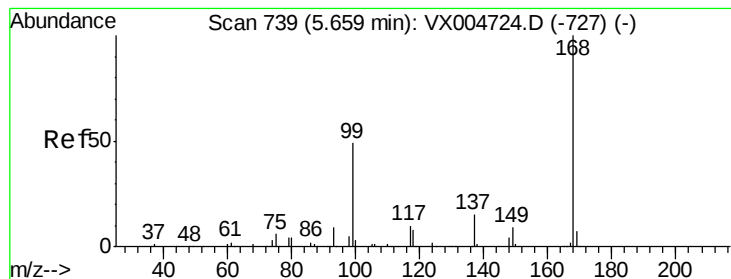
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX092818\
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Instrument :
MSVOA_X
ClientSampled :
SA-TW504-2125

Quant Time: Sep 29 06:37:23 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 26 14:17:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004842.D

Acq: 29 Sep 2018 01:26

Instrument :

MSVOA_X

ClientSampleId :

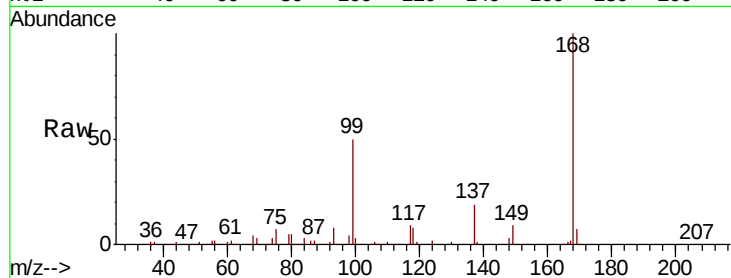
SA-TW504-2125

Tot Ion:168 Resp: 238680

Ion Ratio Lower Upper

168 100

99 49.9 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

80000

60000

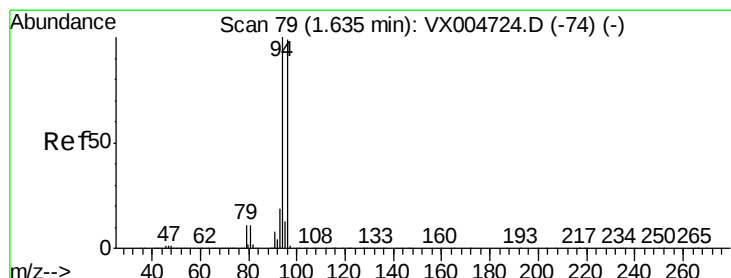
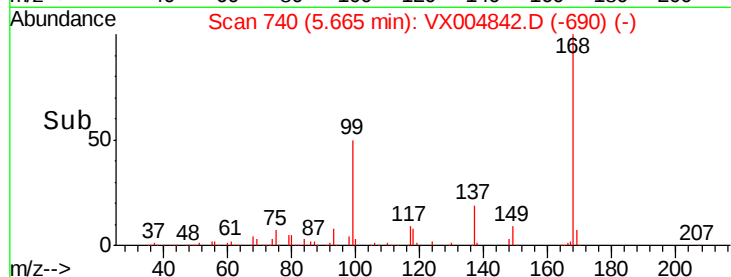
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#5

Bromomethane

Concen: 0.226 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX004842.D

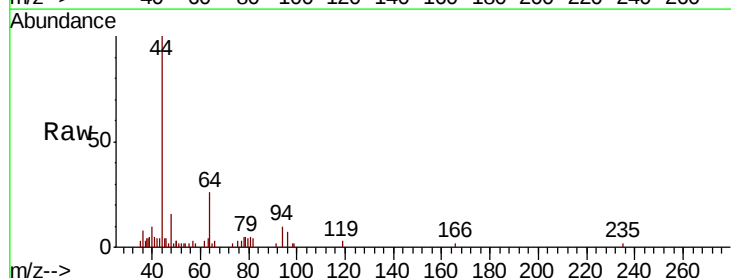
Acq: 29 Sep 2018 01:26

Tgt Ion: 94 Resp: 497

Ion Ratio Lower Upper

94 100

96 74.1 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

300

250

200

150

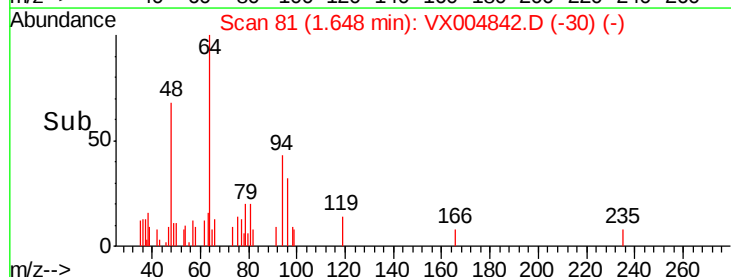
100

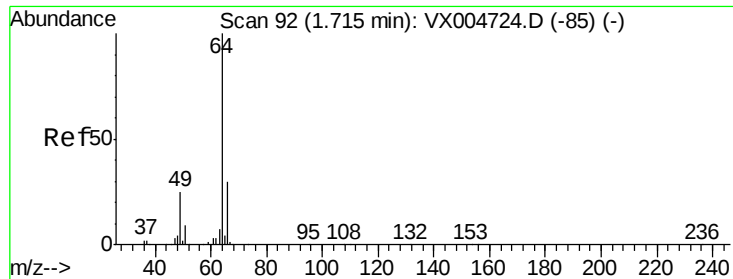
50

0

1.60 1.65 1.70

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.62 min Scan# 77

Delta R.T. -0.09 min

Lab File: VX004842.D

Acq: 29 Sep 2018 01:26

Instrument :

MSVOA_X

ClientSampleId :

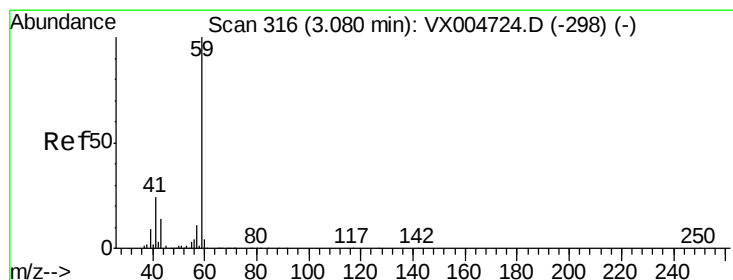
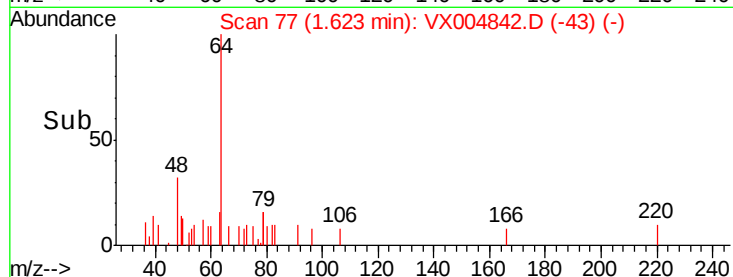
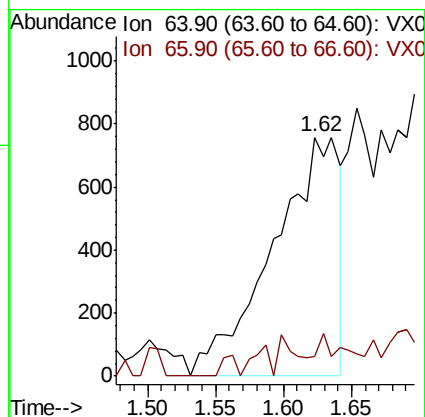
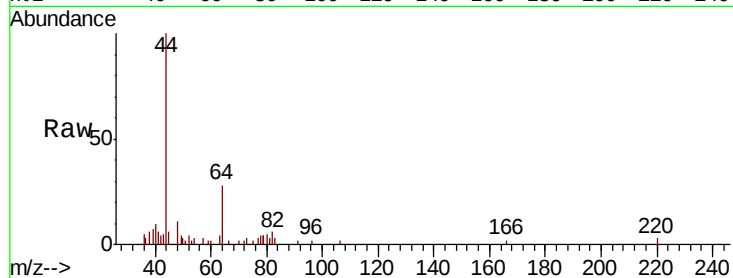
SA-TW504-2125

Tot Ion: 64 Resp: 2585

Ion Ratio Lower Upper

64 100

66 8.3 24.6 36.8#



#11

Tert butyl alcohol

Concen: 6.795 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.07 min

Lab File: VX004842.D

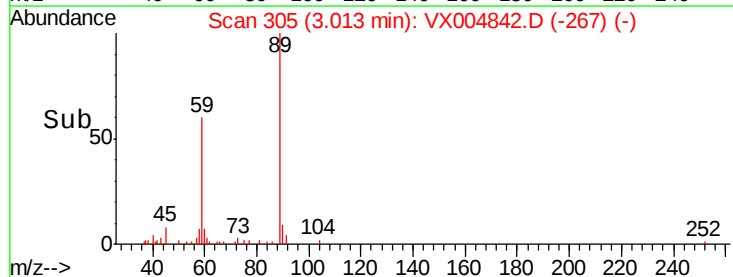
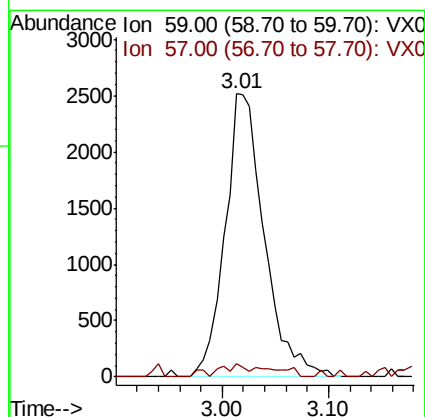
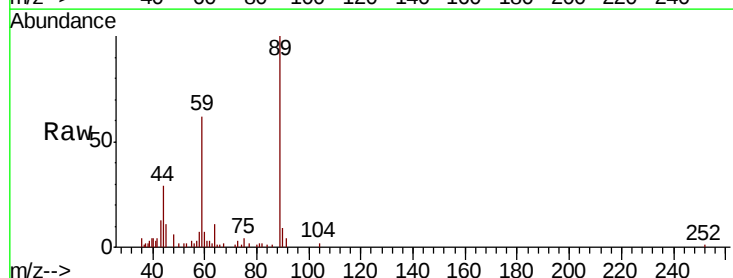
Acq: 29 Sep 2018 01:26

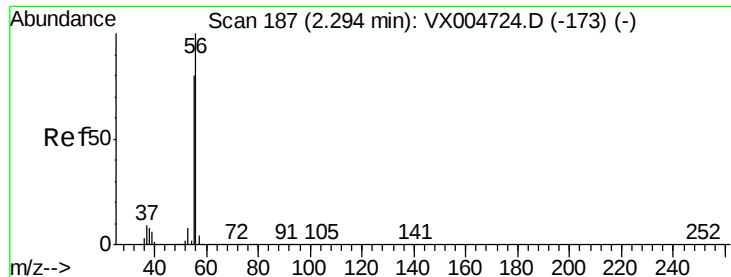
Tgt Ion: 59 Resp: 6478

Ion Ratio Lower Upper

59 100

57 1.2 8.2 12.4#





#13

Acrolein

Concen: 0.323 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX004842.D

Acq: 29 Sep 2018 01:26

Instrument :

MSVOA_X

ClientSampleId :

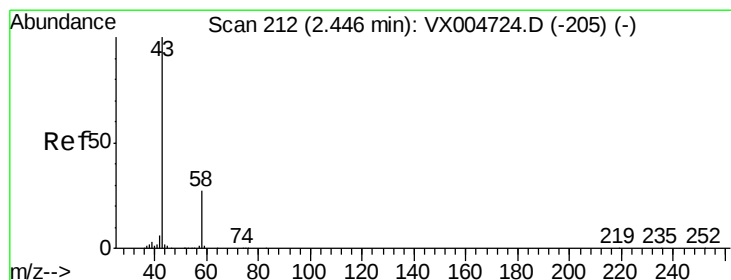
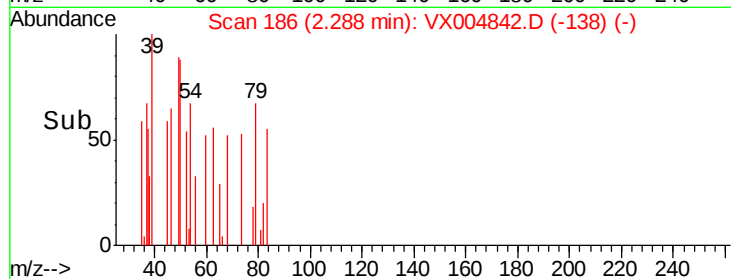
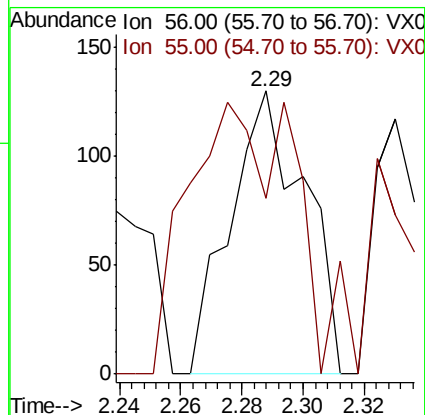
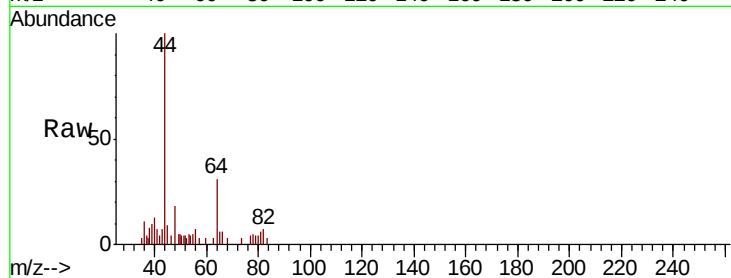
SA-TW504-2125

Tot Ion: 56 Resp: 219

Ion Ratio Lower Upper

56 100

55 132.9 54.7 82.1#



#16

Acetone

Concen: 1.978 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004842.D

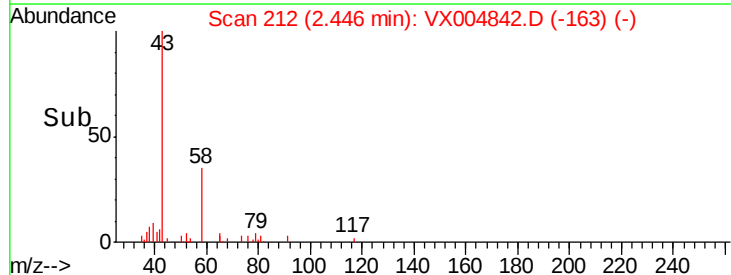
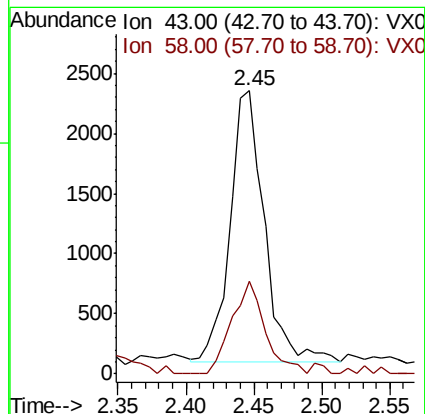
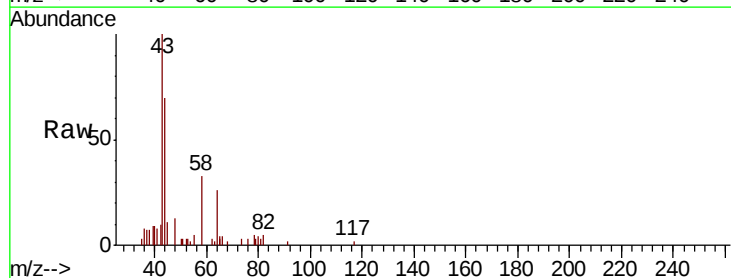
Acq: 29 Sep 2018 01:26

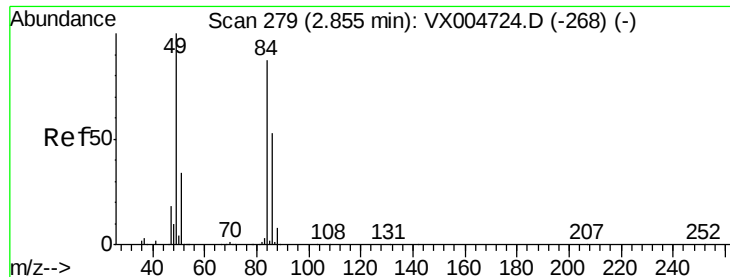
Tgt Ion: 43 Resp: 3938

Ion Ratio Lower Upper

43 100

58 34.3 26.2 39.4

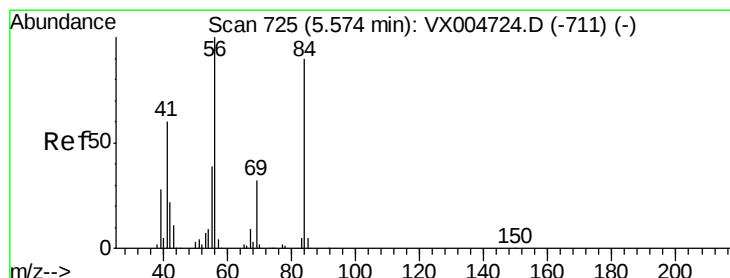
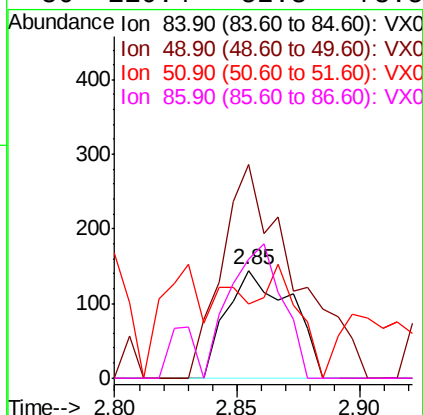
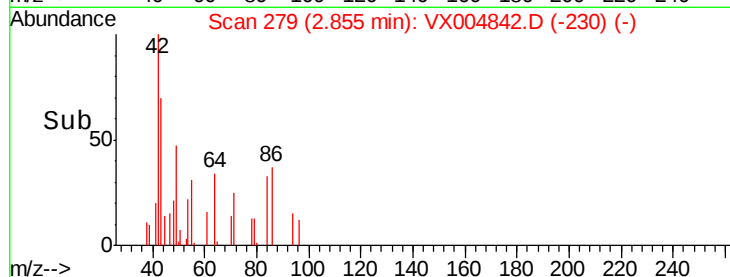
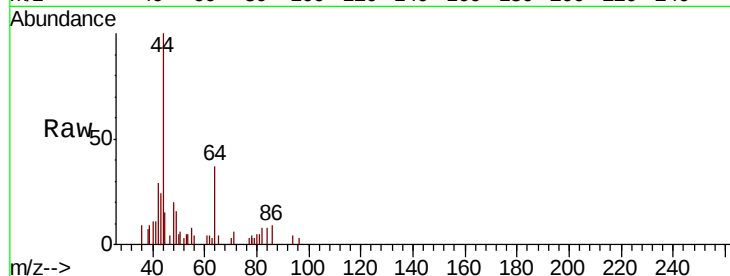




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004842.D
Acq: 29 Sep 2018 01:26

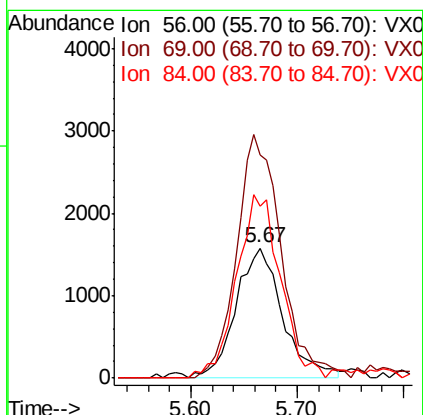
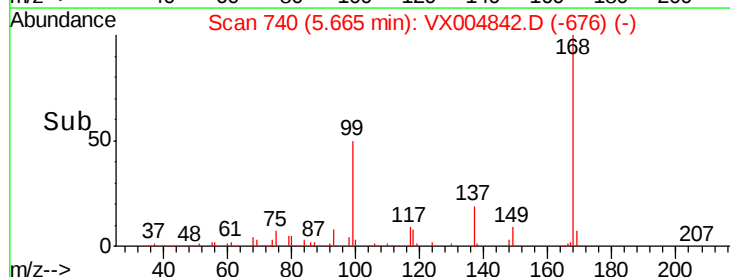
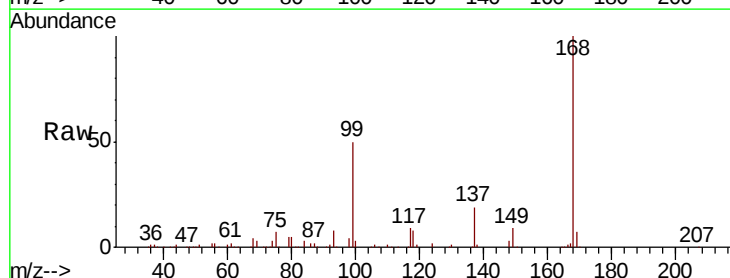
Instrument :
MSVOA_X
ClientSampleId :
SA-TW504-2125

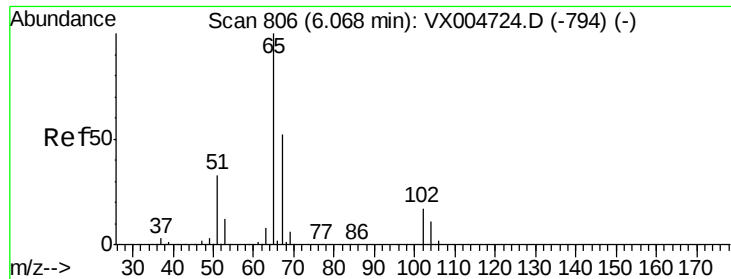
Tot Ion: 84 Resp: 263
Ion Ratio Lower Upper
84 100
49 198.6 101.2 151.8#
51 29.9 29.5 44.3
86 110.4 52.3 78.5#



#31
Cyclohexane
Concen: 1.123 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX004842.D
Acq: 29 Sep 2018 01:26

Tgt Ion: 56 Resp: 4873
Ion Ratio Lower Upper
56 100
69 171.4 25.4 38.2#
84 131.7 71.4 107.2#

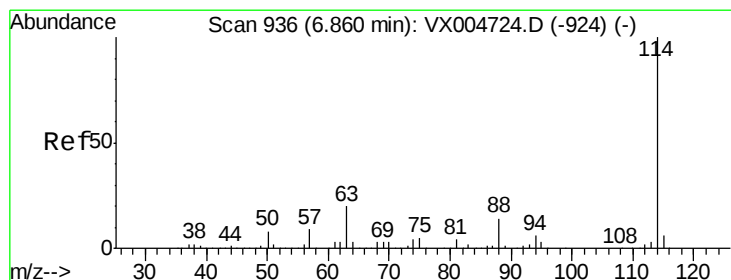
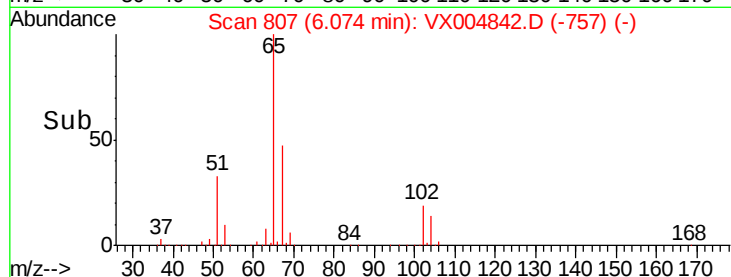
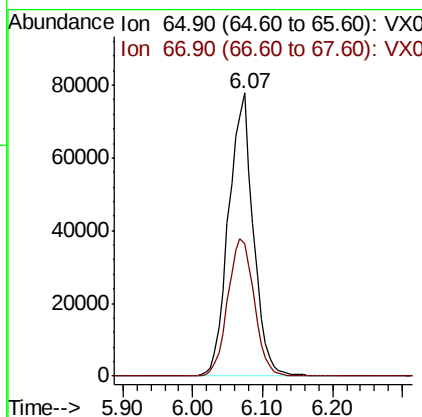
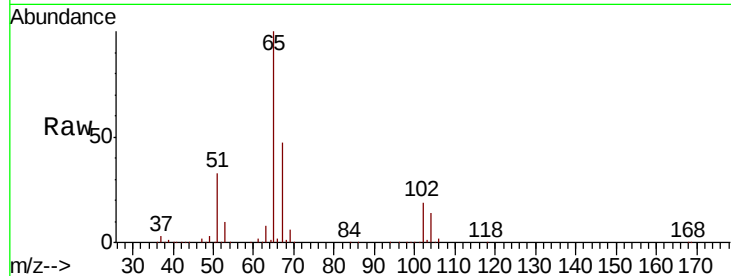




#33
 1,2-Dichloroethane-d4
 Concen: 55.874 ug/l
 RT: 6.07 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX004842.D
 Acq: 29 Sep 2018 01:26

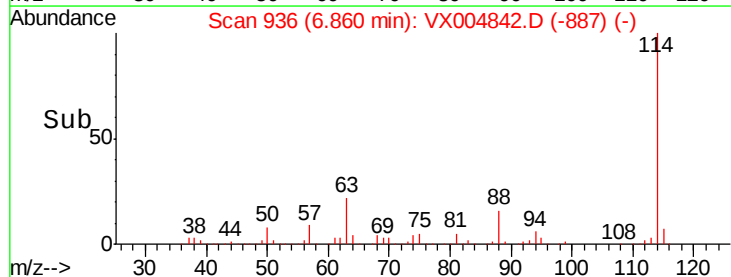
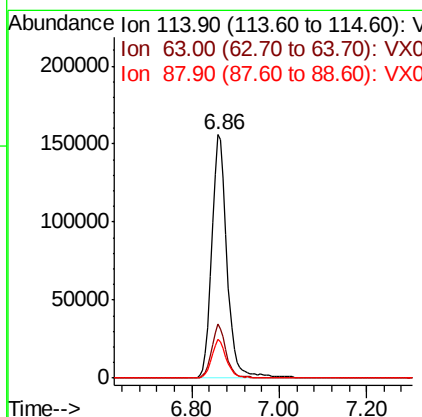
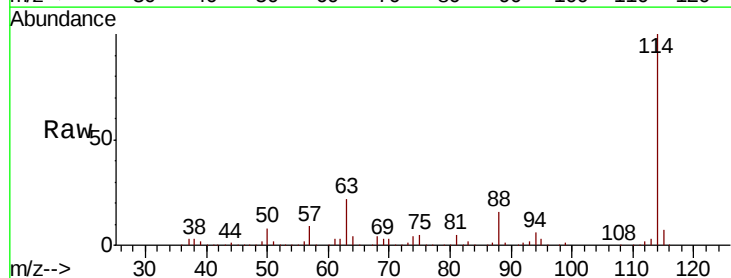
Instrument :
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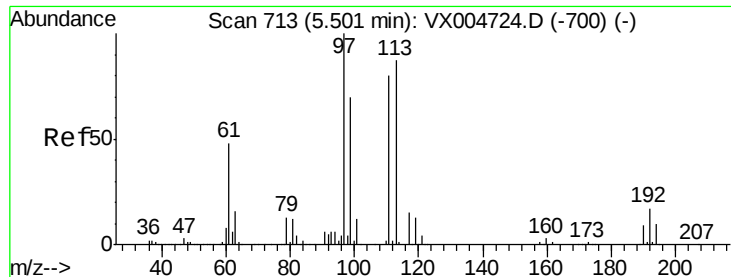
Tot Ion: 65 Resp: 190506
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004842.D
 Acq: 29 Sep 2018 01:26

Tgt Ion: 114 Resp: 386014
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 39.0
 88 15.8 0.0 30.4

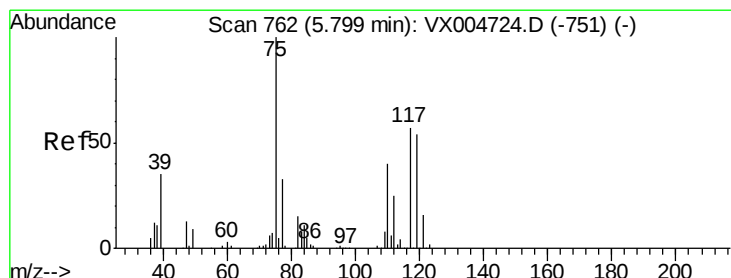
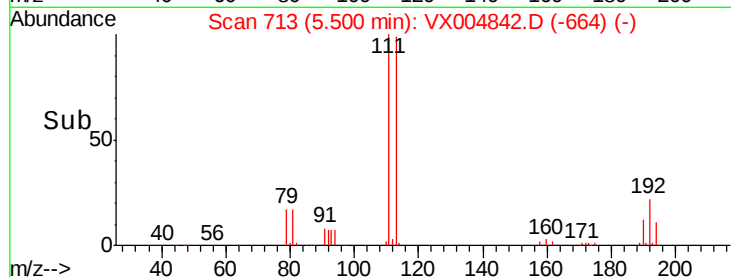
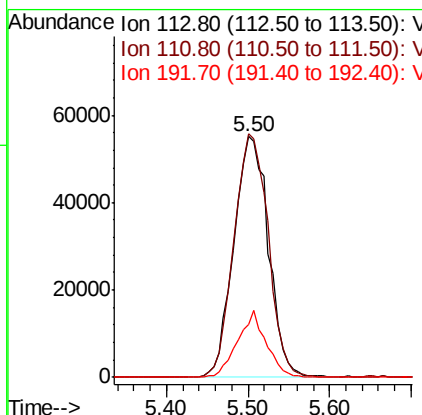
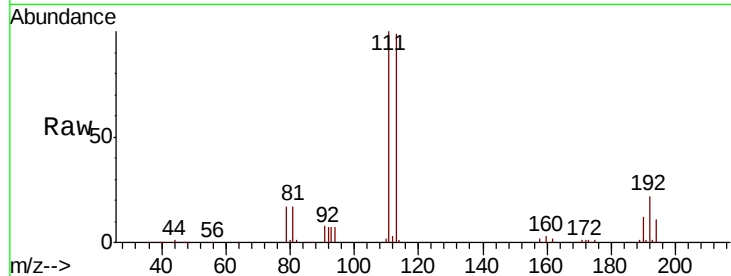




#35
 Dibromofluoromethane
 Concen: 49.655 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004842.D
 Acq: 29 Sep 2018 01:26

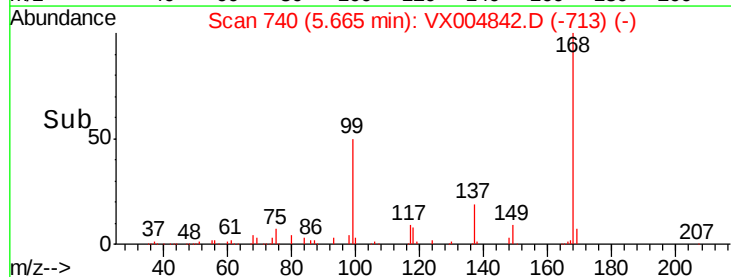
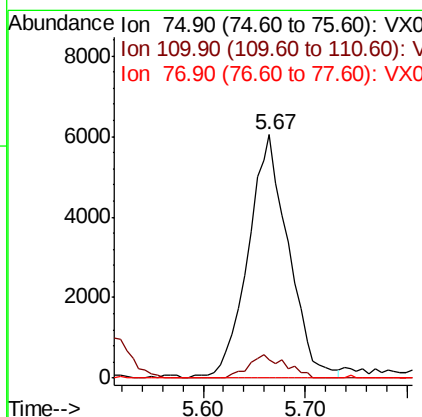
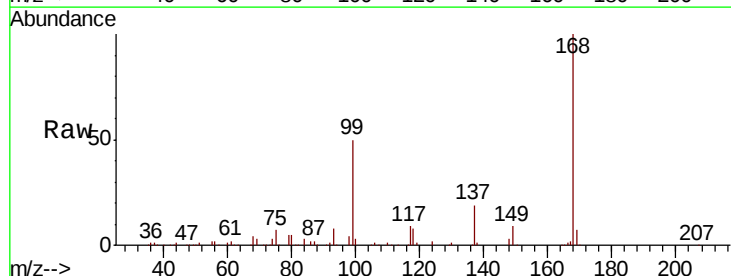
Instrument :
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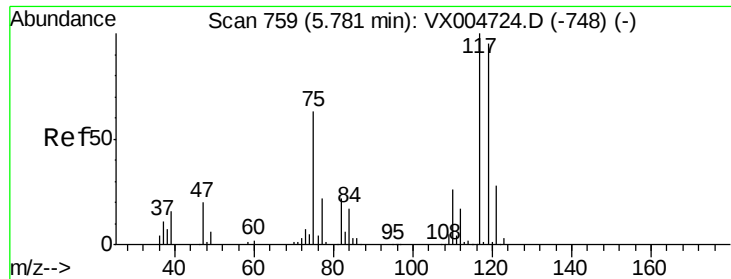
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.4	82.4	123.6
192	22.9	19.4	29.2



#36
 1,1-Dichloropropene
 Concen: 3.732 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX004842.D
 Acq: 29 Sep 2018 01:26

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





#38

Carbon Tetrachloride

Concen: 4.741 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX004842.D

Acq: 29 Sep 2018 01:26

Instrument :

MSVOA_X

ClientSampleId :

SA-TW504-2125

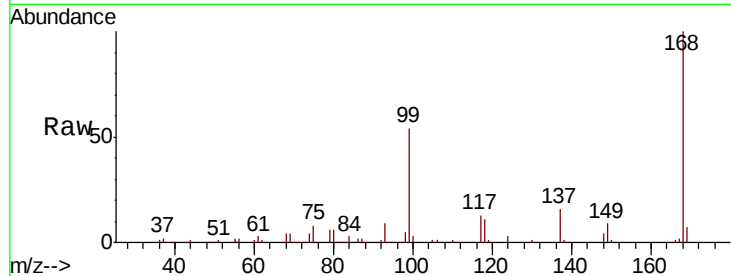
Tot Ion:117 Resp: 22247

Ion Ratio Lower Upper

117 100

119 5.1 78.8 118.2#

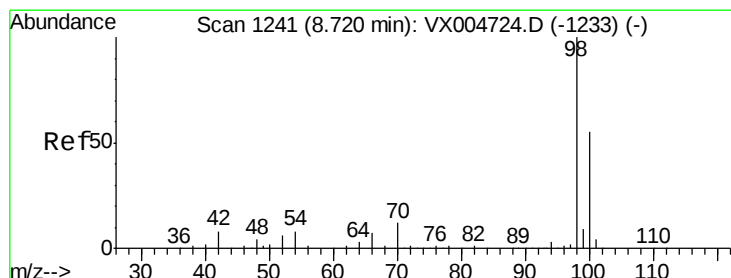
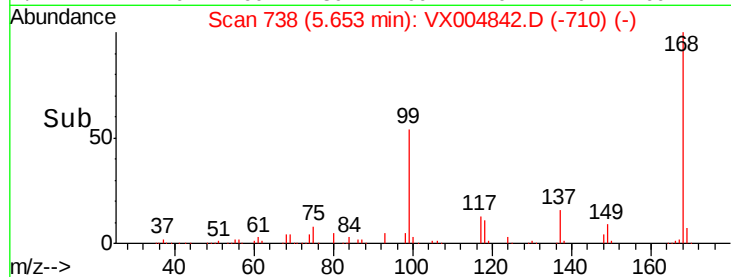
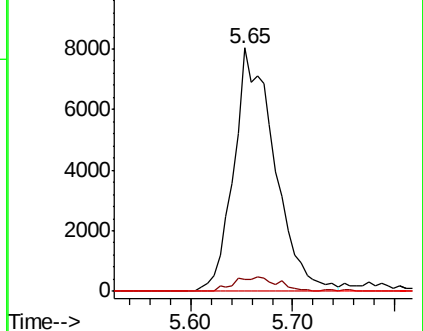
121 0.0 24.9 37.3#



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: 51.672 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX004842.D

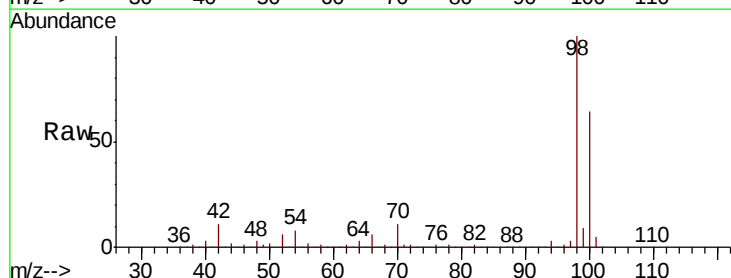
Acq: 29 Sep 2018 01:26

Tgt Ion: 98 Resp: 561995

Ion Ratio Lower Upper

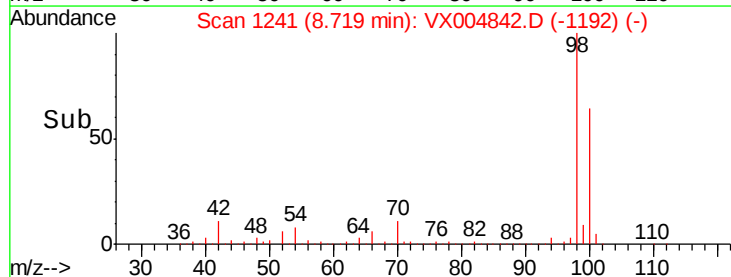
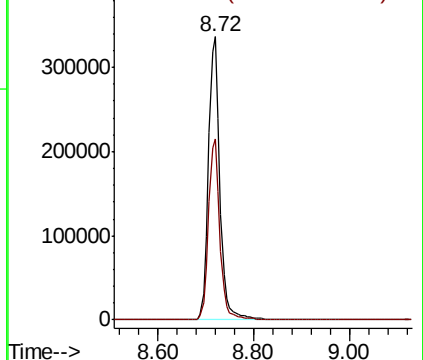
98 100

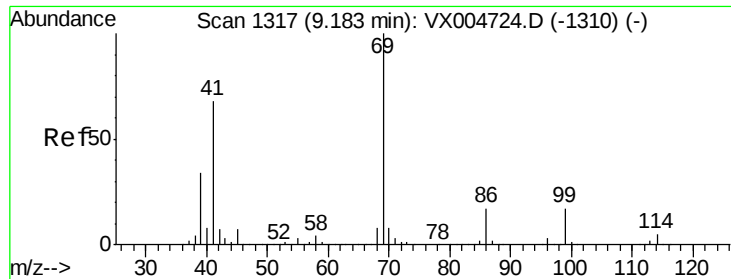
100 63.5 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#56

Ethyl methacrylate

Concen: 2.891 ug/l

RT: 9.23 min Scan# 1324

Delta R.T. 0.04 min

Lab File: VX004842.D

Acq: 29 Sep 2018 01:26

Instrument :

MSVOA_X

ClientSampleId :

SA-TW504-2125

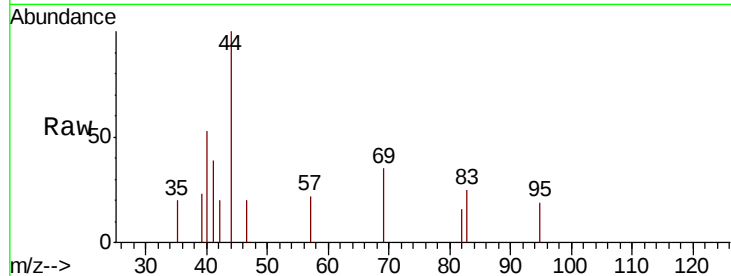
Tot Ion: 69 Resp: 166

Ion Ratio Lower Upper

69 100

41 79.5 51.0 76.4#

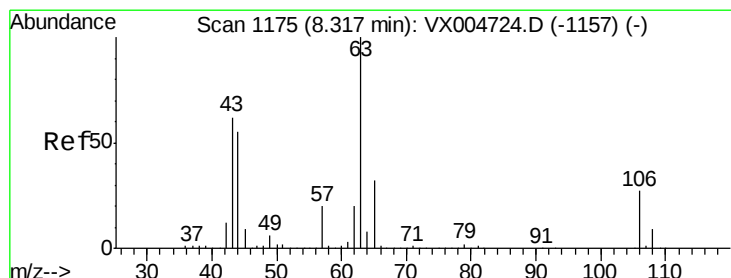
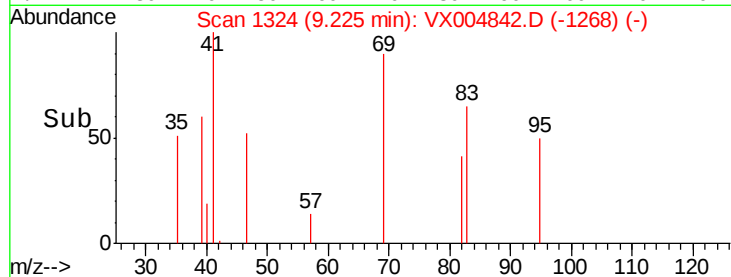
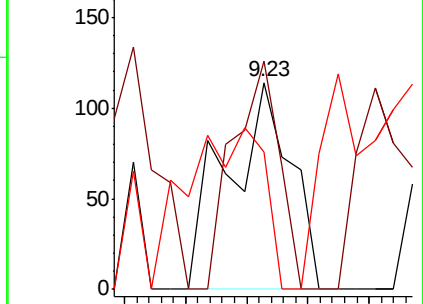
39 94.6 26.1 39.1#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 14.248 ug/l

RT: 8.04 min Scan# 1129

Delta R.T. -0.28 min

Lab File: VX004842.D

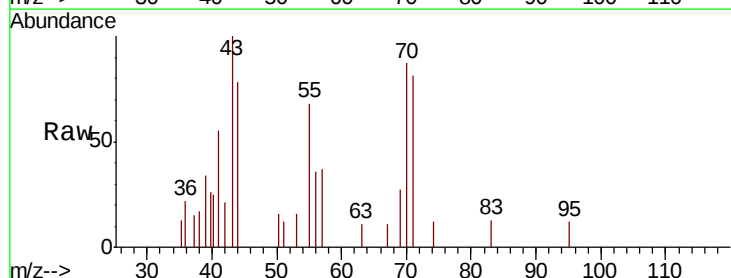
Acq: 29 Sep 2018 01:26

Tgt Ion: 63 Resp: 19

Ion Ratio Lower Upper

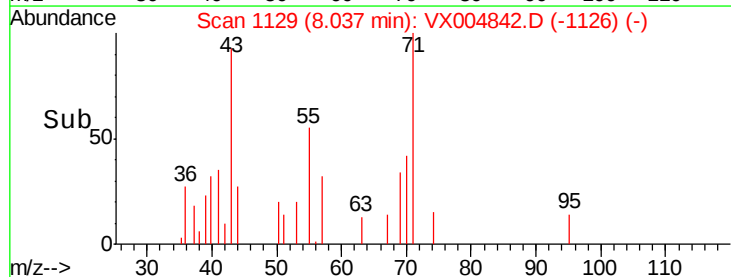
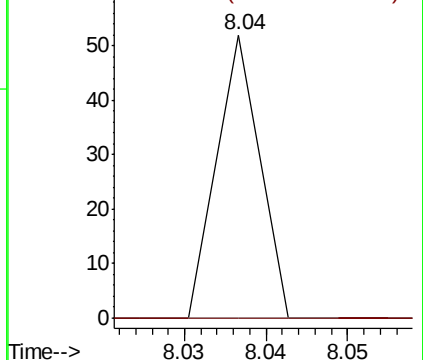
63 100

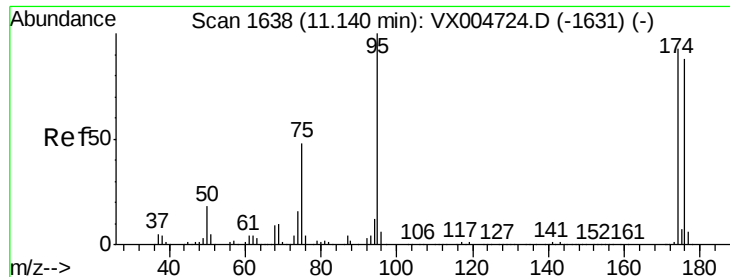
106 0.0 23.9 35.9#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

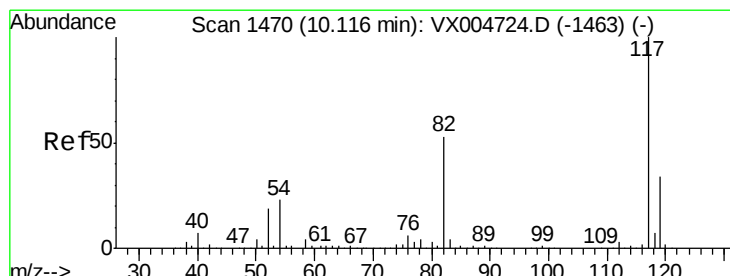
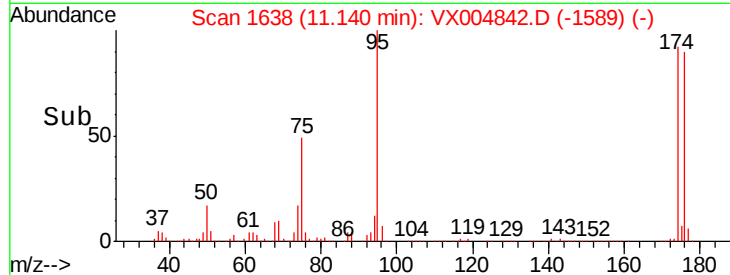
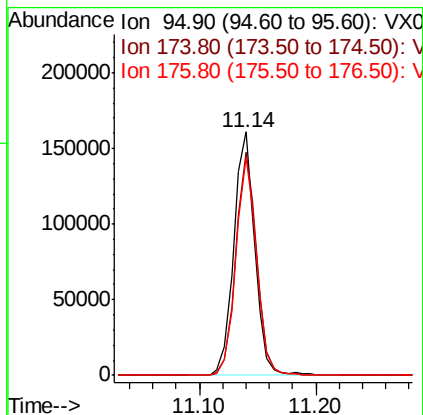
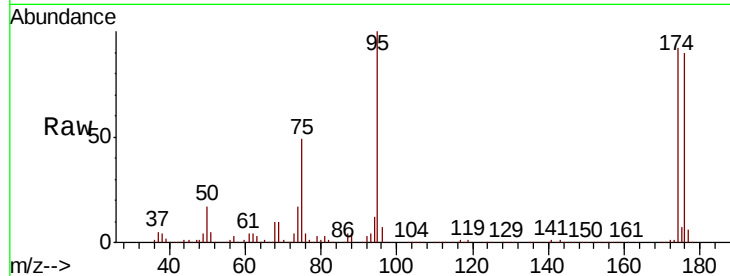




#62
4-Bromofluorobenzene
Concen: 51.806 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX004842.D
Acq: 29 Sep 2018 01:26

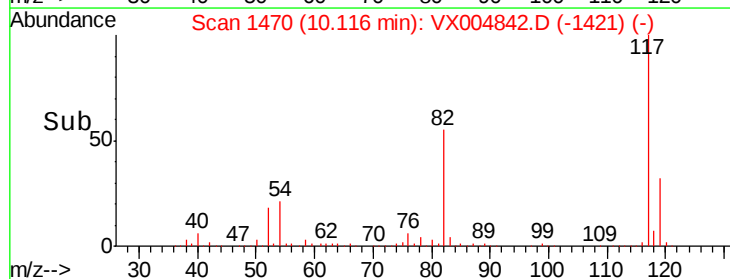
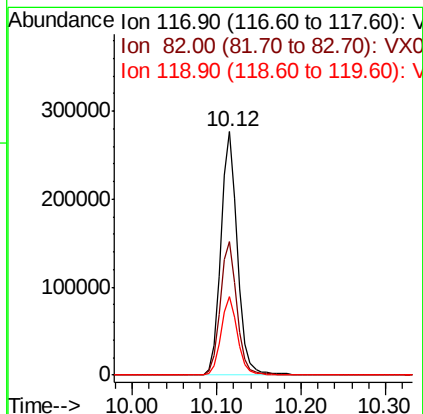
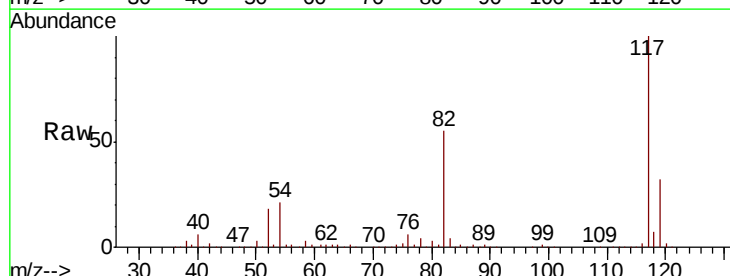
Instrument :
MSVOA_X
ClientSampleId :
SA-TW504-2125

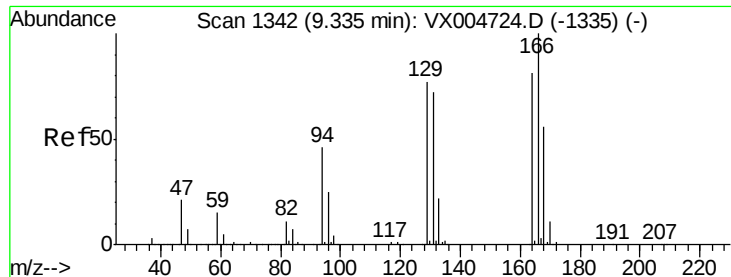
Tot Ion: 95 Resp: 202986
Ion Ratio Lower Upper
95 100
174 91.2 0.0 185.2
176 88.2 0.0 178.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004842.D
Acq: 29 Sep 2018 01:26

Tgt Ion: 117 Resp: 377648
Ion Ratio Lower Upper
117 100
82 54.7 47.8 71.6
119 32.4 29.3 43.9





#64

Tetrachloroethene

Concen: 0.224 ug/l

RT: 9.34 min Scan# 1343

Delta R.T. 0.01 min

Lab File: VX004842.D

Acq: 29 Sep 2018 01:26

Instrument :

MSVOA_X

ClientSampleId :

SA-TW504-2125

Tot Ion:164 Resp: 833

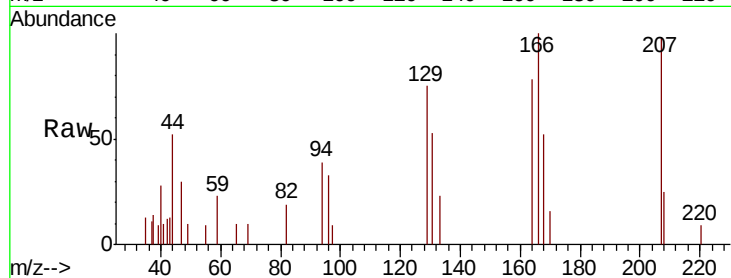
Ion Ratio Lower Upper

164 100

166 128.2 102.8 154.2

129 95.9 69.4 104.0

131 68.3 67.9 101.9

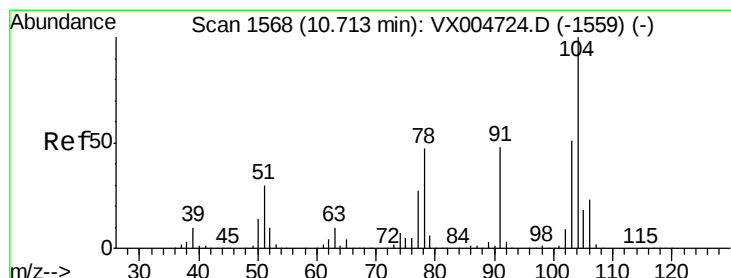
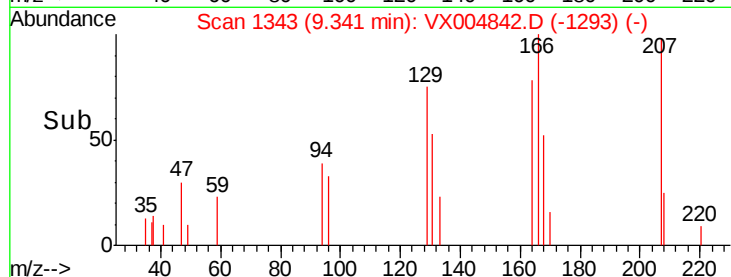
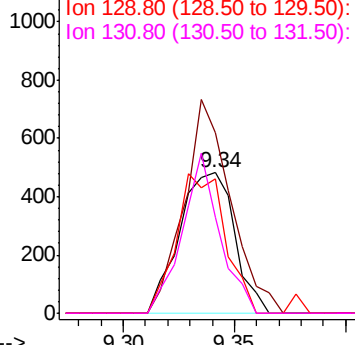


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#70

Styrene

Concen: 2.150 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX004842.D

Acq: 29 Sep 2018 01:26

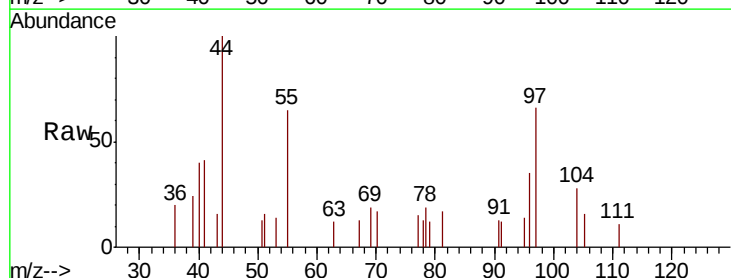
Tgt Ion:104 Resp: 102

Ion Ratio Lower Upper

104 100

78 143.1 37.4 56.0#

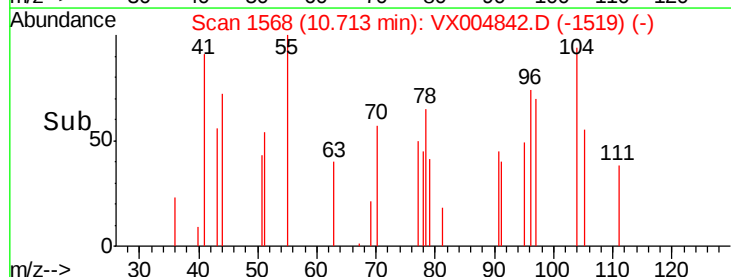
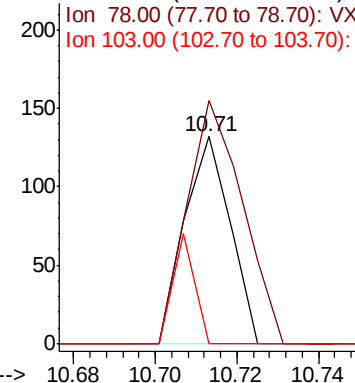
103 25.5 43.8 65.6#

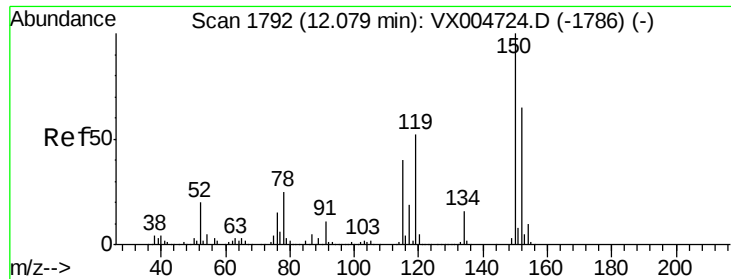


Abundance Ion 104.00 (103.70 to 104.70): V

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: VX004842.D

Acq: 29 Sep 2018 01:26

Instrument :

MSVOA_X

ClientSampleId :

SA-TW504-2125

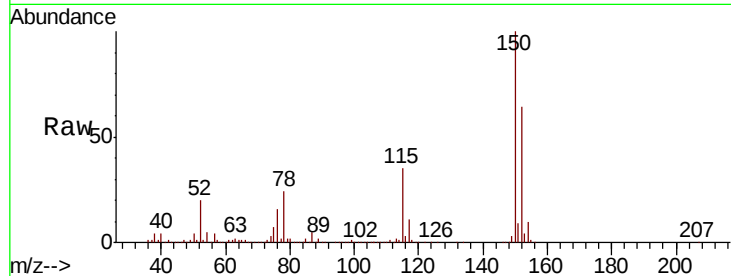
Tot Ion:152 Resp: 212144

Ion Ratio Lower Upper

152 100

115 55.7 39.0 117.0

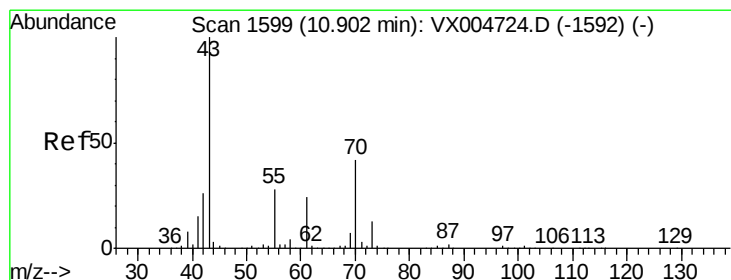
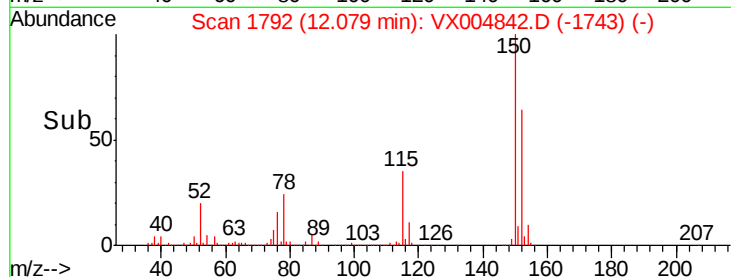
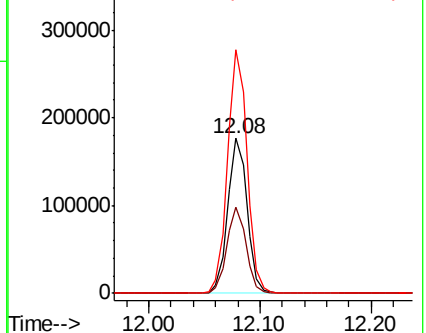
150 158.1 0.0 351.0



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-ethyl acetate

Concen: 1.777 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX004842.D

Acq: 29 Sep 2018 01:26

Tgt Ion: 43 Resp: 221

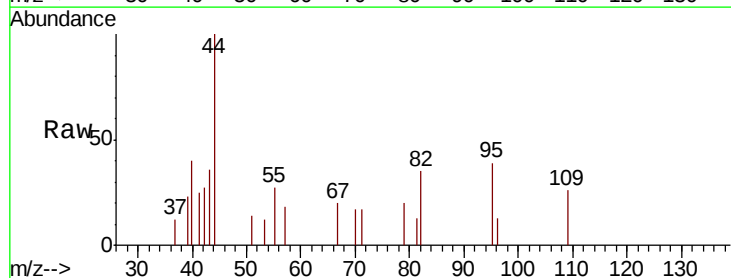
Ion Ratio Lower Upper

43 100

70 69.7 37.4 56.0#

55 251.1 21.8 32.8#

61 0.0 20.6 30.8#

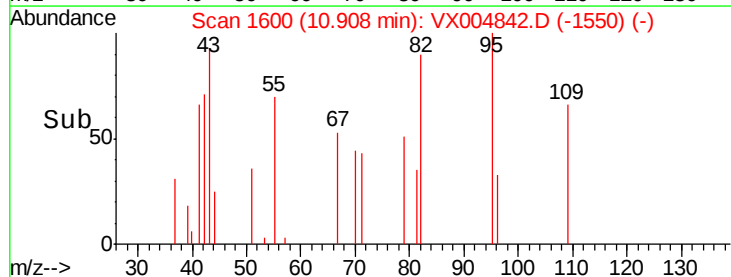
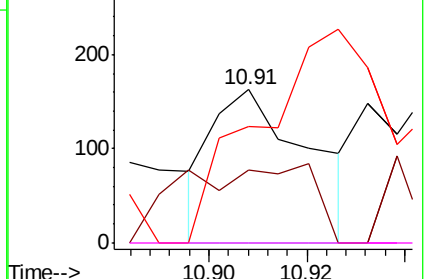


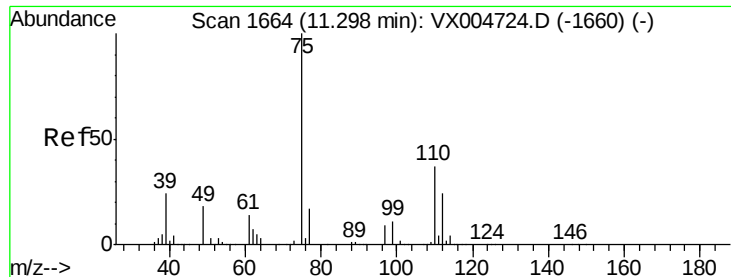
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 21.295 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004842.D

Acq: 29 Sep 2018 01:26

Instrument :

MSVOA_X

ClientSampleId :

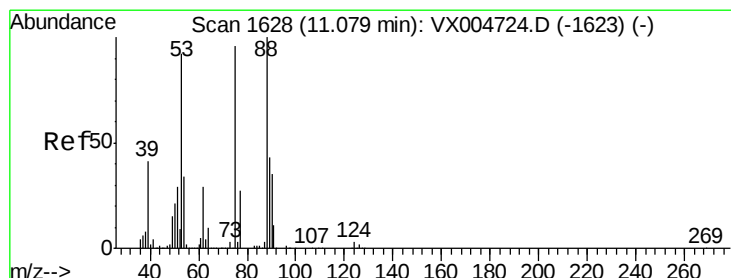
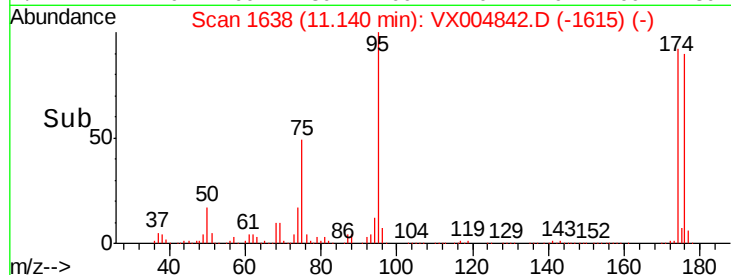
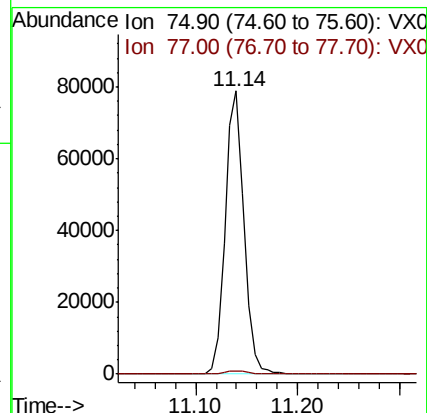
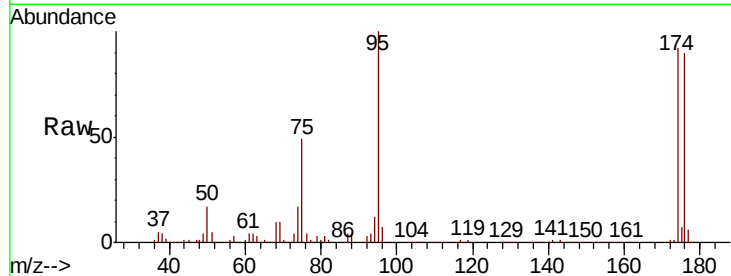
SA-TW504-2125

Tot Ion: 75 Resp: 101257

Ion Ratio Lower Upper

75 100

77 1.5 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.759 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004842.D

Acq: 29 Sep 2018 01:26

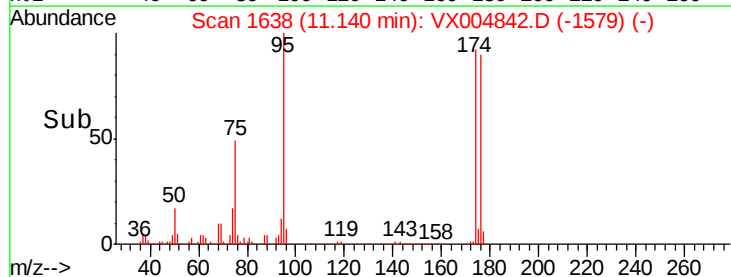
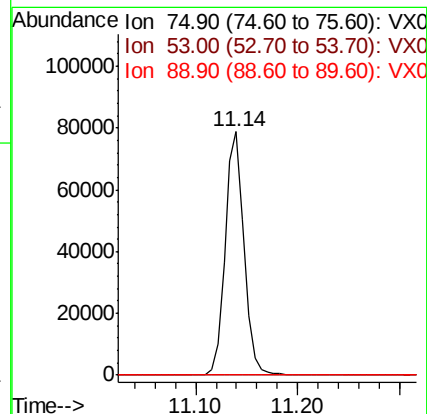
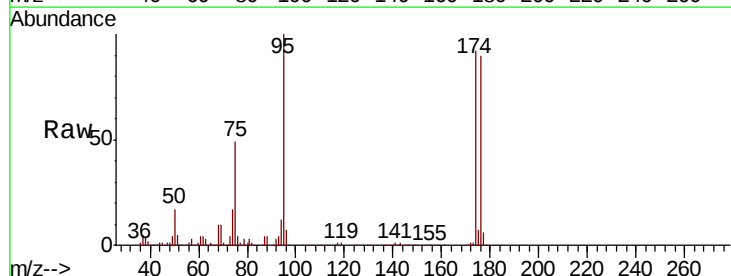
Tgt Ion: 75 Resp: 101257

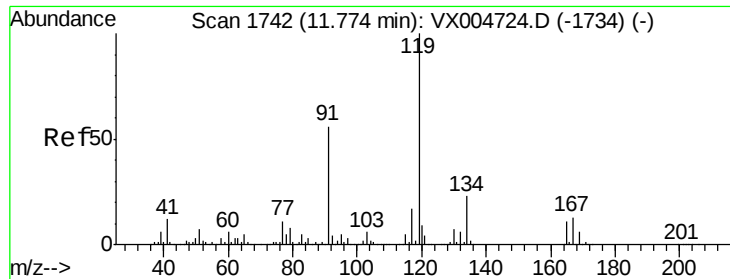
Ion Ratio Lower Upper

75 100

53 0.3 80.1 120.1#

89 0.0 37.2 55.8#

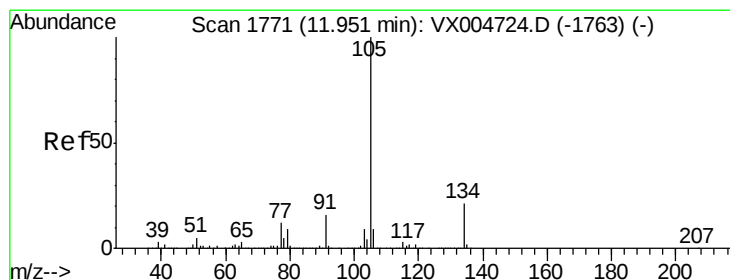
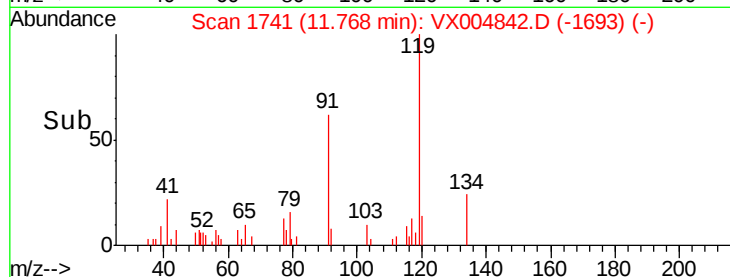
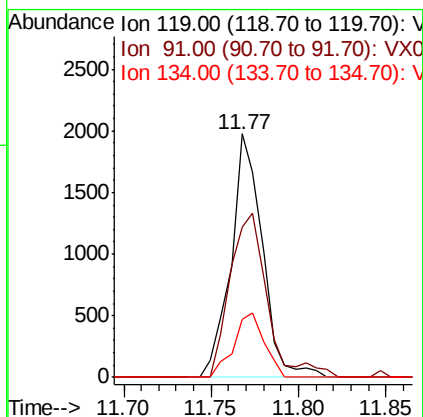
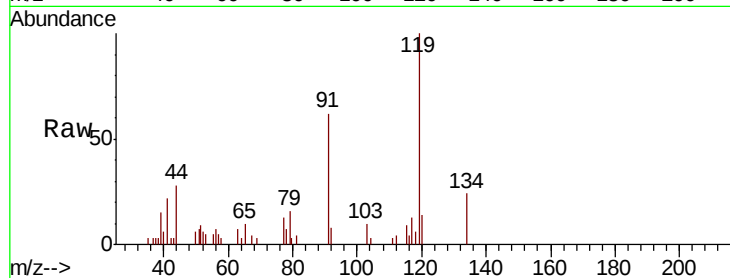




#83
tert-Butylbenzene
Concen: 0.224 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.01 min
Lab File: VX004842.D
Acq: 29 Sep 2018 01:26

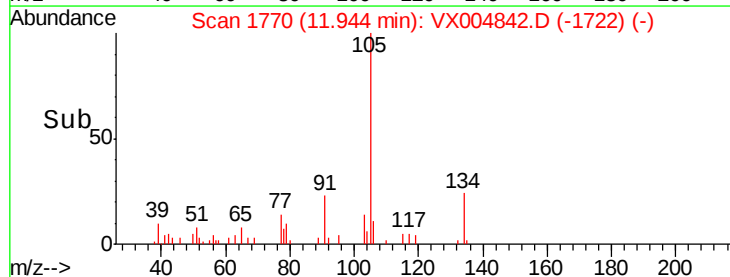
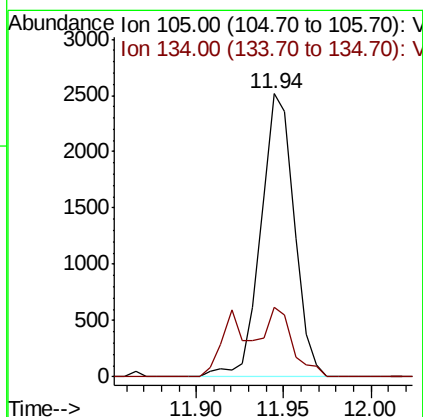
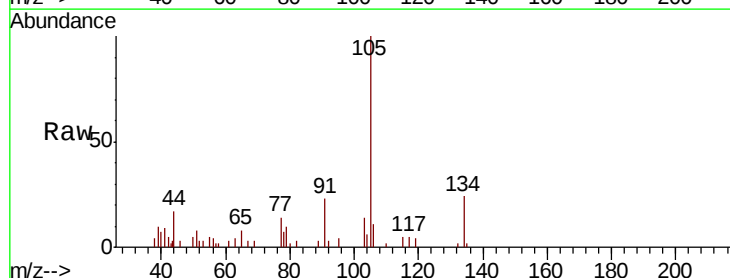
Instrument :
MSVOA_X
ClientSampleId :
SA-TW504-2125

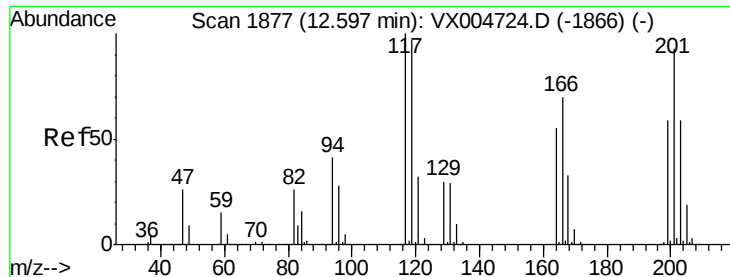
Tot Ion:119 Resp: 2462
Ion Ratio Lower Upper
119 100
91 79.9 27.0 81.0
134 25.7 11.7 35.1



#85
sec-Butylbenzene
Concen: 0.249 ug/l
RT: 11.94 min Scan# 1770
Delta R.T. -0.01 min
Lab File: VX004842.D
Acq: 29 Sep 2018 01:26

Tgt Ion:105 Resp: 3334
Ion Ratio Lower Upper
105 100
134 20.8 10.5 31.5





#90

Hexachloroethane

Concen: 2.134 ug/l

RT: 12.70 min Scan# 1894

Delta R.T. 0.10 min

Lab File: VX004842.D

Acq: 29 Sep 2018 01:26

Instrument :

MSVOA_X

ClientSampleId :

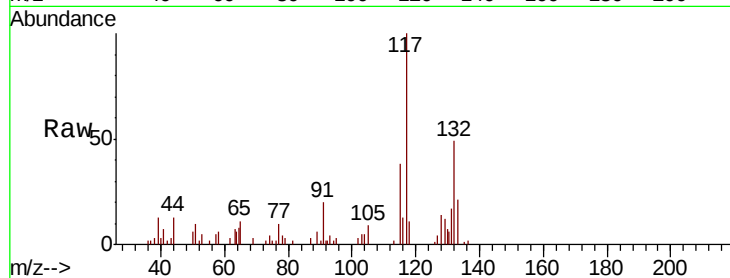
SA-TW504-2125

Tot Ion:117 Resp: 4317

Ion Ratio Lower Upper

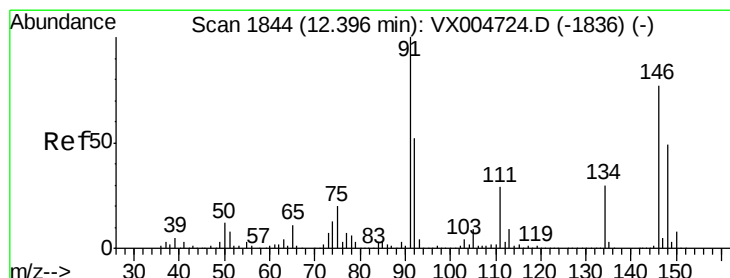
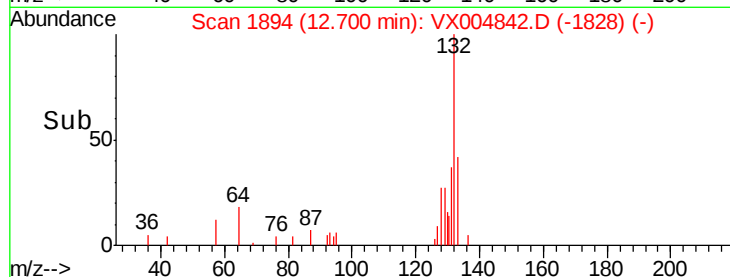
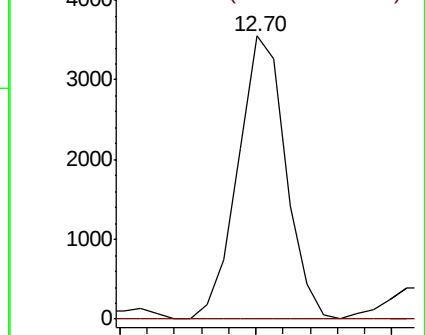
117 100

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



#91

1,2-Dichlorobenzene

Concen: 0.235 ug/l

RT: 12.40 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VX004842.D

Acq: 29 Sep 2018 01:26

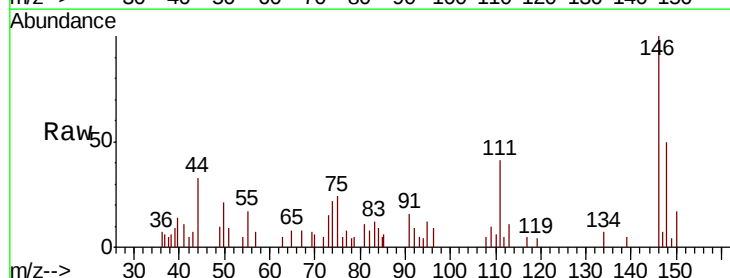
Tgt Ion:146 Resp: 1784

Ion Ratio Lower Upper

146 100

111 45.4 19.4 58.1

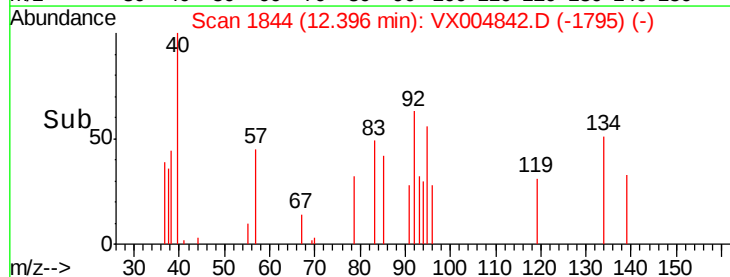
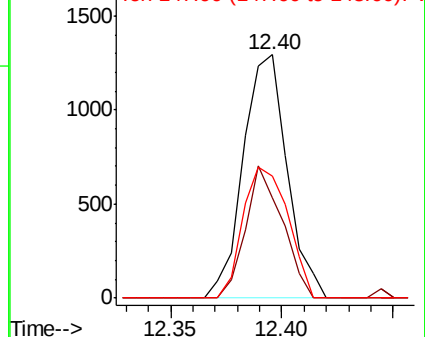
148 55.0 32.8 98.3

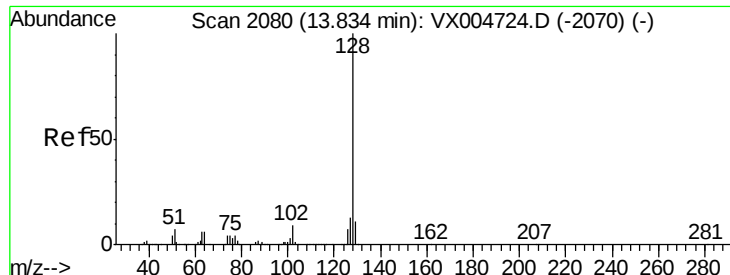


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#95
Naphthalene
Concen: 0.880 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004842.D
Acq: 29 Sep 2018 01:26

Instrument :
MSVOA_X
ClientSampleId :
SA-TW504-2125

Tot Ion	Ratio	Lower	Upper
128	100		
127	9.7	10.2	15.2#
129	0.0	8.6	12.8#

