

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100118\
 Data File : VX004871.D
 Acq On : 01 Oct 2018 15:28
 Operator : JC/MD
 Sample : J5135-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW501-4953

Quant Time: Oct 02 02:40:08 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

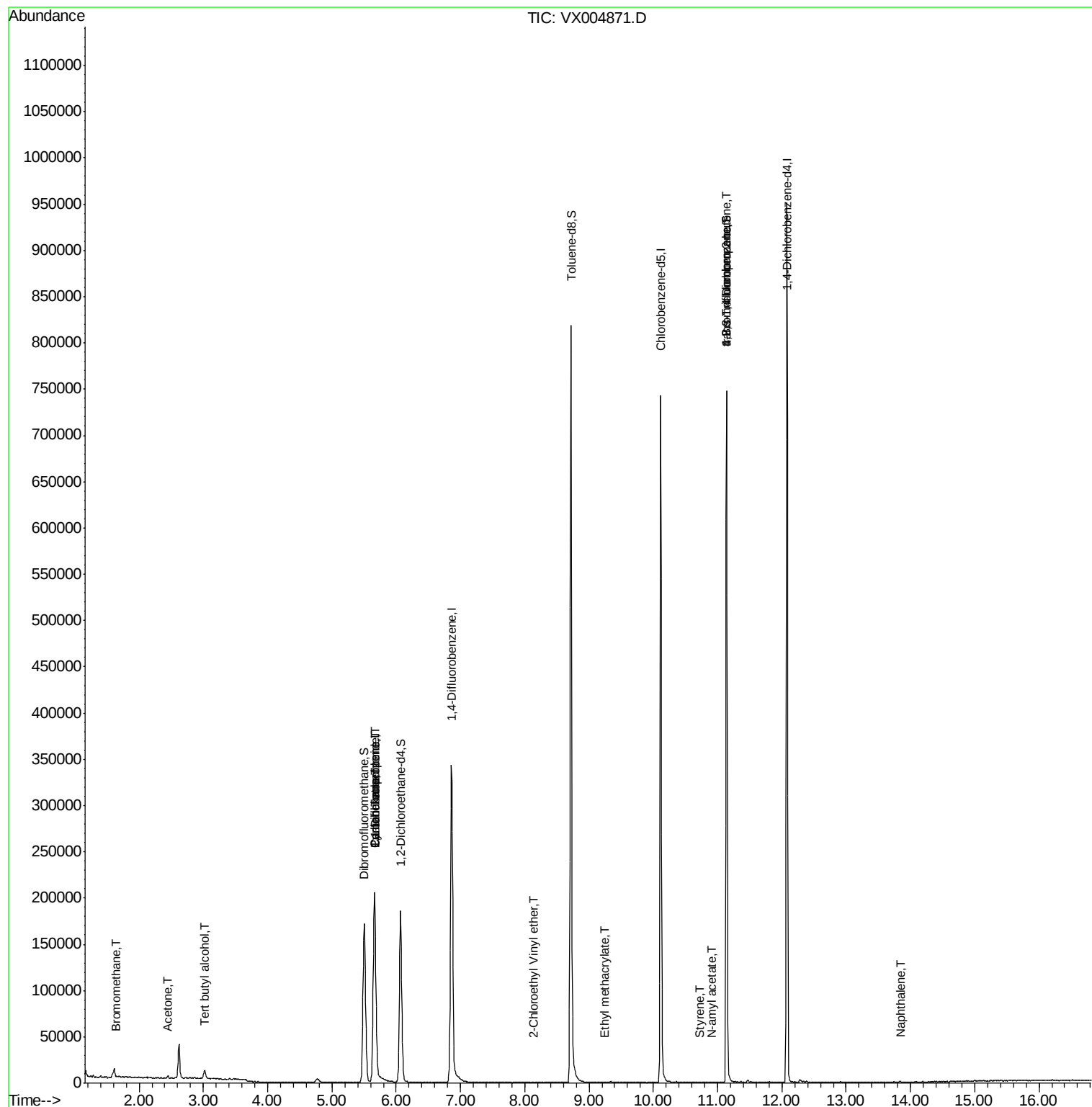
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	221553	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	360203	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	353547	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	195079	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	173816	54.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.84%	
35) Dibromofluoromethane	5.50	113	147595	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	
50) Toluene-d8	8.72	98	524597	51.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.38%	
62) 4-Bromofluorobenzene	11.14	95	187276	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.64	94	492	0.241	ug/l #	73
6) Chloroethane	1.73	64	290	Below Cal	#	45
11) Tert butyl alcohol	3.01	59	5838	6.597	ug/l #	83
16) Acetone	2.45	43	2433	1.317	ug/l	93
20) Methylene Chloride	2.85	84	186	Below Cal	#	74
31) Cyclohexane	5.66	56	4124	1.024	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15131	3.633	ug/l #	49
38) Carbon Tetrachloride	5.67	117	19843	4.532	ug/l #	16
56) Ethyl methacrylate	9.24	69	25	2.867	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.13	63	18	14.248	ug/l #	45
70) Styrene	10.72	104	23	2.143	ug/l #	27
74) N-amyl acetate	10.91	43	216	1.779	ug/l #	49
76) 1,2,3-Trichloropropane	11.14	75	91779	20.990	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	72	Below Cal	#	27
81) trans-1,4-Dichloro-2-buten	11.14	75	91779	56.961	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	342	Below Cal		73
95) Naphthalene	13.84	128	357	0.741	ug/l #	78

(#) = 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: VX004871.D

Acq: 01 Oct 2018 15:28

Instrument :

MSVOA_X

ClientSampleId :

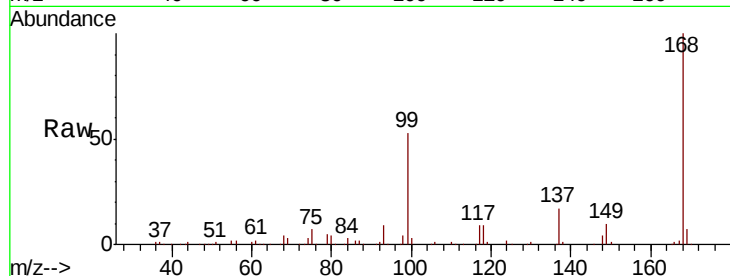
SA-TW501-4953

Tot Ion:168 Resp: 221553

Ion Ratio Lower Upper

168 100

99 52.6 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

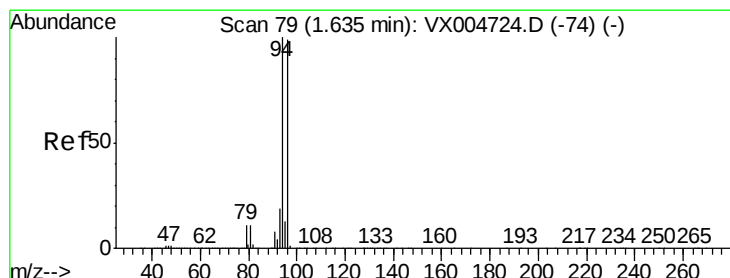
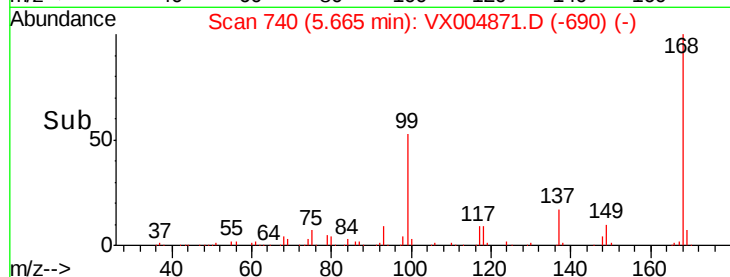
40000

20000

0

5.60 5.80

Time-->



#5

Bromomethane

Concen: 0.241 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX004871.D

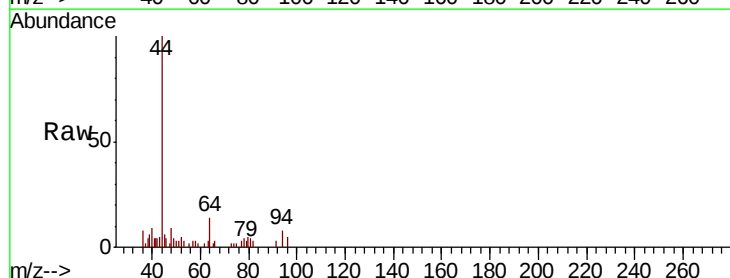
Acq: 01 Oct 2018 15:28

Tgt Ion: 94 Resp: 492

Ion Ratio Lower Upper

94 100

96 66.8 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

250

200

150

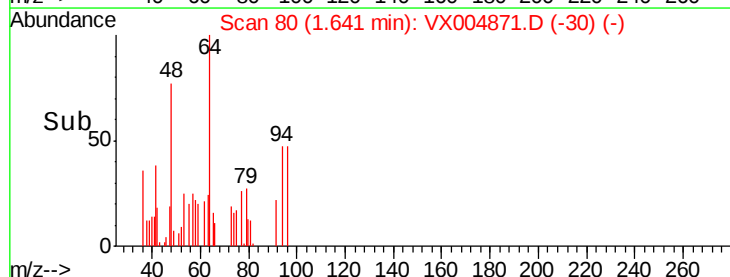
100

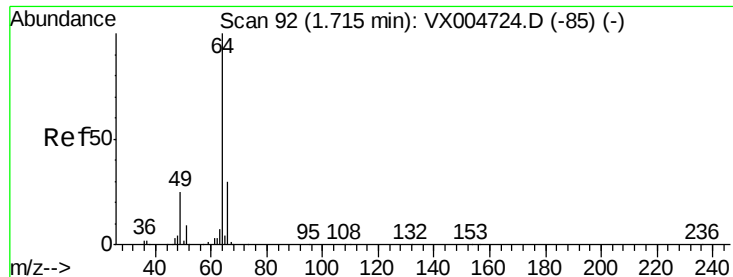
50

0

1.60 1.65 1.70

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX004871.D

Acq: 01 Oct 2018 15:28

Instrument :

MSVOA_X

ClientSampleId :

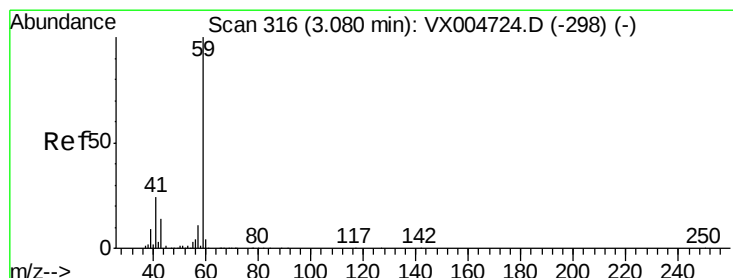
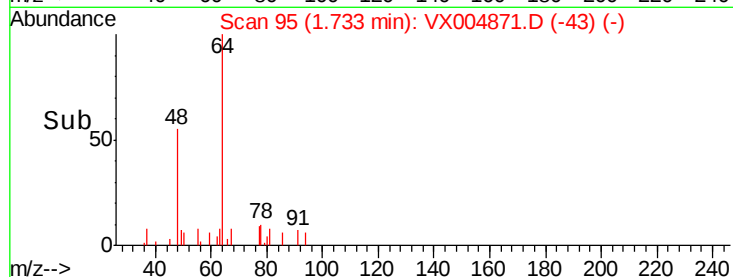
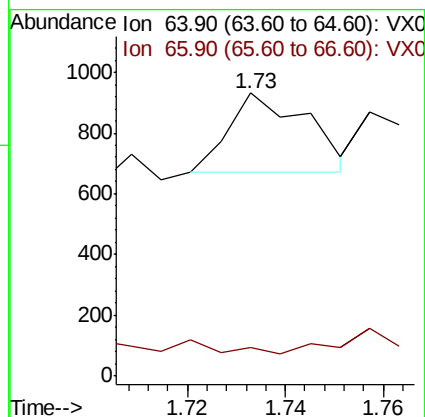
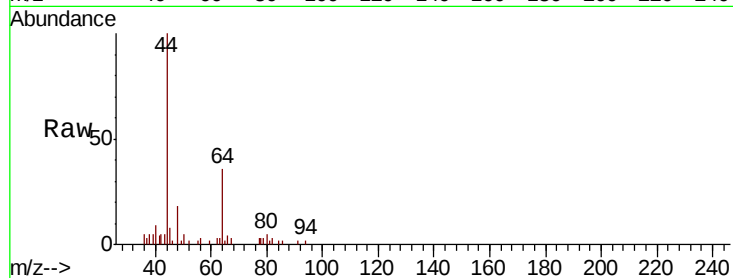
SA-TW501-4953

Tot Ion: 64 Resp: 290

Ion Ratio Lower Upper

64 100

66 0.8 24.6 36.8#



#11

Tert butyl alcohol

Concen: 6.597 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.07 min

Lab File: VX004871.D

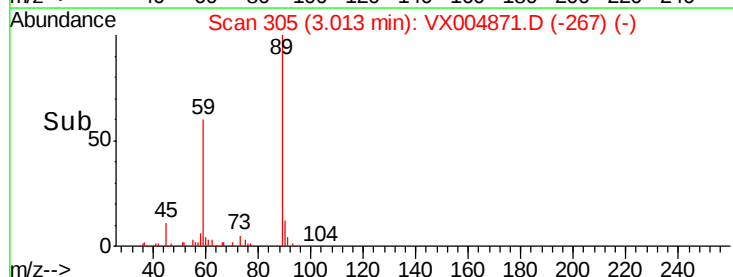
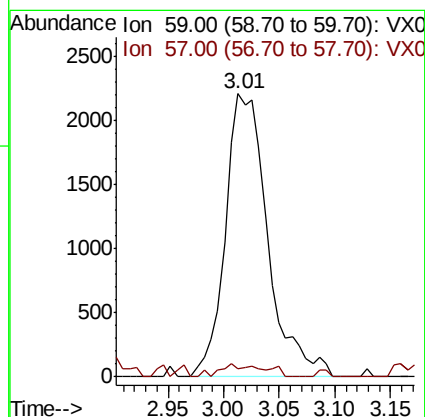
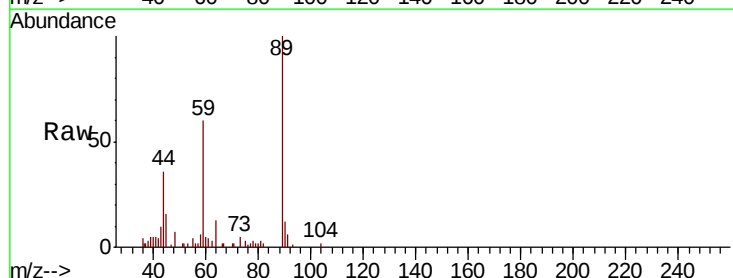
Acq: 01 Oct 2018 15:28

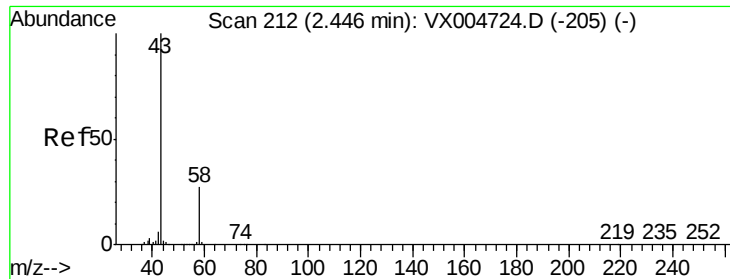
Tgt Ion: 59 Resp: 5838

Ion Ratio Lower Upper

59 100

57 3.8 8.2 12.4#

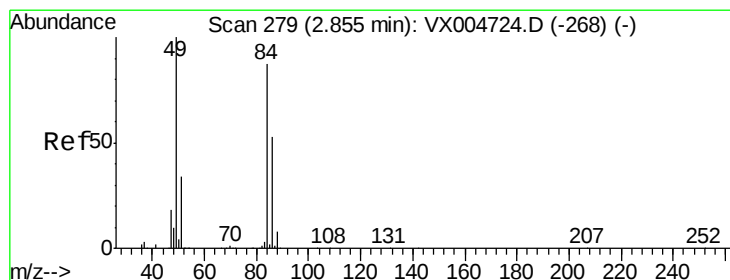
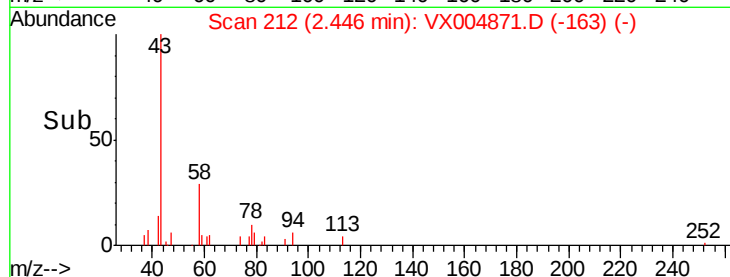
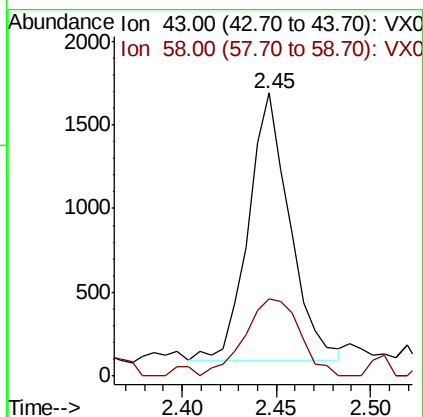
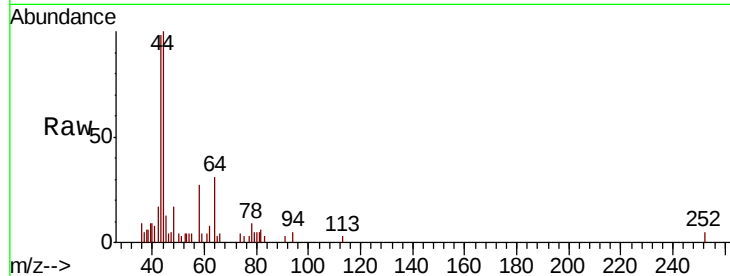




#16
Acetone
Concen: 1.317 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX004871.D
Acq: 01 Oct 2018 15:28

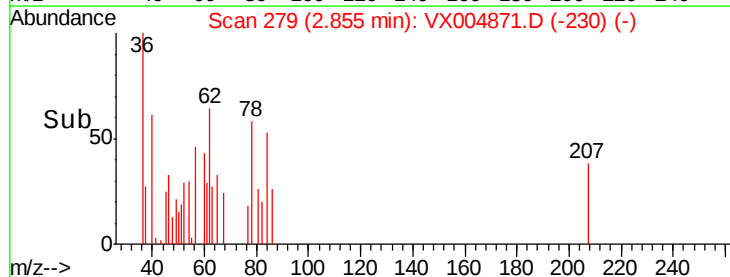
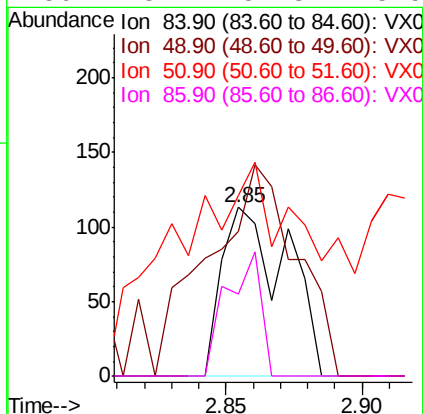
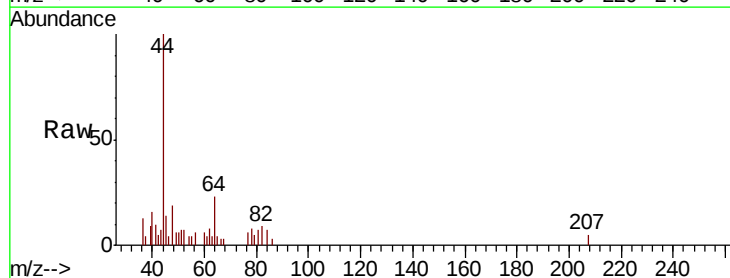
Instrument :
MSVOA_X
ClientSampleId :
SA-TW501-4953

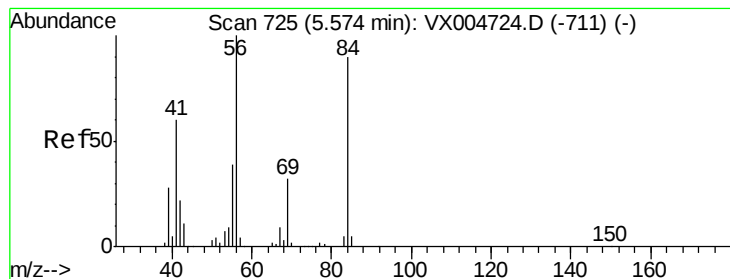
Tot Ion: 43 Resp: 2433
Ion Ratio Lower Upper
43 100
58 28.8 26.2 39.4



#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004871.D
Acq: 01 Oct 2018 15:28

Tgt Ion: 84 Resp: 186
Ion Ratio Lower Upper
84 100
49 85.8 101.2 151.8#
51 35.4 29.5 44.3
86 48.7 52.3 78.5#





#31

Cyclohexane

Concen: 1.024 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX004871.D

Acq: 01 Oct 2018 15:28

Instrument :

MSVOA_X

ClientSampleId :

SA-TW501-4953

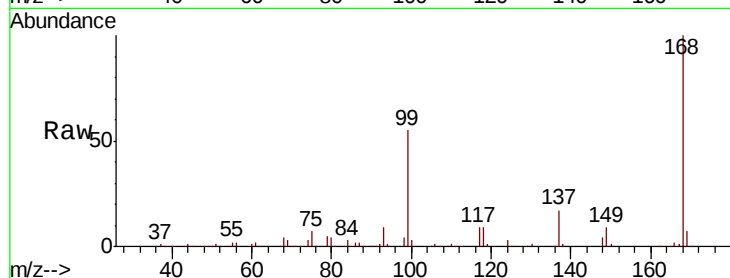
Tot Ion: 56 Resp: 4124

Ion Ratio Lower Upper

56 100

69 174.5 25.4 38.2#

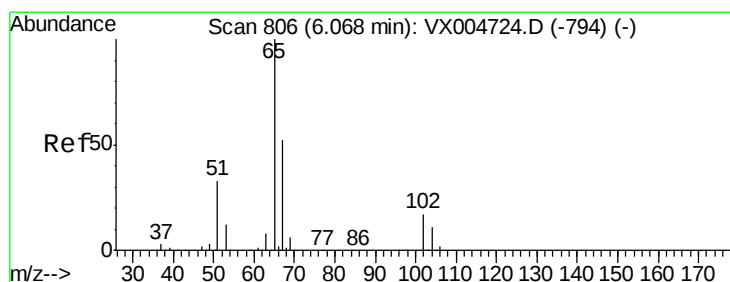
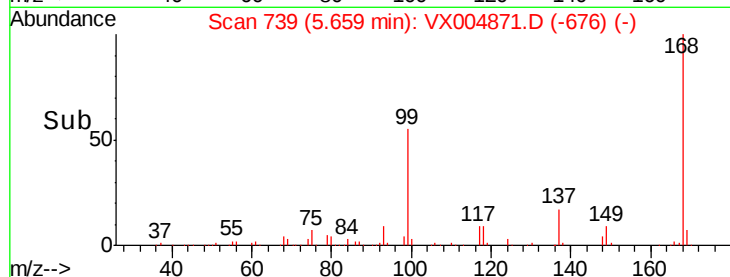
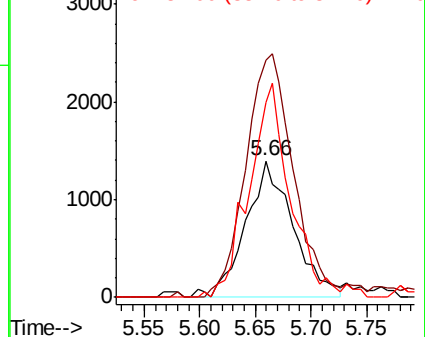
84 143.5 71.4 107.2#



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: 54.920 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004871.D

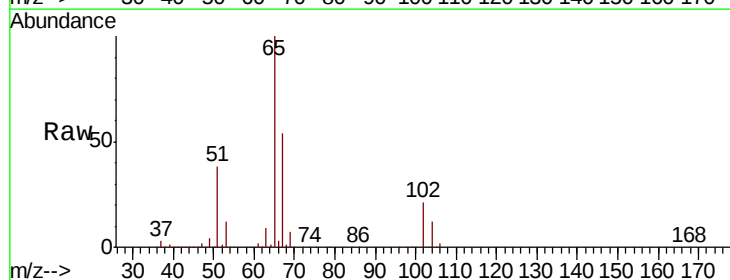
Acq: 01 Oct 2018 15:28

Tgt Ion: 65 Resp: 173816

Ion Ratio Lower Upper

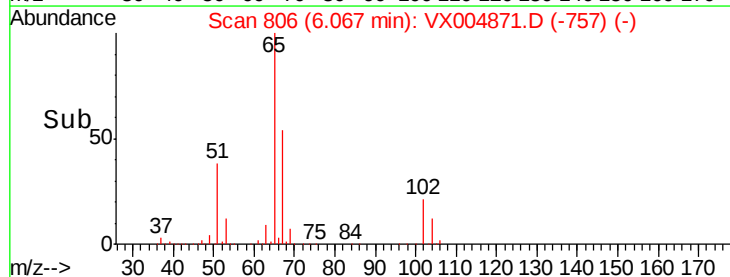
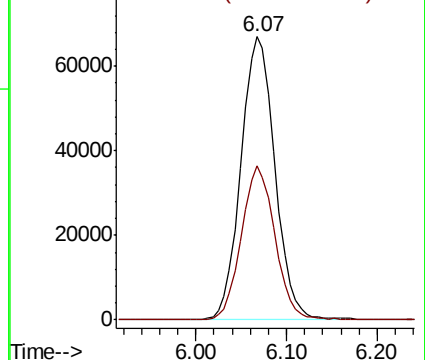
65 100

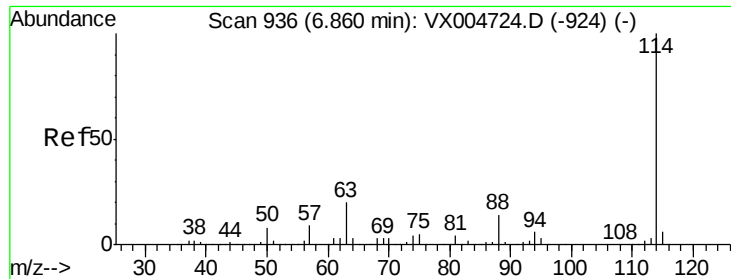
67 53.7 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

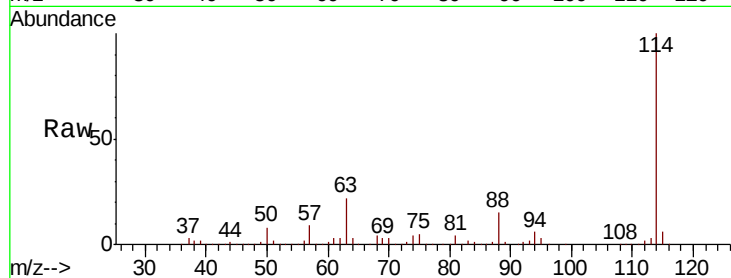




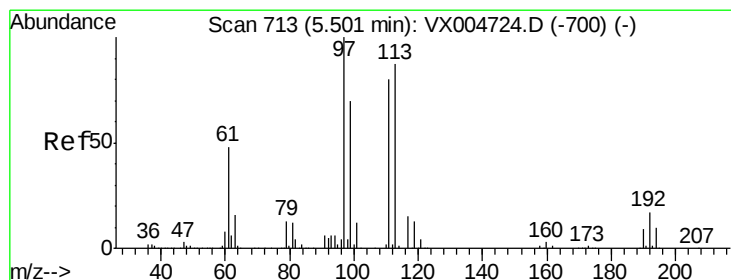
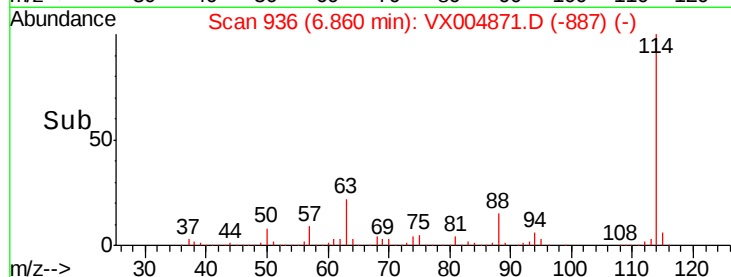
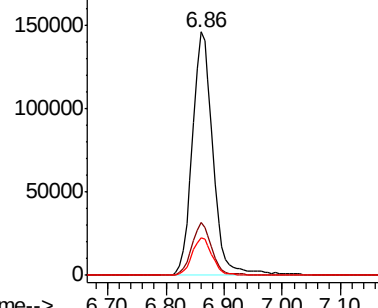
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004871.D
 Acq: 01 Oct 2018 15:28

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW501-4953

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	39.0
88	15.5	0.0	30.4

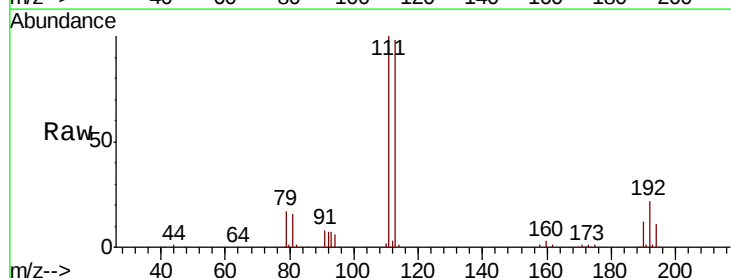


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

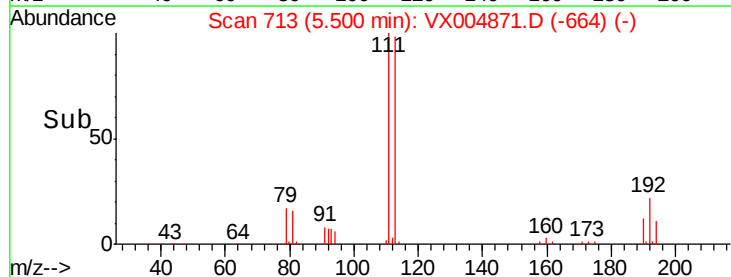
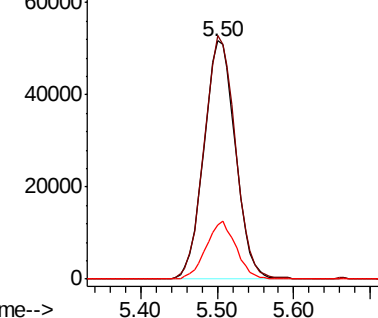


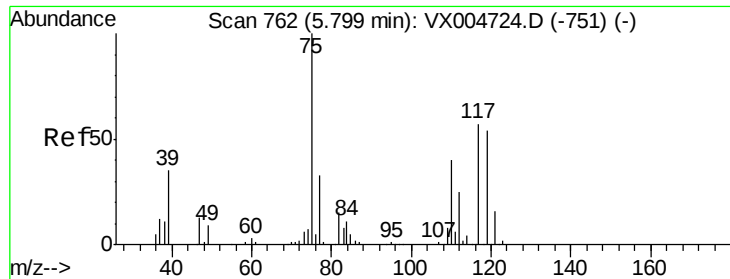
#35
 Dibromofluoromethane
 Concen: 48.348 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004871.D
 Acq: 01 Oct 2018 15:28

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.4	123.6
192	23.0	19.4	29.2



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: 3.633 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX004871.D

Acq: 01 Oct 2018 15:28

Instrument :

MSVOA_X

ClientSampleId :

SA-TW501-4953

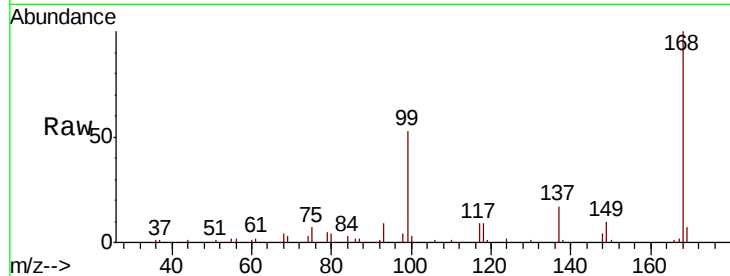
Tot Ion: 75 Resp: 15131

Ion Ratio Lower Upper

75 100

110 8.3 18.0 54.0#

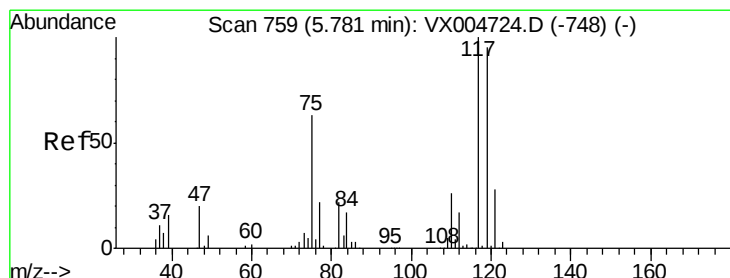
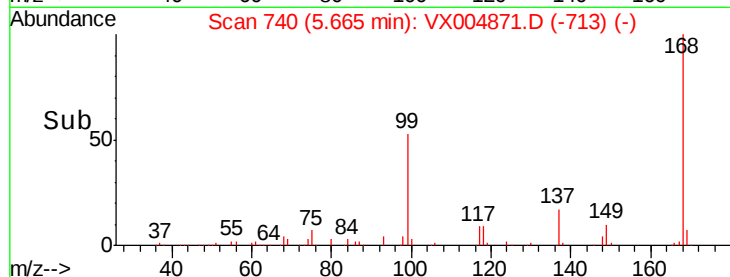
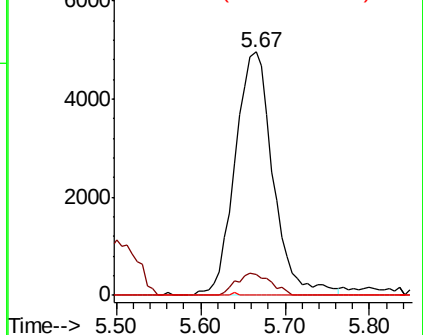
77 0.0 24.6 36.8#



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: 4.532 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX004871.D

Acq: 01 Oct 2018 15:28

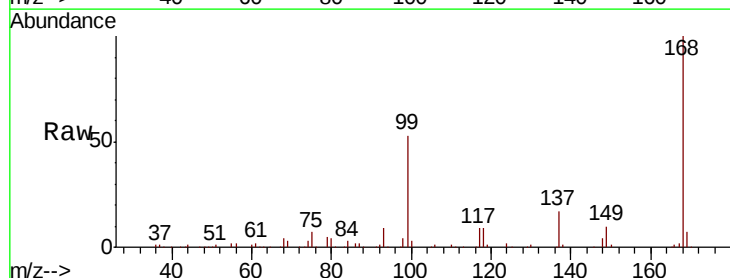
Tgt Ion: 117 Resp: 19843

Ion Ratio Lower Upper

117 100

119 6.3 78.8 118.2#

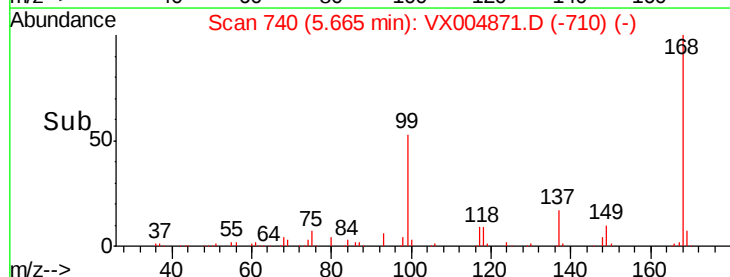
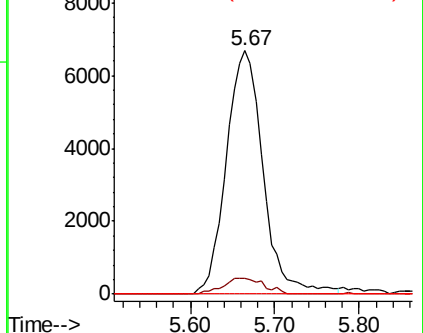
121 0.0 24.9 37.3#

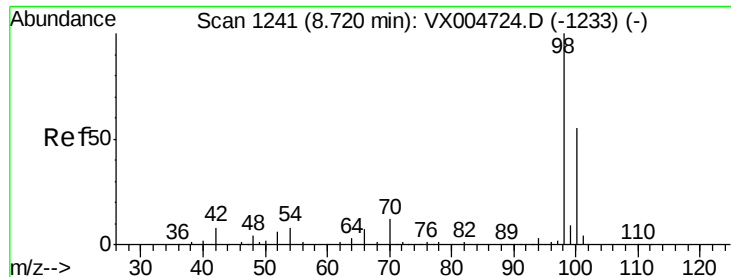


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 51.690 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX004871.D

Acq: 01 Oct 2018 15:28

Instrument :

MSVOA_X

ClientSampleId :

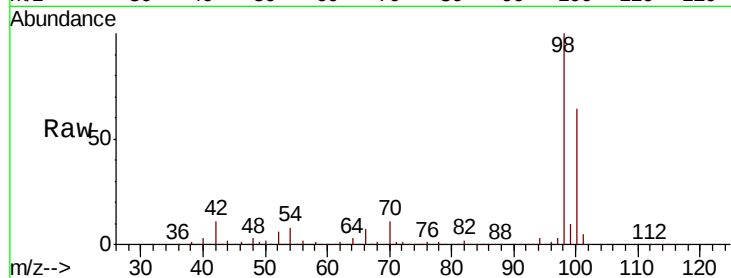
SA-TW501-4953

Tot Ion: 98 Resp: 524597

Ion Ratio Lower Upper

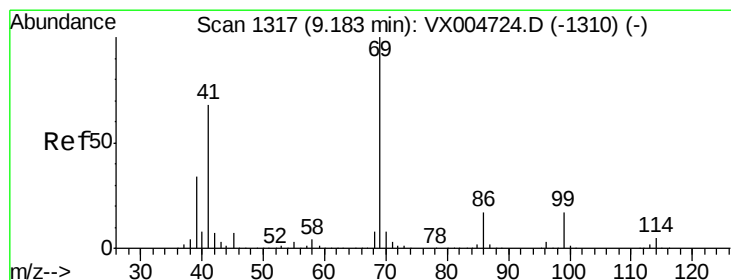
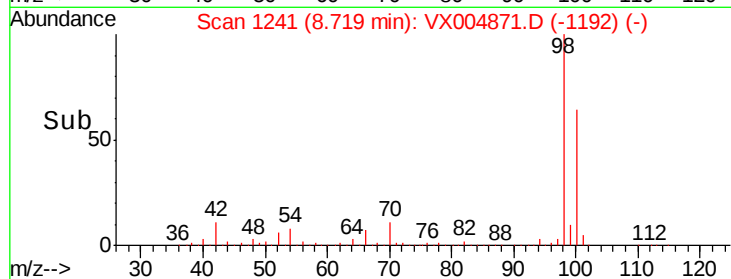
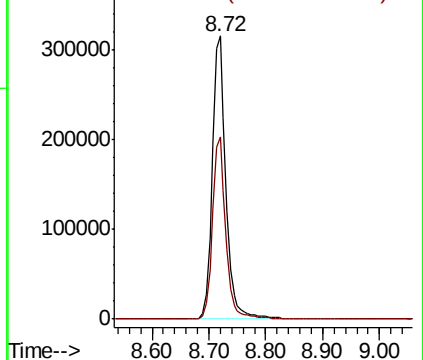
98 100

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): VX0



#56

Ethyl methacrylate

Concen: 2.867 ug/l

RT: 9.24 min Scan# 1327

Delta R.T. 0.06 min

Lab File: VX004871.D

Acq: 01 Oct 2018 15:28

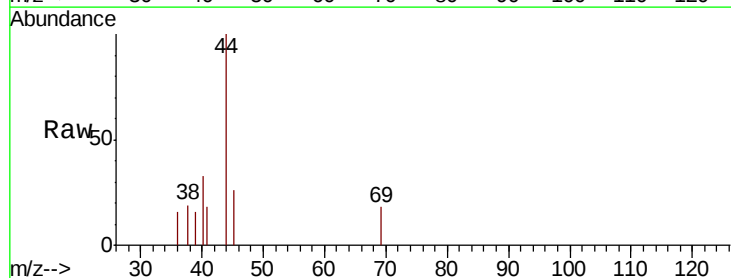
Tgt Ion: 69 Resp: 25

Ion Ratio Lower Upper

69 100

41 500.0 51.0 76.4#

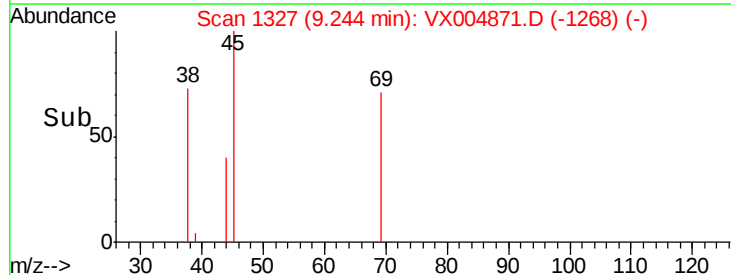
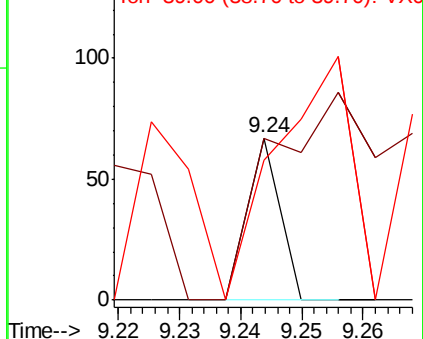
39 344.0 26.1 39.1#

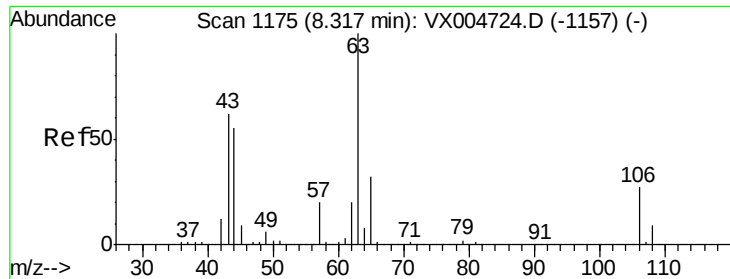


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

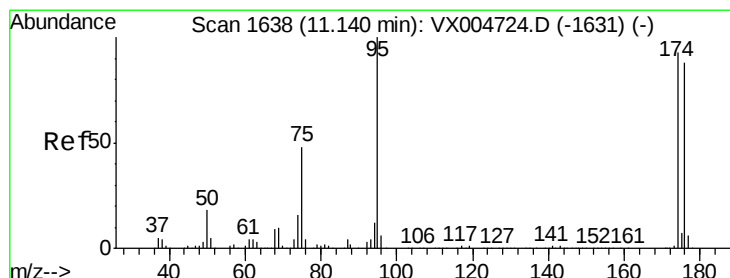
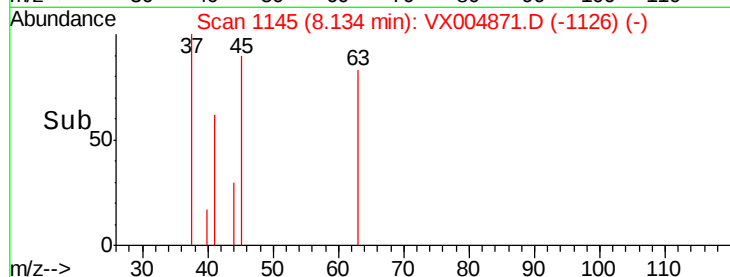
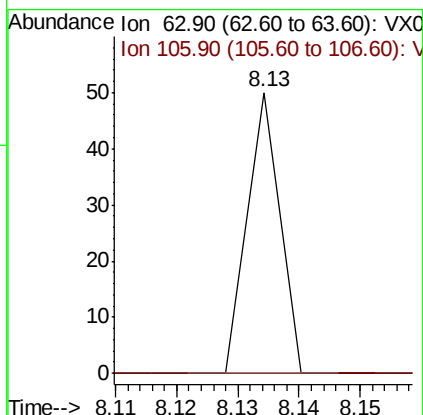
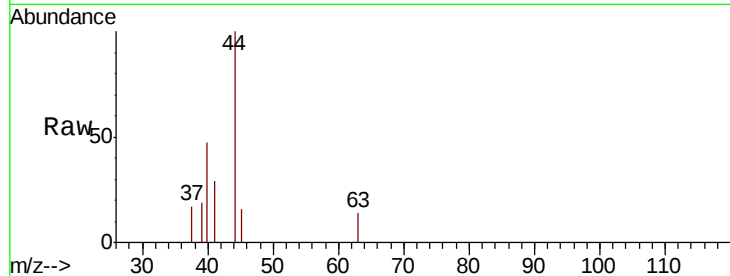




#58
 2-Chloroethyl Vinyl ether
 Concen: 14.248 ug/l
 RT: 8.13 min Scan# 1145
 Delta R.T. -0.18 min
 Lab File: VX004871.D
 Acq: 01 Oct 2018 15:28

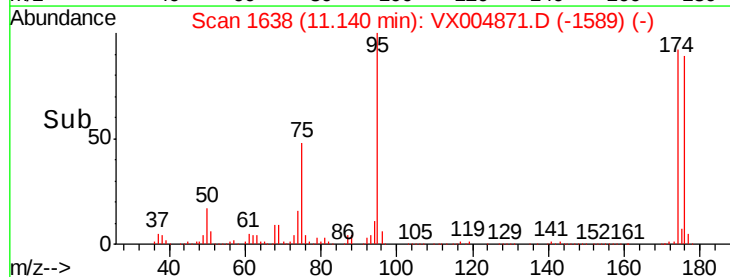
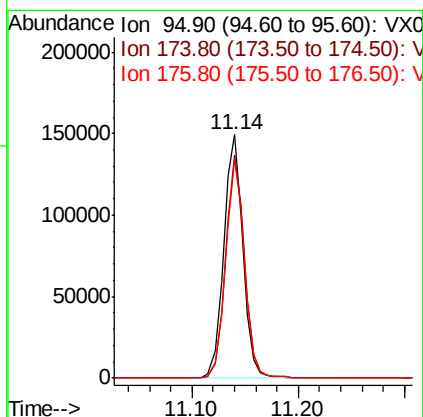
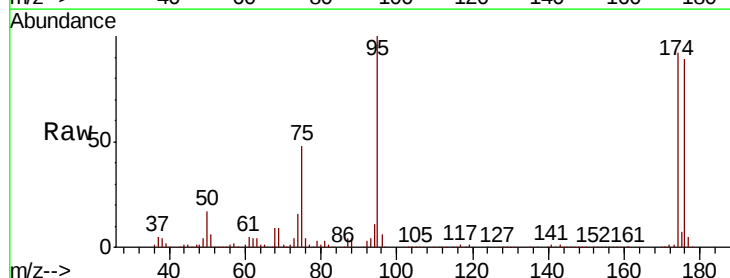
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW501-4953

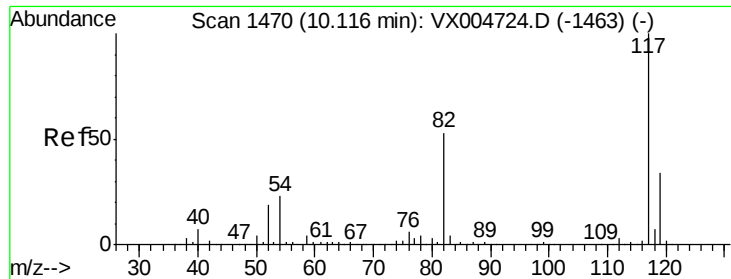
Tot Ion: 63 Resp: 18
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.9 35.9#



#62
 4-Bromofluorobenzene
 Concen: 51.221 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX004871.D
 Acq: 01 Oct 2018 15:28

Tgt Ion: 95 Resp: 187276
 Ion Ratio Lower Upper
 95 100
 174 91.1 0.0 185.2
 176 88.6 0.0 178.6

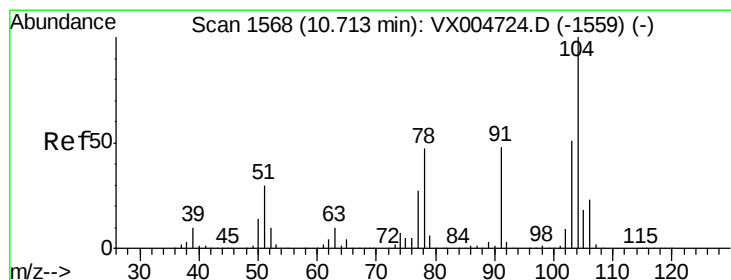
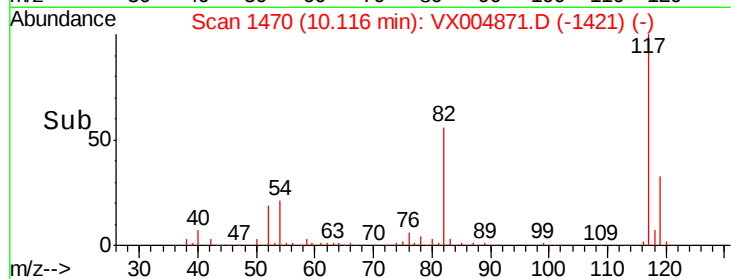
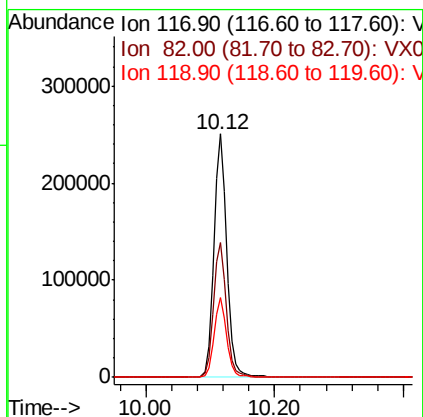
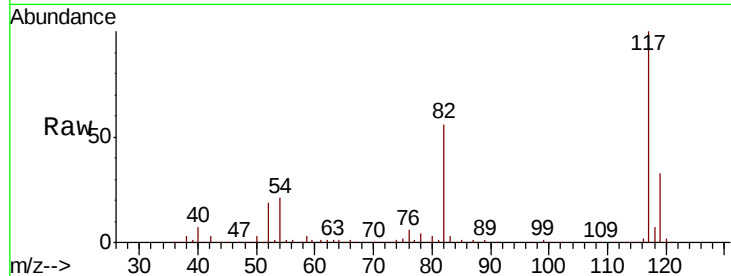




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004871.D
Acq: 01 Oct 2018 15:28

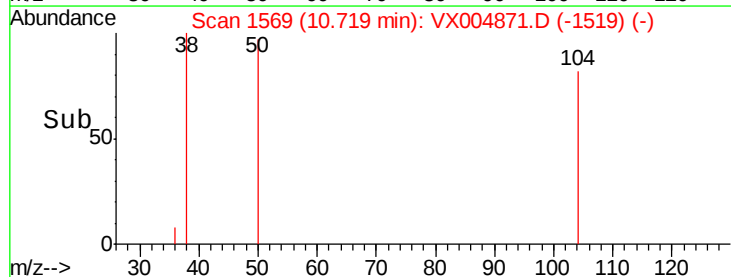
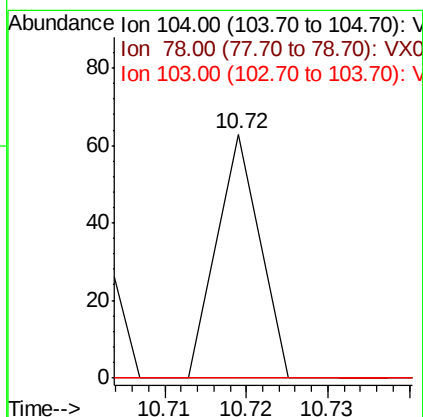
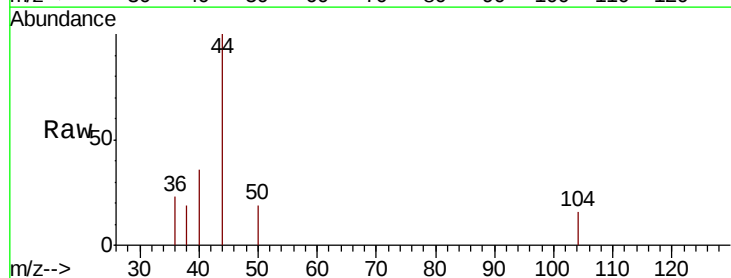
Instrument :
MSVOA_X
ClientSampleId :
SA-TW501-4953

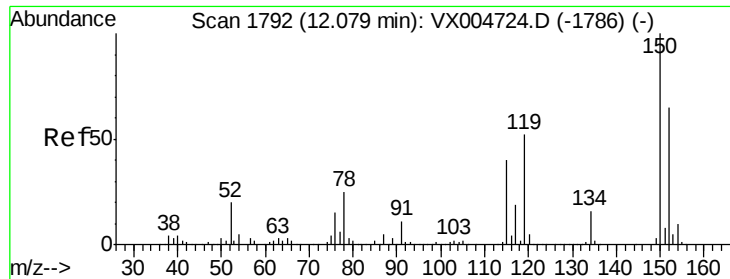
Tot Ion:117 Resp: 353547
Ion Ratio Lower Upper
117 100
82 55.5 47.8 71.6
119 32.5 29.3 43.9



#70
Styrene
Concen: 2.143 ug/l
RT: 10.72 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VX004871.D
Acq: 01 Oct 2018 15:28

Tgt Ion:104 Resp: 23
Ion Ratio Lower Upper
104 100
78 0.0 37.4 56.0#
103 0.0 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: VX004871.D

Acq: 01 Oct 2018 15:28

Instrument :

MSVOA_X

ClientSampleId :

SA-TW501-4953

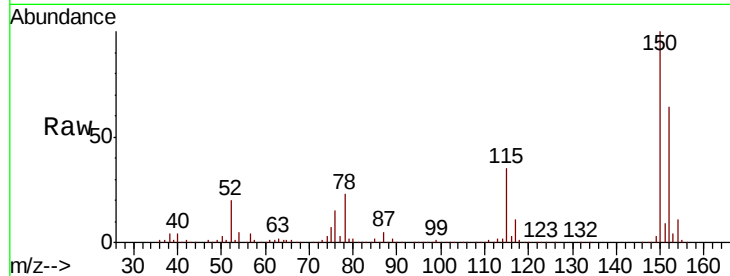
Tot Ion:152 Resp: 195079

Ion Ratio Lower Upper

152 100

115 54.9 39.0 117.0

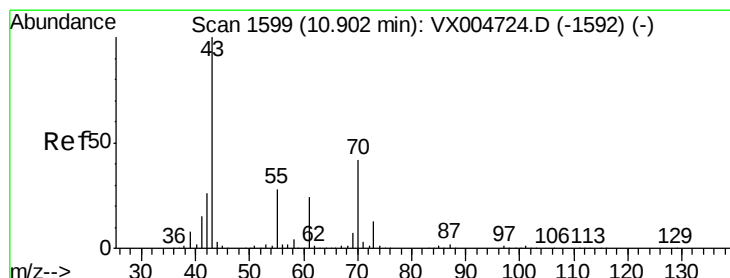
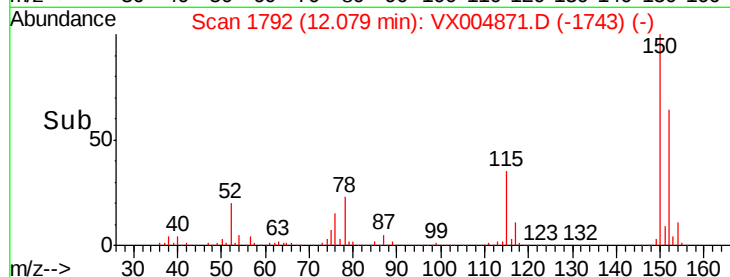
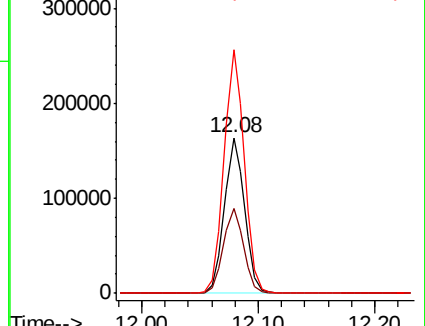
150 156.5 0.0 351.0



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: 1.779 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX004871.D

Acq: 01 Oct 2018 15:28

Tgt Ion: 43 Resp: 216

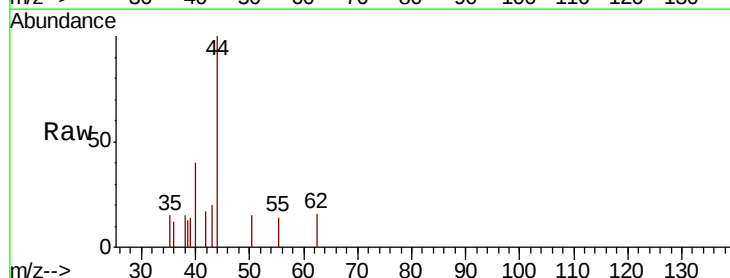
Ion Ratio Lower Upper

43 100

70 0.0 37.4 56.0#

55 36.1 21.8 32.8#

61 0.0 20.6 30.8#

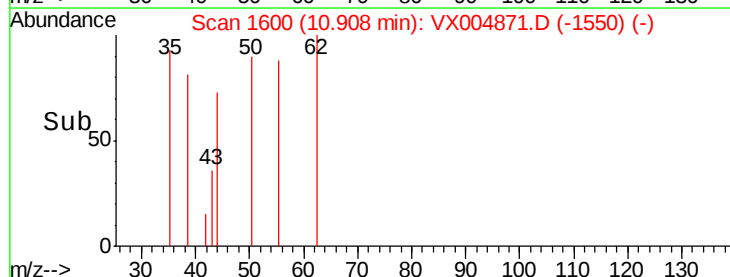
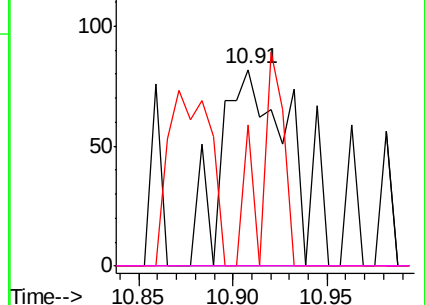


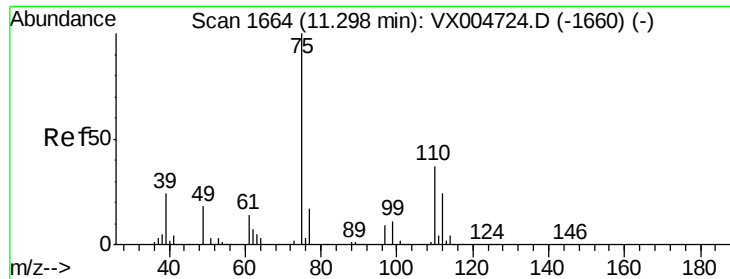
Abundance Ion 43.00 (42.70 to 43.70): VX0

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

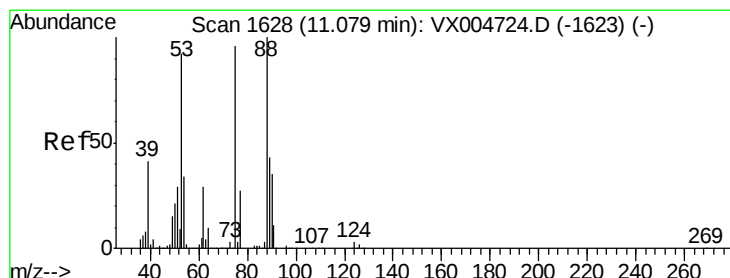
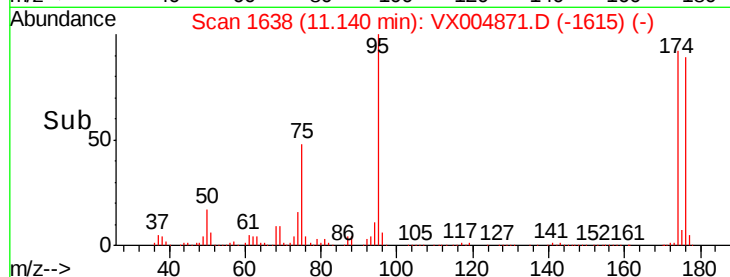
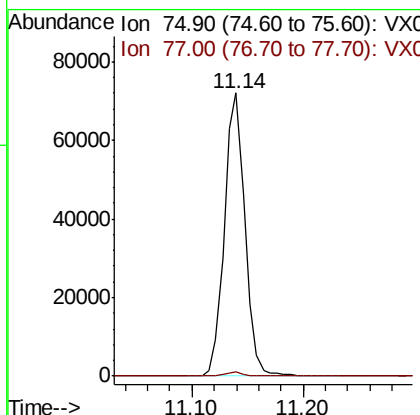
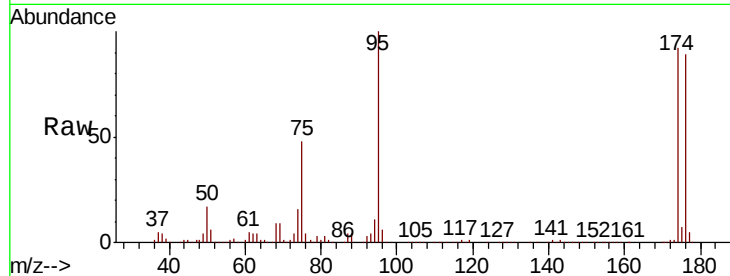




#76
 1,2,3-Trichloropropane
 Concen: 20.990 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX004871.D
 Acq: 01 Oct 2018 15:28

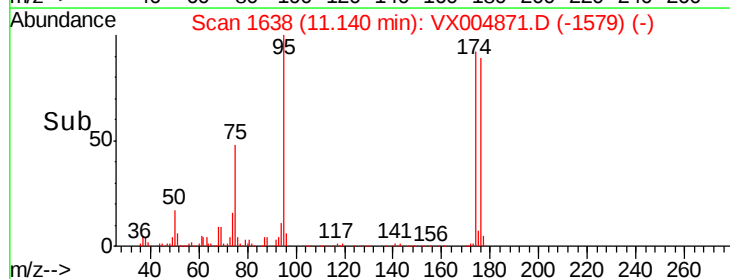
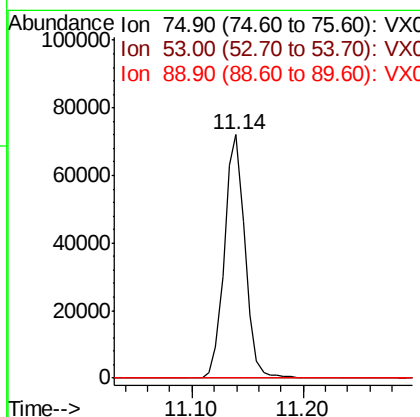
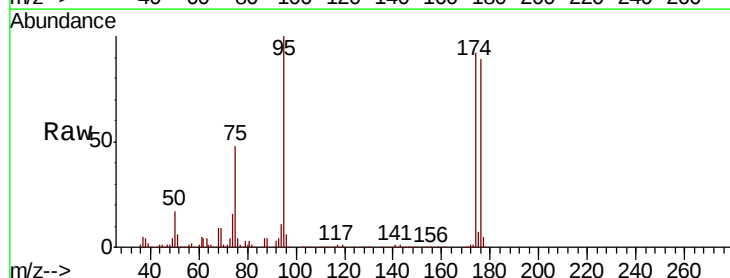
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW501-4953

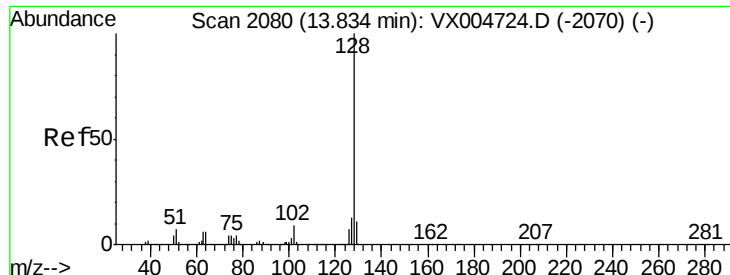
Tot Ion: 75 Resp: 91779
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.2 60.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.961 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.06 min
 Lab File: VX004871.D
 Acq: 01 Oct 2018 15:28

Tgt Ion: 75 Resp: 91779
 Ion Ratio Lower Upper
 75 100
 53 0.3 80.1 120.1#
 89 0.1 37.2 55.8#





#95

Naphthalene

Concen: 0.741 ug/l

RT: 13.84 min Scan# 2081

Delta R.T. 0.01 min

Lab File: VX004871.D

Acq: 01 Oct 2018 15:28

Instrument :

MSVOA_X

ClientSampleId :

SA-TW501-4953

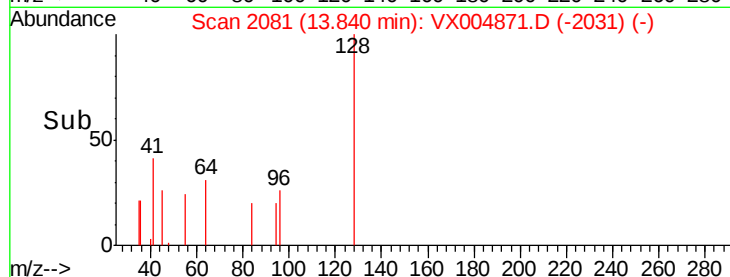
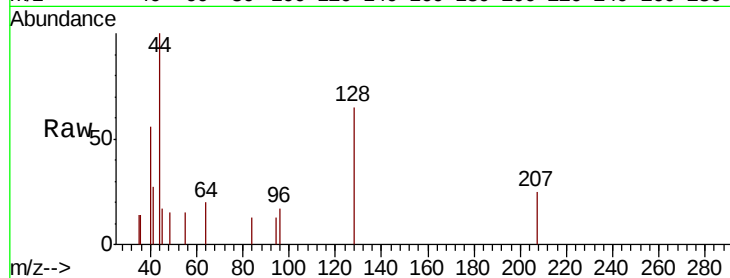
Tot Ion:128 Resp: 357

Ion Ratio Lower Upper

128 100

127 6.2 10.2 15.2#

129 0.0 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

