

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061920\
 Data File : VX016908.D
 Acq On : 20 Jun 2020 05:07
 Operator : JC/SP
 Sample : L3063-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-6B

Quant Time: Jun 22 01:53:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 19 12:07:48 2020
 Response via : Initial Calibration

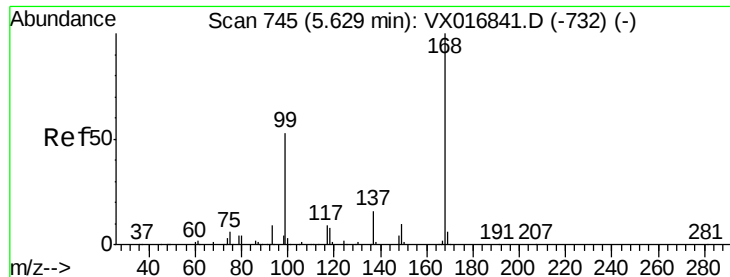
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	297744	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	463622	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	541500	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	249638	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	174722	48.79	ug/l	0.00
Spiked Amount			Recovery	=	97.58%	
35) Dibromofluoromethane	5.46	113	161057	54.30	ug/l	0.00
Spiked Amount			Recovery	=	108.60%	
50) Toluene-d8	8.70	98	555950	46.85	ug/l	0.00
Spiked Amount			Recovery	=	93.70%	
62) 4-Bromofluorobenzene	11.12	95	265198	58.33	ug/l	0.00
Spiked Amount			Recovery	=	116.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	1485	0.654	ug/l	75
11) Tert butyl alcohol	3.00	59	1403	2.318	ug/l #	72
13) Acrolein	2.27	56	369	1.005	ug/l #	15
16) Acetone	2.42	43	11568	8.899	ug/l	100
17) Carbon Disulfide	2.55	76	4463	0.543	ug/l #	93
18) Methyl Acetate	2.75	43	775	0.234	ug/l #	67
20) Methylene Chloride	2.83	84	2041	0.655	ug/l	98
25) 2-Butanone	4.65	43	2949	1.648	ug/l #	79
36) 1,1-Dichloropropene	5.63	75	19932	4.656	ug/l #	48
38) Carbon Tetrachloride	5.63	117	27887	5.806	ug/l #	16
76) 1,2,3-Trichloropropane	11.12	75	127542	27.975	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	127542	68.505	ug/l #	14

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

```
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Acq On    : 20 Jun 2020 05:07
Operator  : JC/SP
Sample    : L3063-07
Misc      : 5.0mL/MSVOA X/WATER
ALS Vial  : 41 Sample Multiplier: 1
```



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016908.D

Acq: 20 Jun 2020 05:07

Instrument :

MSVOA_X

ClientSampleId :

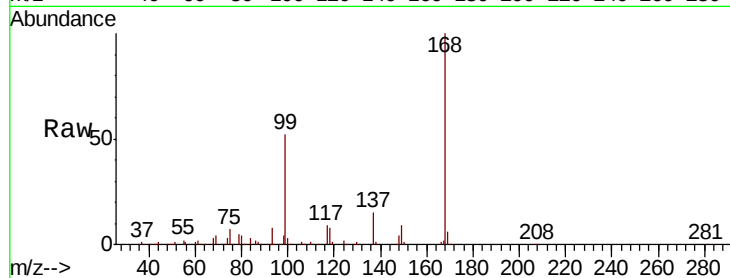
TW-6B

Tot Ion:168 Resp: 297744

Ion Ratio Lower Upper

168 100

99 51.9 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

60000

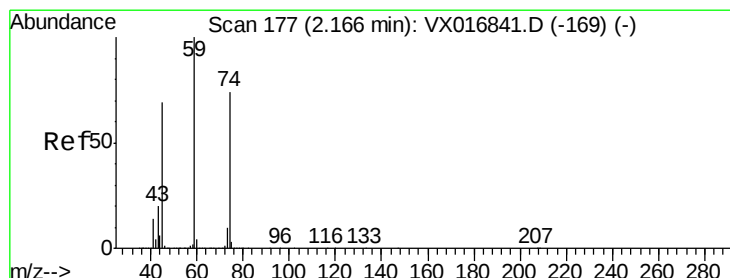
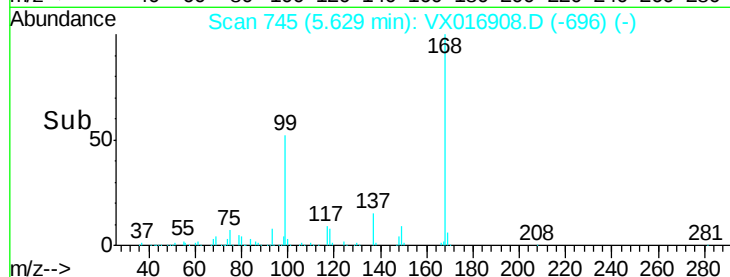
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 0.654 ug/l

RT: 2.17 min Scan# 177

Delta R.T. -0.00 min

Lab File: VX016908.D

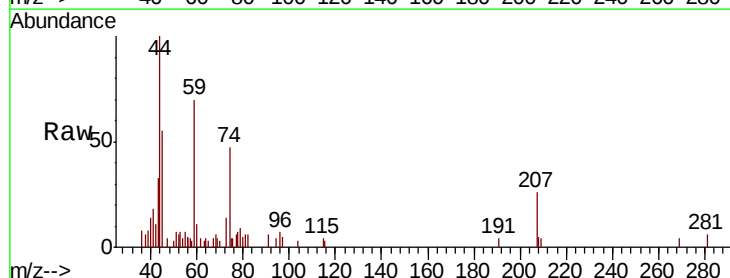
Acq: 20 Jun 2020 05:07

Tgt Ion: 74 Resp: 1485

Ion Ratio Lower Upper

74 100

45 67.3 45.3 135.8



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

1200

1000

800

600

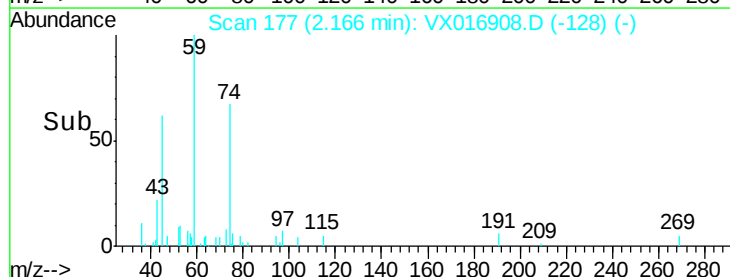
400

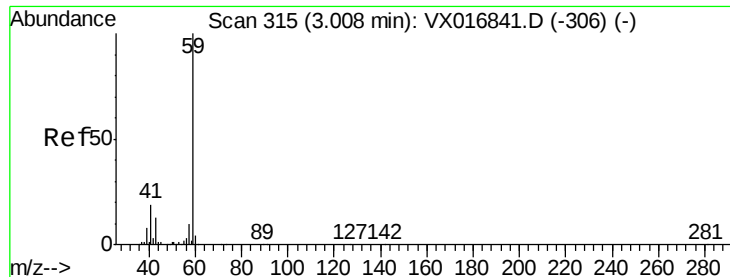
200

0

Time-->

2.10 2.15 2.20



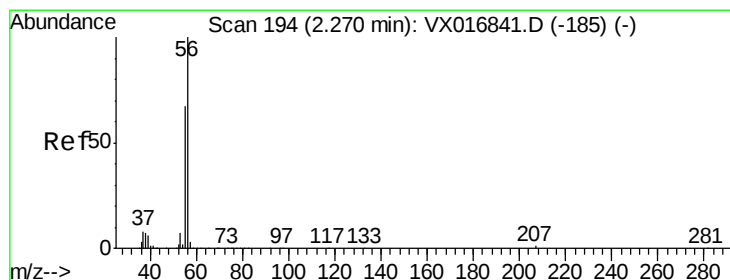
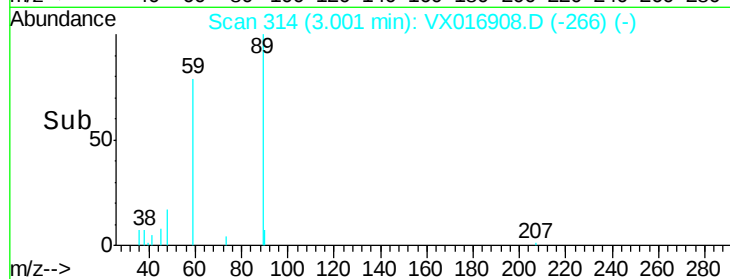
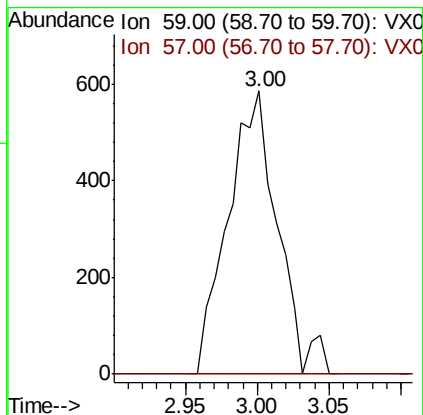
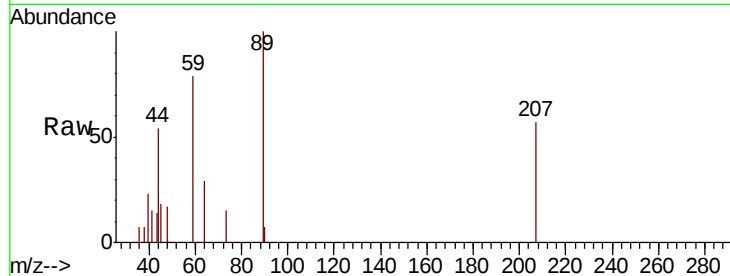


#11

Tert butyl alcohol
 Concen: 2.318 ug/l
 RT: 3.00 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX016908.D
 Acq: 20 Jun 2020 05:07

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-6B

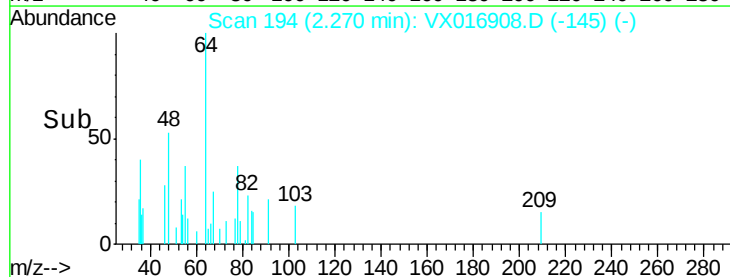
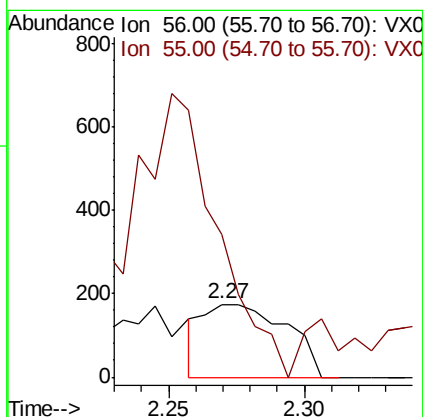
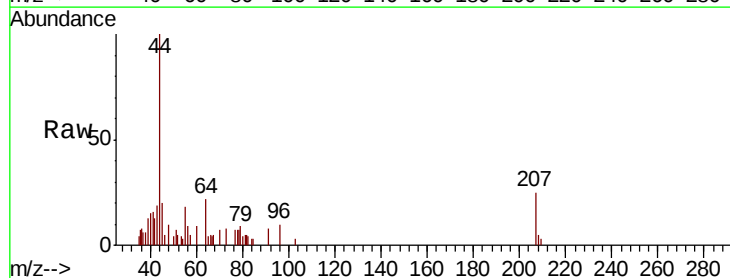
Tot Ion: 59 Resp: 1403
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

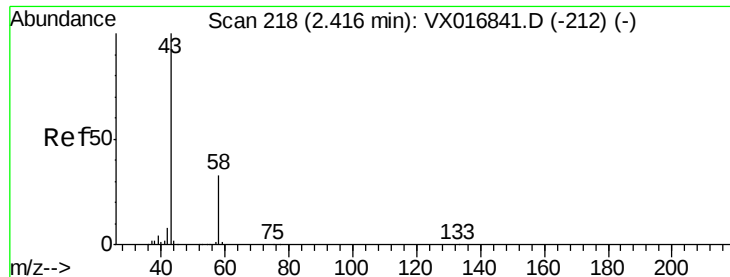


#13

Acrolein
 Concen: 1.005 ug/l
 RT: 2.27 min Scan# 194
 Delta R.T. -0.00 min
 Lab File: VX016908.D
 Acq: 20 Jun 2020 05:07

Tgt Ion: 56 Resp: 369
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.7 83.5#





#16

Acetone

Concen: 8.899 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016908.D

Acq: 20 Jun 2020 05:07

Instrument :

MSVOA_X

ClientSampled :

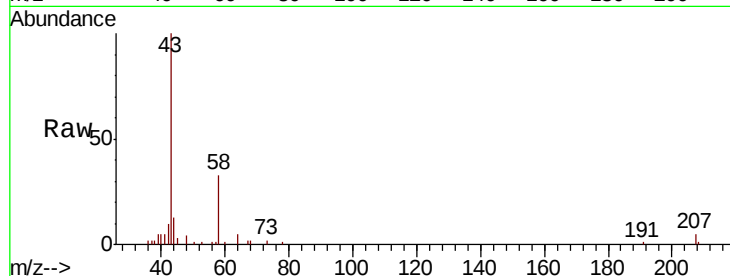
TW-6B

Tot Ion: 43 Resp: 11568

Ion Ratio Lower Upper

43 100

58 33.4 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

6000

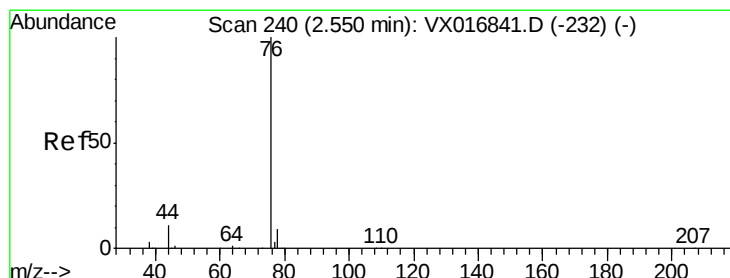
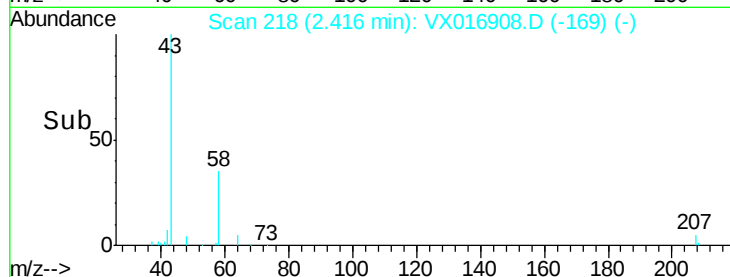
4000

2000

0

Time-->

2.35 2.40 2.45 2.50 2.55



#17

Carbon Disulfide

Concen: 0.543 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016908.D

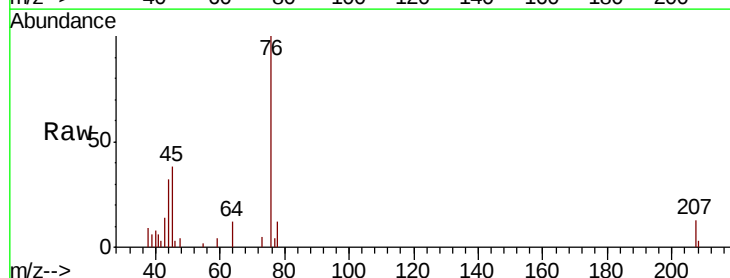
Acq: 20 Jun 2020 05:07

Tgt Ion: 76 Resp: 4463

Ion Ratio Lower Upper

76 100

78 12.1 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.55

2500

2000

1500

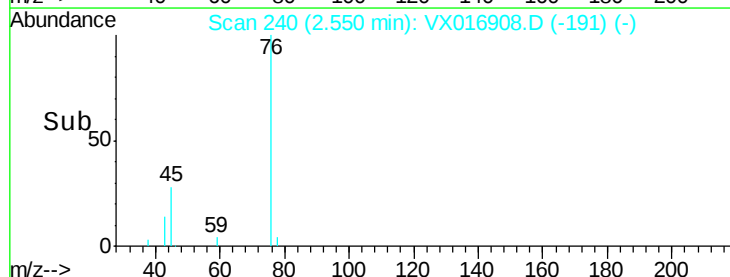
1000

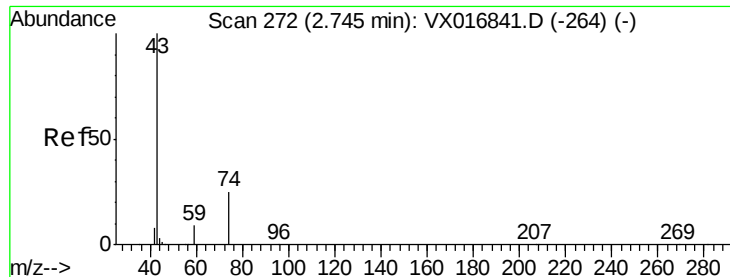
500

0

Time-->

2.50 2.55 2.60

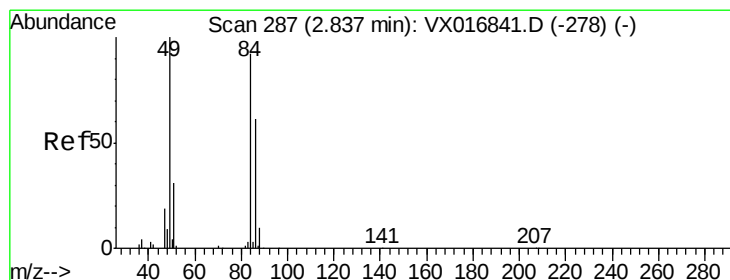
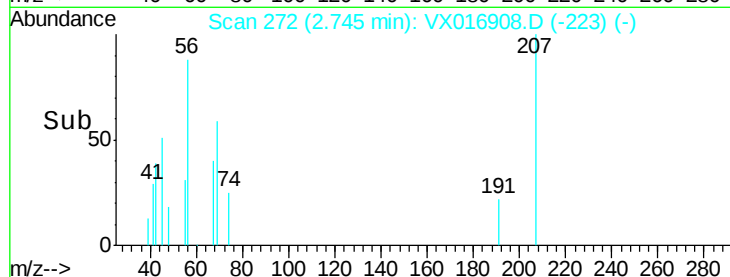
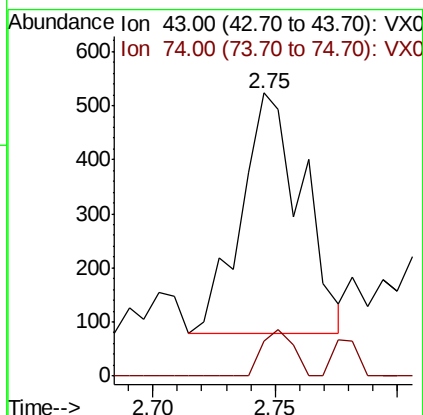
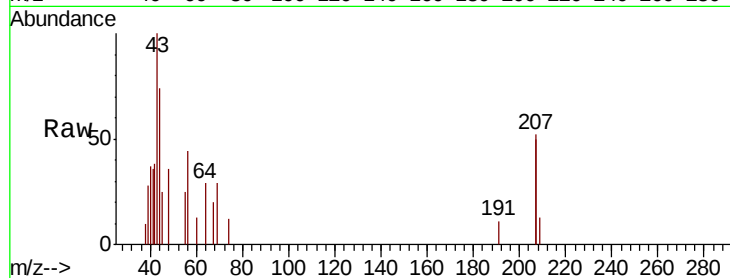




#18
Methyl Acetate
Concen: 0.234 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.00 min
Lab File: VX016908.D
Acq: 20 Jun 2020 05:07

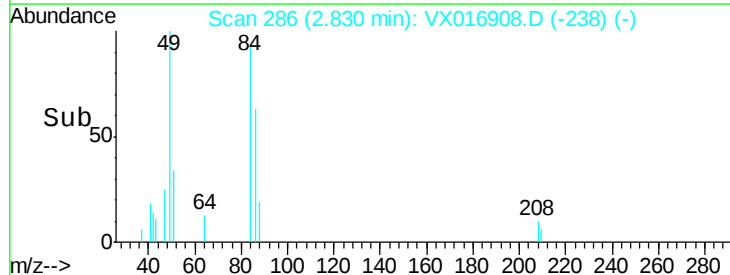
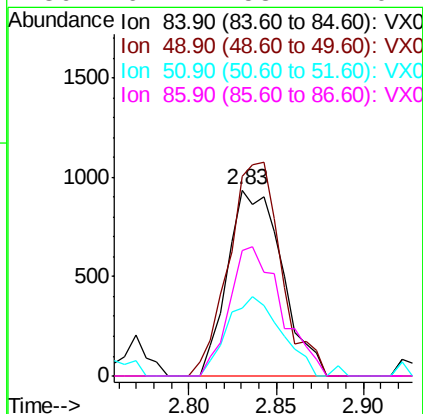
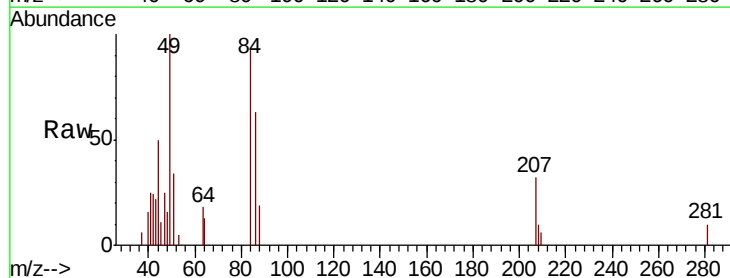
Instrument :
MSVOA_X
ClientSampled :
TW-6B

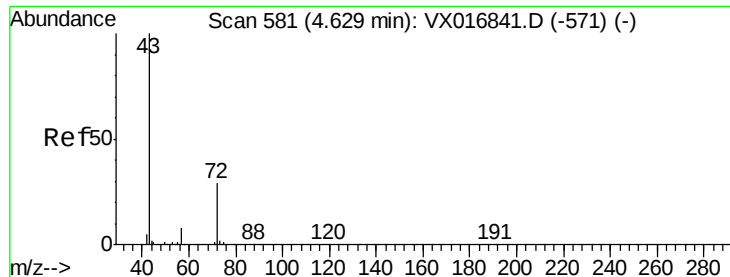
Tot Ion: 43 Resp: 775
Ion Ratio Lower Upper
43 100
74 9.9 21.8 32.8#



#20
Methylene Chloride
Concen: 0.655 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX016908.D
Acq: 20 Jun 2020 05:07

Tgt Ion: 84 Resp: 2041
Ion Ratio Lower Upper
84 100
49 107.4 86.6 129.8
51 36.8 27.1 40.7
86 67.2 53.1 79.7





#25

2-Butanone

Concen: 1.648 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.02 min

Lab File: VX016908.D

Acq: 20 Jun 2020 05:07

Instrument :

MSVOA_X

ClientSampled :

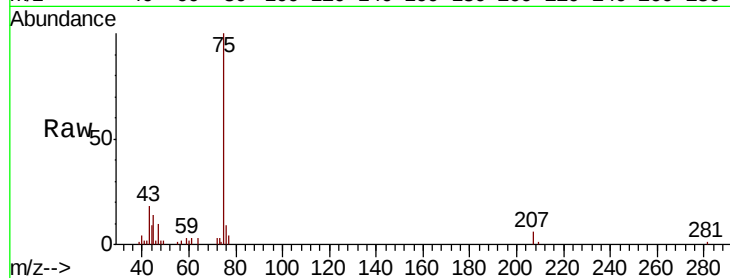
TW-6B

Tot Ion: 43 Resp: 2949

Ion Ratio Lower Upper

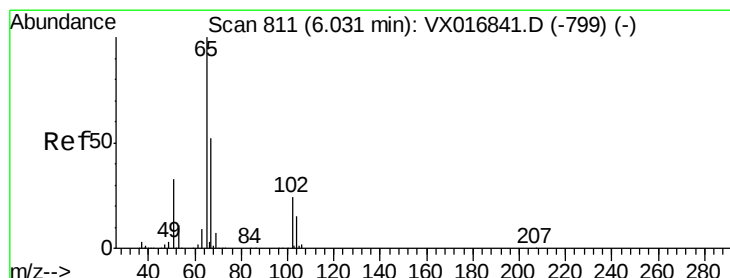
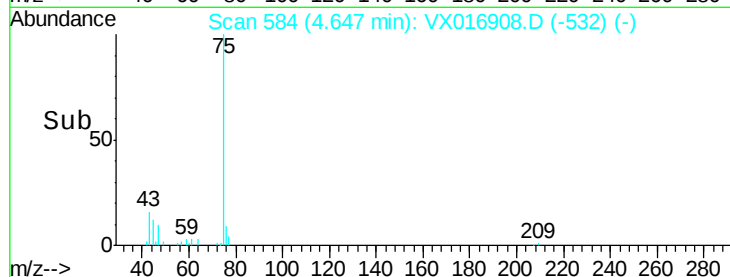
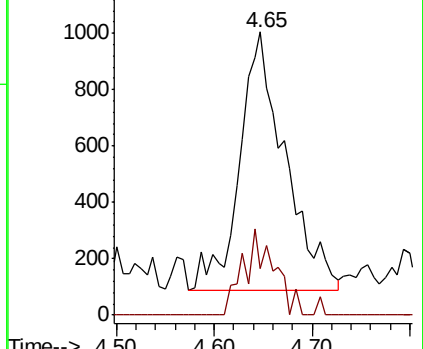
43 100

72 17.9 23.5 35.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.793 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016908.D

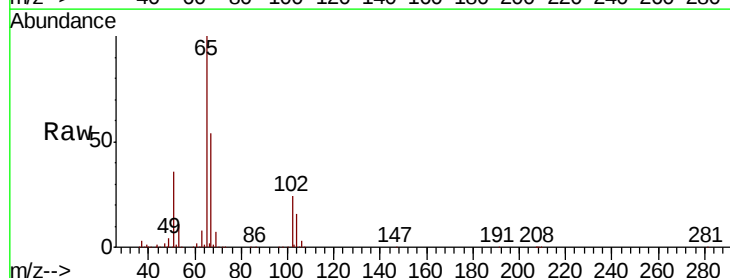
Acq: 20 Jun 2020 05:07

Tgt Ion: 65 Resp: 174722

Ion Ratio Lower Upper

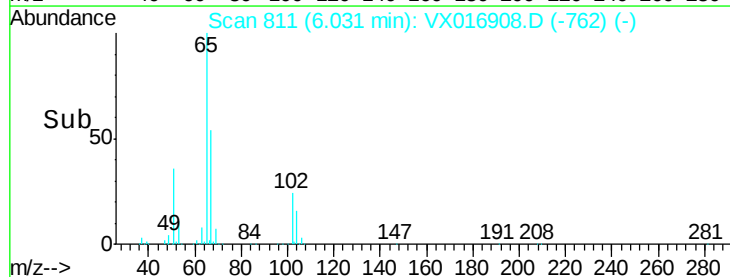
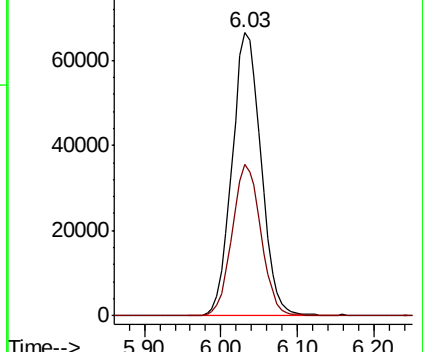
65 100

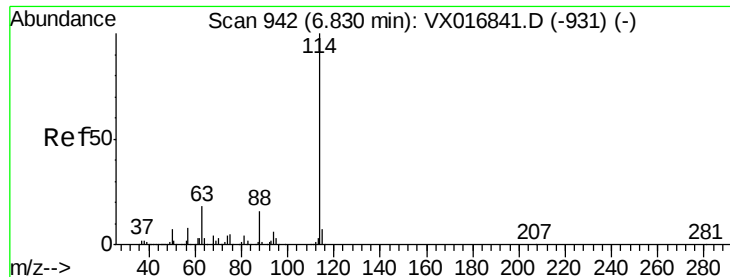
67 53.4 0.0 102.6



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: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016908.D

Acq: 20 Jun 2020 05:07

Instrument :

MSVOA_X

ClientSampled :

TW-6B

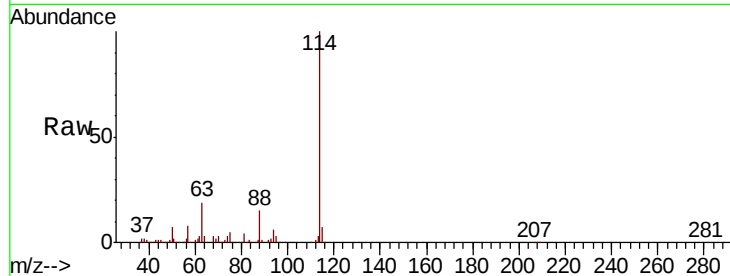
Tot Ion:114 Resp: 463622

Ion Ratio Lower Upper

114 100

63 18.6 0.0 37.0

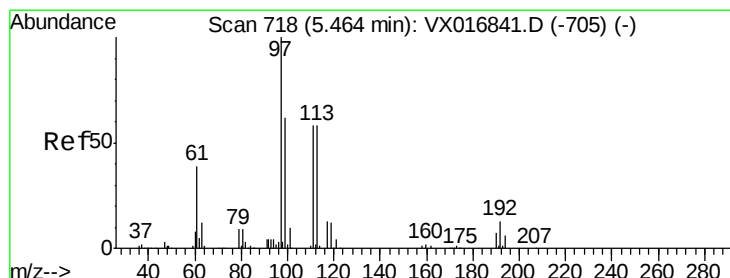
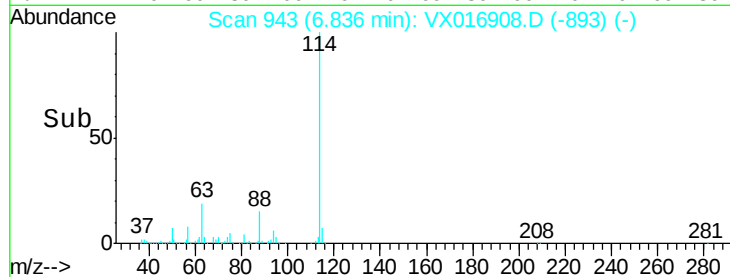
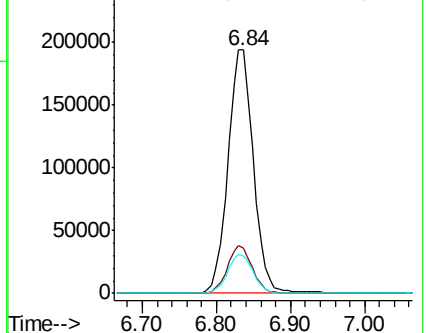
88 15.4 0.0 32.0



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: 54.305 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016908.D

Acq: 20 Jun 2020 05:07

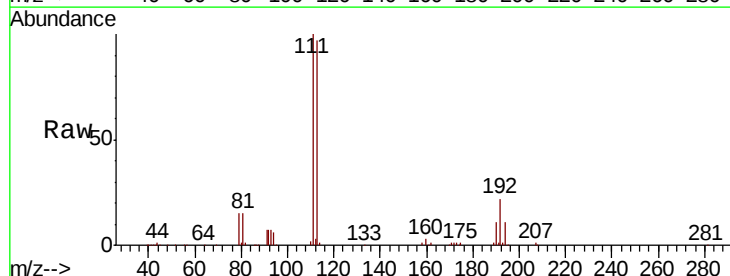
Tgt Ion:113 Resp: 161057

Ion Ratio Lower Upper

113 100

111 102.8 81.0 121.4

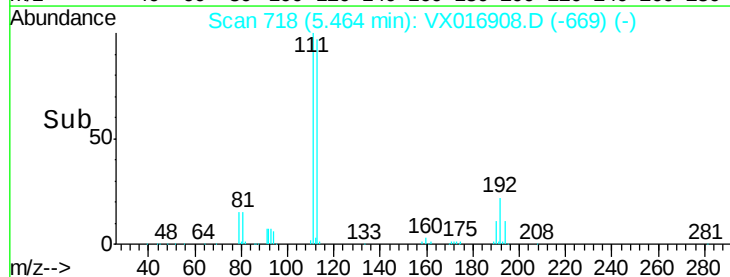
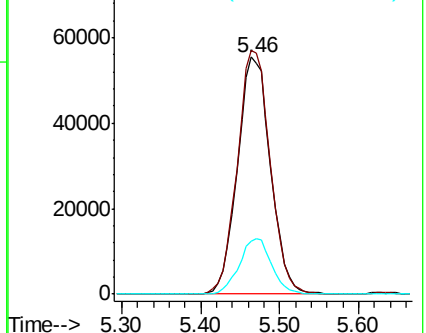
192 23.0 18.5 27.7

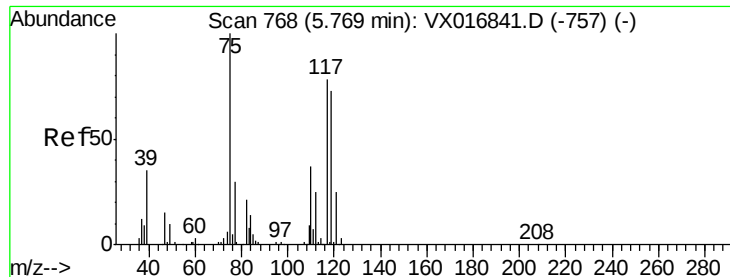


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.656 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016908.D

Acq: 20 Jun 2020 05:07

Instrument :

MSVOA_X

ClientSampleId :

TW-6B

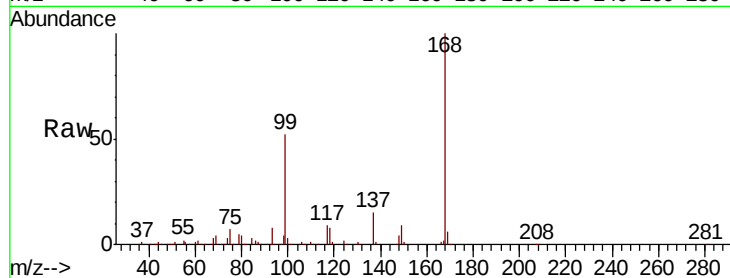
Tot Ion: 75 Resp: 19932

Ion Ratio Lower Upper

75 100

110 9.8 18.9 56.9#

77 0.0 25.6 38.4#

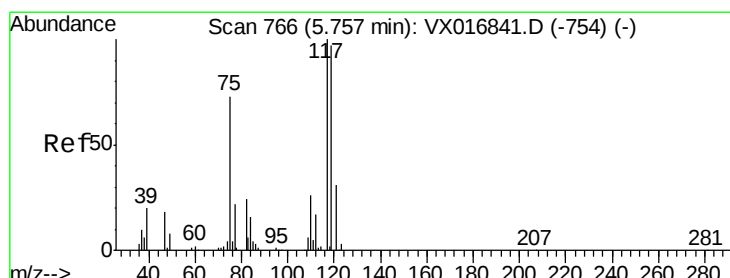
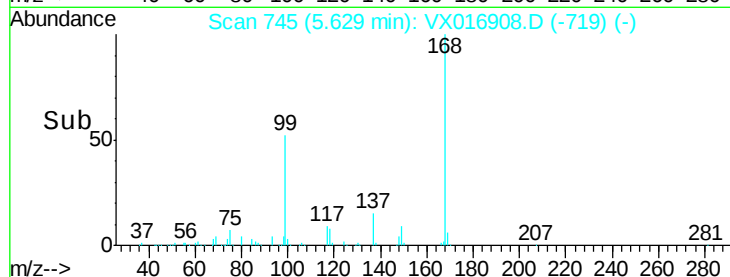


Abundance Ion 74.90 (74.60 to 75.60): VX016908.D (-719) (-)

Ion 109.90 (109.60 to 110.60): VX016908.D (-719) (-)

Ion 76.90 (76.60 to 77.60): VX016908.D (-719) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.806 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016908.D

Acq: 20 Jun 2020 05:07

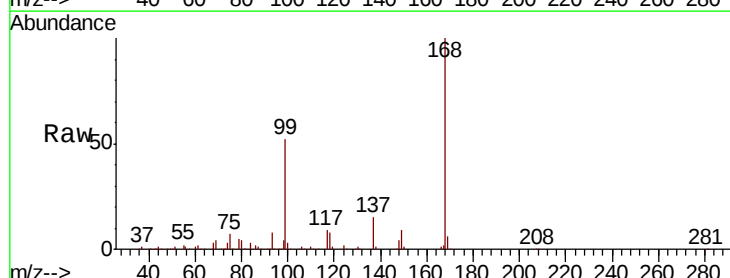
Tgt Ion: 117 Resp: 27887

Ion Ratio Lower Upper

117 100

119 5.5 77.4 116.2#

121 0.0 24.7 37.1#

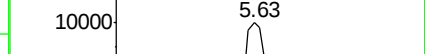
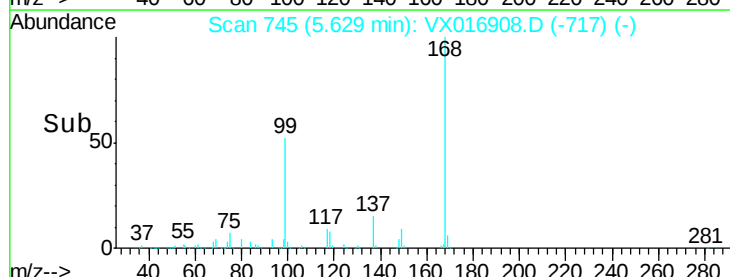


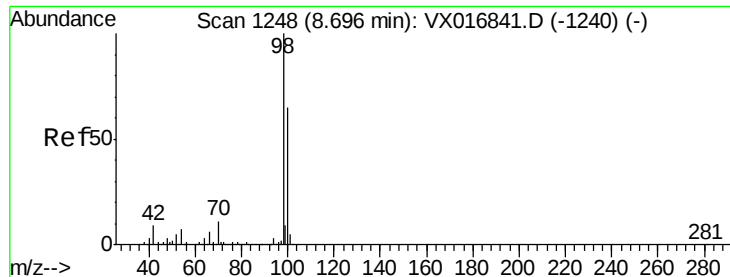
Abundance Ion 116.80 (116.50 to 117.50): VX016908.D (-717) (-)

Ion 118.80 (118.50 to 119.50): VX016908.D (-717) (-)

Ion 120.80 (120.50 to 121.50): VX016908.D (-717) (-)

Time-->

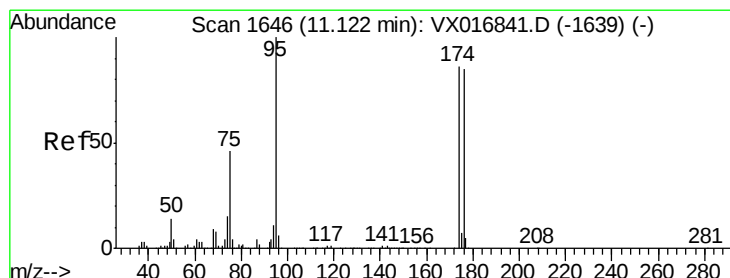
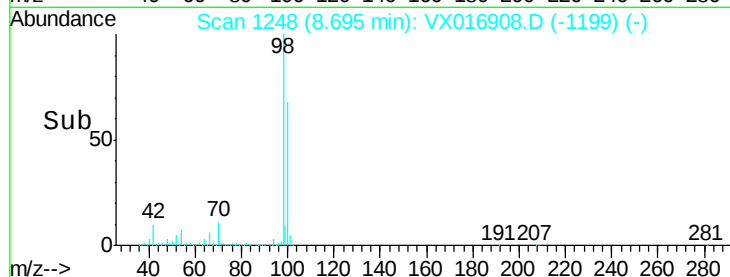
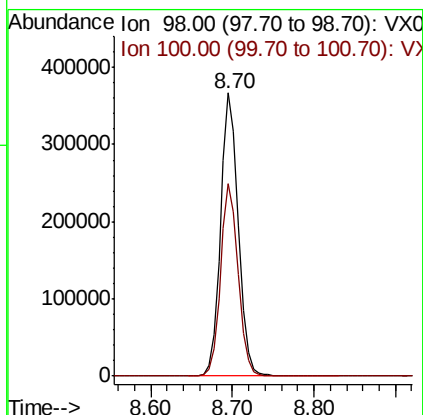
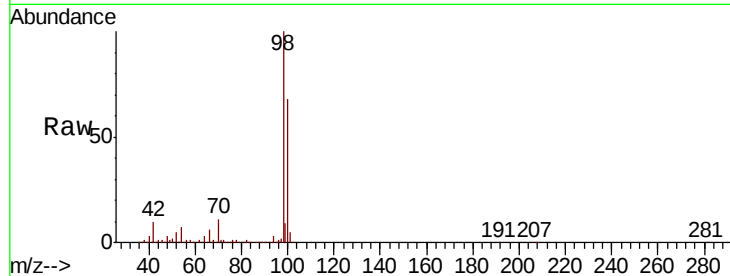




#50
Toluene-d8
Concen: 46.853 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016908.D
Acq: 20 Jun 2020 05:07

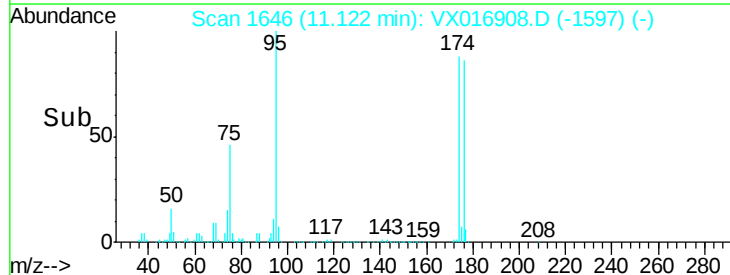
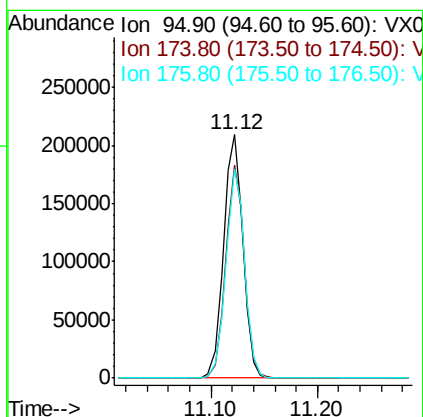
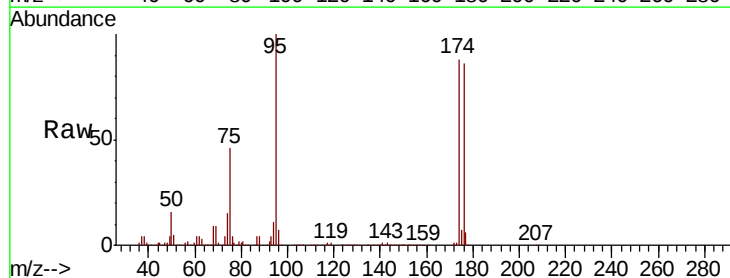
Instrument :
MSVOA_X
ClientSampleId :
TW-6B

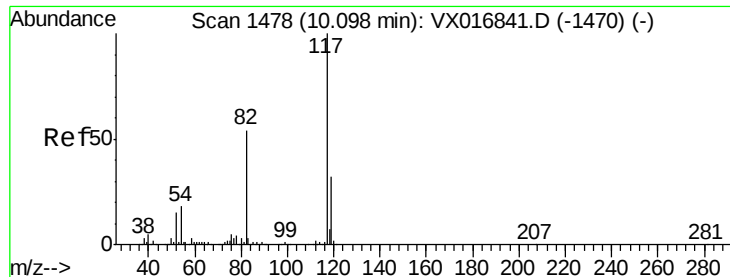
Tot Ion: 98 Resp: 555950
Ion Ratio Lower Upper
98 100
100 67.5 54.0 81.0



#62
4-Bromofluorobenzene
Concen: 58.333 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016908.D
Acq: 20 Jun 2020 05:07

Tgt Ion: 95 Resp: 265198
Ion Ratio Lower Upper
95 100
174 84.5 0.0 174.2
176 83.5 0.0 170.0

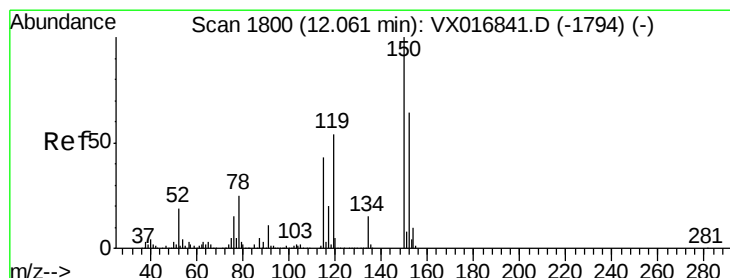
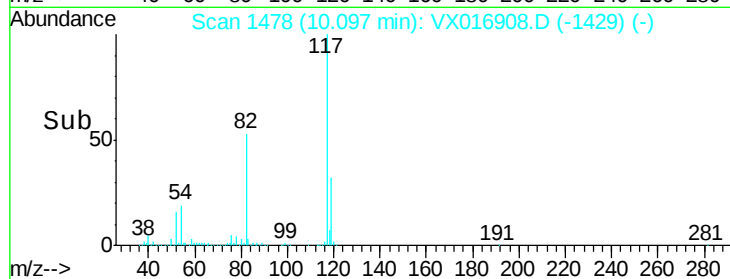
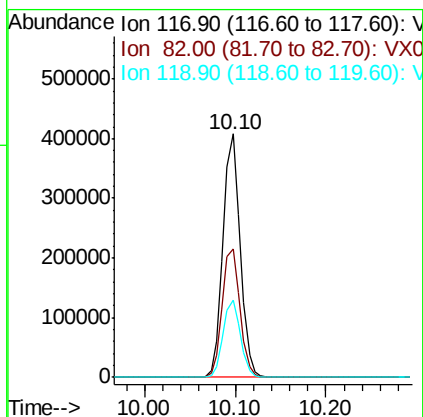
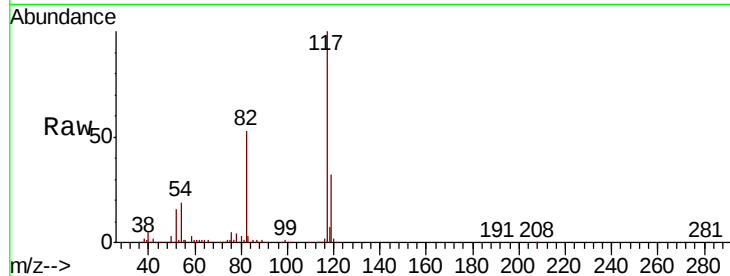




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016908.D
Acq: 20 Jun 2020 05:07

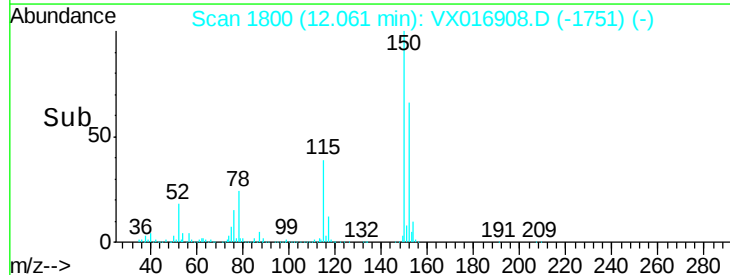
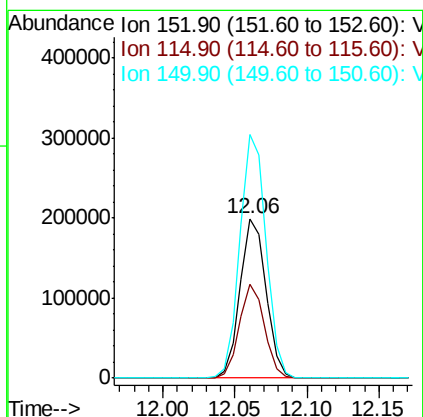
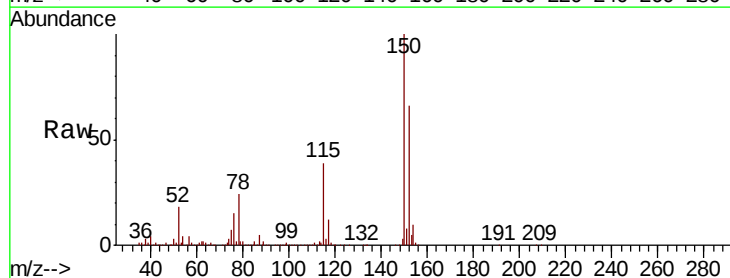
Instrument :
MSVOA_X
ClientSampled :
TW-6B

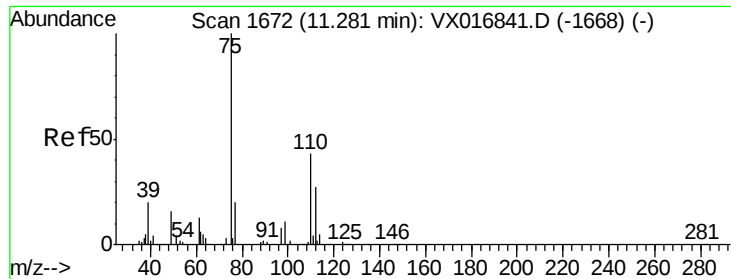
Tot Ion:117 Resp: 541500
Ion Ratio Lower Upper
117 100
82 52.8 43.4 65.0
119 31.6 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016908.D
Acq: 20 Jun 2020 05:07

Tgt Ion:152 Resp: 249638
Ion Ratio Lower Upper
152 100
115 57.3 40.9 122.8
150 153.9 0.0 344.2





#76

1,2,3-Trichloropropane

Concen: 27.975 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016908.D

Acq: 20 Jun 2020 05:07

Instrument :

MSVOA_X

ClientSampled :

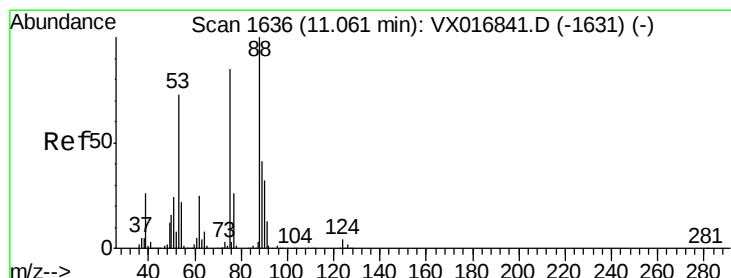
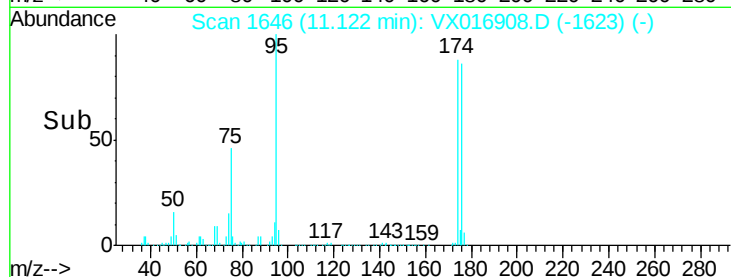
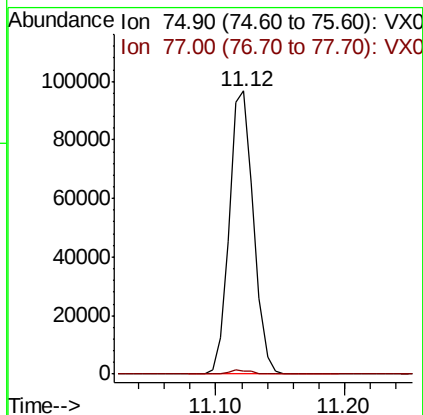
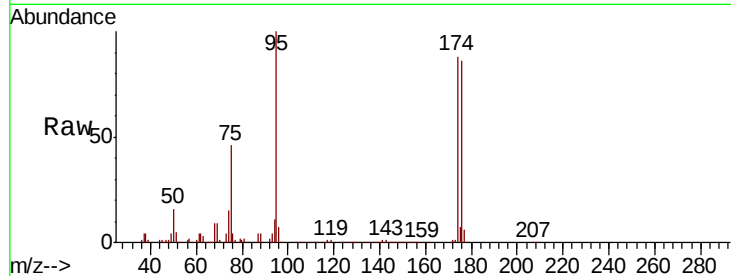
TW-6B

Tot Ion: 75 Resp: 127542

Ion Ratio Lower Upper

75 100

77 1.4 20.5 61.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.505 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016908.D

Acq: 20 Jun 2020 05:07

Tgt Ion: 75 Resp: 127542

Ion Ratio Lower Upper

75 100

53 0.1 69.8 104.8#

89 0.0 38.3 57.5#

