

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061920\
 Data File : VX016911.D
 Acq On : 20 Jun 2020 06:16
 Operator : JC/SP
 Sample : L3063-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-10

Quant Time: Jun 22 01:54:56 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	328531	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	478781	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	477602	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	302431	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	178439	45.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.32%	
35) Dibromofluoromethane	5.46	113	166589	54.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.78%	
50) Toluene-d8	8.70	98	567890	46.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.68%	
62) 4-Bromofluorobenzene	11.12	95	263917	56.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.42%	

Target Compounds

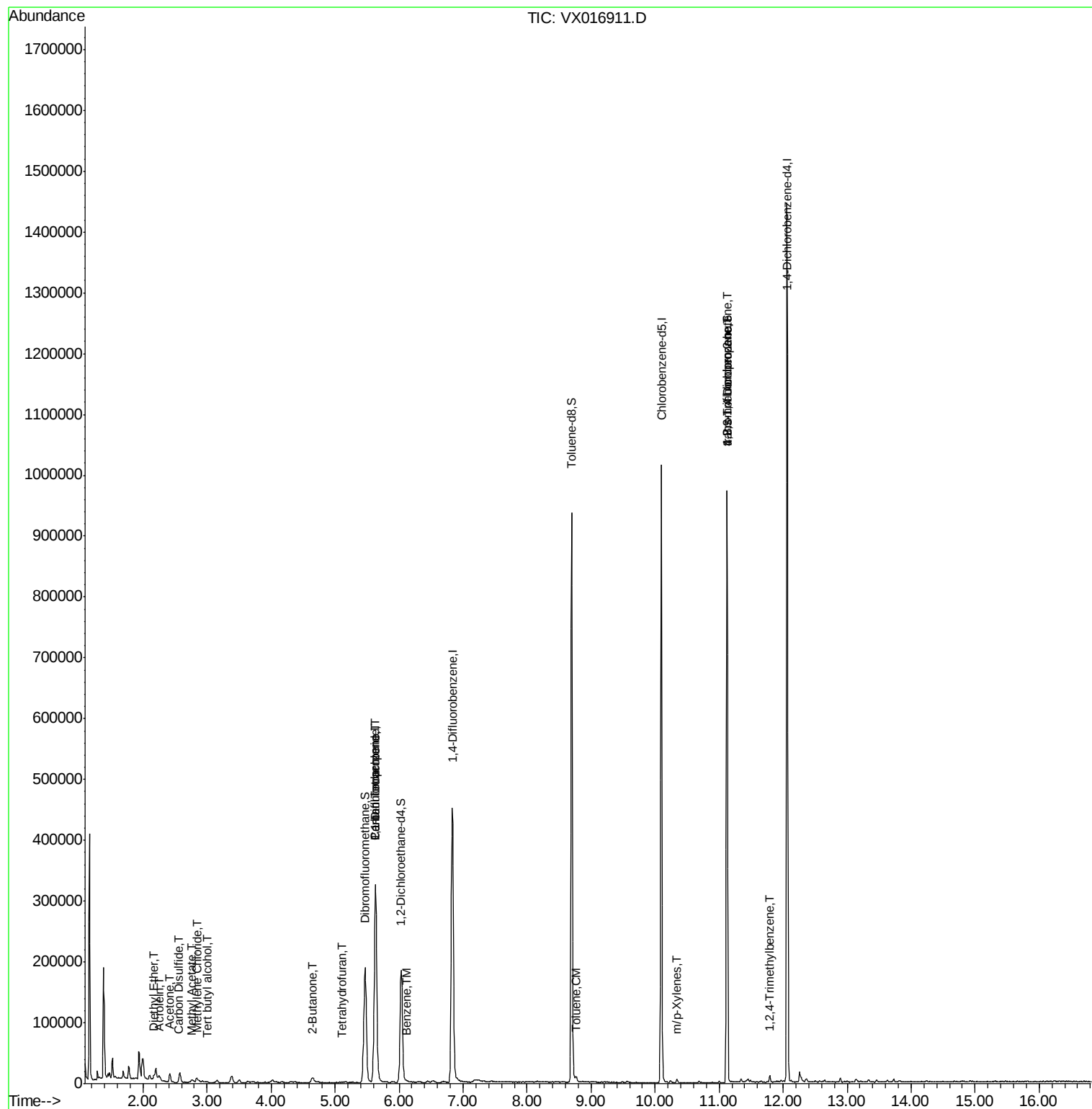
					Qvalue	
8) Diethyl Ether	2.17	74	1951	0.778	ug/l	95
11) Tert butyl alcohol	3.00	59	912	1.365	ug/l #	72
13) Acrolein	2.25	56	191	0.472	ug/l #	1
16) Acetone	2.42	43	13315	9.283	ug/l	97
17) Carbon Disulfide	2.55	76	2179	0.240	ug/l #	94
18) Methyl Acetate	2.75	43	1589	0.436	ug/l #	55
20) Methylene Chloride	2.84	84	3690	1.073	ug/l #	89
25) 2-Butanone	4.64	43	2878	1.458	ug/l #	84
29) Tetrahydrofuran	5.12	42	264	0.212	ug/l #	28
36) 1,1-Dichloropropene	5.63	75	22709	5.137	ug/l #	48
38) Carbon Tetrachloride	5.63	117	29922	6.032	ug/l #	16
40) Benzene	6.11	78	3646	0.275	ug/l	99
52) Toluene	8.77	92	2737	0.311	ug/l	99
68) m/p-Xylenes	10.34	106	1483	0.234	ug/l	85
76) 1,2,3-Trichloropropane	11.12	75	125987	22.810	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	125987	55.858	ug/l #	14
84) 1,2,4-Trimethylbenzene	11.79	105	4068	0.235	ug/l	99

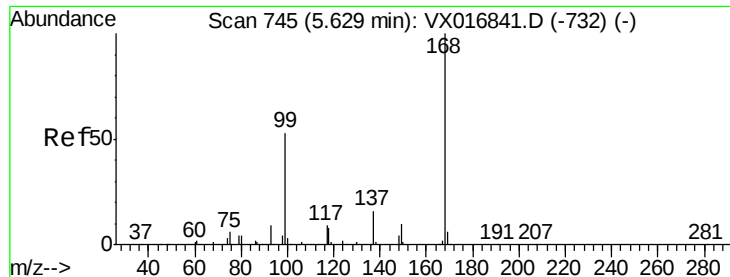
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 19 12:07:48 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX016911.D

Acq: 20 Jun 2020 06:16

Instrument :

MSVOA_X

ClientSampled :

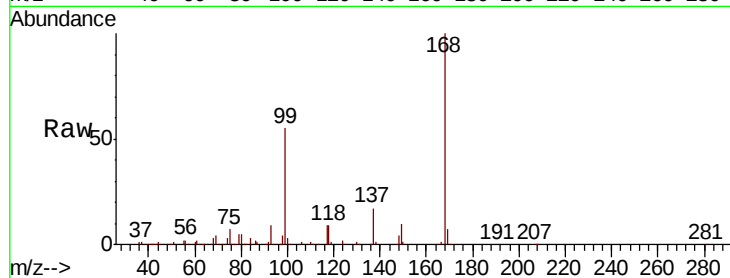
TW-10

Tot Ion:168 Resp: 328531

Ion Ratio Lower Upper

168 100

99 54.5 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

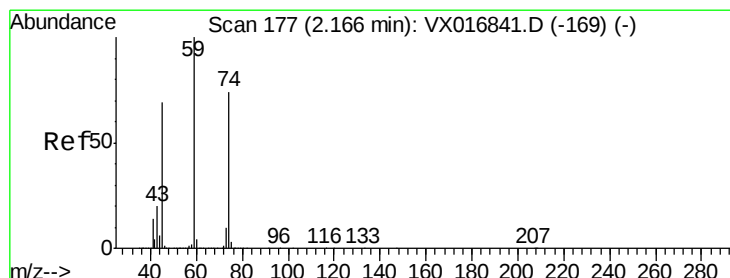
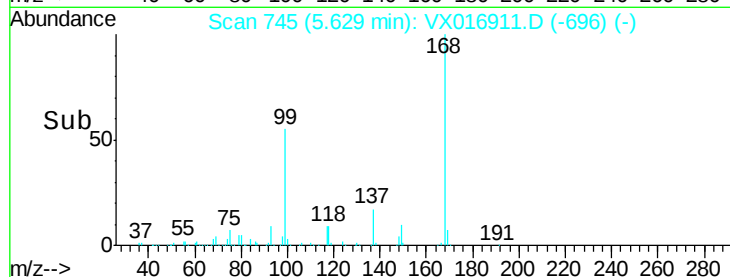
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 0.778 ug/l

RT: 2.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VX016911.D

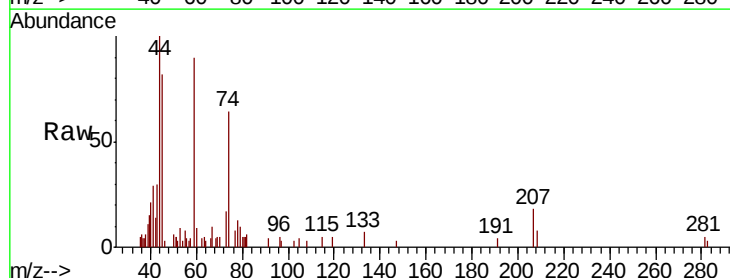
Acq: 20 Jun 2020 06:16

Tgt Ion: 74 Resp: 1951

Ion Ratio Lower Upper

74 100

45 95.4 45.3 135.8



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.17

1500

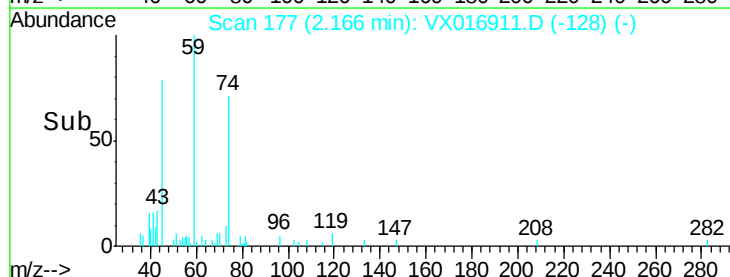
1000

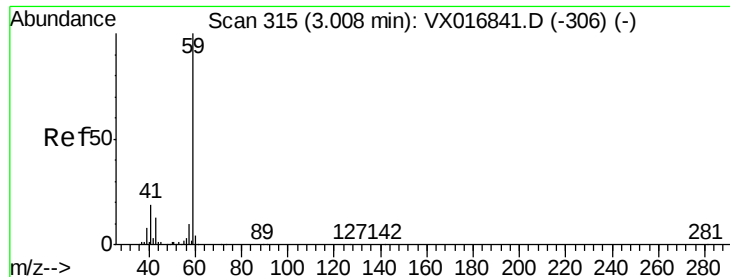
500

0

Time-->

2.10 2.15 2.20



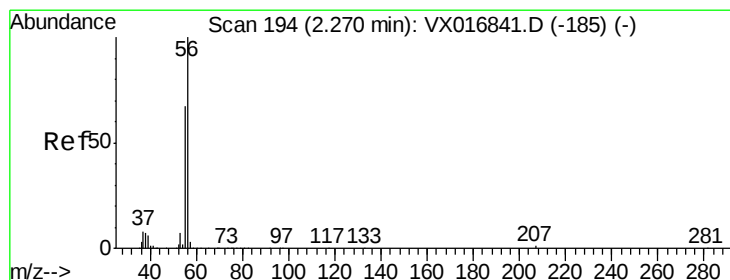
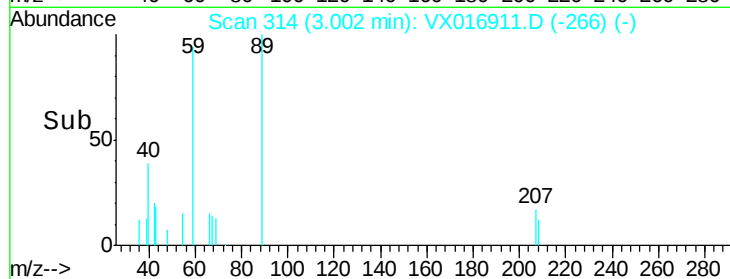
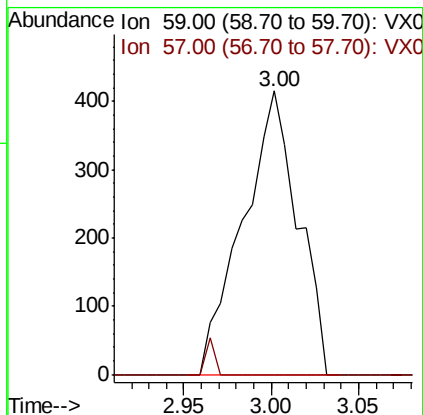
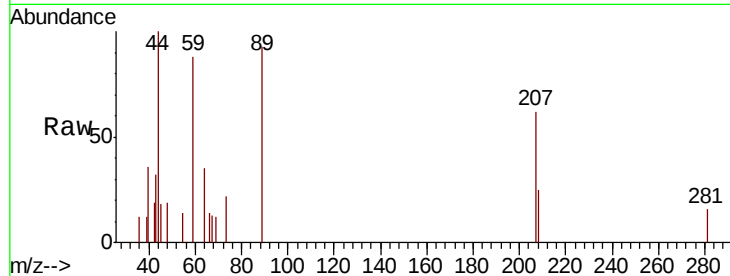


#11

Tert butvl alcohol
Concen: 1.365 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX016911.D
Acq: 20 Jun 2020 06:16

Instrument :
MSVOA_X
ClientSampleId :
TW-10

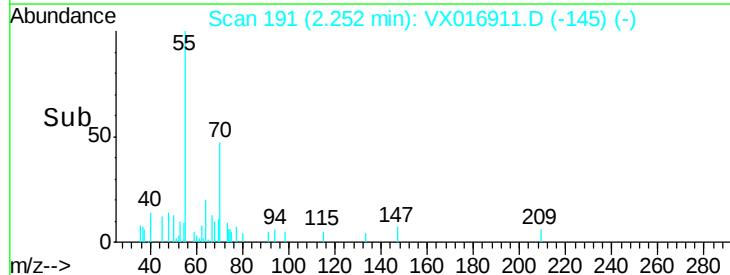
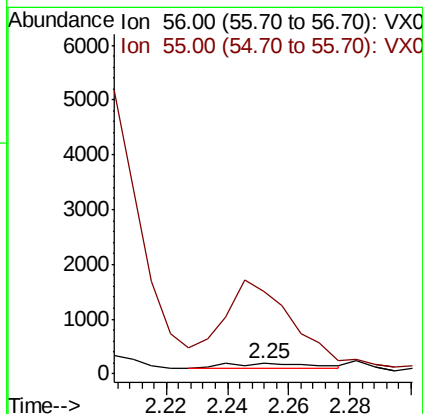
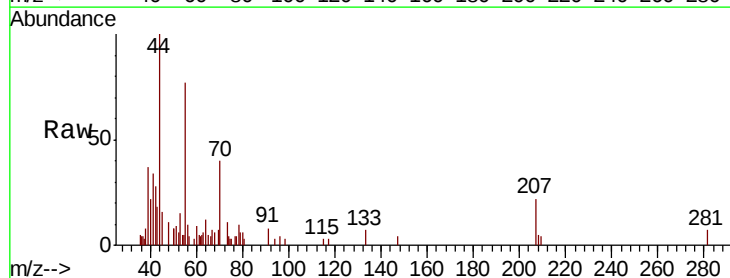
Tot Ion: 59 Resp: 912
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#

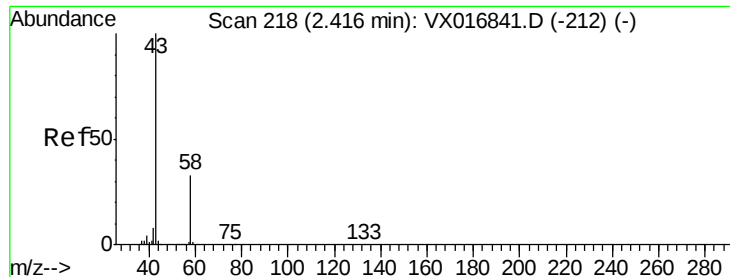


#13

Acrolein
Concen: 0.472 ug/l
RT: 2.25 min Scan# 191
Delta R.T. -0.02 min
Lab File: VX016911.D
Acq: 20 Jun 2020 06:16

Tgt Ion: 56 Resp: 191
Ion Ratio Lower Upper
56 100
55 1678.0 55.7 83.5#





#16

Acetone

Concen: 9.283 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX016911.D

Acq: 20 Jun 2020 06:16

Instrument :

MSVOA_X

ClientSampleId :

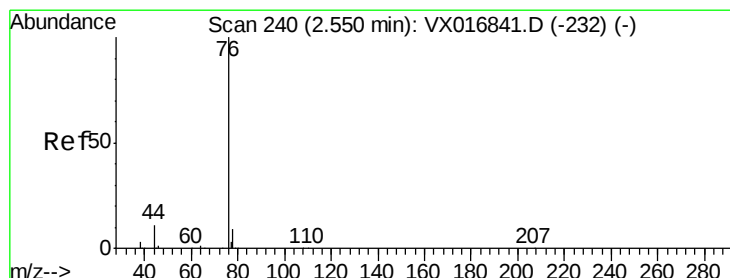
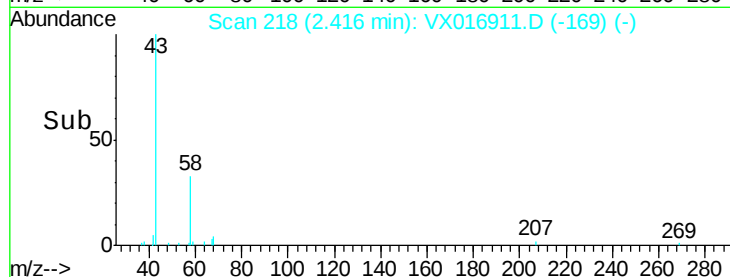
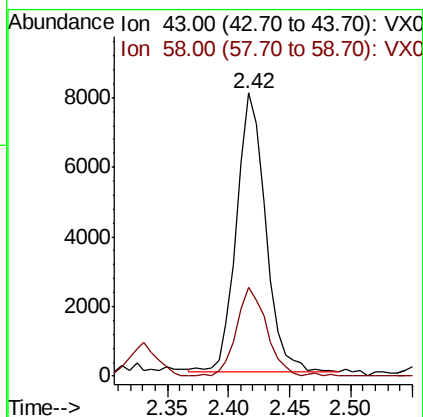
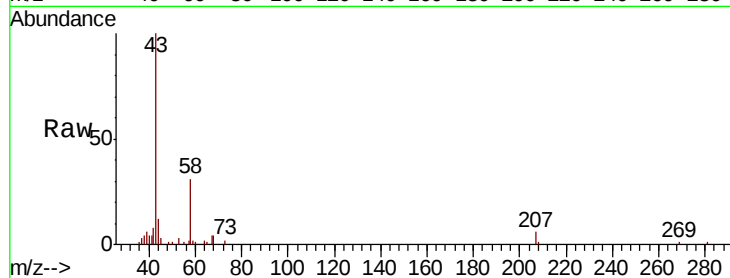
TW-10

Tot Ion: 43 Resp: 13315

Ion Ratio Lower Upper

43 100

58 31.7 26.6 39.8



#17

Carbon Disulfide

Concen: 0.240 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016911.D

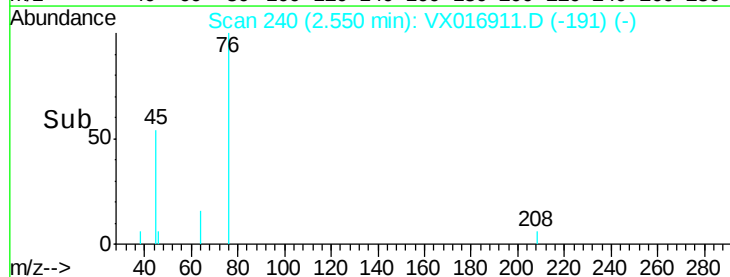
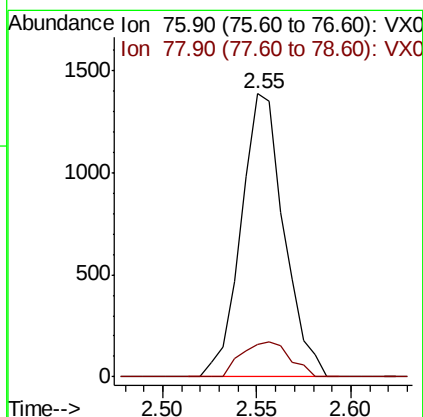
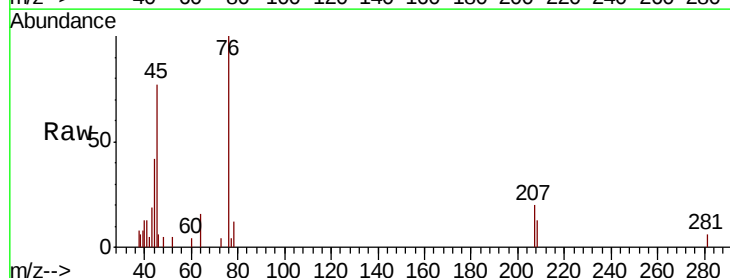
Acq: 20 Jun 2020 06:16

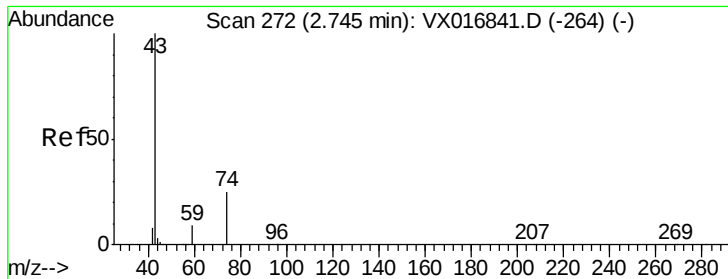
Tgt Ion: 76 Resp: 2179

Ion Ratio Lower Upper

76 100

78 11.6 7.5 11.3#

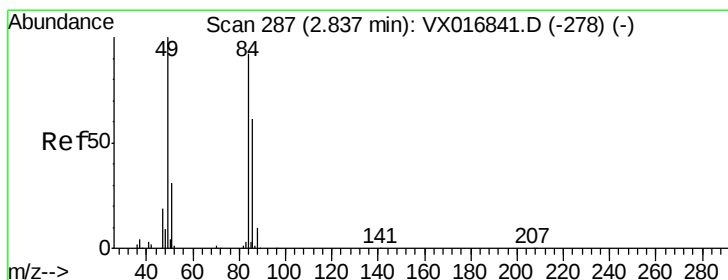
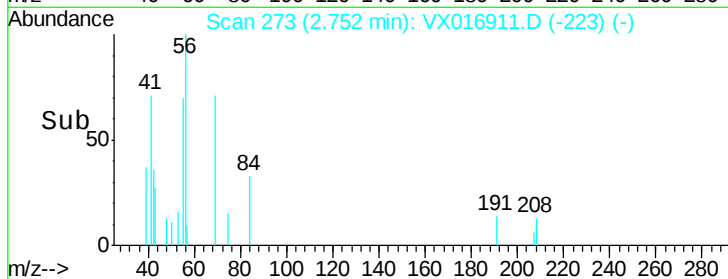
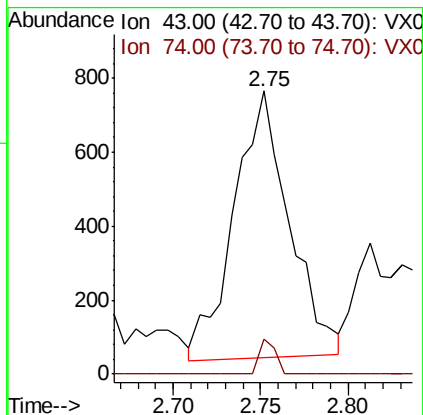
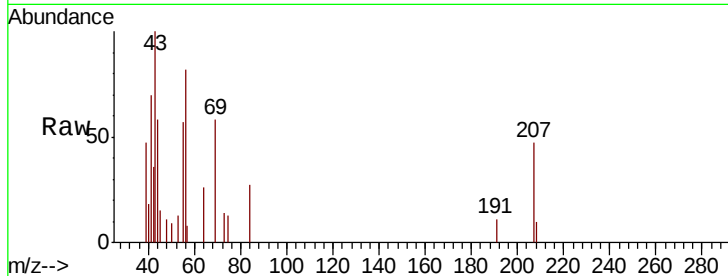




#18
Methyl Acetate
Concen: 0.436 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX016911.D
Acq: 20 Jun 2020 06:16

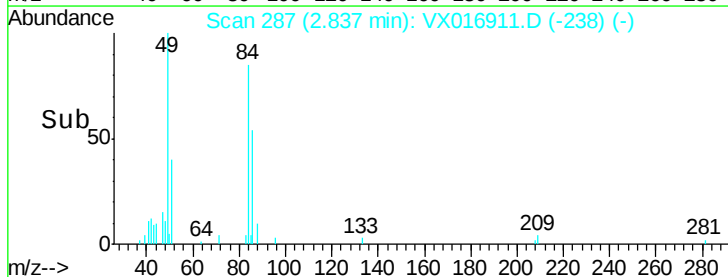
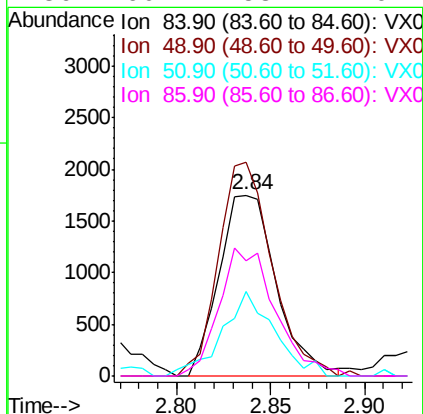
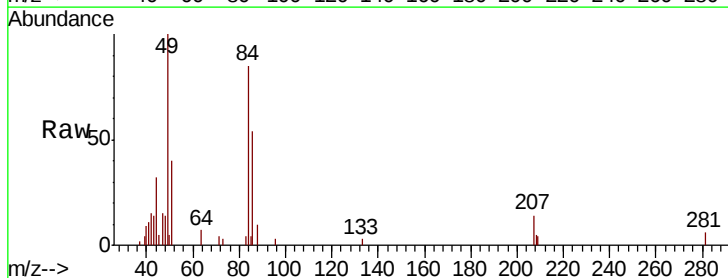
Instrument :
MSVOA_X
ClientSampleId :
TW-10

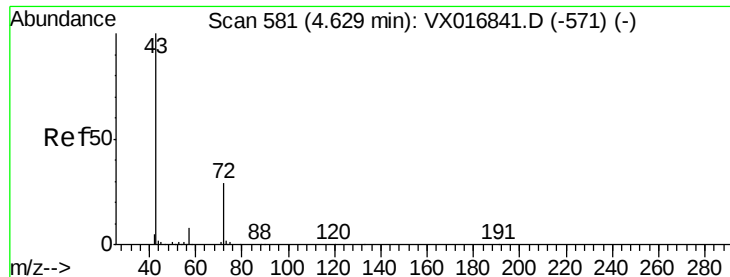
Tot Ion: 43 Resp: 1589
Ion Ratio Lower Upper
43 100
74 3.8 21.8 32.8#



#20
Methylene Chloride
Concen: 1.073 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX016911.D
Acq: 20 Jun 2020 06:16

Tgt Ion: 84 Resp: 3690
Ion Ratio Lower Upper
84 100
49 118.2 86.6 129.8
51 46.7 27.1 40.7#
86 60.7 53.1 79.7





#25

2-Butanone

Concen: 1.458 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX016911.D

Acq: 20 Jun 2020 06:16

Instrument :

MSVOA_X

ClientSampled :

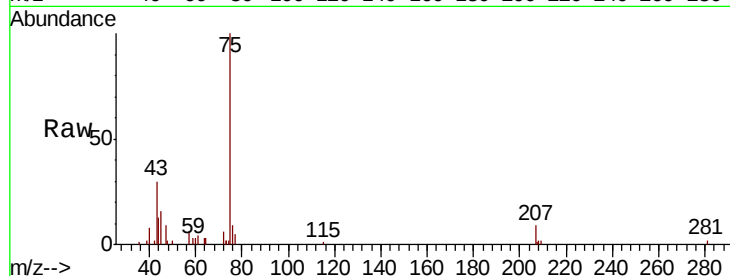
TW-10

Tot Ion: 43 Resp: 2878

Ion Ratio Lower Upper

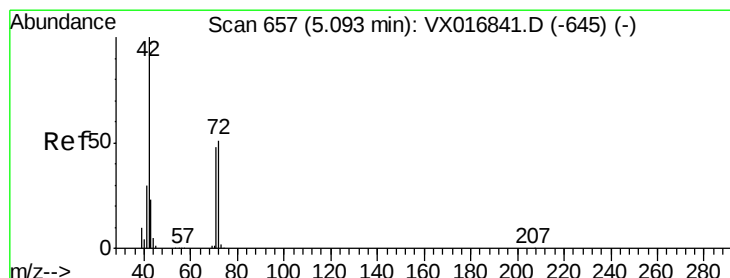
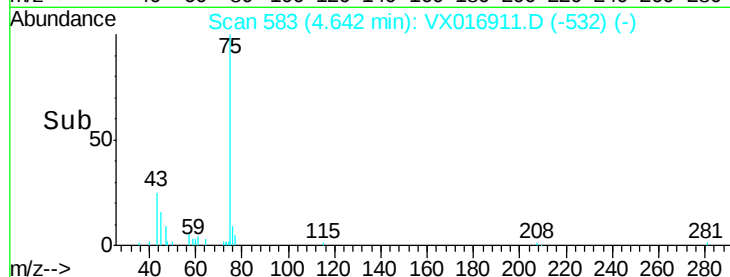
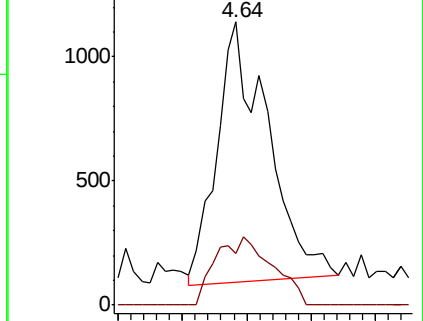
43 100

72 20.6 23.5 35.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.212 ug/l

RT: 5.12 min Scan# 661

Delta R.T. 0.02 min

Lab File: VX016911.D

Acq: 20 Jun 2020 06:16

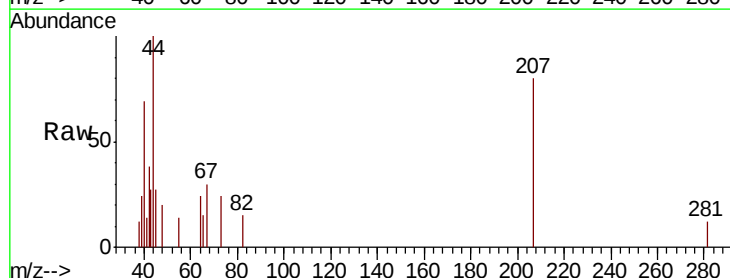
Tgt Ion: 42 Resp: 264

Ion Ratio Lower Upper

42 100

72 0.0 41.1 61.7#

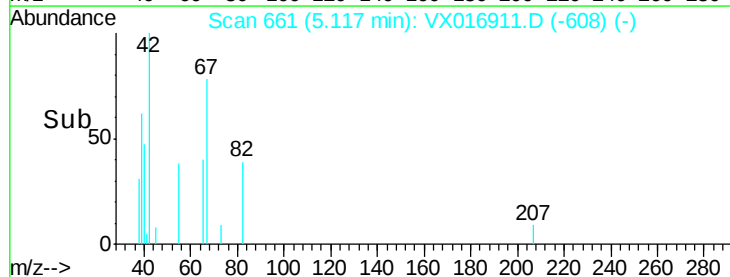
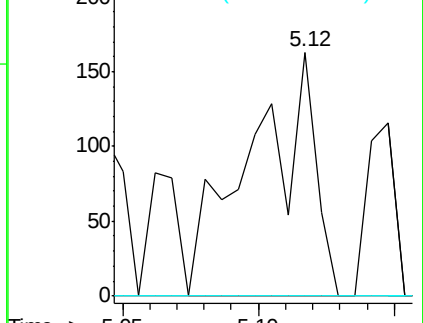
71 0.0 38.4 57.6#

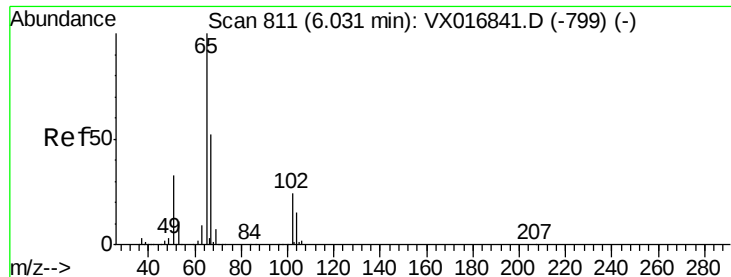


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 45.161 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX016911.D

Acq: 20 Jun 2020 06:16

Instrument :

MSVOA_X

ClientSampleId :

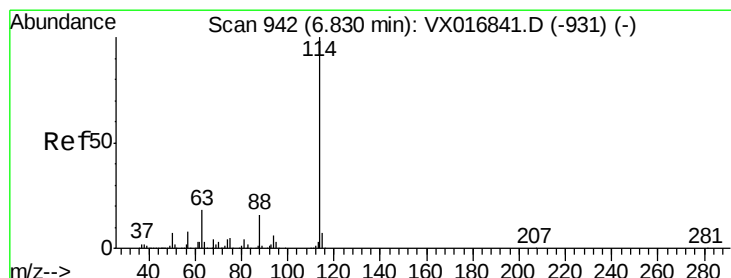
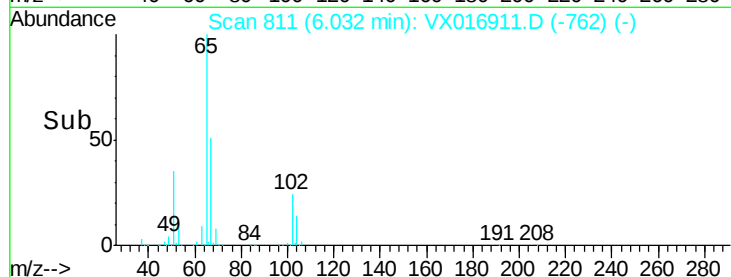
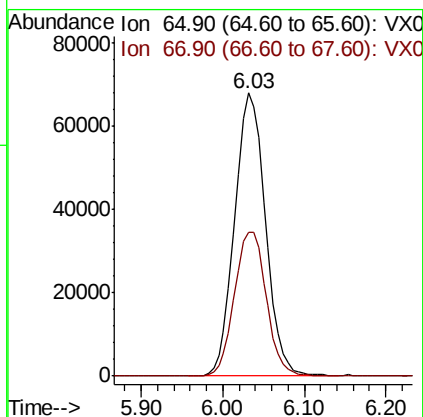
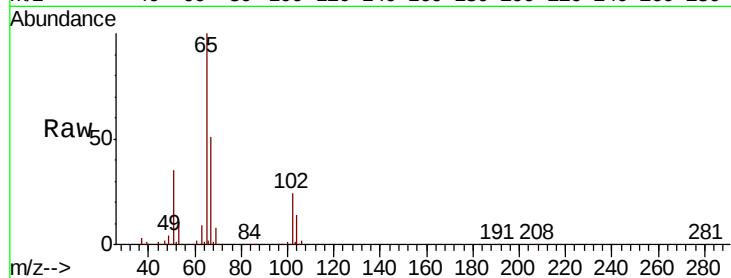
TW-10

Tot Ion: 65 Resp: 178439

Ion Ratio Lower Upper

65 100

67 52.6 0.0 102.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX016911.D

Acq: 20 Jun 2020 06:16

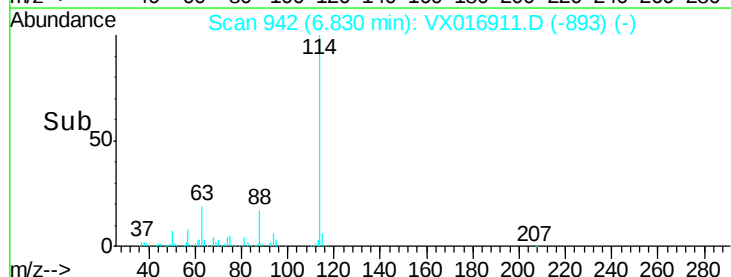
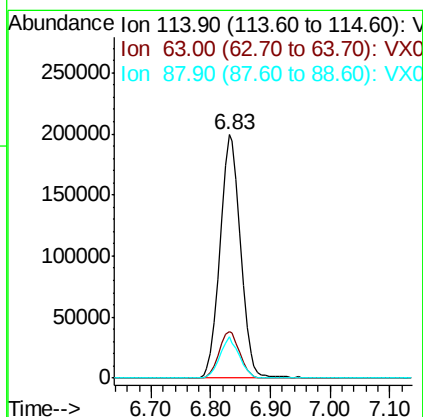
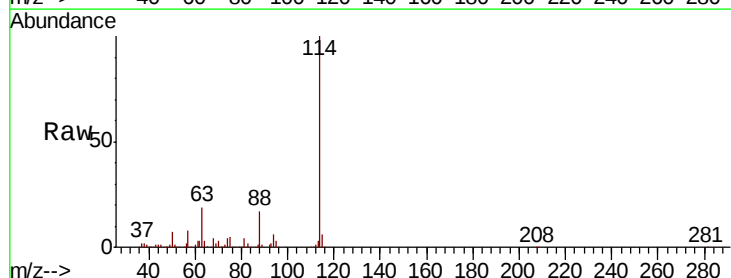
Tgt Ion: 114 Resp: 478781

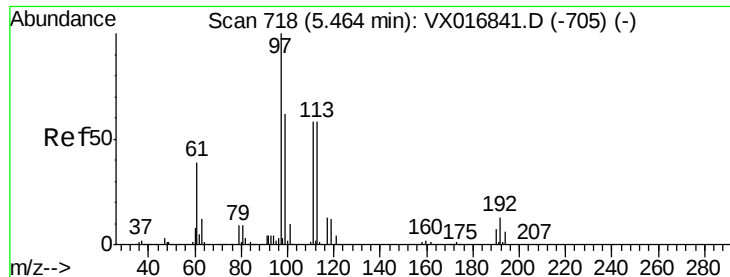
Ion Ratio Lower Upper

114 100

63 18.9 0.0 37.0

88 16.8 0.0 32.0





#35

Dibromofluoromethane

Concen: 54.392 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX016911.D

Acq: 20 Jun 2020 06:16

Instrument :

MSVOA_X

ClientSampleId :

TW-10

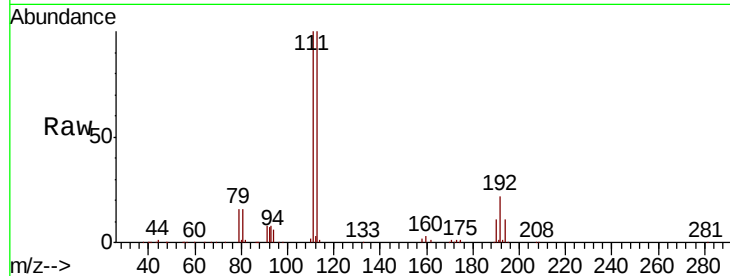
Tot Ion:113 Resp: 166589

Ion Ratio Lower Upper

113 100

111 102.5 81.0 121.4

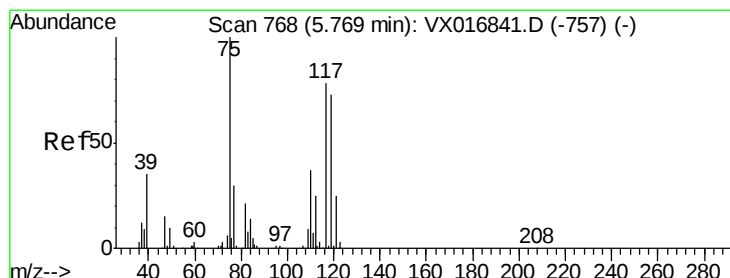
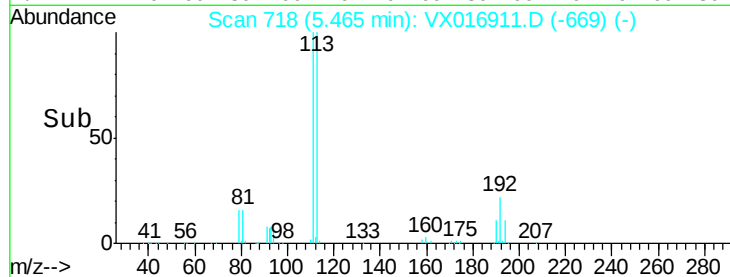
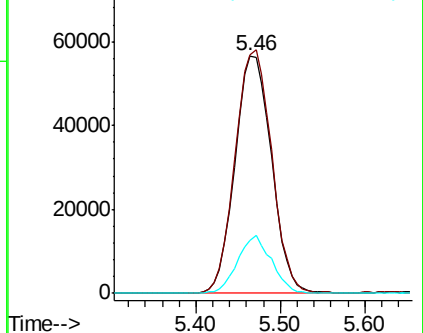
192 22.7 18.5 27.7



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: 5.137 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016911.D

Acq: 20 Jun 2020 06:16

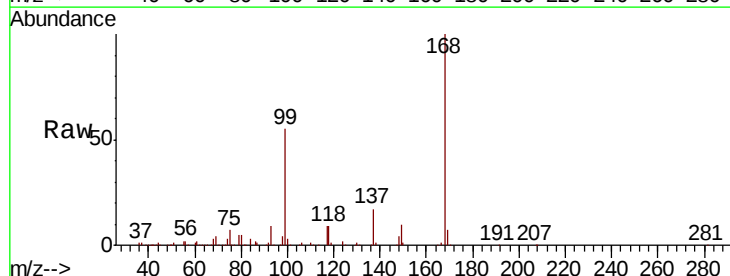
Tgt Ion: 75 Resp: 22709

Ion Ratio Lower Upper

75 100

110 9.5 18.9 56.9#

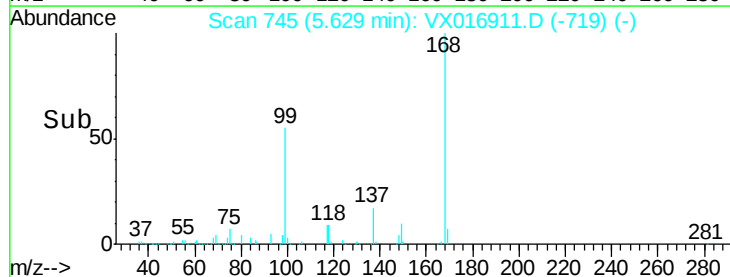
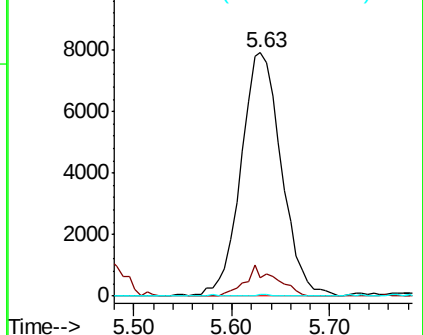
77 0.2 25.6 38.4#

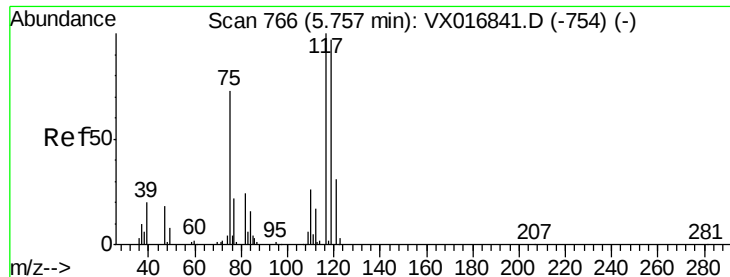


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.032 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016911.D

Acq: 20 Jun 2020 06:16

Instrument :

MSVOA_X

ClientSampled :

TW-10

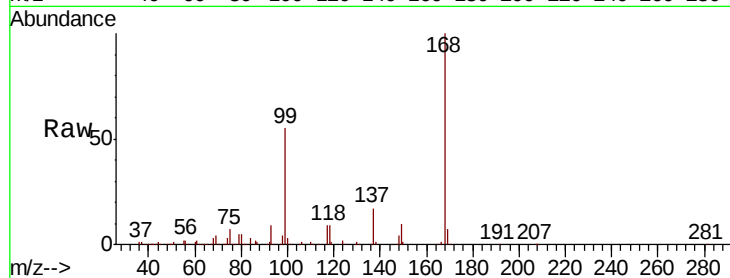
Tot Ion:117 Resp: 29922

Ion Ratio Lower Upper

117 100

119 5.5 77.4 116.2#

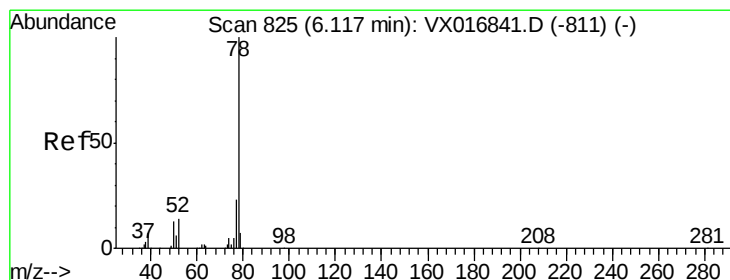
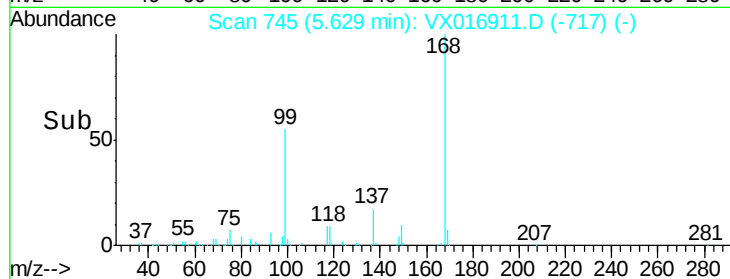
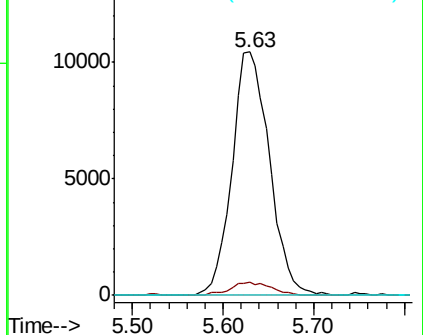
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#40

Benzene

Concen: 0.275 ug/l

RT: 6.11 min Scan# 824

Delta R.T. -0.01 min

Lab File: VX016911.D

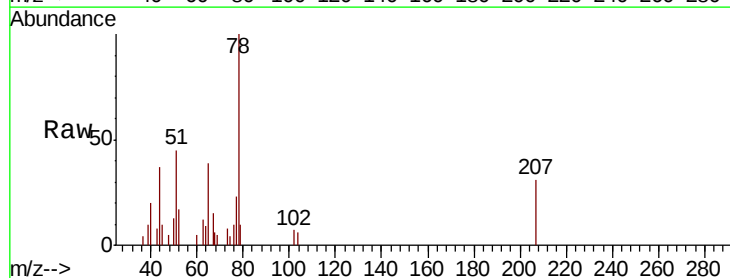
Acq: 20 Jun 2020 06:16

Tgt Ion: 78 Resp: 3646

Ion Ratio Lower Upper

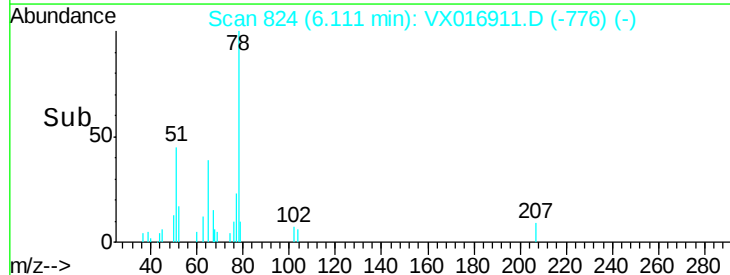
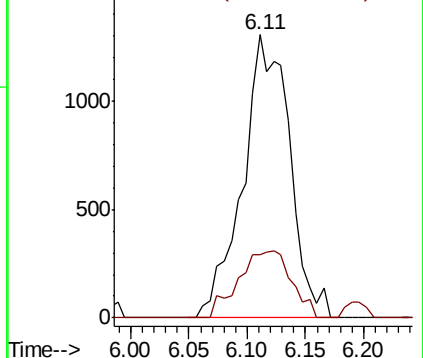
78 100

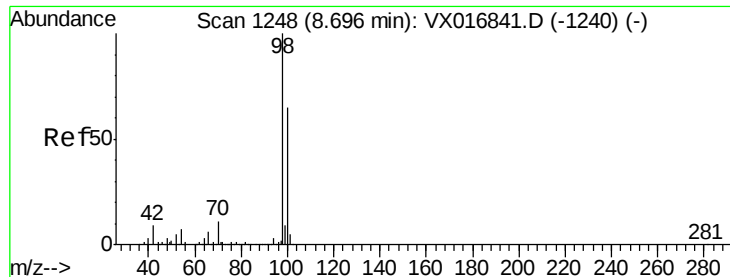
77 22.5 18.6 27.8



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

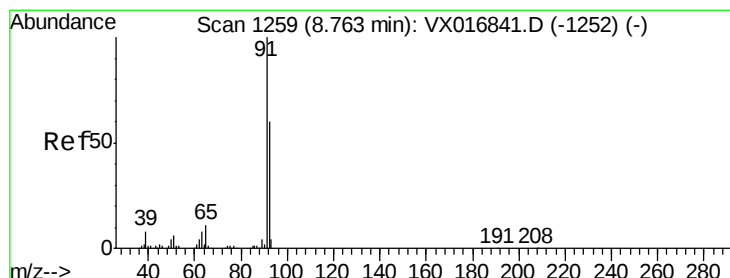
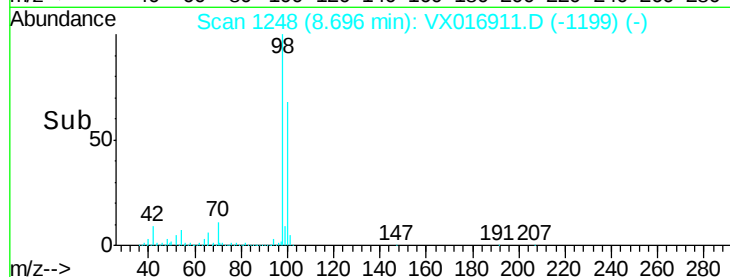
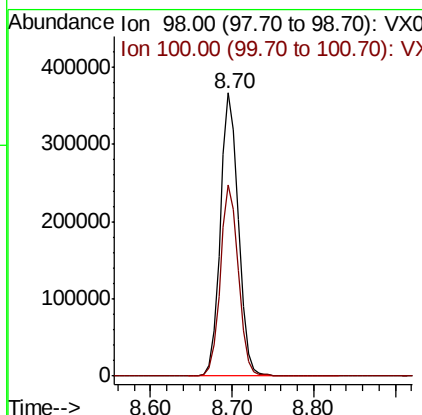
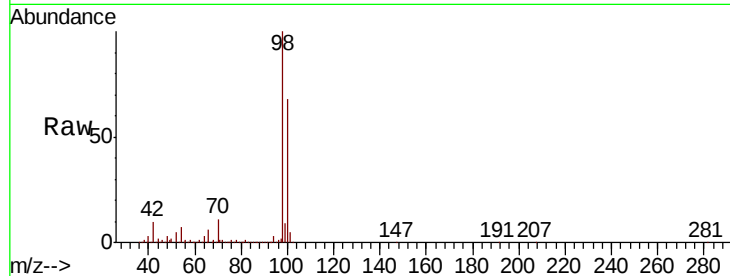




#50
Toluene-d8
Concen: 46.344 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX016911.D
Acq: 20 Jun 2020 06:16

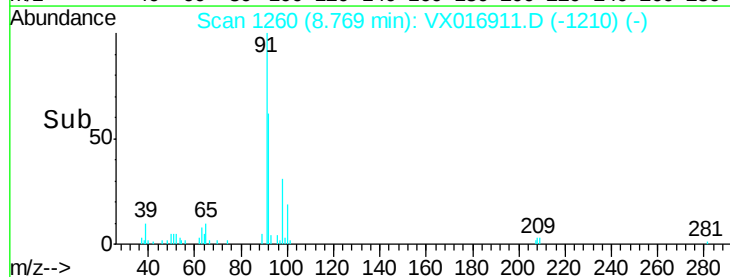
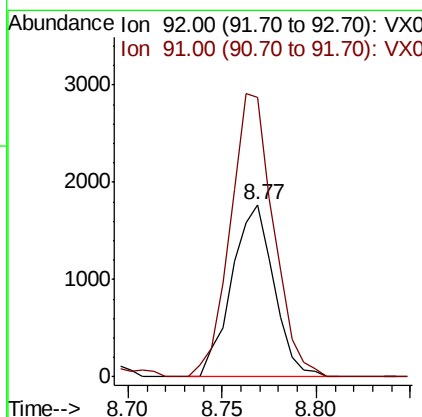
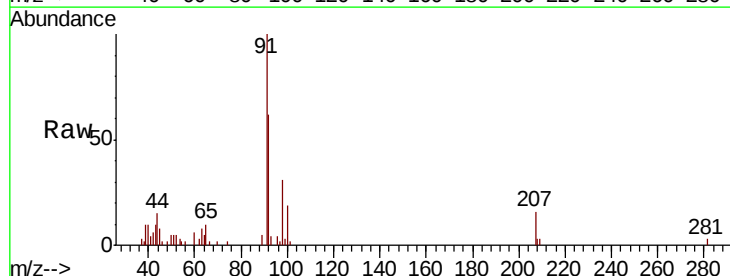
Instrument :
MSVOA_X
ClientSampleId :
TW-10

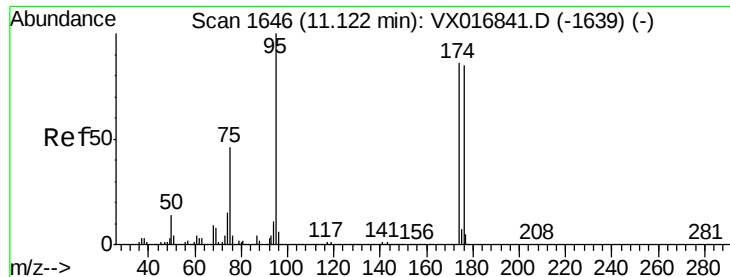
Tot Ion: 98 Resp: 567890
Ion Ratio Lower Upper
98 100
100 67.4 54.0 81.0



#52
Toluene
Concen: 0.311 ug/l
RT: 8.77 min Scan# 1260
Delta R.T. 0.01 min
Lab File: VX016911.D
Acq: 20 Jun 2020 06:16

Tgt Ion: 92 Resp: 2737
Ion Ratio Lower Upper
92 100
91 168.7 134.2 201.2





#62

4-Bromofluorobenzene

Concen: 56.214 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX016911.D

Acq: 20 Jun 2020 06:16

Instrument :

MSVOA_X

ClientSampled :

TW-10

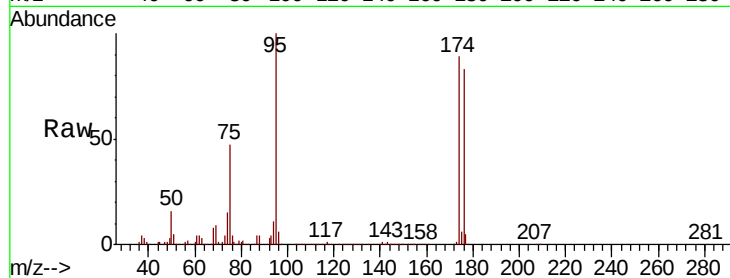
Tot Ion: 95 Resp: 263917

Ion Ratio Lower Upper

95 100

174 87.6 0.0 174.2

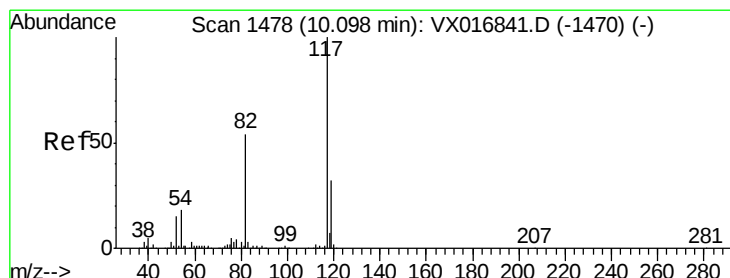
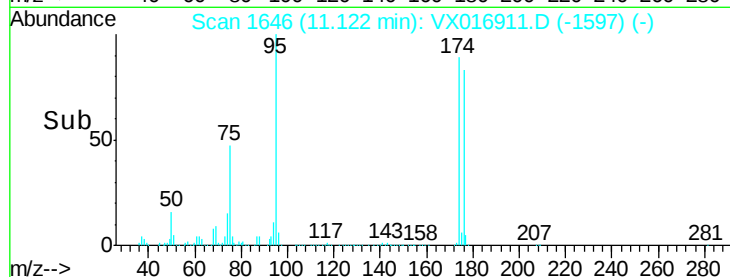
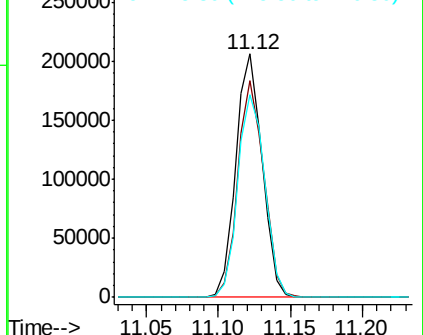
176 84.9 0.0 170.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX016911.D

Acq: 20 Jun 2020 06:16

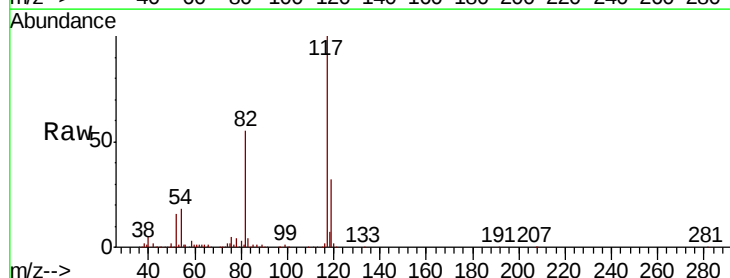
Tgt Ion: 117 Resp: 477602

Ion Ratio Lower Upper

117 100

82 54.6 43.4 65.0

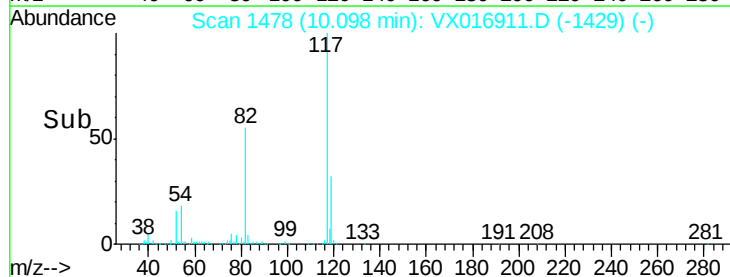
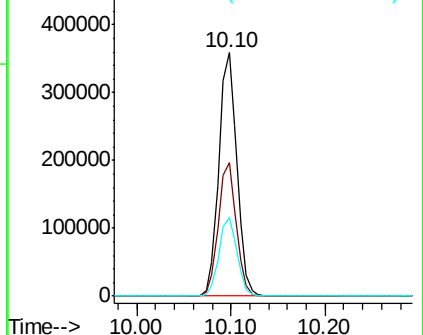
119 32.4 25.7 38.5

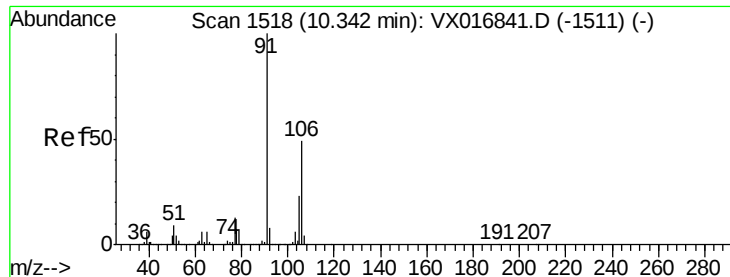


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

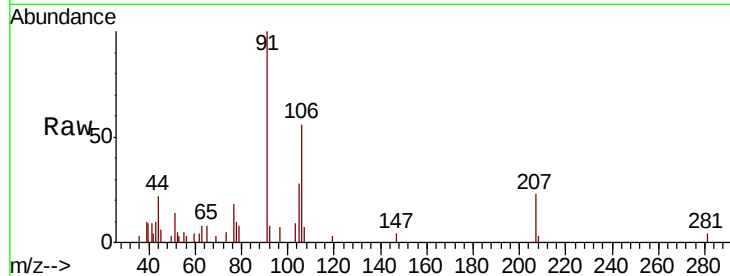




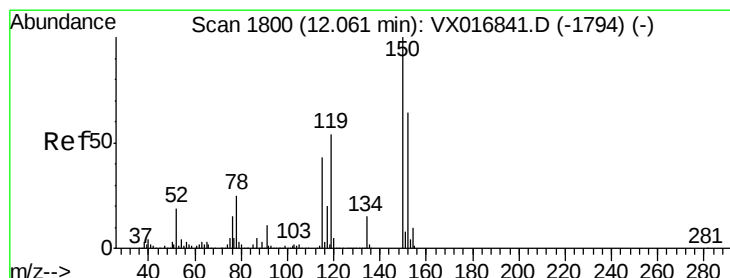
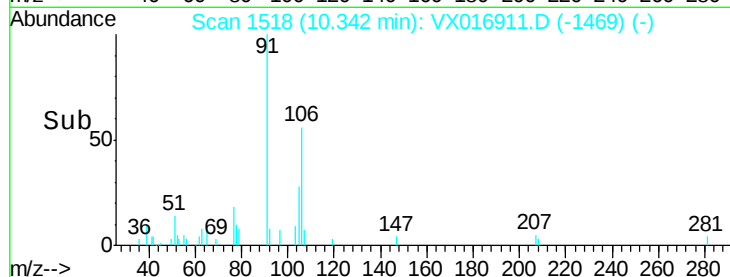
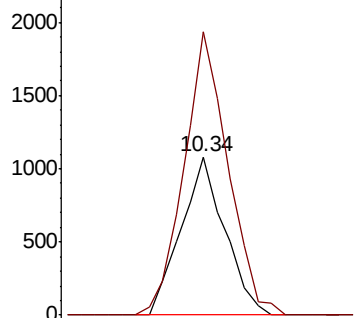
#68
m/p-Xvlenes
Concen: 0.234 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX016911.D
Acq: 20 Jun 2020 06:16

Instrument :
MSVOA_X
ClientSampleId :
TW-10

Tot Ion:106 Resp: 1483
Ion Ratio Lower Upper
106 100
91 179.2 161.5 242.3

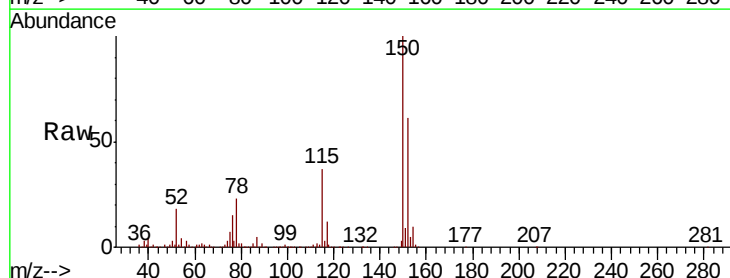


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

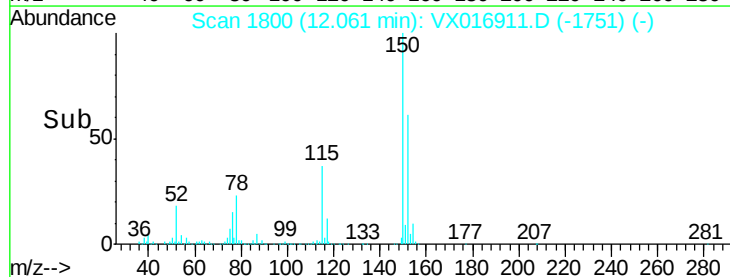
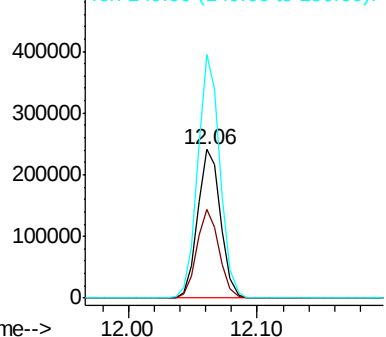


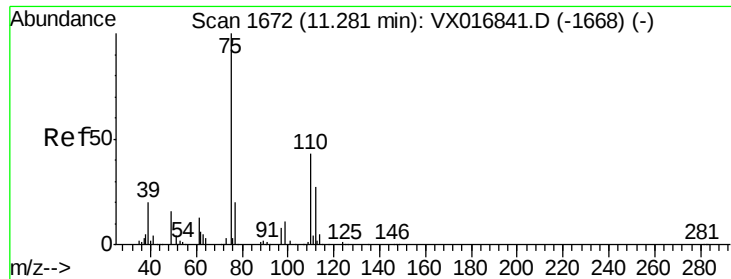
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX016911.D
Acq: 20 Jun 2020 06:16

Tgt Ion:152 Resp: 302431
Ion Ratio Lower Upper
152 100
115 58.0 40.9 122.8
150 158.4 0.0 344.2



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





#76

1,2,3-Trichloropropane

Concen: 22.810 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016911.D

Acq: 20 Jun 2020 06:16

Instrument :

MSVOA_X

ClientSampleId :

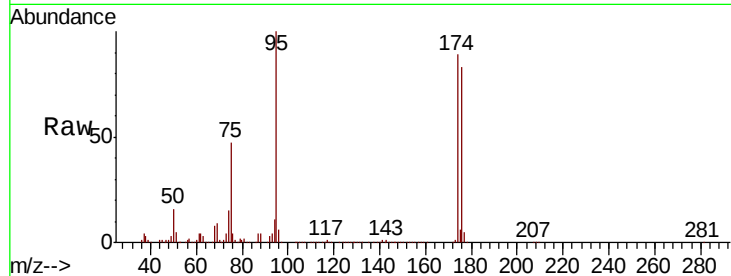
TW-10

Tot Ion: 75 Resp: 125987

Ion Ratio Lower Upper

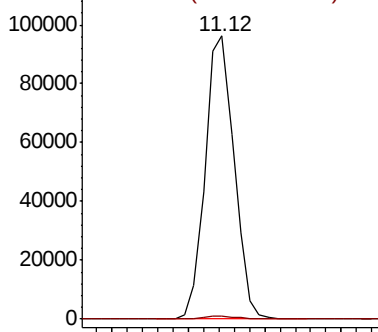
75 100

77 1.3 20.5 61.5#

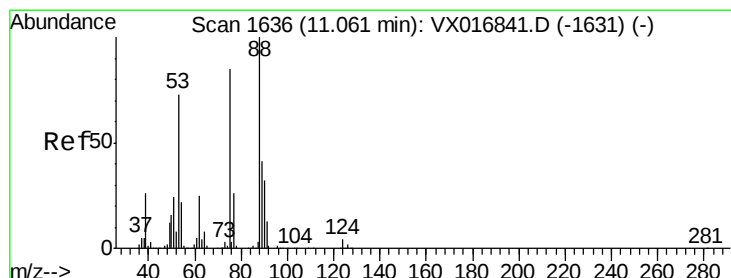
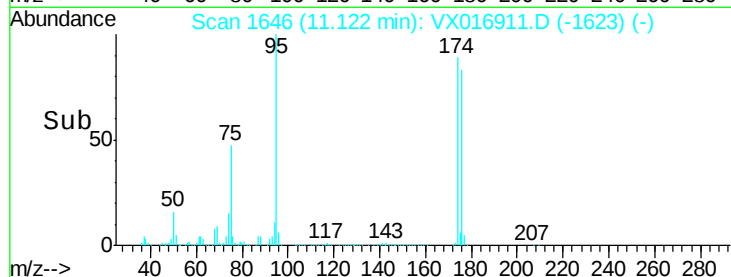


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 55.858 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016911.D

Acq: 20 Jun 2020 06:16

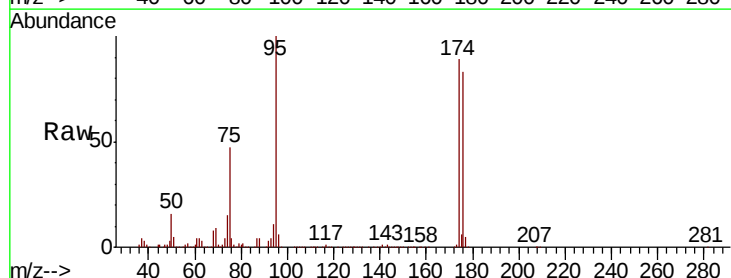
Tgt Ion: 75 Resp: 125987

Ion Ratio Lower Upper

75 100

53 0.1 69.8 104.8#

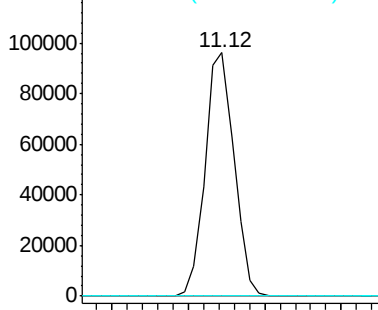
89 0.0 38.3 57.5#



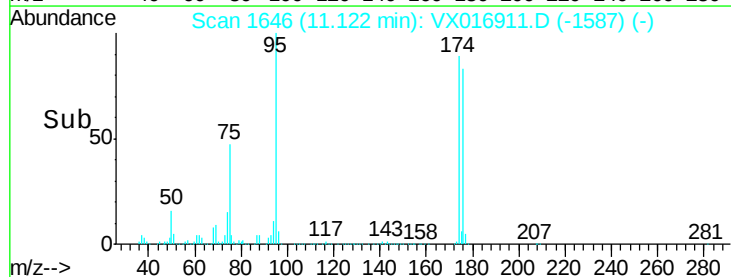
Abundance Ion 74.90 (74.60 to 75.60): VX0

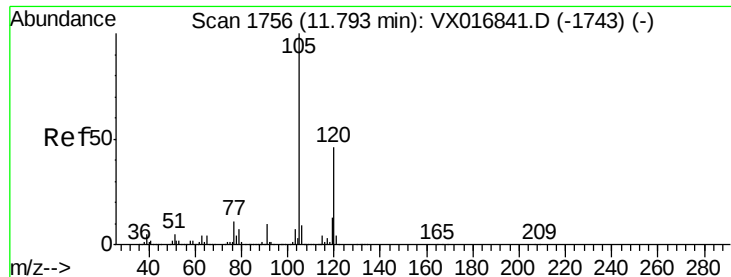
Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



Time-->





#84
 1,2,4-Trimethylbenzene
 Concen: 0.235 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX016911.D
 Acq: 20 Jun 2020 06:16

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-10

Tot Ion:105 Resp: 4068
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.3 66.9

