

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061820\
 Data File : VX016862.D
 Acq On : 19 Jun 2020 01:03
 Operator : JC/SP
 Sample : L3020-20
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-23

Quant Time: Jun 19 03:05:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 18 15:20:47 2020
 Response via : Initial Calibration

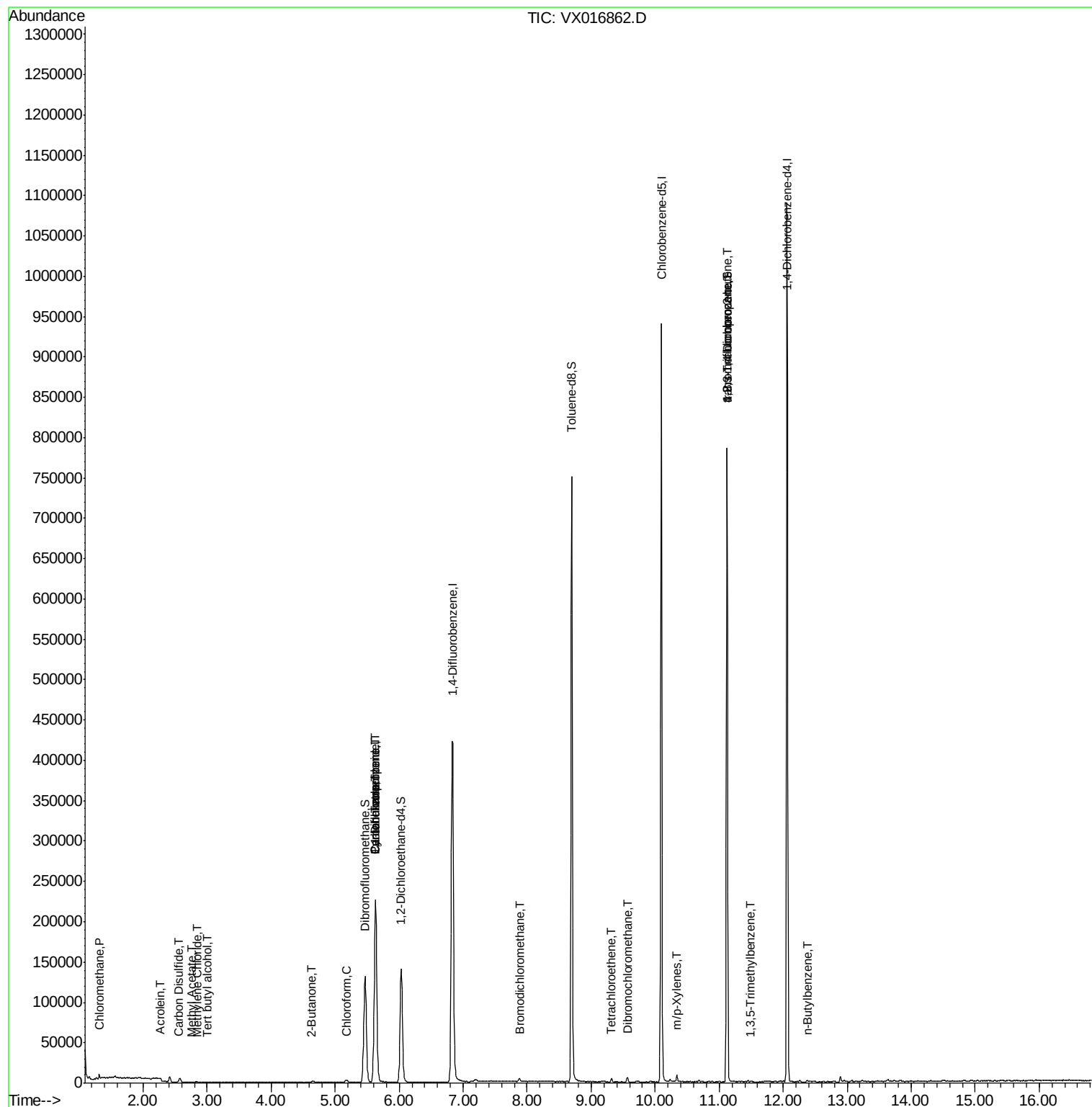
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	228227	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	454077	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	434852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	225286	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	135238	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
35) Dibromofluoromethane	5.46	113	116273	40.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.06%	
50) Toluene-d8	8.70	98	451724	38.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.74%	
62) 4-Bromofluorobenzene	11.12	95	204274	45.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.76%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.31	50	3156	1.111	ug/l	97
5) Bromomethane	1.61	94	78	Below Cal	#	78
11) Tert butyl alcohol	3.01	59	491	1.058	ug/l #	72
13) Acrolein	2.28	56	411	1.461	ug/l #	49
16) Acetone	2.42	43	7441	Below Cal		93
17) Carbon Disulfide	2.55	76	1274	0.202	ug/l #	94
18) Methyl Acetate	2.75	43	857	0.338	ug/l #	78
20) Methylene Chloride	2.84	84	531	0.222	ug/l #	83
25) 2-Butanone	4.64	43	1059	0.772	ug/l #	45
30) Chloroform	5.18	83	3025	0.742	ug/l	92
31) Cyclohexane	5.63	56	3758	1.107	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	15098	3.601	ug/l #	49
38) Carbon Tetrachloride	5.63	117	21432	4.556	ug/l #	15
47) Bromodichloromethane	7.87	83	2641	0.579	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.21	63	21	Below Cal	#	42
59) 2-Hexanone	9.48	43	270	Below Cal		80
60) Dibromochloromethane	9.56	129	2262	0.598	ug/l	97
64) Tetrachloroethene	9.32	164	926	0.230	ug/l #	82
68) m/p-Xylenes	10.34	106	2022	0.350	ug/l	91
73) Isopropylbenzene	11.00	105	356	Below Cal	#	61
76) 1,2,3-Trichloropropane	11.12	75	98667	23.819	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.49	105	264	0.227	ug/l	85
81) trans-1,4-Dichloro-2-buten	11.12	75	98667	58.725	ug/l #	14
89) n-Butylbenzene	12.38	91	639	3.062	ug/l #	73

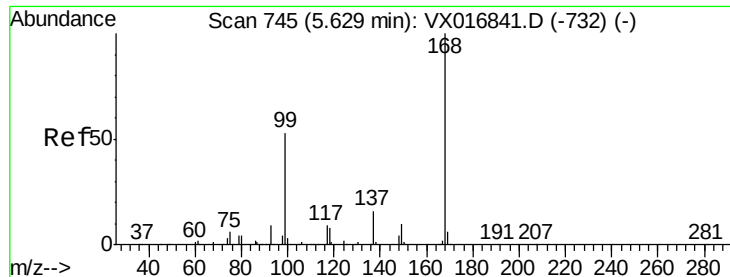
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX016862.D

Acq: 19 Jun 2020 01:03

Instrument :

MSVOA_X

ClientSampled :

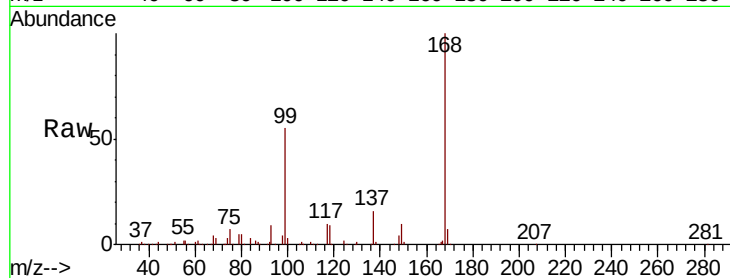
MW-23

Tot Ion:168 Resp: 228227

Ion Ratio Lower Upper

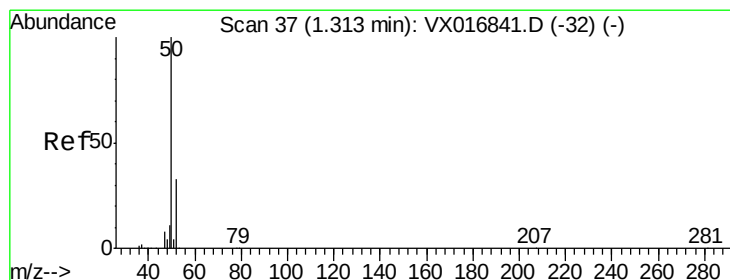
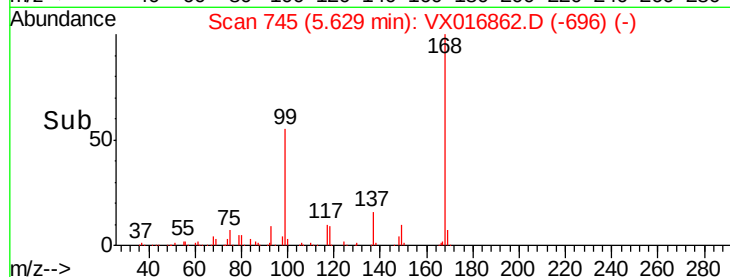
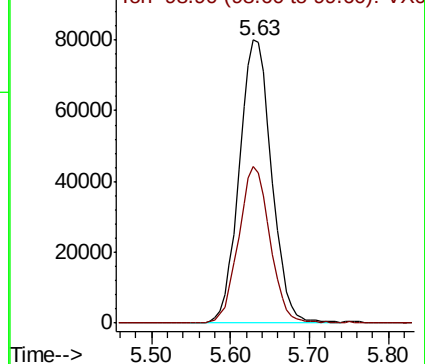
168 100

99 55.4 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 1.111 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016862.D

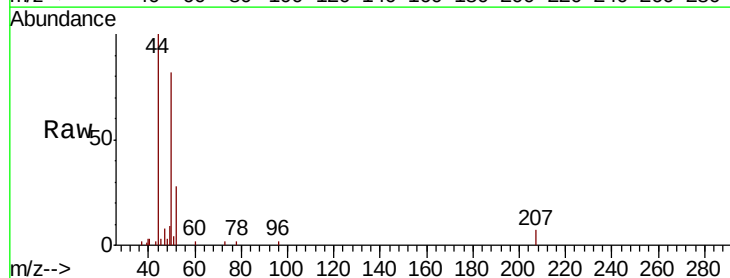
Acq: 19 Jun 2020 01:03

Tgt Ion: 50 Resp: 3156

Ion Ratio Lower Upper

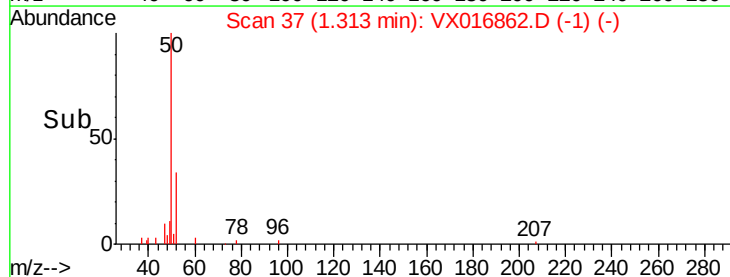
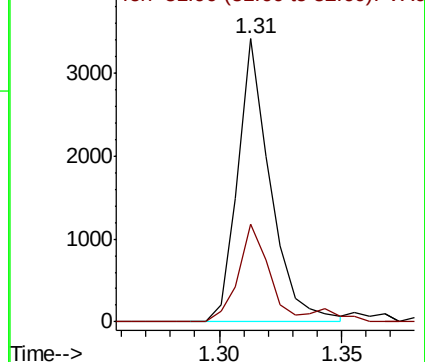
50 100

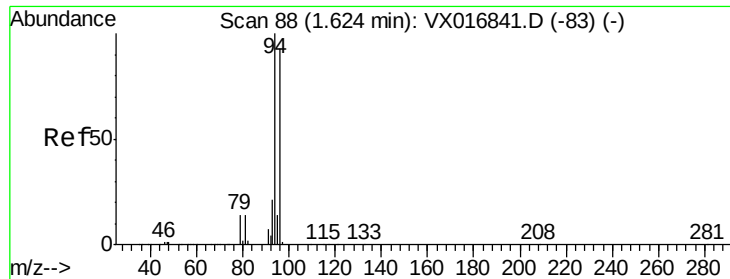
52 34.4 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 85

Delta R.T. -0.02 min

Lab File: VX016862.D

Acq: 19 Jun 2020 01:03

Instrument :

MSVOA_X

ClientSampled :

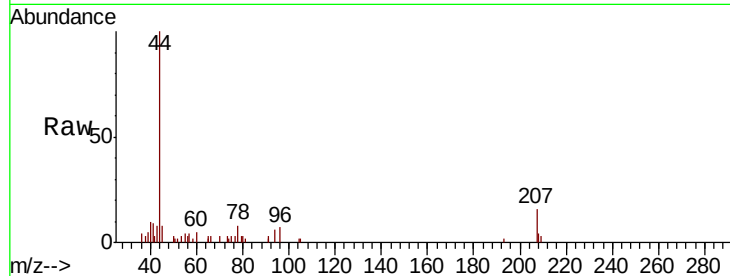
MW-23

Tot Ion: 94 Resp: 78

Ion Ratio Lower Upper

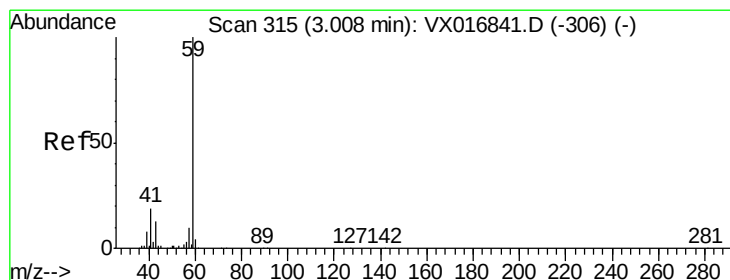
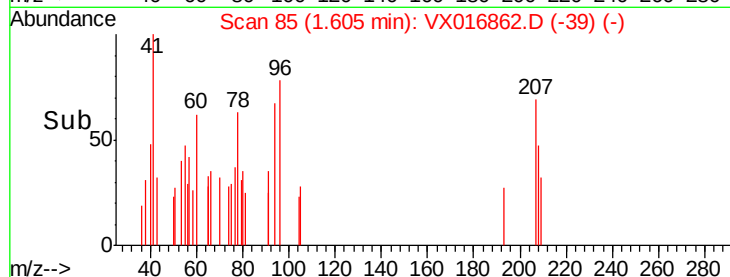
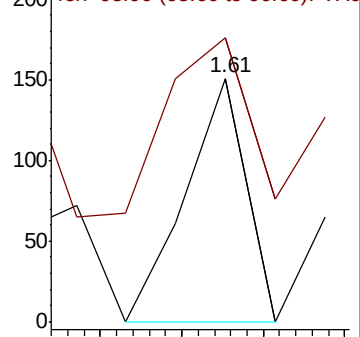
94 100

96 72.2 74.4 111.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#11

Tert butyl alcohol

Concen: 1.058 ug/l

RT: 3.01 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX016862.D

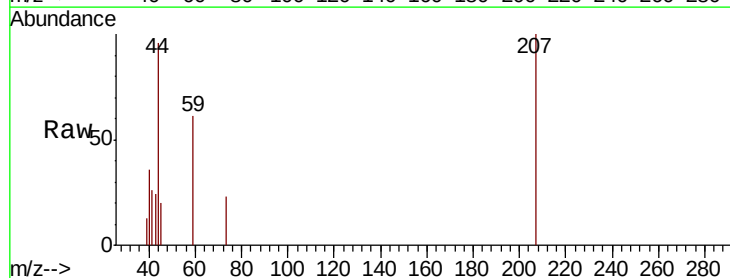
Acq: 19 Jun 2020 01:03

Tgt Ion: 59 Resp: 491

Ion Ratio Lower Upper

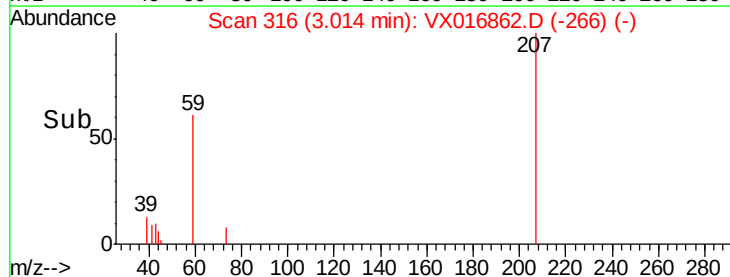
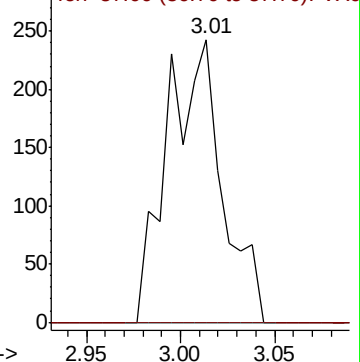
59 100

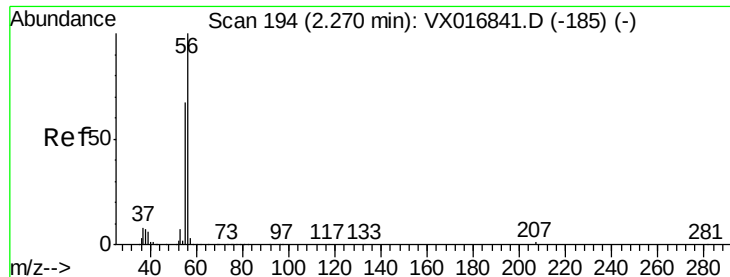
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

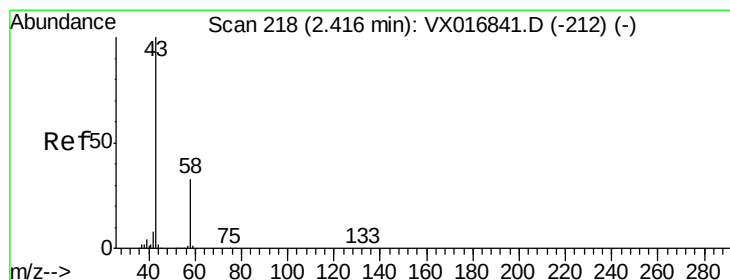
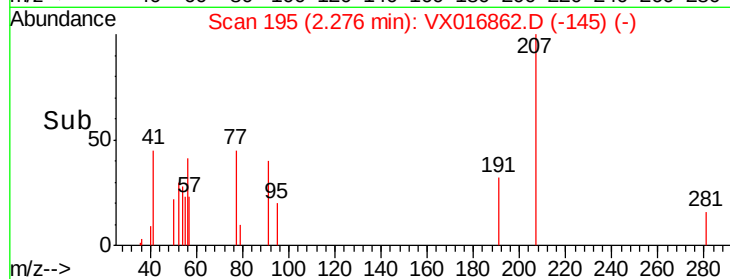
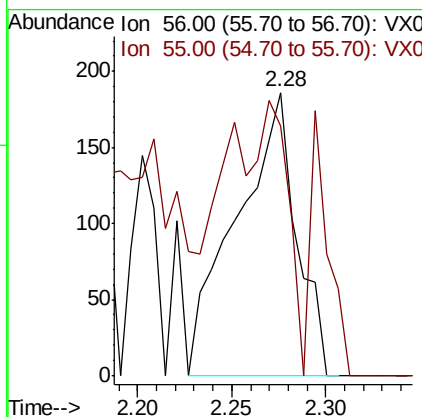
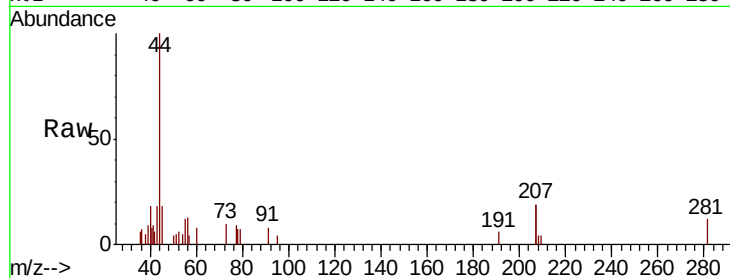




#13
Acrolein
Concen: 1.461 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX016862.D
Acq: 19 Jun 2020 01:03

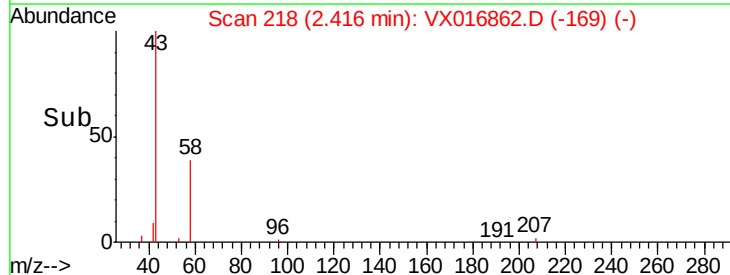
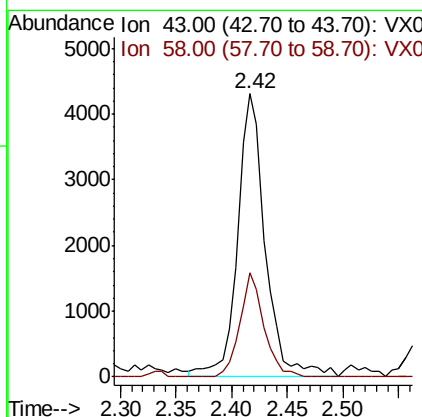
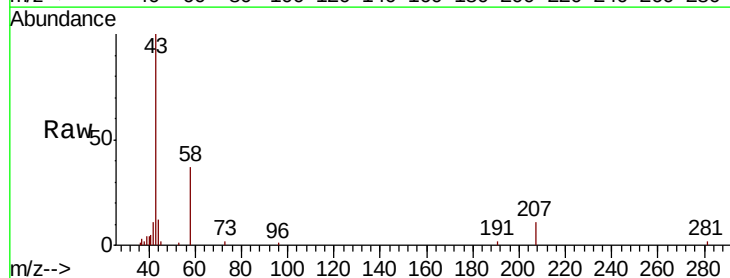
Instrument :
MSVOA_X
ClientSampleId :
MW-23

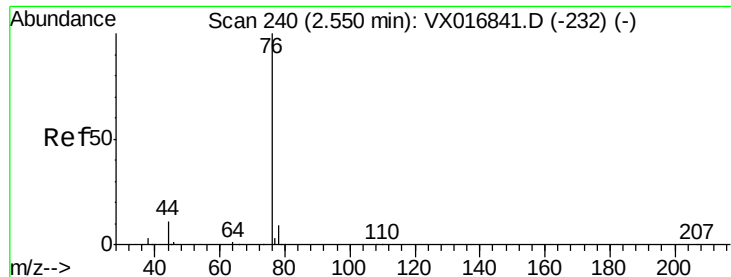
Tot Ion: 56 Resp: 411
Ion Ratio Lower Upper
56 100
55 27.7 55.7 83.5#



#16
Acetone
Concen: Below Cal
RT: 2.42 min Scan# 218
Delta R.T. 0.00 min
Lab File: VX016862.D
Acq: 19 Jun 2020 01:03

Tgt Ion: 43 Resp: 7441
Ion Ratio Lower Upper
43 100
58 36.9 26.6 39.8





#17

Carbon Disulfide

Concen: 0.202 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016862.D

Acq: 19 Jun 2020 01:03

Instrument :

MSVOA_X

ClientSampleId :

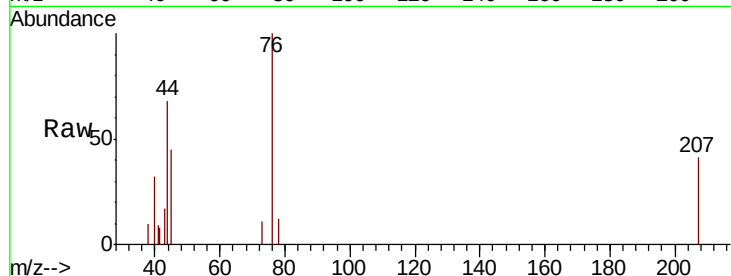
MW-23

Tot Ion: 76 Resp: 1274

Ion Ratio Lower Upper

76 100

78 11.7 7.5 11.3#

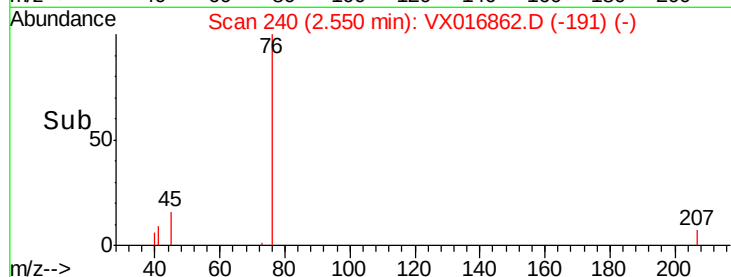


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.55

Time-->



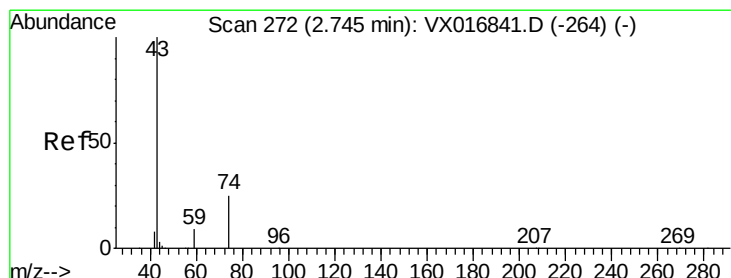
Abundance

Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.55

Time-->



#18

Methyl Acetate

Concen: 0.338 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX016862.D

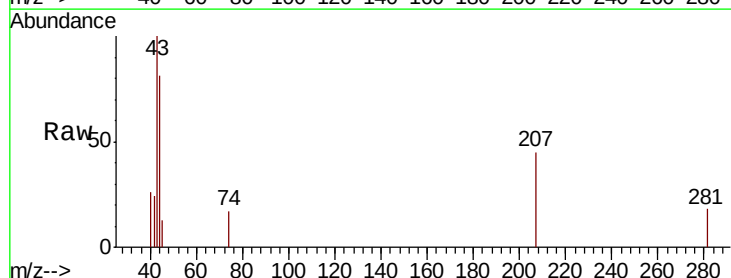
Acq: 19 Jun 2020 01:03

Tgt Ion: 43 Resp: 857

Ion Ratio Lower Upper

43 100

74 15.9 21.8 32.8#

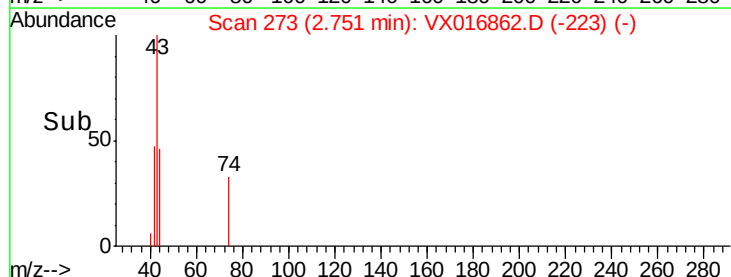


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.75

Time-->



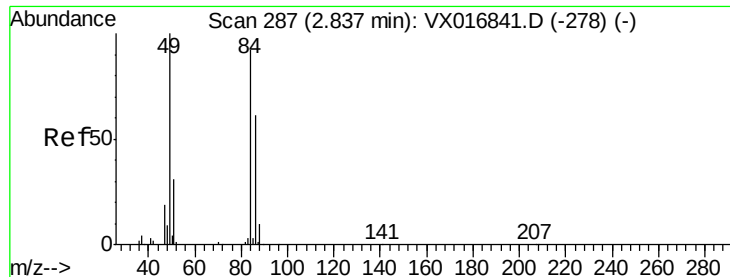
Abundance

Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.75

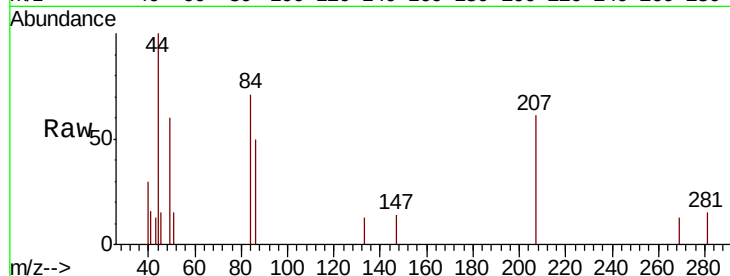
Time-->



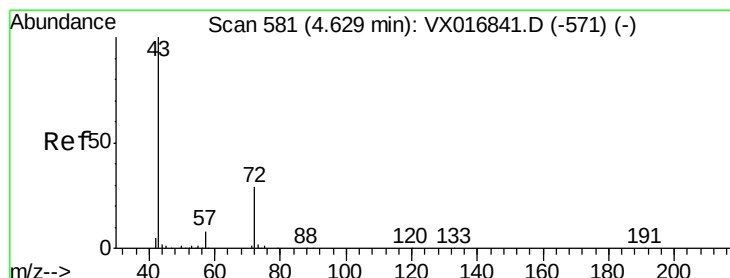
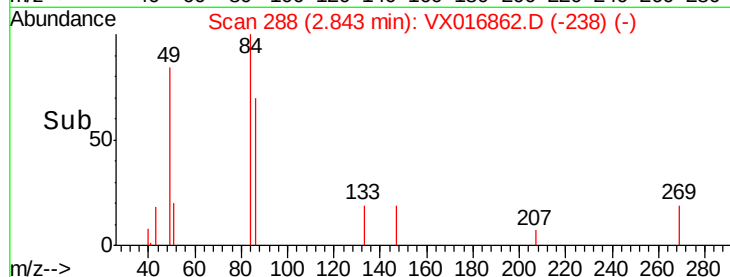
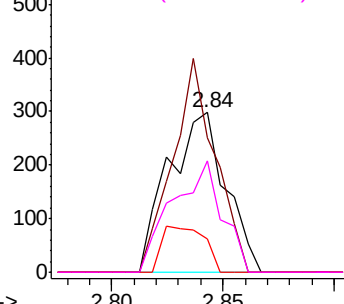
#20
Methylene Chloride
Concen: 0.222 ug/l
RT: 2.84 min Scan# 288
Delta R.T. 0.01 min
Lab File: VX016862.D
Acq: 19 Jun 2020 01:03

Instrument :
MSVOA_X
ClientSampled :
MW-23

Tot Ion: 84 Resp: 531
Ion Ratio Lower Upper
84 100
49 84.2 86.6 129.8#
51 20.5 27.1 40.7#
86 70.1 53.1 79.7

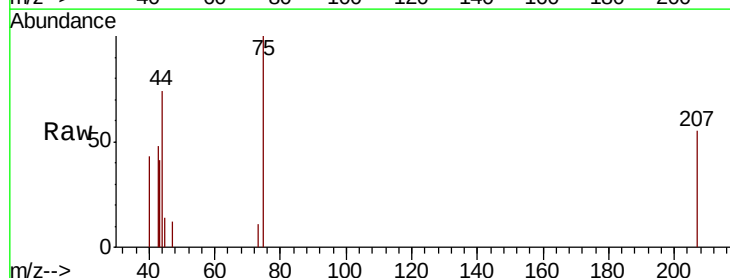


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

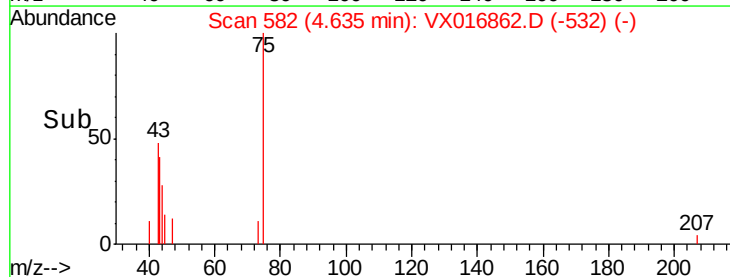
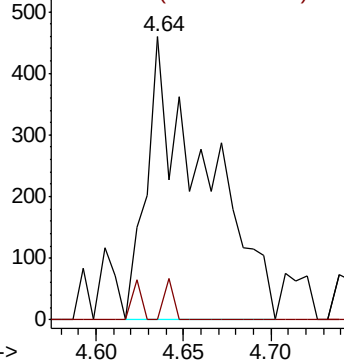


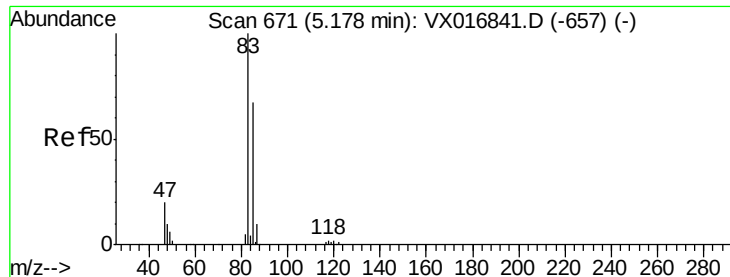
#25
2-Butanone
Concen: 0.772 ug/l
RT: 4.64 min Scan# 582
Delta R.T. 0.01 min
Lab File: VX016862.D
Acq: 19 Jun 2020 01:03

Tgt Ion: 43 Resp: 1059
Ion Ratio Lower Upper
43 100
72 0.0 23.5 35.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0

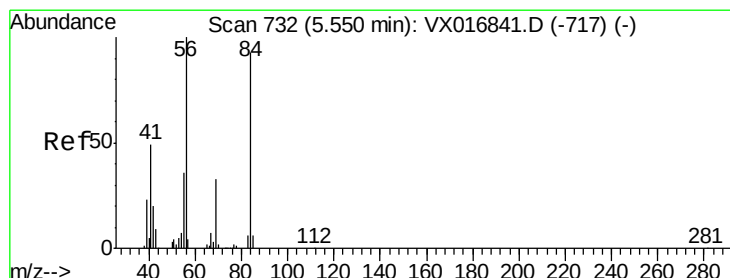
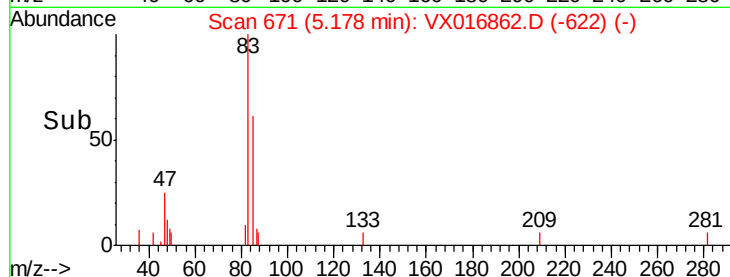
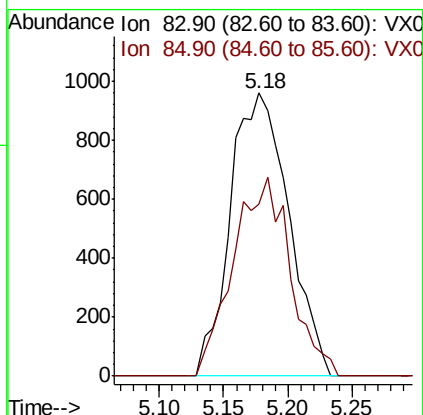
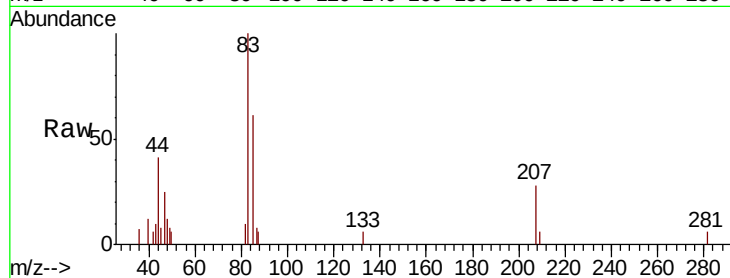




#30
Chloroform
Concen: 0.742 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.00 min
Lab File: VX016862.D
Acq: 19 Jun 2020 01:03

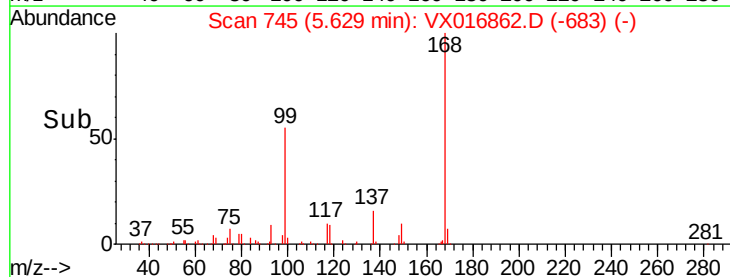
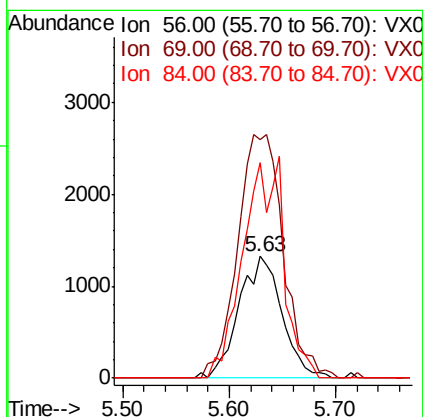
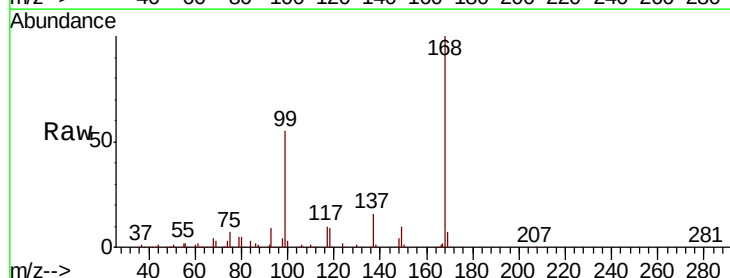
Instrument :
MSVOA_X
ClientSampled :
MW-23

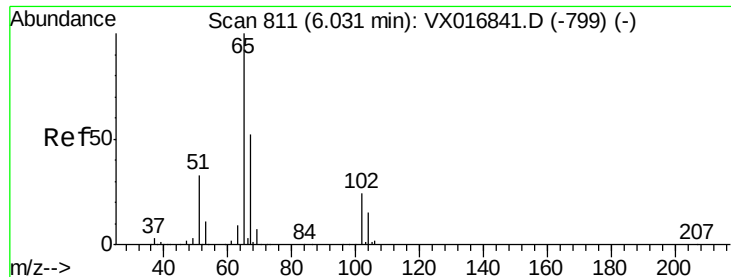
Tot Ion: 83 Resp: 3025
Ion Ratio Lower Upper
83 100
85 60.6 53.4 80.0



#31
Cyclohexane
Concen: 1.107 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016862.D
Acq: 19 Jun 2020 01:03

Tgt Ion: 56 Resp: 3758
Ion Ratio Lower Upper
56 100
69 195.6 26.1 39.1#
84 176.3 73.0 109.6#

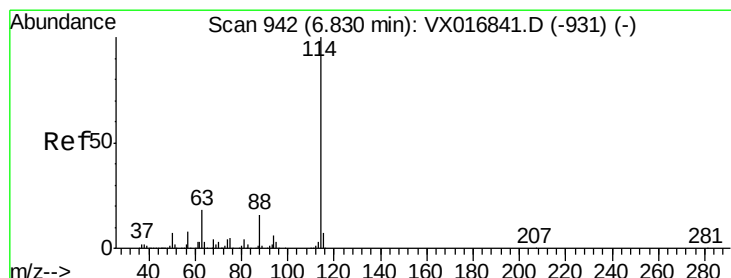
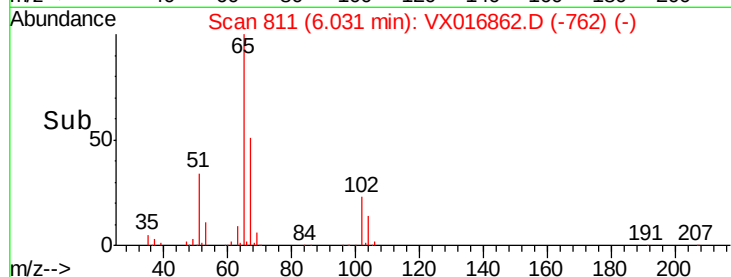
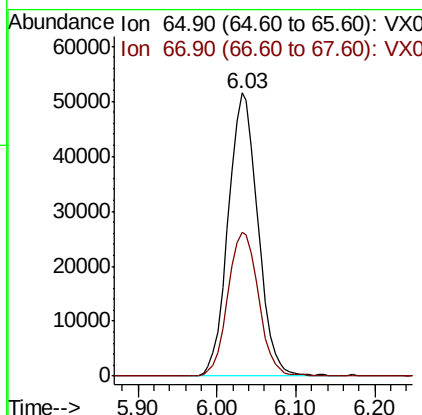
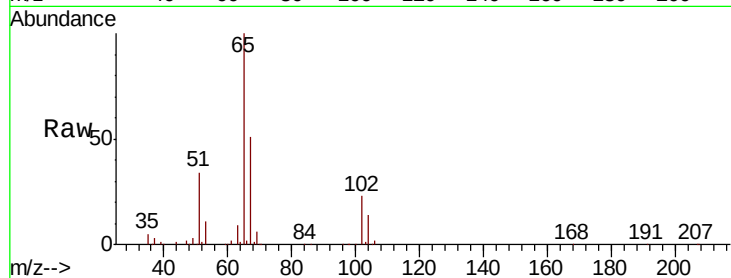




#33
 1,2-Dichloroethane-d4
 Concen: 49.270 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016862.D
 Acq: 19 Jun 2020 01:03

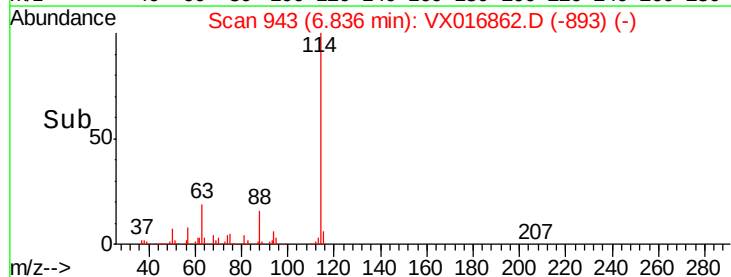
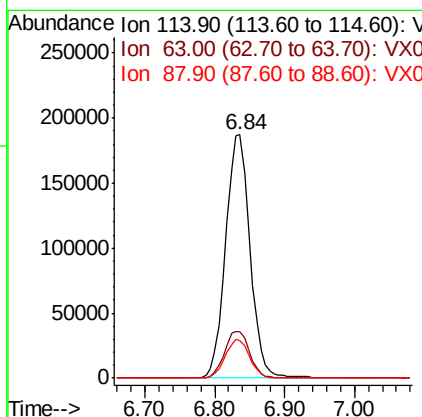
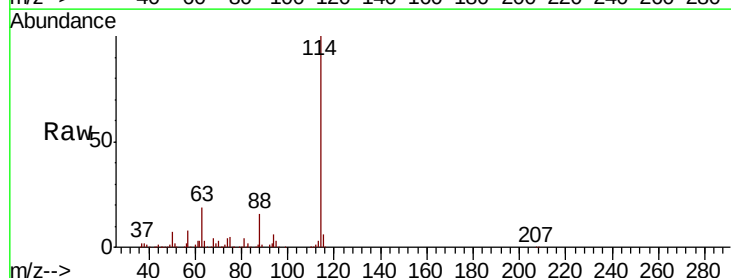
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-23

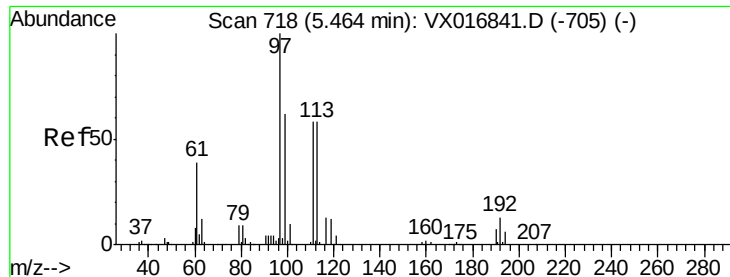
Tot Ion: 65 Resp: 135238
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX016862.D
 Acq: 19 Jun 2020 01:03

Tgt Ion: 114 Resp: 454077
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 37.0
 88 15.6 0.0 32.0





#35

Dibromofluoromethane

Concen: 40.029 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016862.D

Acq: 19 Jun 2020 01:03

Instrument :

MSVOA_X

ClientSampled :

MW-23

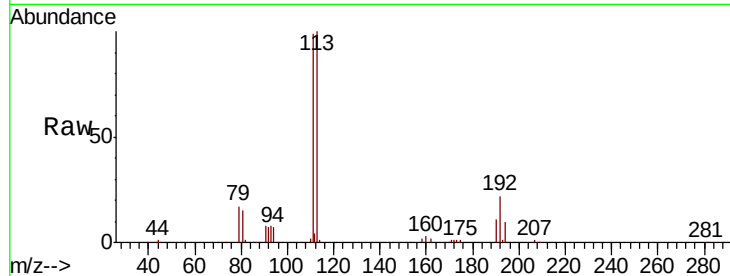
Tot Ion:113 Resp: 116273

Ion Ratio Lower Upper

113 100

111 101.4 81.0 121.4

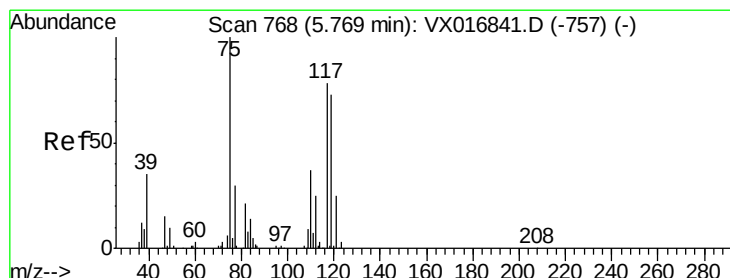
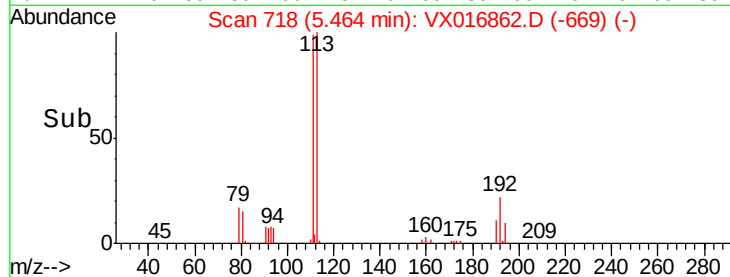
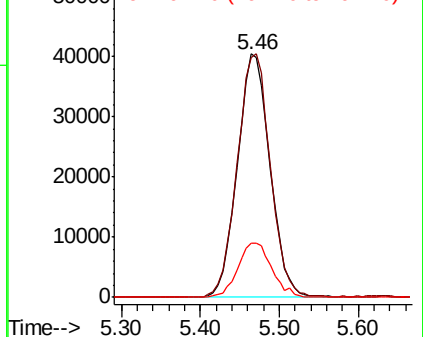
192 23.1 18.5 27.7



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: 3.601 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016862.D

Acq: 19 Jun 2020 01:03

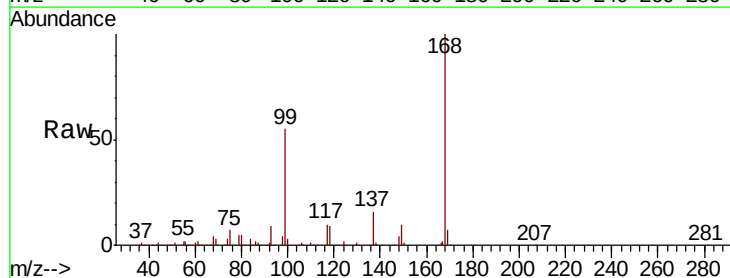
Tgt Ion: 75 Resp: 15098

Ion Ratio Lower Upper

75 100

110 10.8 18.9 56.9#

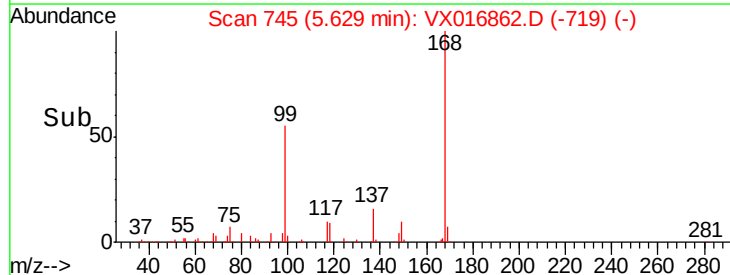
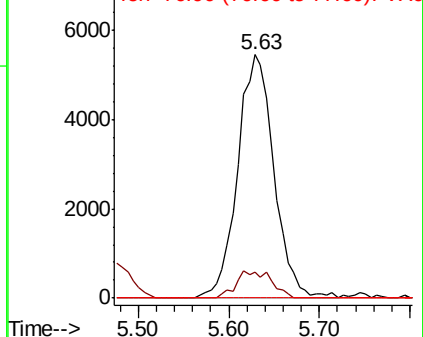
77 0.0 25.6 38.4#

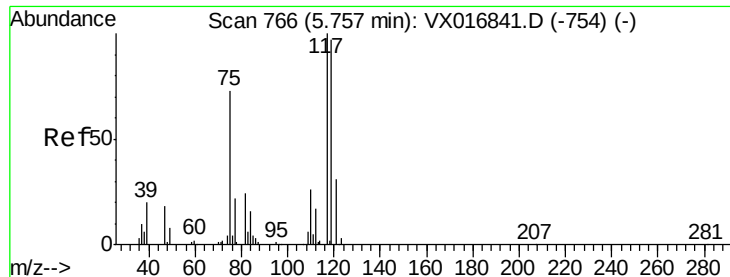


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 4.556 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016862.D

Acq: 19 Jun 2020 01:03

Instrument :

MSVOA_X

ClientSampled :

MW-23

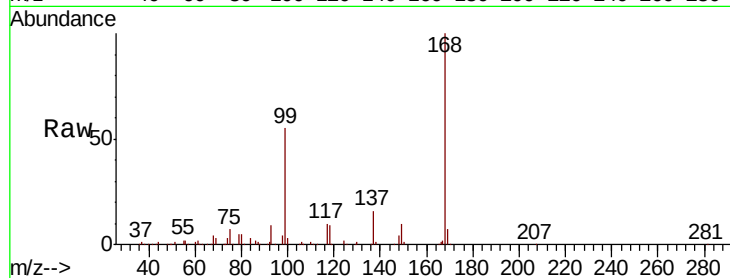
Tot Ion:117 Resp: 21432

Ion Ratio Lower Upper

117 100

119 4.9 77.4 116.2#

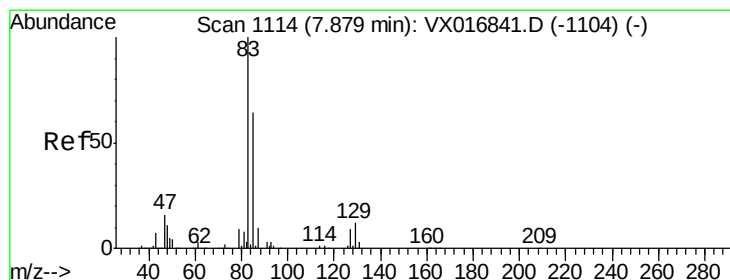
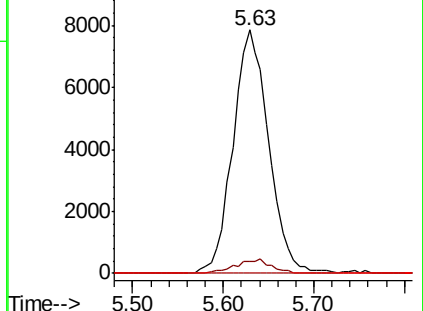
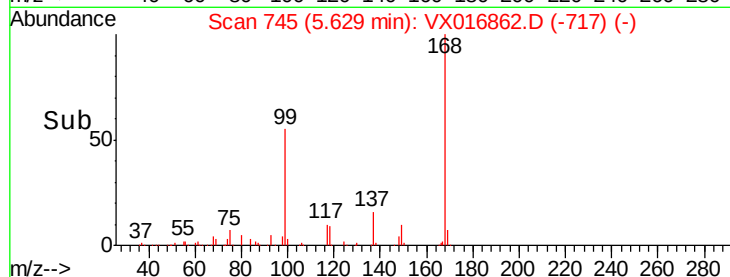
121 0.0 24.7 37.1#



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



#47

Bromodichloromethane

Concen: 0.579 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VX016862.D

Acq: 19 Jun 2020 01:03

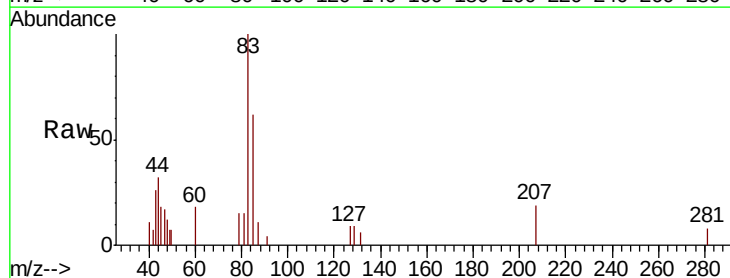
Tgt Ion: 83 Resp: 2641

Ion Ratio Lower Upper

83 100

85 62.4 50.9 76.3

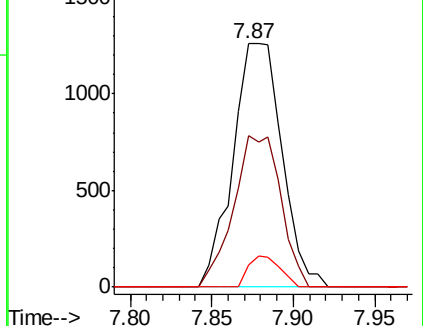
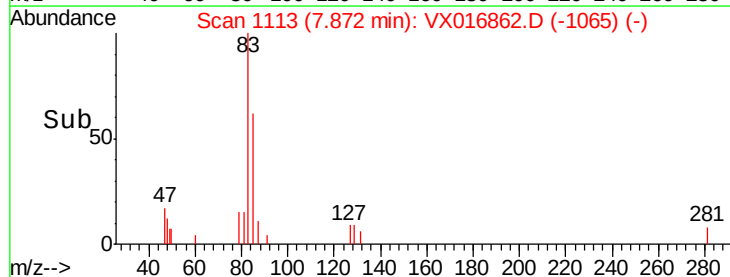
127 9.2 7.4 11.0

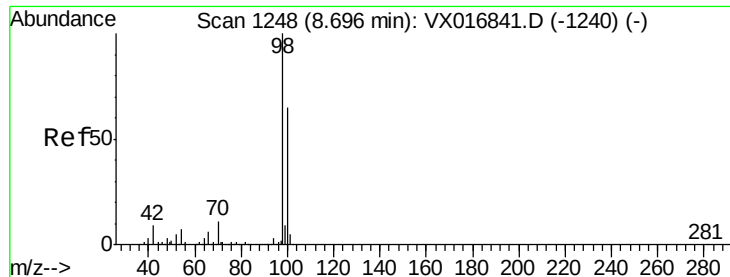


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V

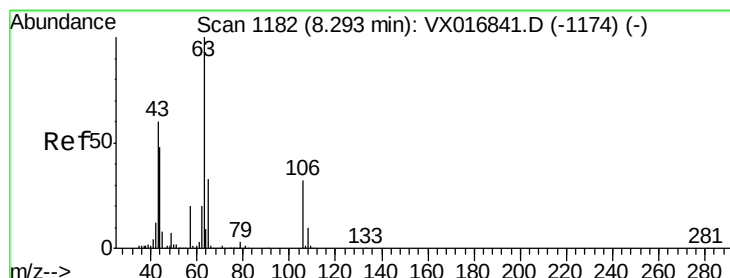
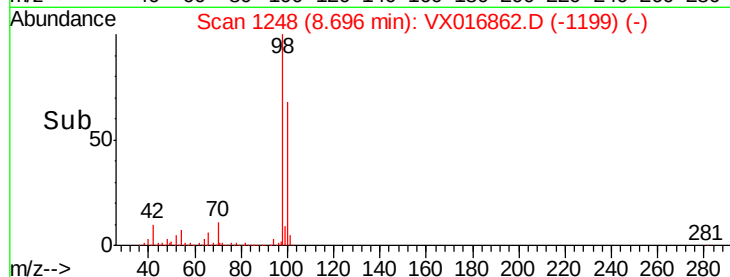
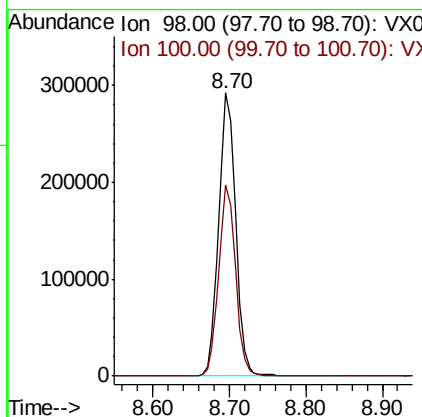
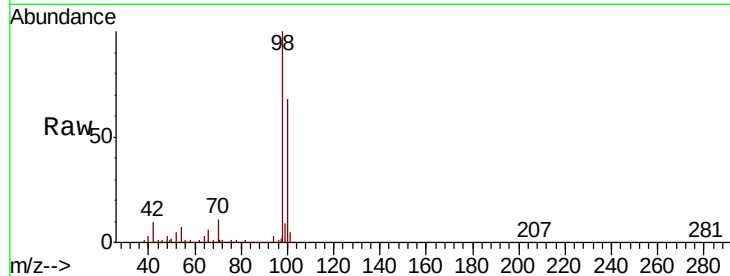




#50
Toluene-d8
Concen: 38.870 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016862.D
Acq: 19 Jun 2020 01:03

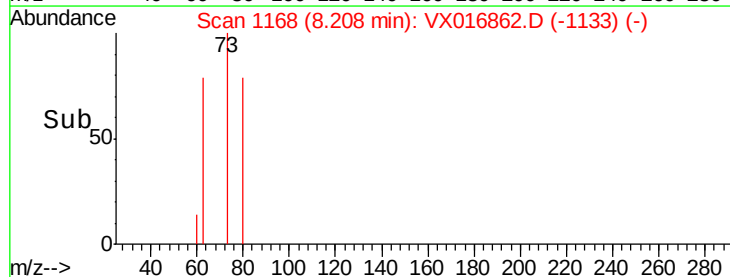
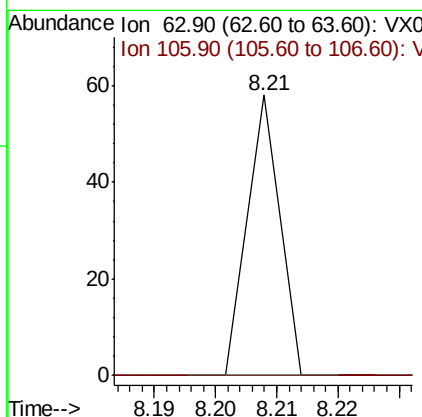
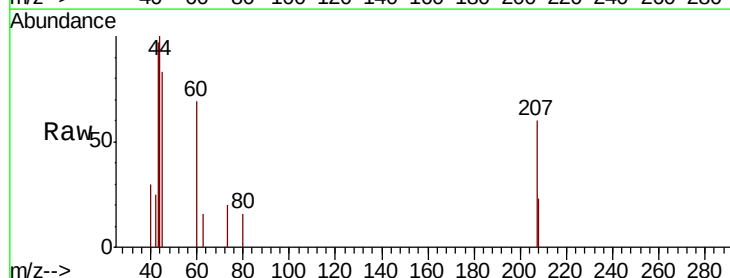
Instrument :
MSVOA_X
ClientSampleId :
MW-23

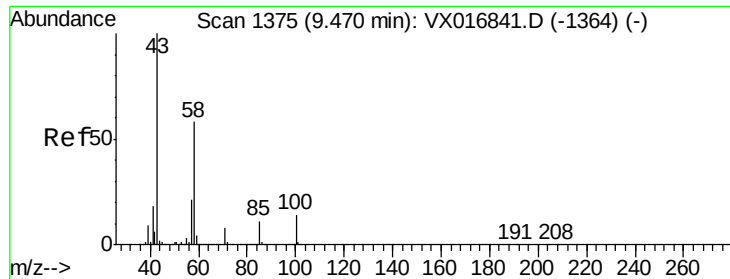
Tot Ion: 98 Resp: 451724
Ion Ratio Lower Upper
98 100
100 67.3 54.0 81.0



#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 8.21 min Scan# 1168
Delta R.T. -0.09 min
Lab File: VX016862.D
Acq: 19 Jun 2020 01:03

Tgt Ion: 63 Resp: 21
Ion Ratio Lower Upper
63 100
106 0.0 25.8 38.6#

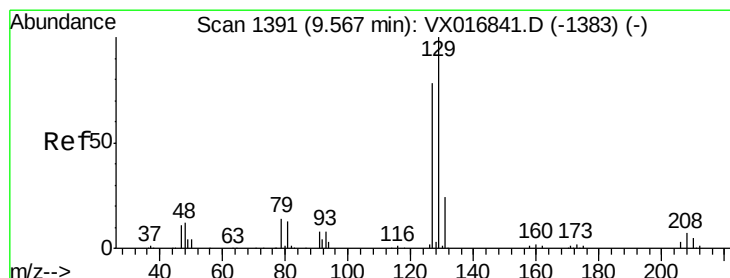
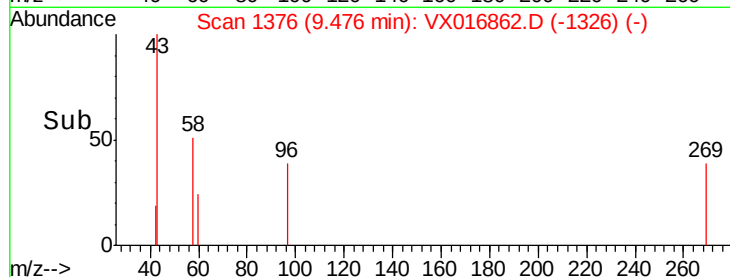
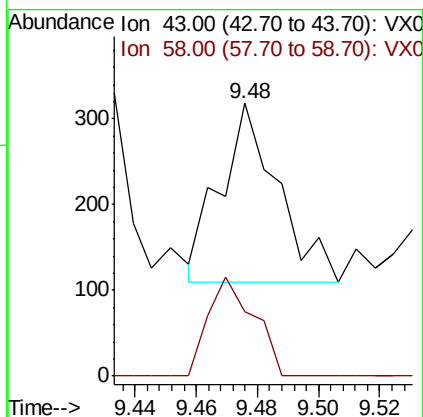
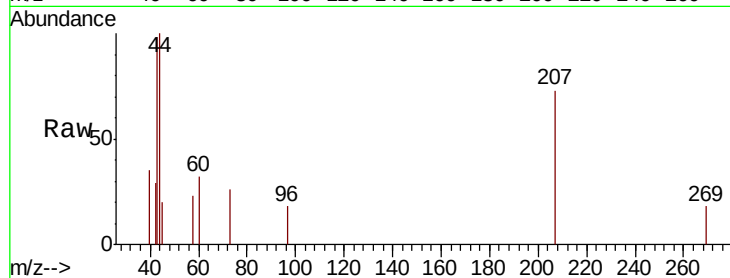




#59
2-Hexanone
Concen: Below Cal
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX016862.D
Acq: 19 Jun 2020 01:03

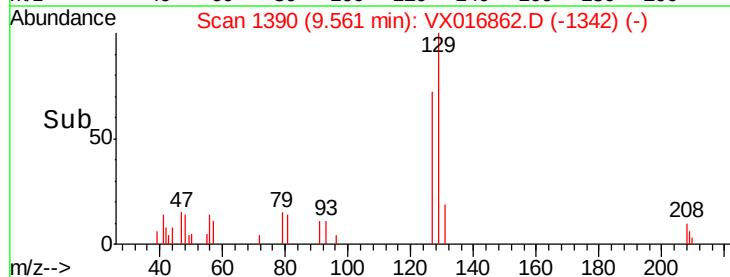
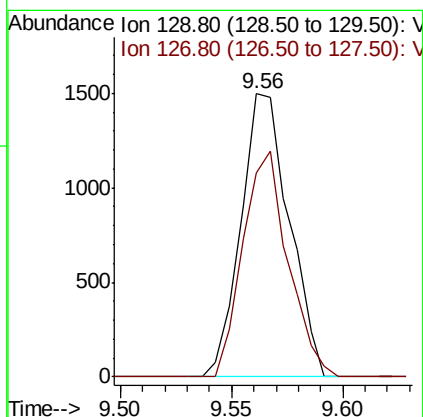
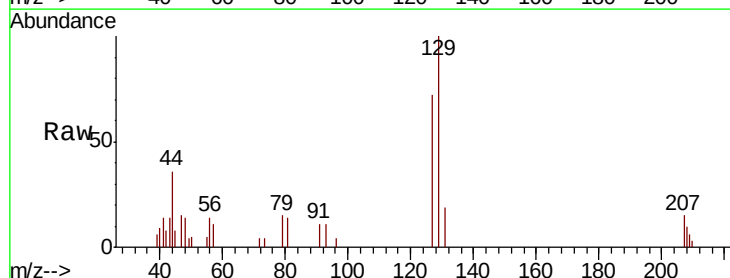
Instrument :
MSVOA_X
ClientSampled :
MW-23

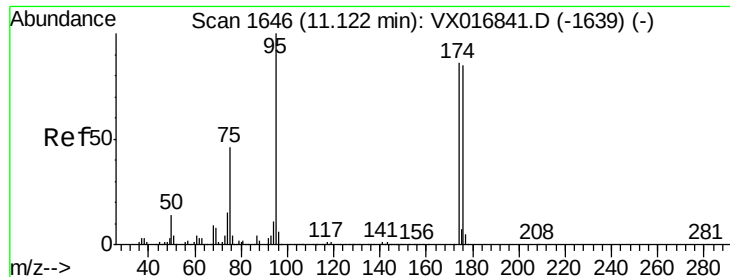
Tot Ion: 43 Resp: 270
Ion Ratio Lower Upper
43 100
58 44.4 29.8 89.4



#60
Dibromochloromethane
Concen: 0.598 ug/l
RT: 9.56 min Scan# 1390
Delta R.T. -0.01 min
Lab File: VX016862.D
Acq: 19 Jun 2020 01:03

Tgt Ion: 129 Resp: 2262
Ion Ratio Lower Upper
129 100
127 74.7 38.5 115.5





#62

4-Bromofluorobenzene

Concen: 45.877 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016862.D

Acq: 19 Jun 2020 01:03

Instrument :

MSVOA_X

ClientSampled :

MW-23

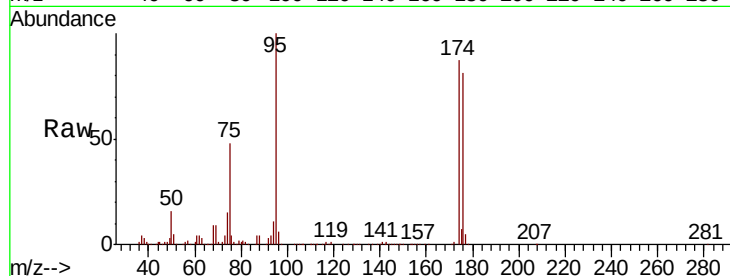
Tot Ion: 95 Resp: 204274

Ion Ratio Lower Upper

95 100

174 87.7 0.0 174.2

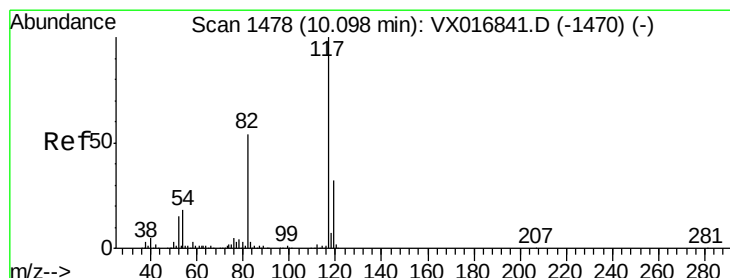
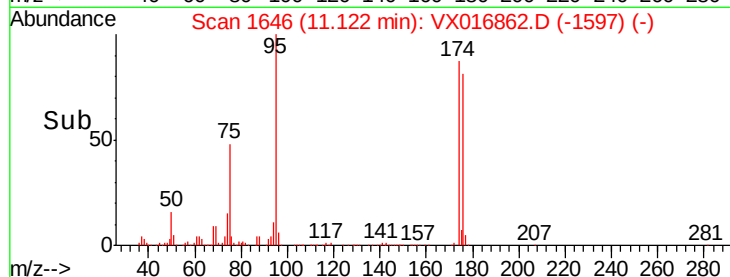
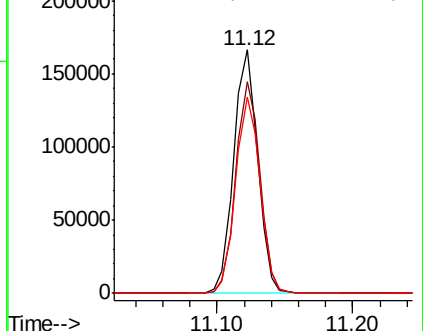
176 82.6 0.0 170.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016862.D

Acq: 19 Jun 2020 01:03

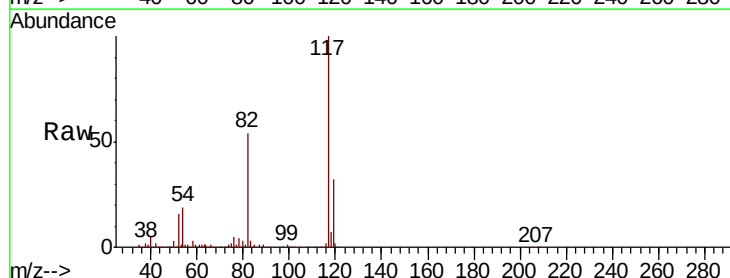
Tgt Ion: 117 Resp: 434852

Ion Ratio Lower Upper

117 100

82 54.2 43.4 65.0

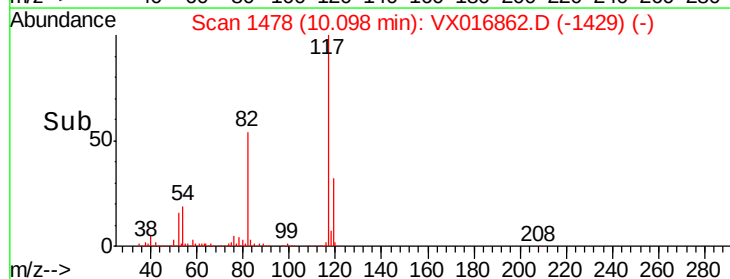
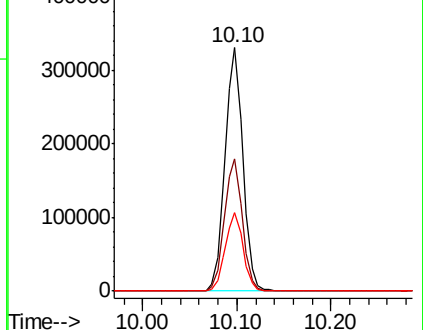
119 32.0 25.7 38.5

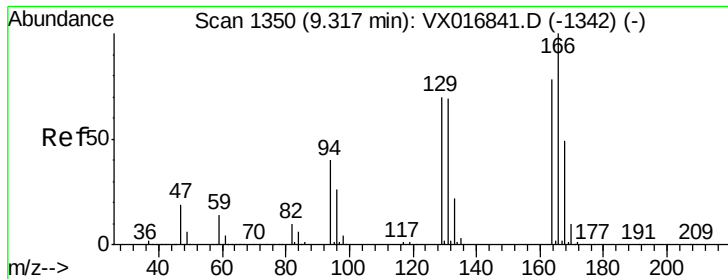


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0

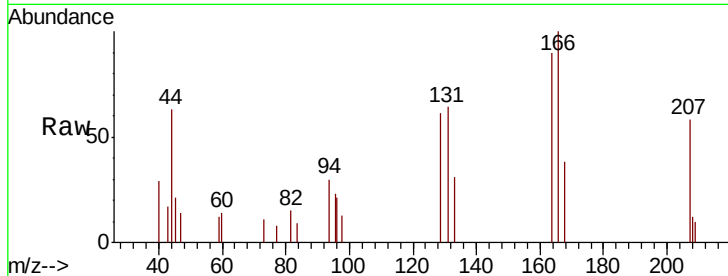




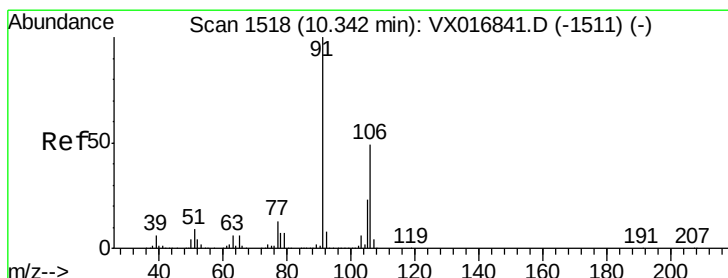
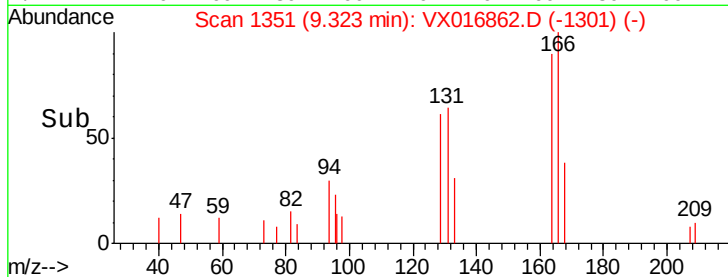
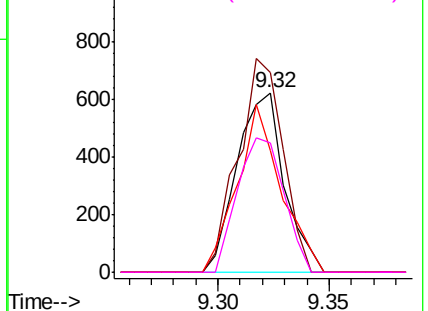
#64
Tetrachloroethene
Concen: 0.230 ug/l
RT: 9.32 min Scan# 1351
Delta R.T. 0.01 min
Lab File: VX016862.D
Acq: 19 Jun 2020 01:03

Instrument :
MSVOA_X
ClientSampled :
MW-23

Tot Ion:164 Resp: 926
Ion Ratio Lower Upper
164 100
166 111.4 102.6 153.8
129 68.1 72.2 108.2#
131 71.8 70.8 106.2

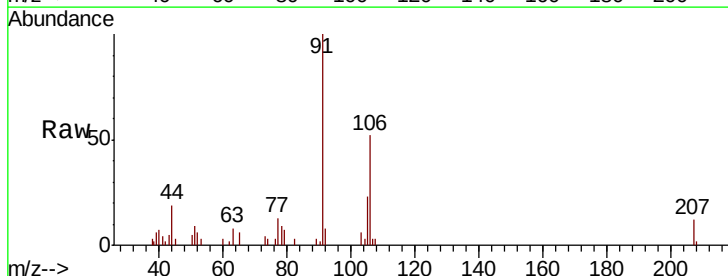


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

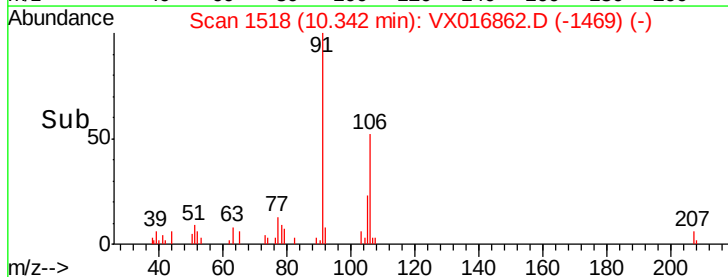
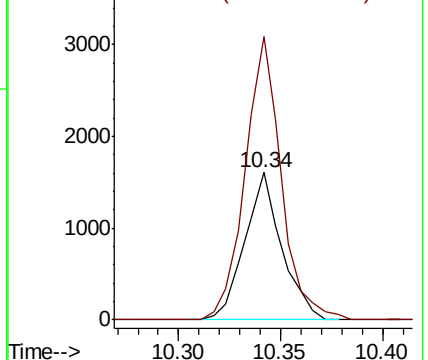


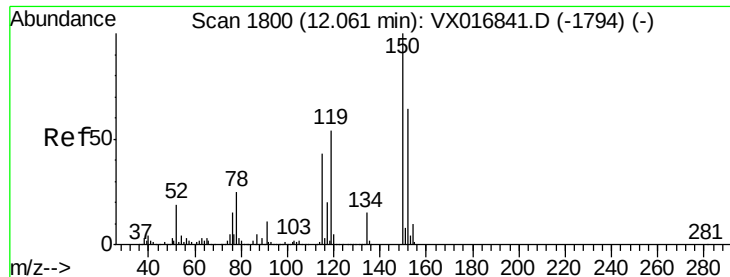
#68
m/p-Xylenes
Concen: 0.350 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX016862.D
Acq: 19 Jun 2020 01:03

Tgt Ion:106 Resp: 2022
Ion Ratio Lower Upper
106 100
91 187.7 161.5 242.3



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



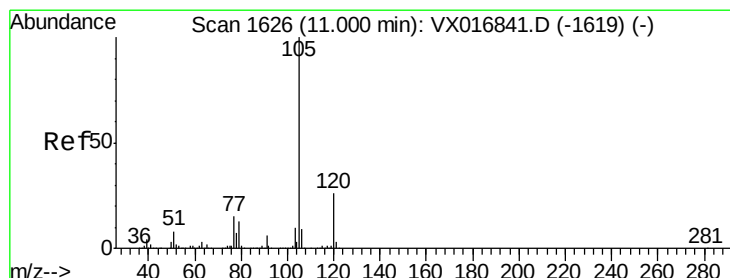
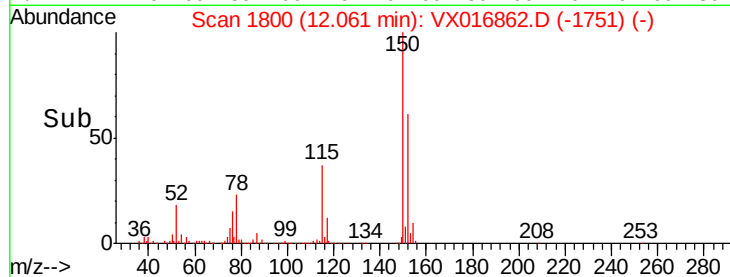
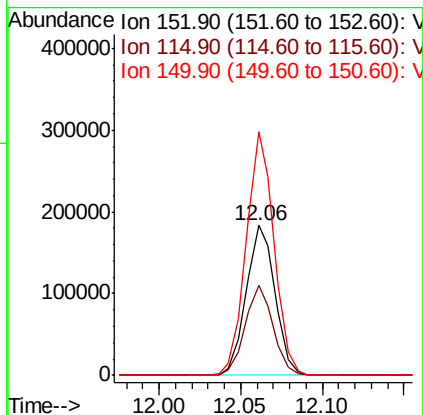
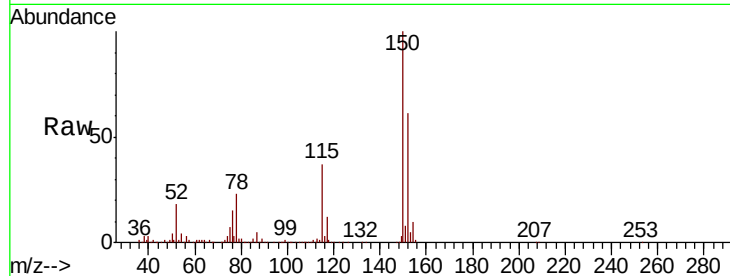


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016862.D
Acq: 19 Jun 2020 01:03

Instrument :
MSVOA_X
ClientSampleId :
MW-23

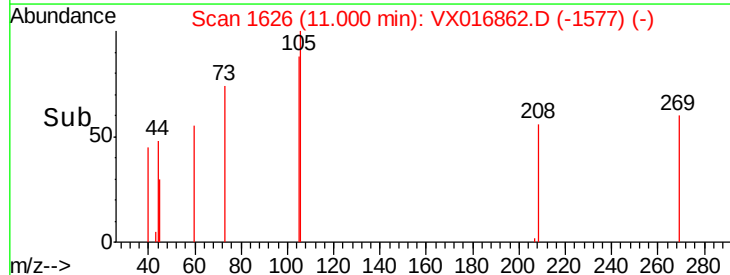
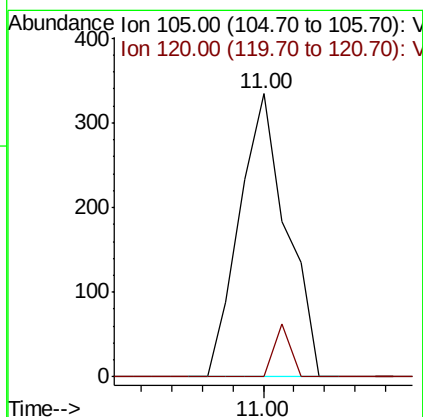
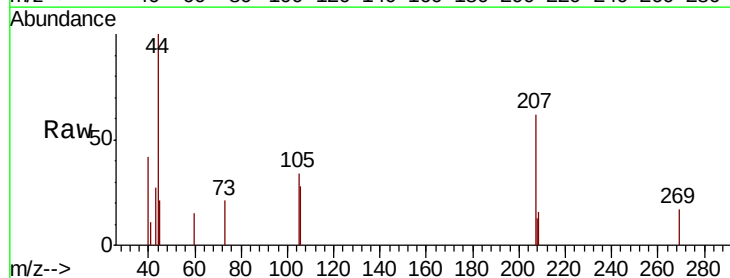
Tot Ion	Ratio	Lower	Upper
152	100		
115	58.2	40.9	122.8
150	157.3	0.0	344.2

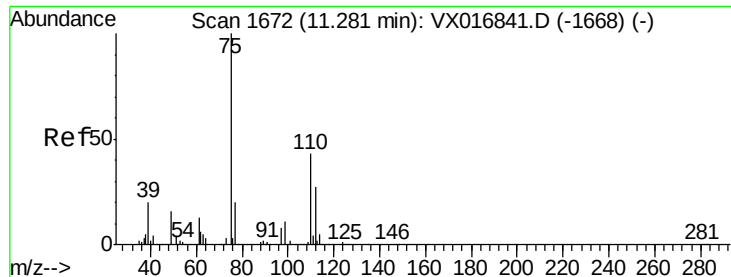


#73

Isopropylbenzene
Concen: Below Cal
RT: 11.00 min Scan# 1626
Delta R.T. -0.00 min
Lab File: VX016862.D
Acq: 19 Jun 2020 01:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	6.5	13.2	39.6





#76

1,2,3-Trichloropropane

Concen: 23.819 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016862.D

Acq: 19 Jun 2020 01:03

Instrument :

MSVOA_X

ClientSampled :

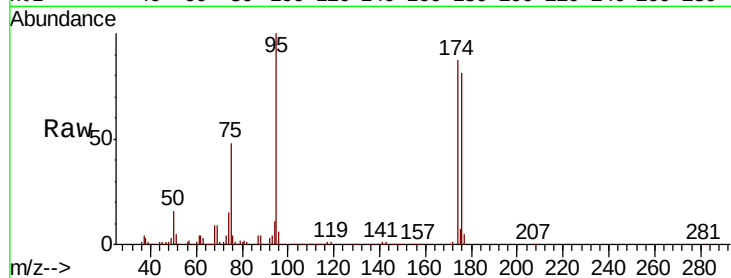
MW-23

Tot Ion: 75 Resp: 98667

Ion Ratio Lower Upper

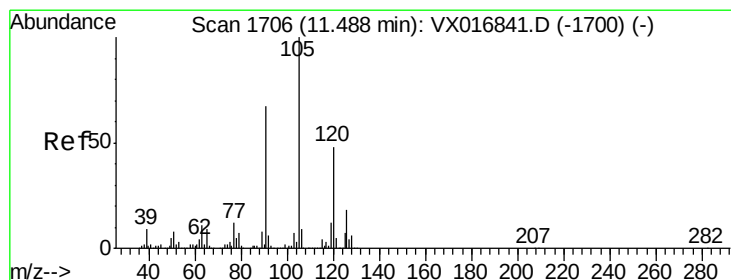
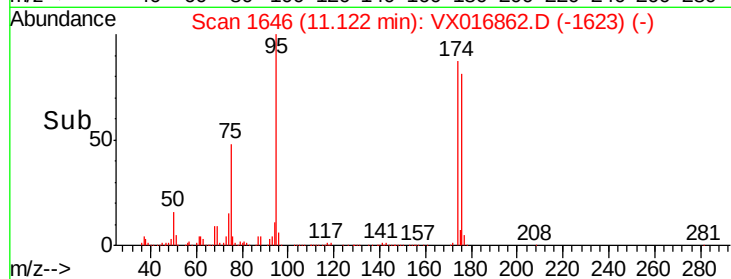
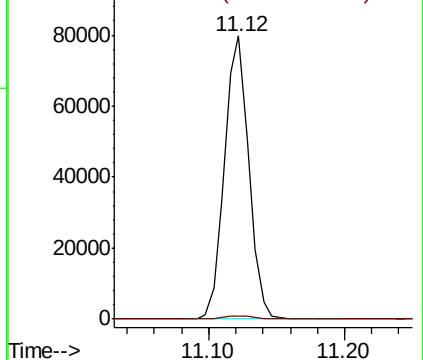
75 100

77 1.4 20.5 61.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#80

1,3,5-Trimethylbenzene

Concen: 0.227 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX016862.D

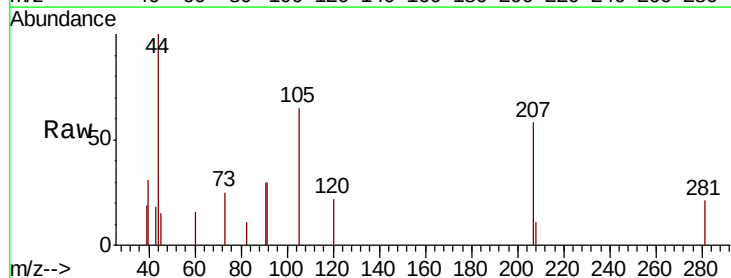
Acq: 19 Jun 2020 01:03

Tgt Ion: 105 Resp: 264

Ion Ratio Lower Upper

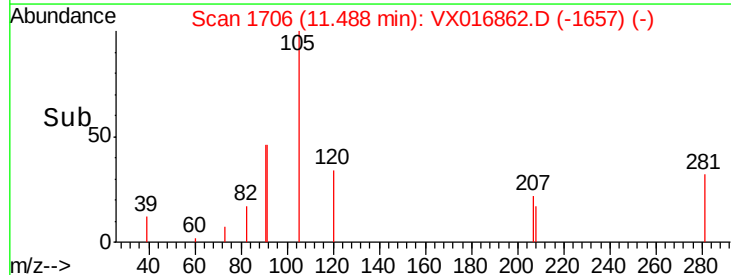
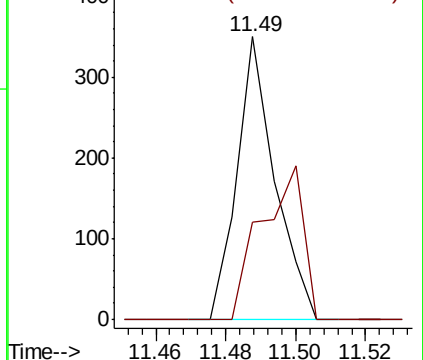
105 100

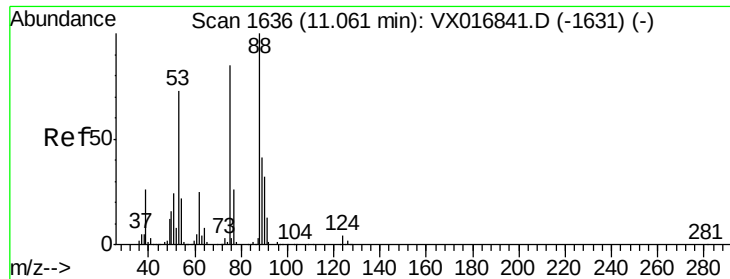
120 59.8 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

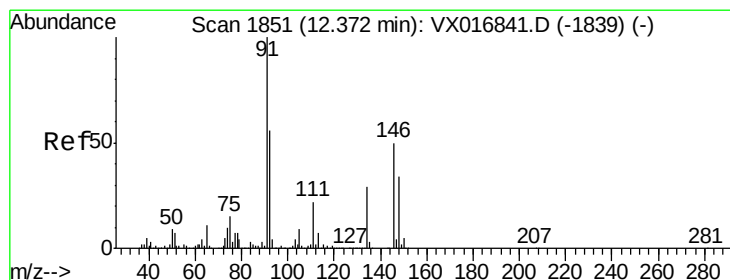
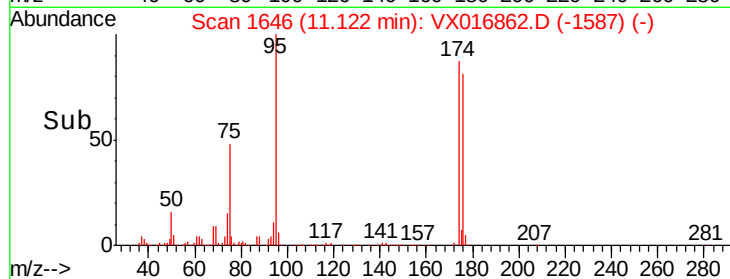
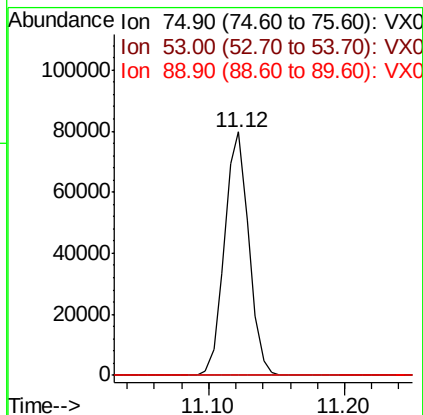
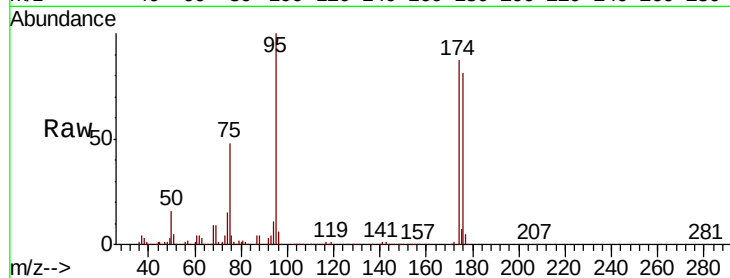




#81
trans-1,4-Dichloro-2-butene
Concen: 58.725 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.06 min
Lab File: VX016862.D
Acq: 19 Jun 2020 01:03

Instrument :
MSVOA_X
ClientSampled :
MW-23

Tot Ion: 75 Resp: 98667
Ion Ratio Lower Upper
75 100
53 0.1 69.8 104.8#
89 0.0 38.3 57.5#



#89
n-Butylbenzene
Concen: 3.062 ug/l
RT: 12.38 min Scan# 1852
Delta R.T. 0.01 min
Lab File: VX016862.D
Acq: 19 Jun 2020 01:03

Tgt Ion: 91 Resp: 639
Ion Ratio Lower Upper
91 100
92 44.3 27.4 82.2
134 0.0 13.9 41.6#

