

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061820\
 Data File : VX016860.D
 Acq On : 19 Jun 2020 00:17
 Operator : JC/SP
 Sample : L3020-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FD-01_061620

Quant Time: Jun 19 03:04:58 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	250191	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	382986	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	383068	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	230935	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	156069	51.87	ug/l	0.00
Spiked Amount			Recovery	=	103.74%	
35) Dibromofluoromethane	5.46	113	132705	54.17	ug/l	0.00
Spiked Amount			Recovery	=	108.34%	
50) Toluene-d8	8.70	98	463289	47.26	ug/l	0.00
Spiked Amount			Recovery	=	94.52%	
62) 4-Bromofluorobenzene	11.12	95	194925	51.90	ug/l	0.00
Spiked Amount			Recovery	=	103.80%	

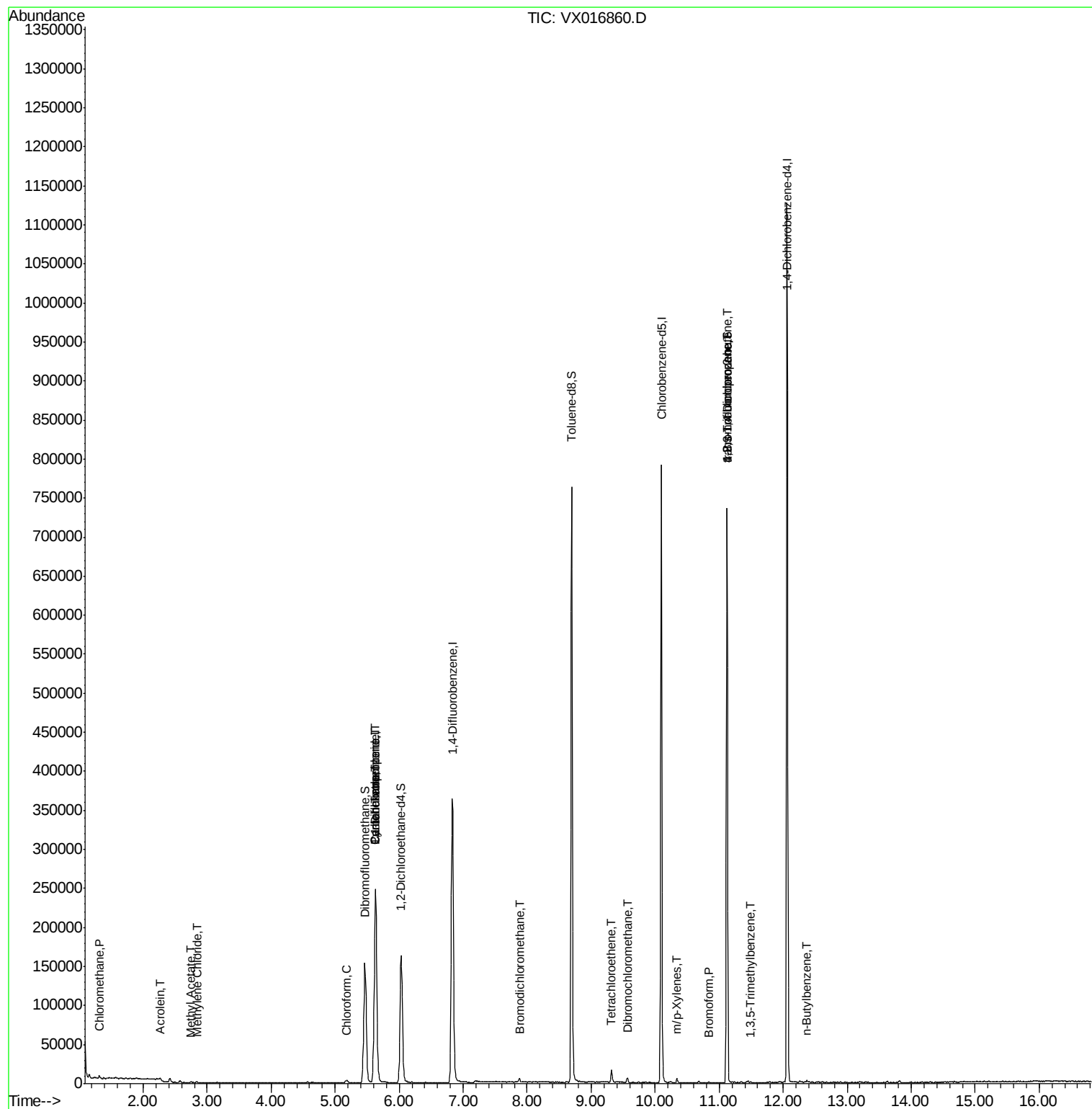
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	64	Below Cal	#	43
3) Chloromethane	1.31	50	2550	0.819	ug/l	96
5) Bromomethane	1.63	94	413	Below Cal	#	24
13) Acrolein	2.27	56	140	0.454	ug/l #	1
16) Acetone	2.42	43	4433	Below Cal		92
18) Methyl Acetate	2.75	43	949	0.342	ug/l #	66
20) Methylene Chloride	2.84	84	732	0.279	ug/l #	68
30) Chloroform	5.18	83	4140	0.927	ug/l	93
31) Cyclohexane	5.63	56	4177	1.123	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	16763	4.740	ug/l #	48
38) Carbon Tetrachloride	5.63	117	23199	5.847	ug/l #	17
47) Bromodichloromethane	7.88	83	3304	0.859	ug/l #	98
59) 2-Hexanone	9.48	43	165	Below Cal	#	21
60) Dibromochloromethane	9.57	129	2712	0.851	ug/l	99
64) Tetrachloroethene	9.32	164	3033	0.855	ug/l	95
68) m/p-Xylenes	10.34	106	1304	0.256	ug/l	93
71) Bromoform	10.84	173	538	0.213	ug/l #	29
73) Isopropylbenzene	11.01	105	224	Below Cal	#	68
76) 1,2,3-Trichloropropane	11.12	75	92812	21.684	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.49	105	233	0.224	ug/l	75
81) trans-1,4-Dichloro-2-buten	11.12	75	92812	53.889	ug/l #	14
89) n-Butylbenzene	12.37	91	743	3.069	ug/l	96

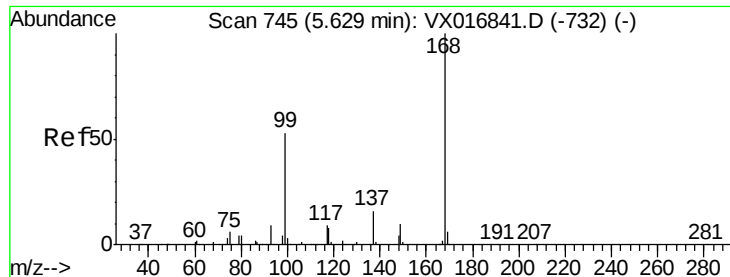
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061820\
Data File : VX016860.D
Acq On : 19 Jun 2020 00:17
Operator : JC/SP
Sample : L3020-12
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FD-01_061620

Quant Time: Jun 19 03:04:58 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 18 15:20:47 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: VX016860.D

Acq: 19 Jun 2020 00:17

Instrument :

MSVOA_X

ClientSampleId :

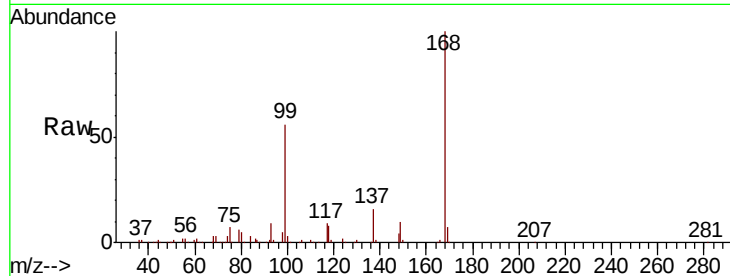
FD-01_061620

Tot Ion:168 Resp: 250191

Ion Ratio Lower Upper

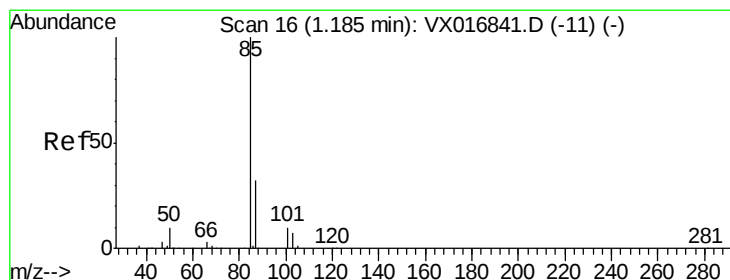
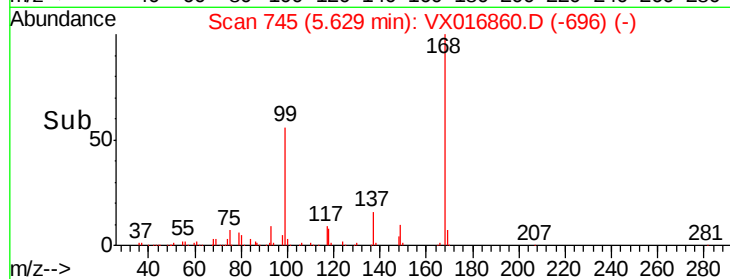
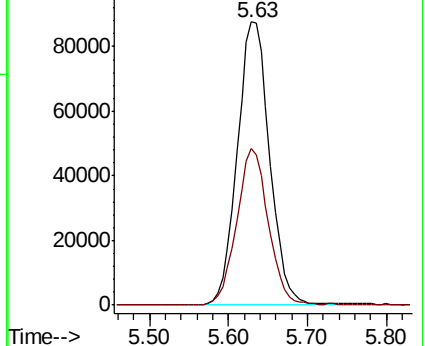
168 100

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



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX016860.D

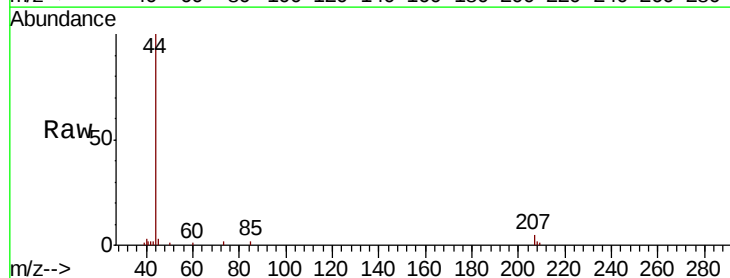
Acq: 19 Jun 2020 00:17

Tgt Ion: 85 Resp: 64

Ion Ratio Lower Upper

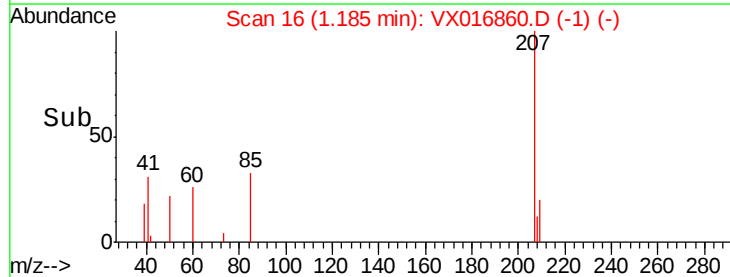
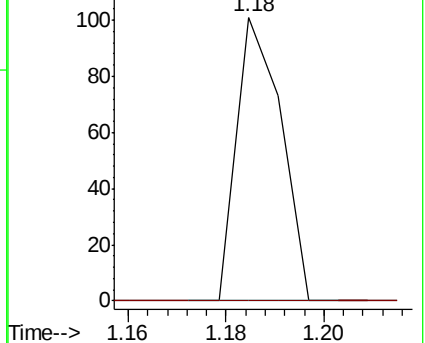
85 100

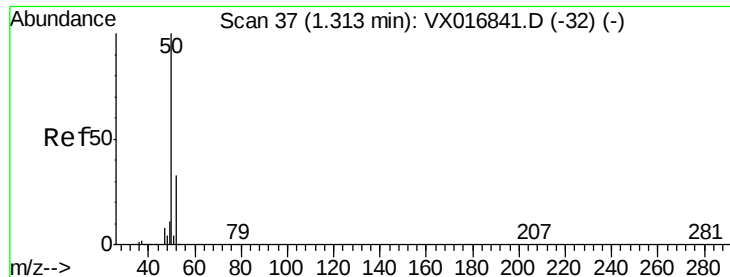
87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.819 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016860.D

Acq: 19 Jun 2020 00:17

Instrument :

MSVOA_X

ClientSampleId :

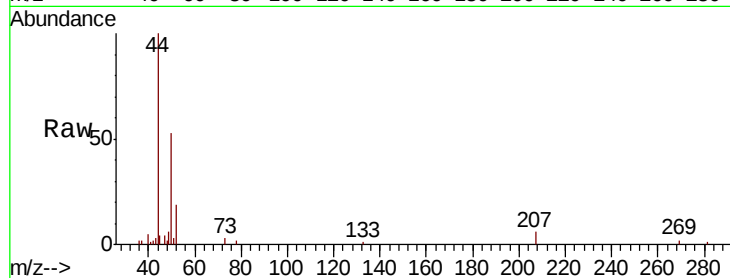
FD-01_061620

Tot Ion: 50 Resp: 2550

Ion Ratio Lower Upper

50 100

52 35.0 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

3000

2500

2000

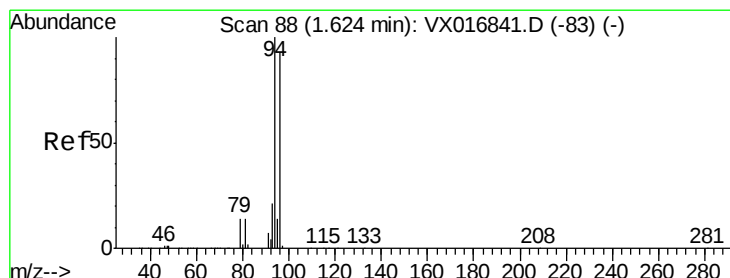
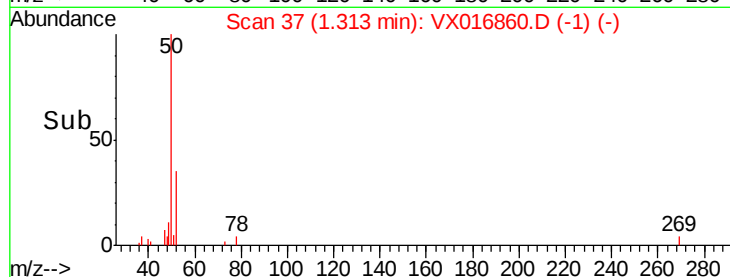
1500

1000

500

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX016860.D

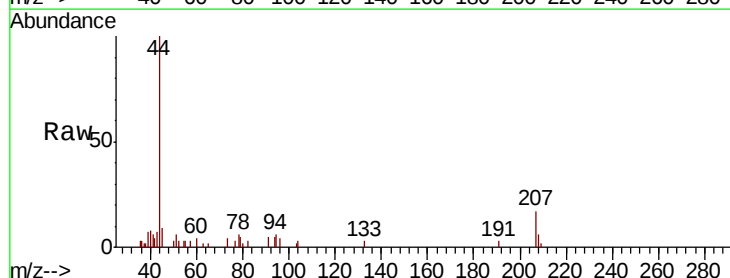
Acq: 19 Jun 2020 00:17

Tgt Ion: 94 Resp: 413

Ion Ratio Lower Upper

94 100

96 20.2 74.4 111.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

300

250

200

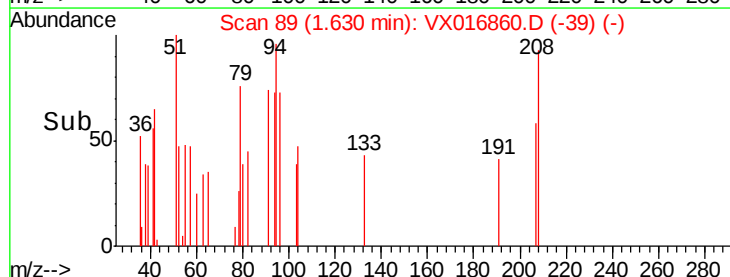
150

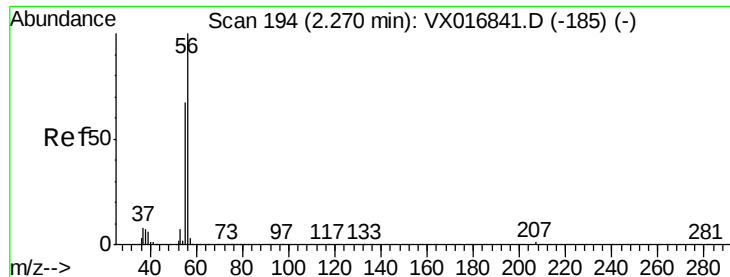
100

50

0

Time-->





#13

Acrolein

Concen: 0.454 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016860.D

Acq: 19 Jun 2020 00:17

Instrument :

MSVOA_X

ClientSampleId :

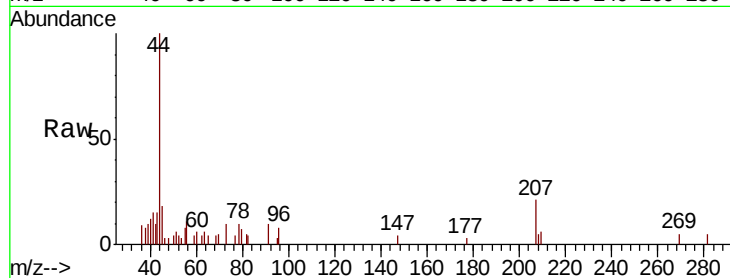
FD-01_061620

Tot Ion: 56 Resp: 140

Ion Ratio Lower Upper

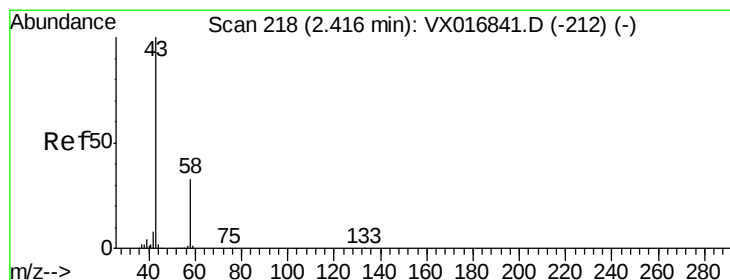
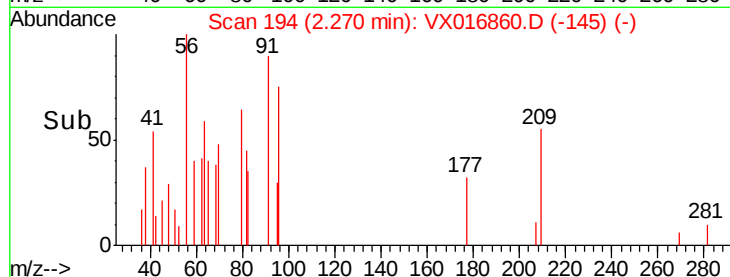
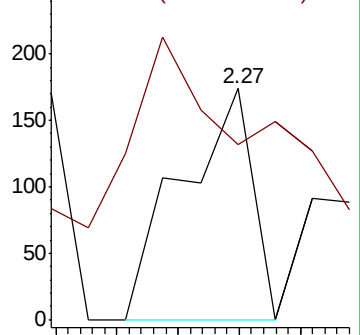
56 100

55 370.7 55.7 83.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: Below Cal

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX016860.D

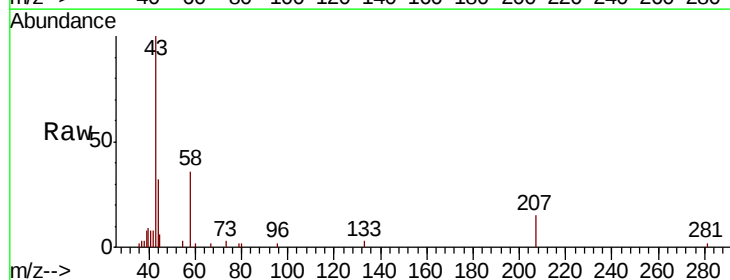
Acq: 19 Jun 2020 00:17

Tgt Ion: 43 Resp: 4433

Ion Ratio Lower Upper

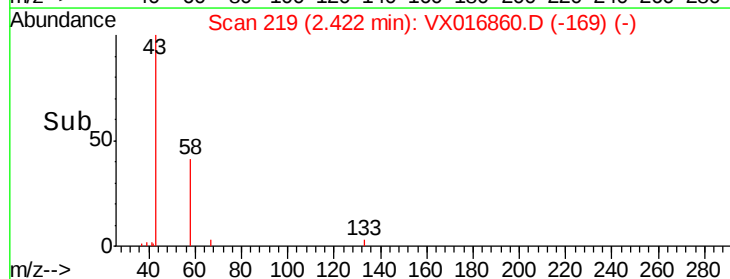
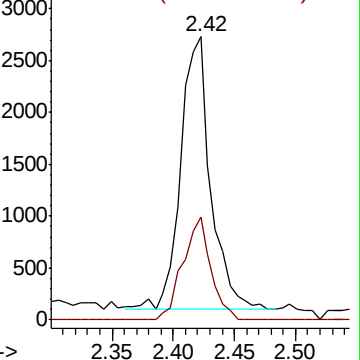
43 100

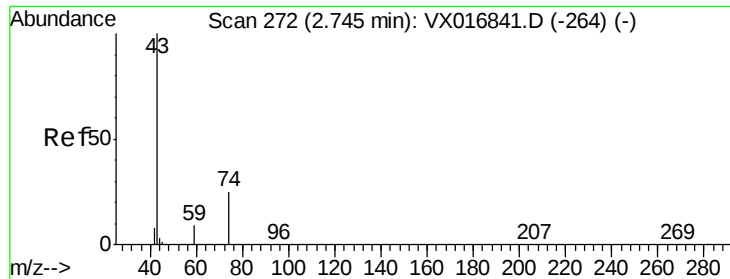
58 37.9 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

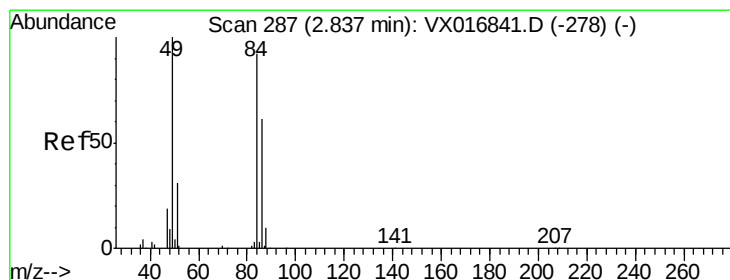
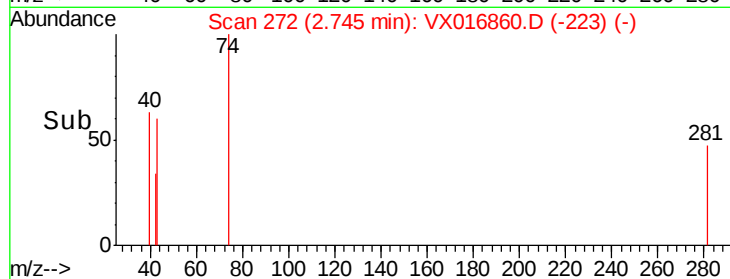
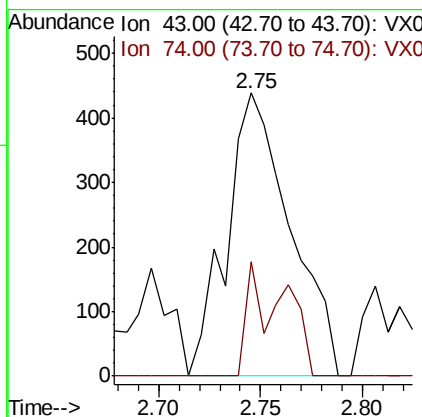
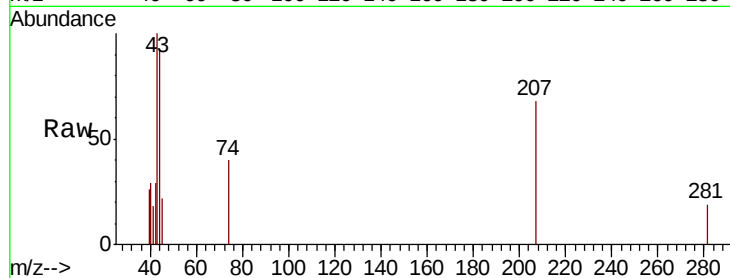




#18
Methyl Acetate
Concen: 0.342 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.00 min
Lab File: VX016860.D
Acq: 19 Jun 2020 00:17

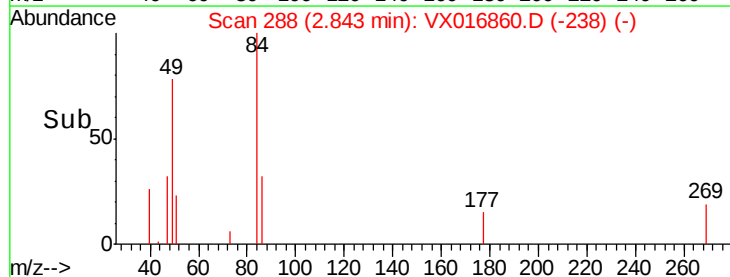
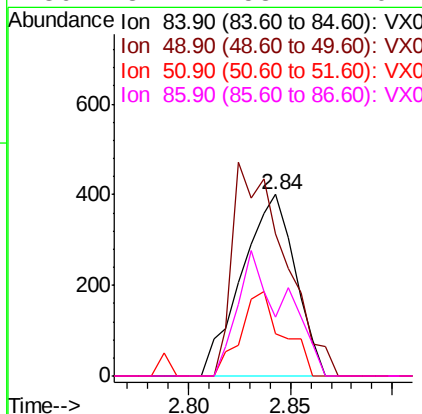
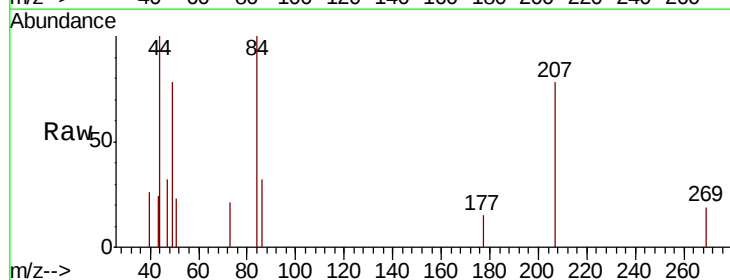
Instrument :
MSVOA_X
ClientSampled :
FD-01_061620

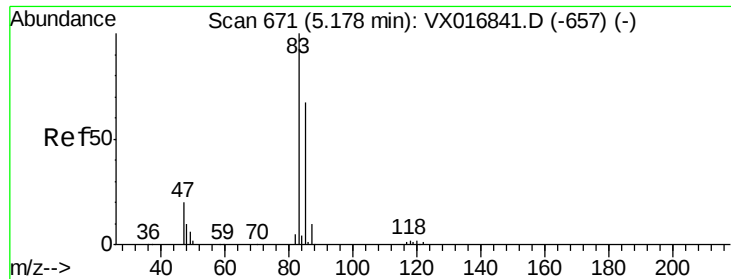
Tot Ion: 43 Resp: 949
Ion Ratio Lower Upper
43 100
74 9.4 21.8 32.8#



#20
Methylene Chloride
Concen: 0.279 ug/l
RT: 2.84 min Scan# 288
Delta R.T. 0.01 min
Lab File: VX016860.D
Acq: 19 Jun 2020 00:17

Tgt Ion: 84 Resp: 732
Ion Ratio Lower Upper
84 100
49 78.1 86.6 129.8#
51 22.9 27.1 40.7#
86 32.2 53.1 79.7#

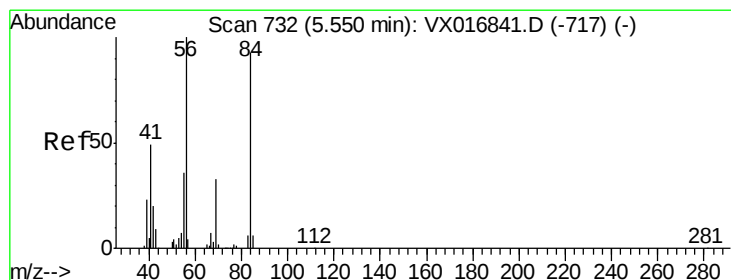
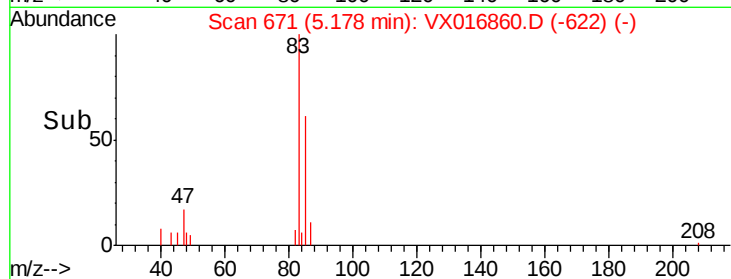
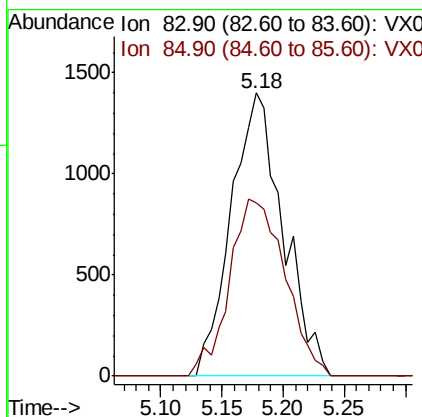
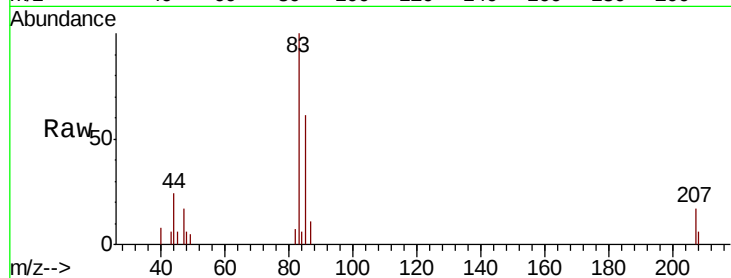




#30
Chloroform
Concen: 0.927 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.00 min
Lab File: VX016860.D
Acq: 19 Jun 2020 00:17

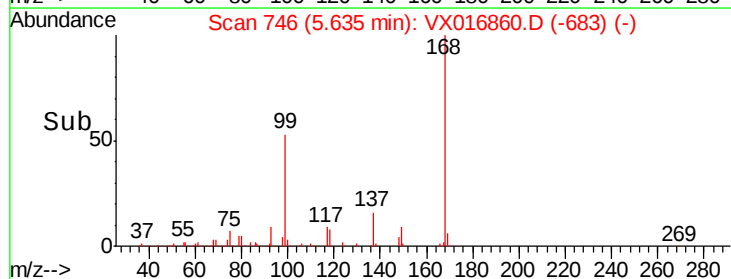
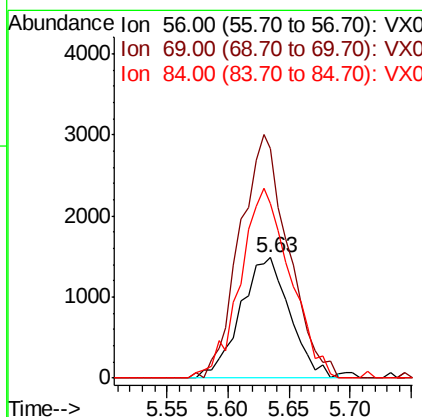
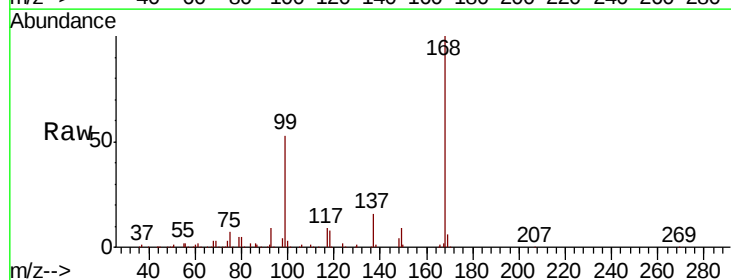
Instrument :
MSVOA_X
ClientSampleId :
FD-01_061620

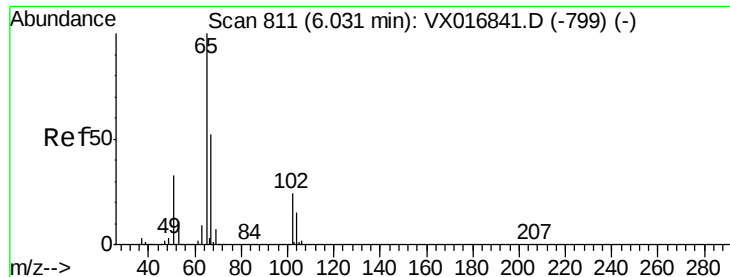
Tot Ion: 83 Resp: 4140
Ion Ratio Lower Upper
83 100
85 61.1 53.4 80.0



#31
Cyclohexane
Concen: 1.123 ug/l
RT: 5.63 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX016860.D
Acq: 19 Jun 2020 00:17

Tgt Ion: 56 Resp: 4177
Ion Ratio Lower Upper
56 100
69 191.2 26.1 39.1#
84 144.8 73.0 109.6#





#33

1,2-Dichloroethane-d4

Concen: 51.868 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016860.D

Acq: 19 Jun 2020 00:17

Instrument :

MSVOA_X

ClientSampleId :

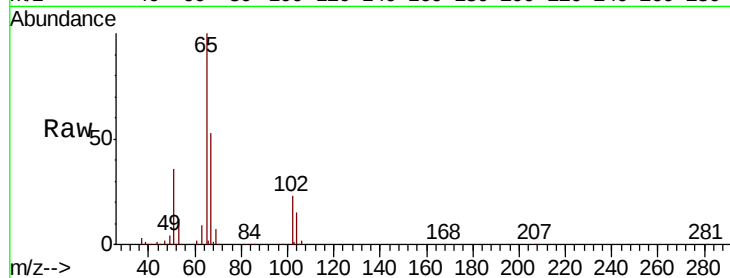
FD-01_061620

Tot Ion: 65 Resp: 156069

Ion Ratio Lower Upper

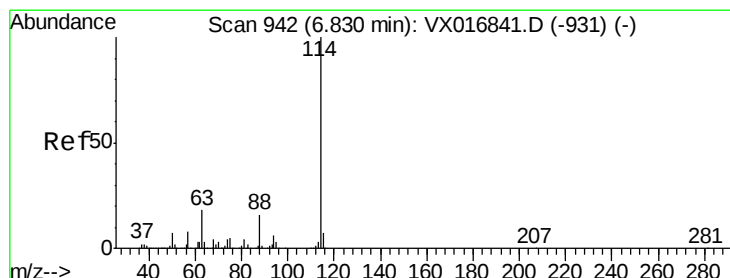
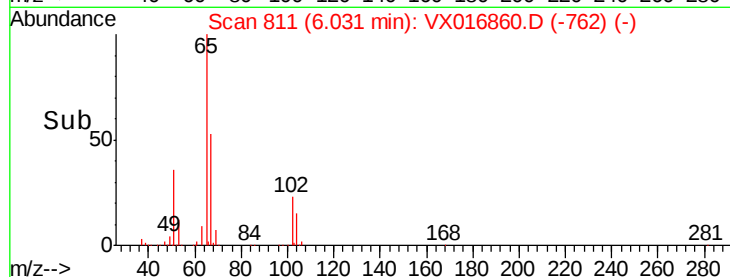
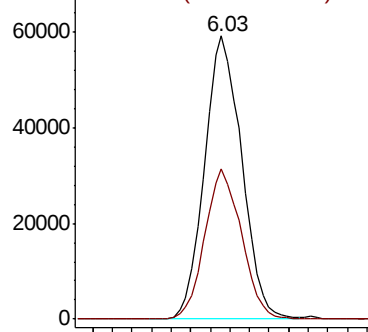
65 100

67 52.6 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: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016860.D

Acq: 19 Jun 2020 00:17

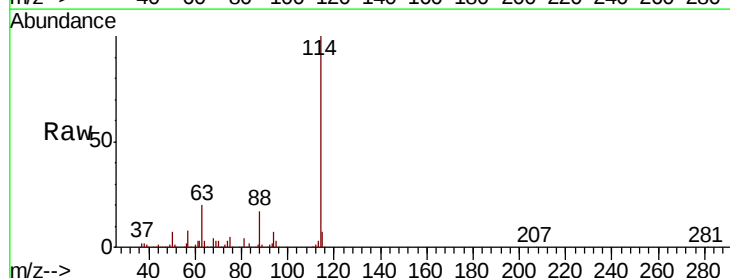
Tgt Ion: 114 Resp: 382986

Ion Ratio Lower Upper

114 100

63 19.9 0.0 37.0

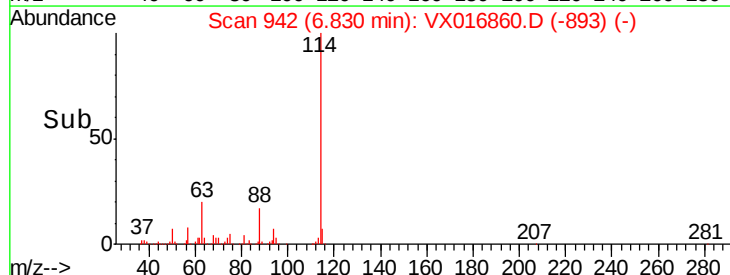
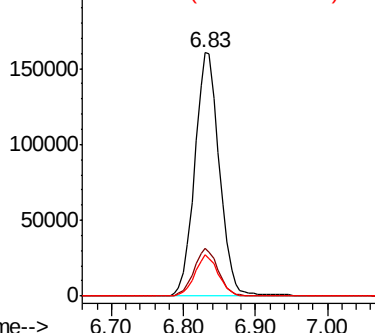
88 16.8 0.0 32.0

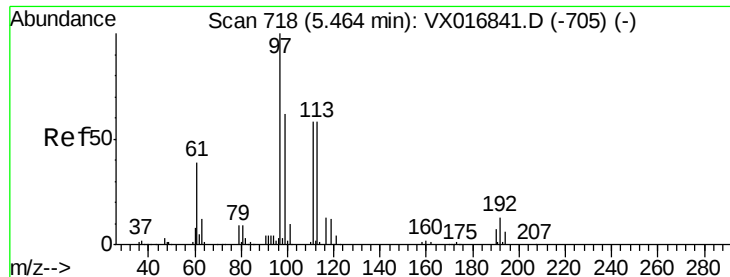


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 54.166 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016860.D

Acq: 19 Jun 2020 00:17

Instrument :

MSVOA_X

ClientSampleId :

FD-01_061620

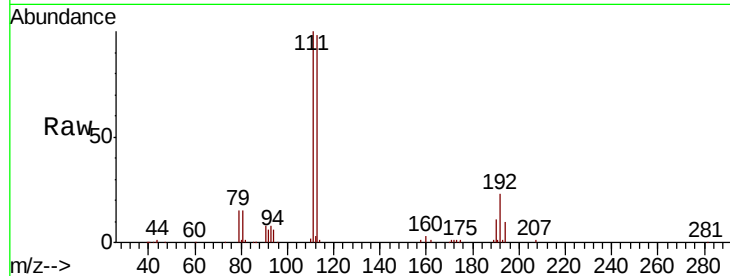
Tot Ion:113 Resp: 132705

Ion Ratio Lower Upper

113 100

111 103.0 81.0 121.4

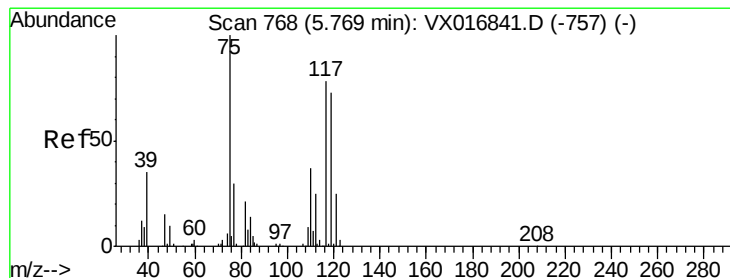
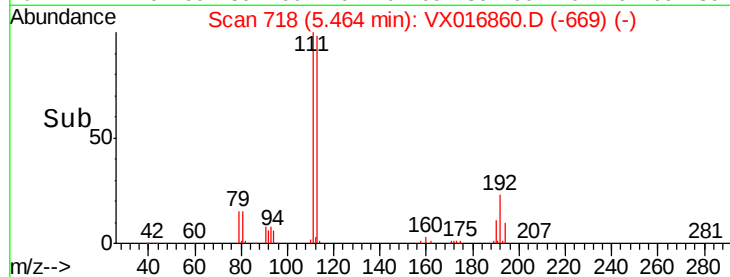
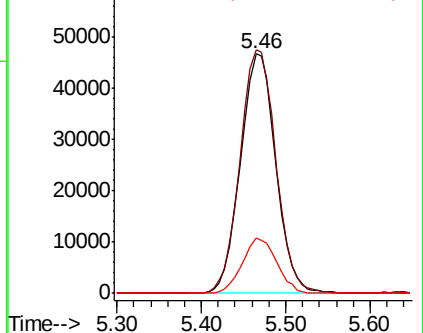
192 22.7 18.5 27.7



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: 4.740 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016860.D

Acq: 19 Jun 2020 00:17

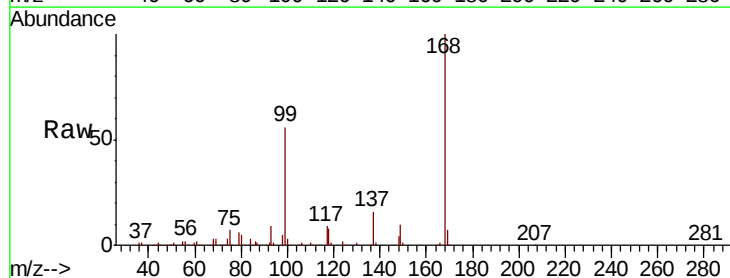
Tgt Ion: 75 Resp: 16763

Ion Ratio Lower Upper

75 100

110 9.4 18.9 56.9#

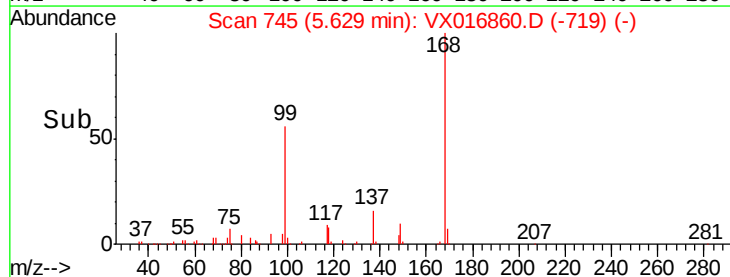
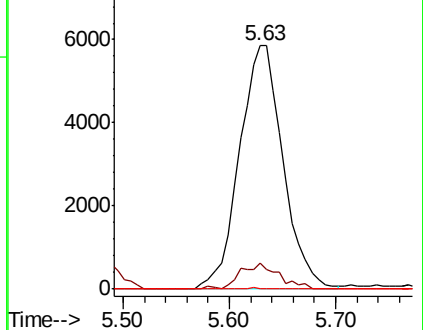
77 0.1 25.6 38.4#

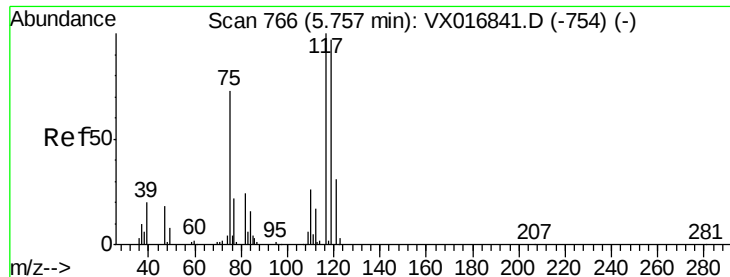


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.847 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016860.D

Acq: 19 Jun 2020 00:17

Instrument :

MSVOA_X

ClientSampleId :

FD-01_061620

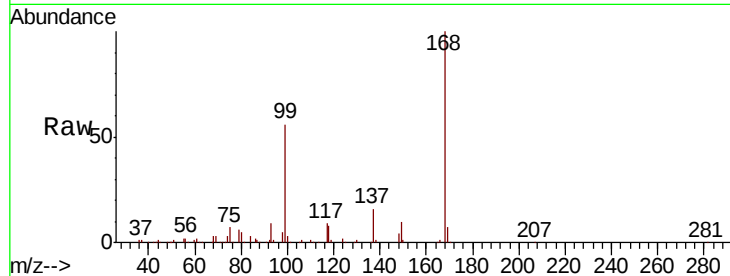
Tot Ion:117 Resp: 23199

Ion Ratio Lower Upper

117 100

119 6.9 77.4 116.2#

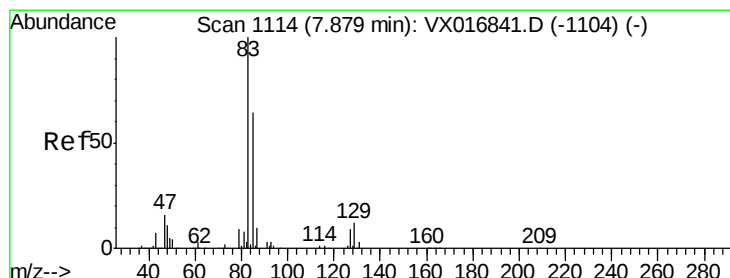
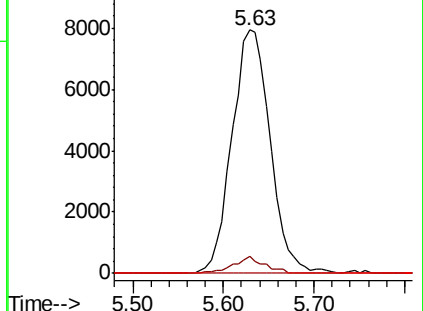
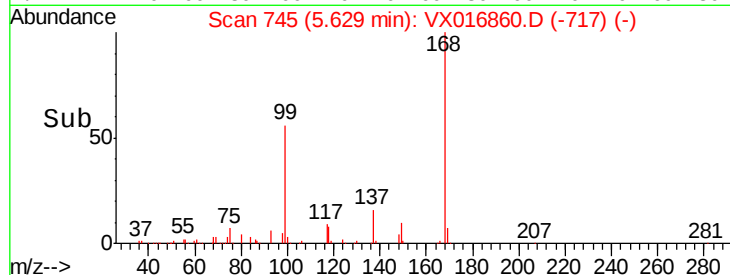
121 0.0 24.7 37.1#



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: 0.859 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX016860.D

Acq: 19 Jun 2020 00:17

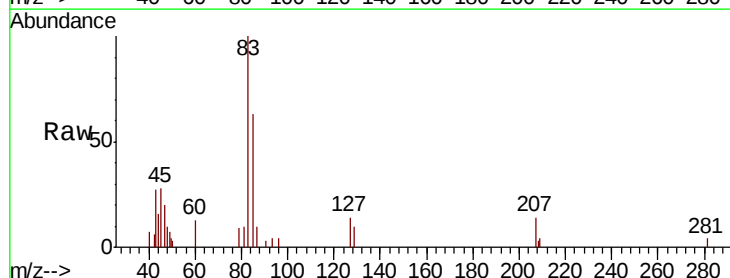
Tgt Ion: 83 Resp: 3304

Ion Ratio Lower Upper

83 100

85 63.3 50.9 76.3

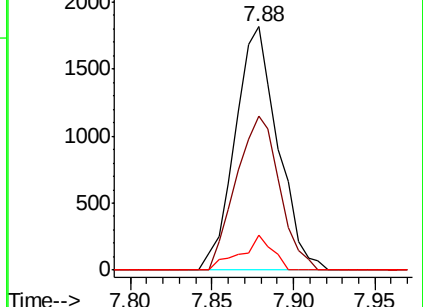
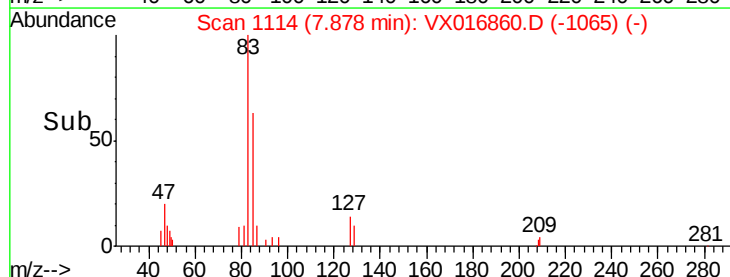
127 14.5 7.4 11.0#

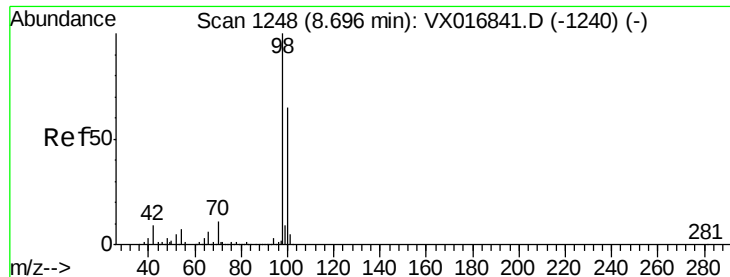


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V





#50

Toluene-d8

Concen: 47.265 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016860.D

Acq: 19 Jun 2020 00:17

Instrument :

MSVOA_X

ClientSampleId :

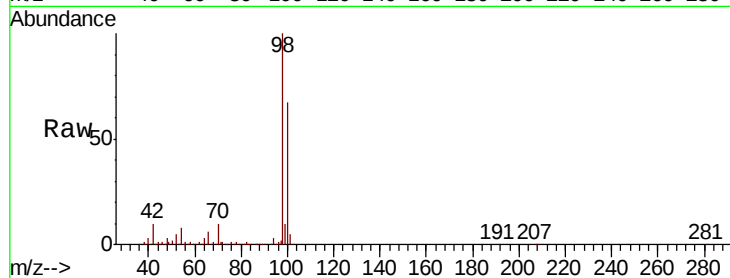
FD-01_061620

Tot Ion: 98 Resp: 463289

Ion Ratio Lower Upper

98 100

100 66.2 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.70

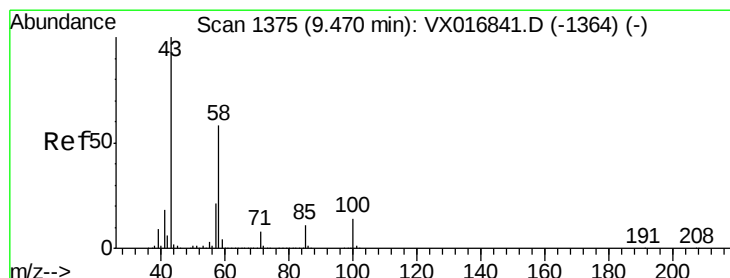
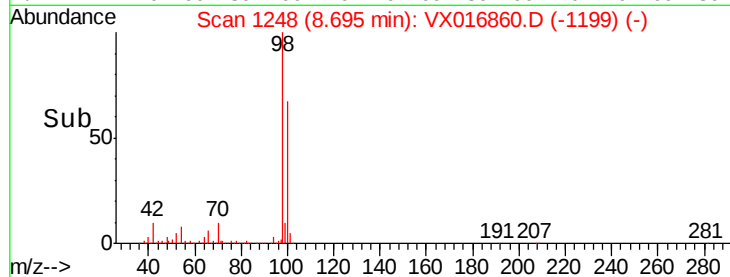
300000

200000

100000

0

Time-->



#59

2-Hexanone

Concen: Below Cal

RT: 9.48 min Scan# 1376

Delta R.T. 0.01 min

Lab File: VX016860.D

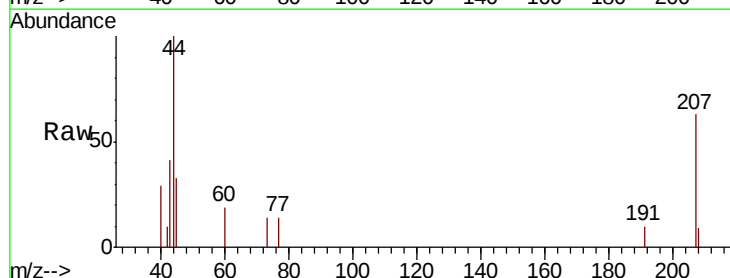
Acq: 19 Jun 2020 00:17

Tgt Ion: 43 Resp: 165

Ion Ratio Lower Upper

43 100

58 0.0 29.8 89.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.48

300

250

200

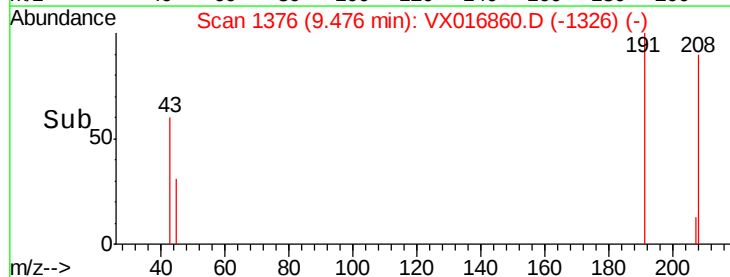
150

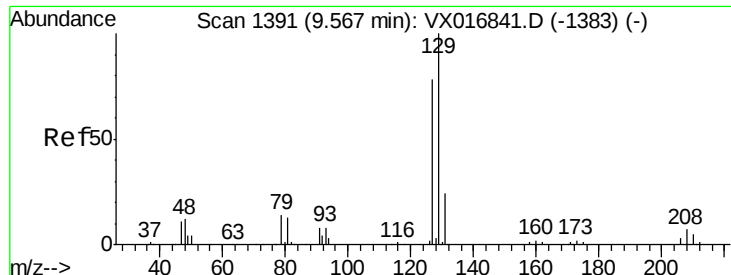
100

50

0

Time-->

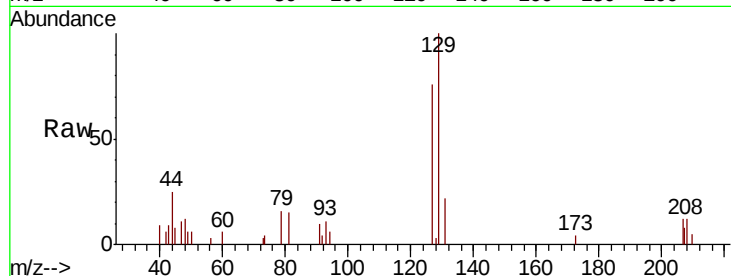




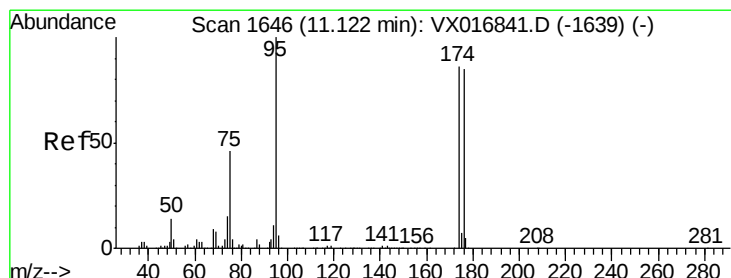
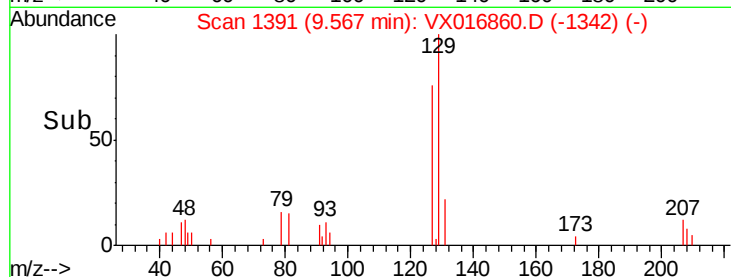
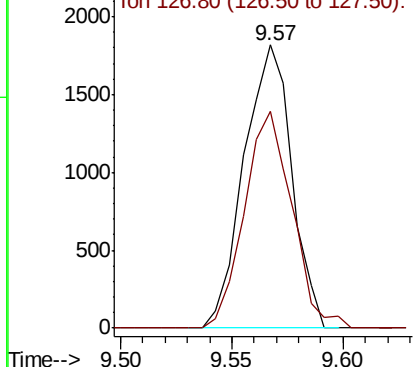
#60
Dibromochloromethane
Concen: 0.851 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX016860.D
Acq: 19 Jun 2020 00:17

Instrument :
MSVOA_X
ClientSampleId :
FD-01_061620

Tot Ion:129 Resp: 2712
Ion Ratio Lower Upper
129 100
127 76.1 38.5 115.5

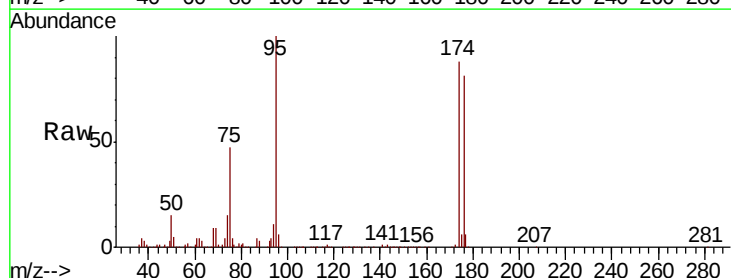


Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

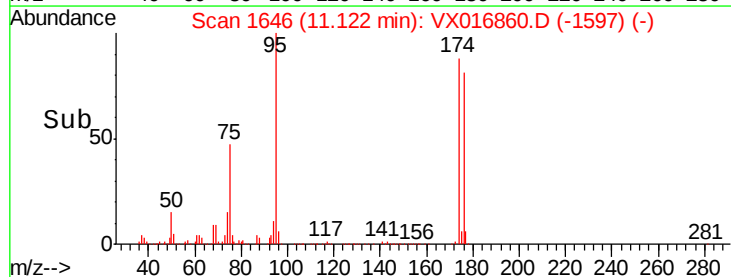
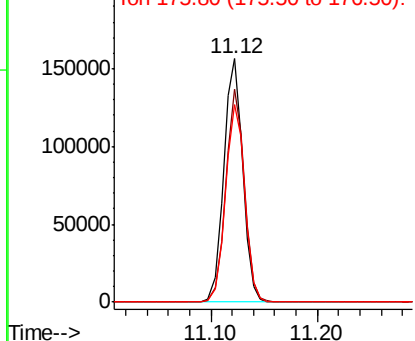


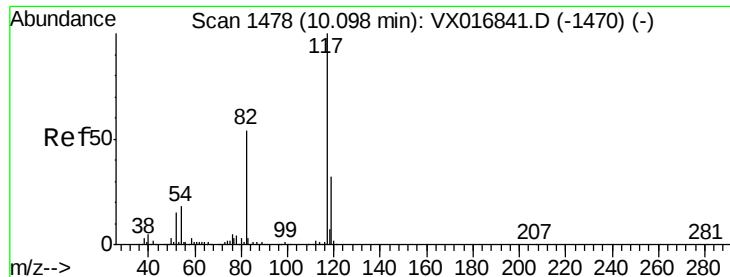
#62
4-Bromofluorobenzene
Concen: 51.903 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016860.D
Acq: 19 Jun 2020 00:17

Tgt Ion: 95 Resp: 194925
Ion Ratio Lower Upper
95 100
174 86.4 0.0 174.2
176 82.5 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

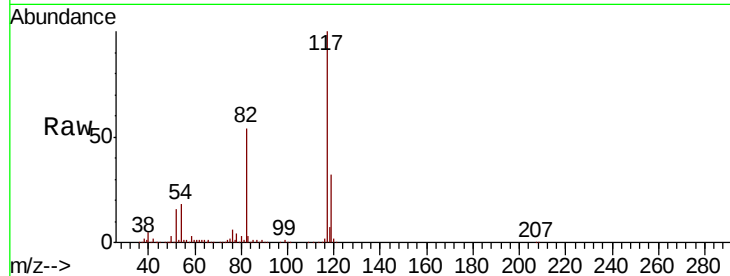




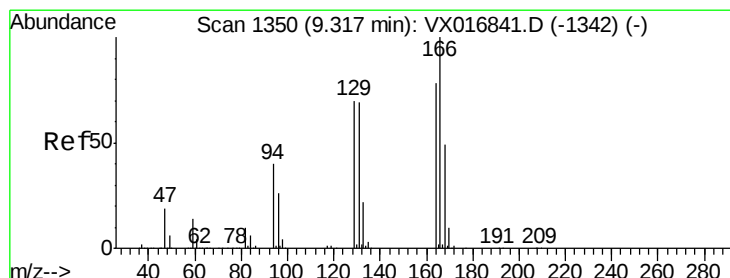
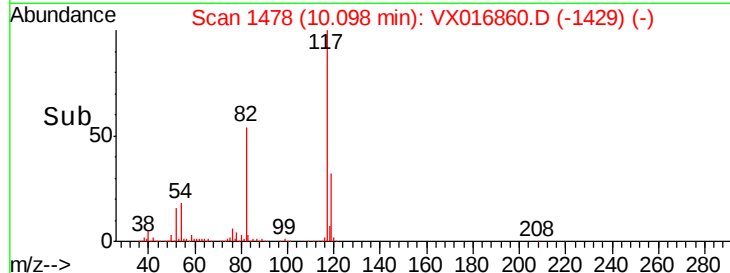
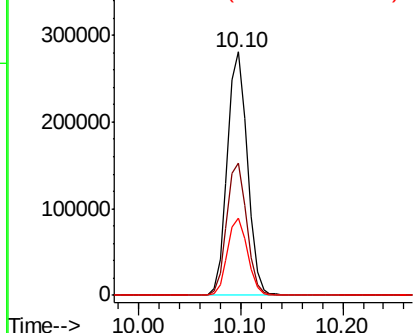
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016860.D
Acq: 19 Jun 2020 00:17

Instrument :
MSVOA_X
ClientSampleId :
FD-01_061620

Tot Ion:117 Resp: 383068
Ion Ratio Lower Upper
117 100
82 54.1 43.4 65.0
119 31.8 25.7 38.5



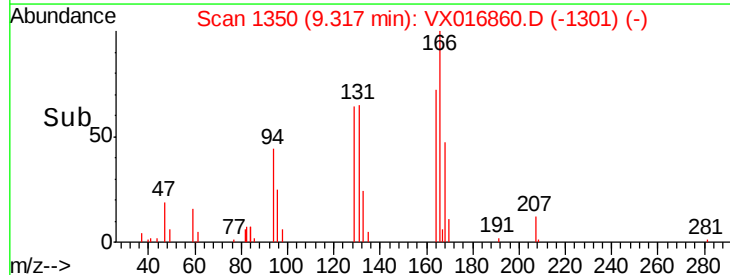
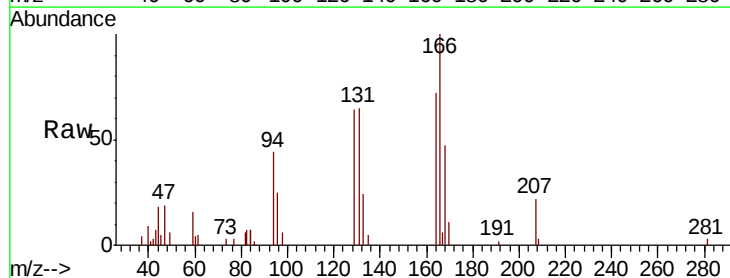
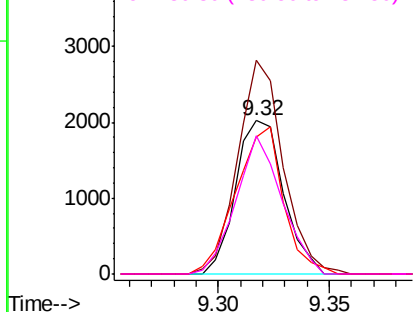
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

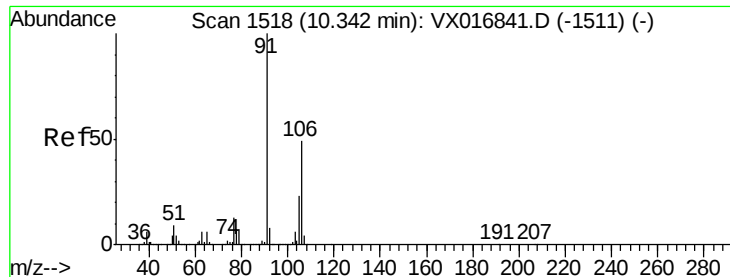


#64
Tetrachloroethene
Concen: 0.855 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016860.D
Acq: 19 Jun 2020 00:17

Tgt Ion:164 Resp: 3033
Ion Ratio Lower Upper
164 100
166 139.2 102.6 153.8
129 89.6 72.2 108.2
131 90.5 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-Xvlenes

Concen: 0.256 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX016860.D

Acq: 19 Jun 2020 00:17

Instrument :

MSVOA_X

ClientSampleId :

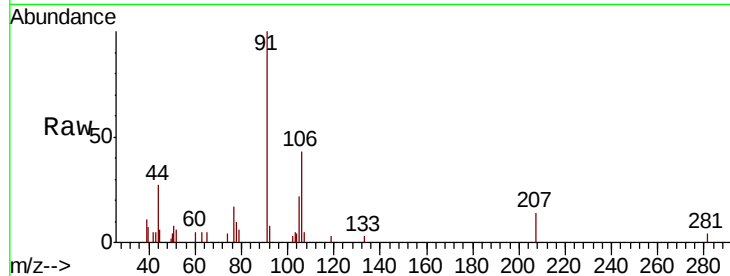
FD-01_061620

Tot Ion:106 Resp: 1304

Ion Ratio Lower Upper

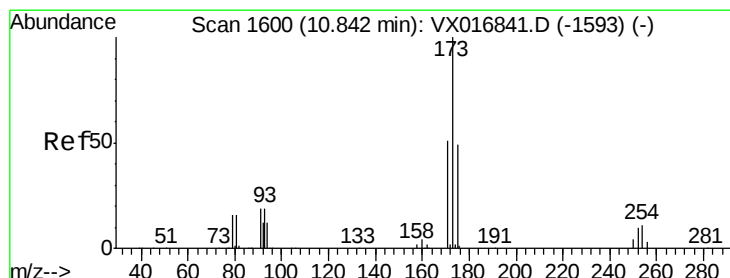
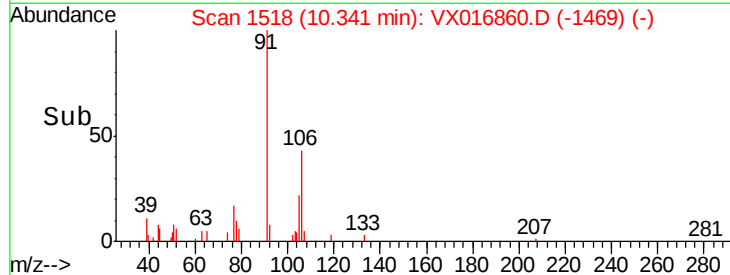
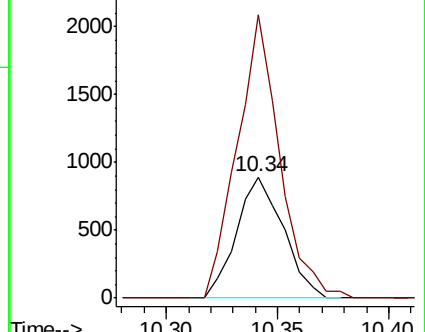
106 100

91 212.4 161.5 242.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#71

Bromoform

Concen: 0.213 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX016860.D

Acq: 19 Jun 2020 00:17

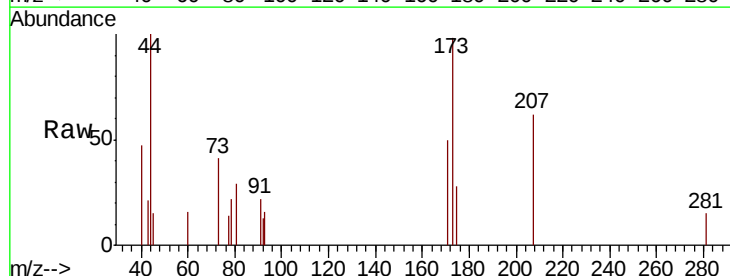
Tgt Ion:173 Resp: 538

Ion Ratio Lower Upper

173 100

175 0.0 24.3 73.0#

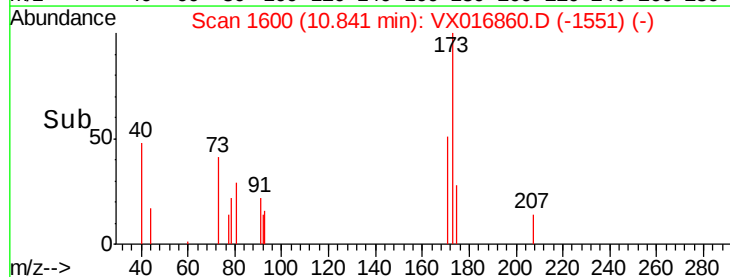
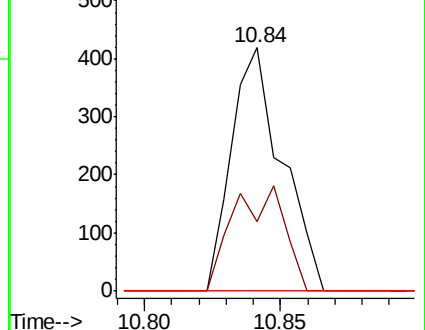
254 0.0 0.1 0.1#

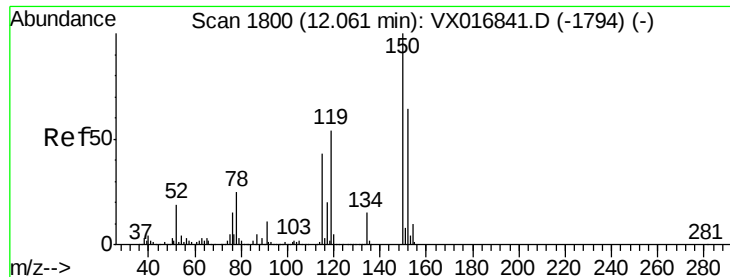


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016860.D

Acq: 19 Jun 2020 00:17

Instrument :

MSVOA_X

ClientSampleId :

FD-01_061620

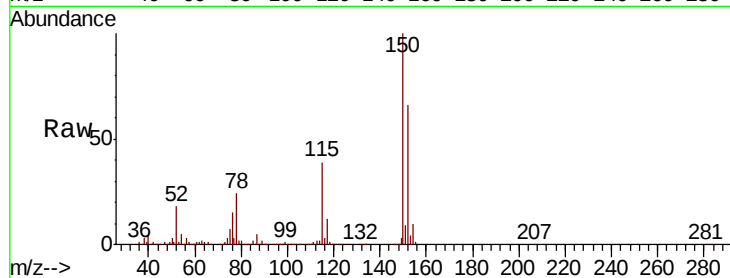
Tot Ion:152 Resp: 230935

Ion Ratio Lower Upper

152 100

115 59.0 40.9 122.8

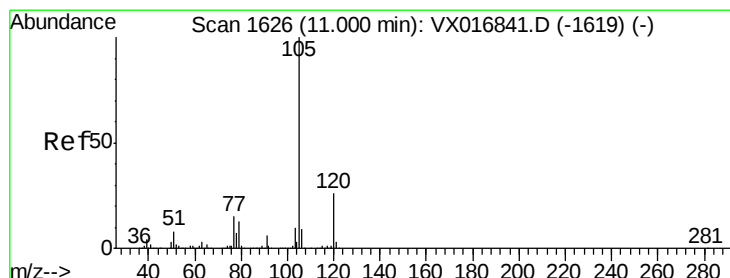
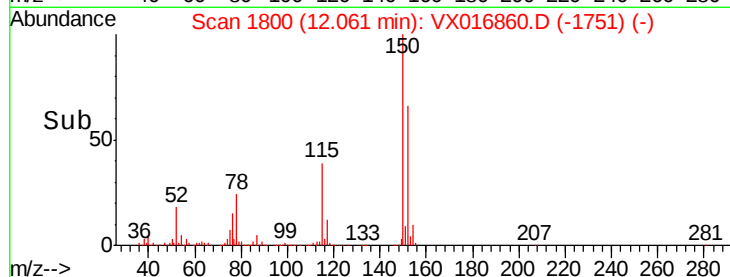
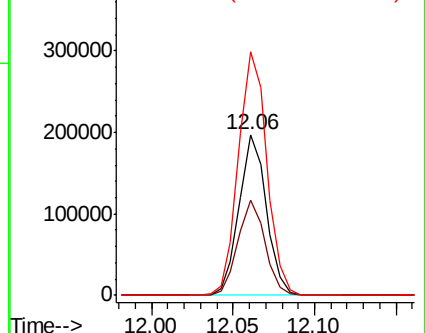
150 157.5 0.0 344.2



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



#73

Isopropylbenzene

Concen: Below Cal

RT: 11.01 min Scan# 1628

Delta R.T. 0.01 min

Lab File: VX016860.D

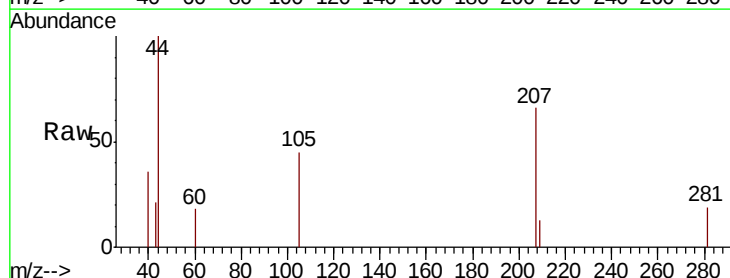
Acq: 19 Jun 2020 00:17

Tgt Ion:105 Resp: 224

Ion Ratio Lower Upper

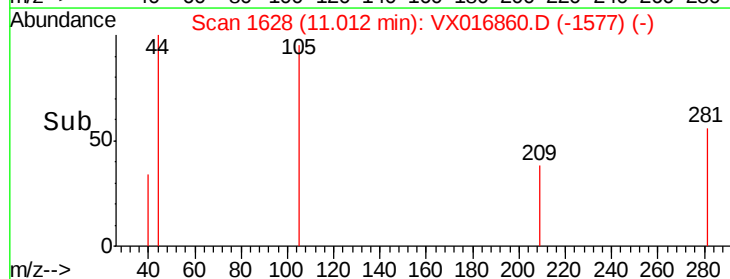
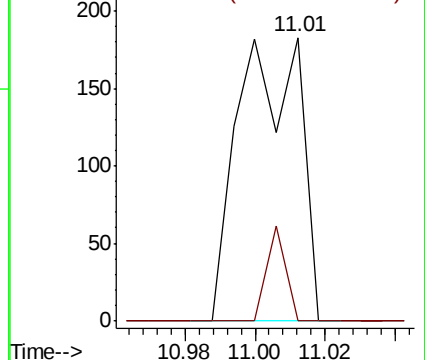
105 100

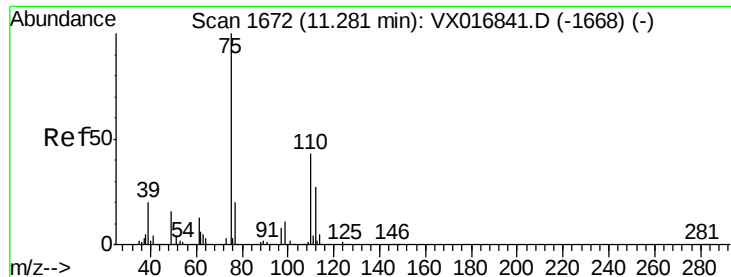
120 9.8 13.2 39.6#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 21.684 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016860.D

Acq: 19 Jun 2020 00:17

Instrument :

MSVOA_X

ClientSampleId :

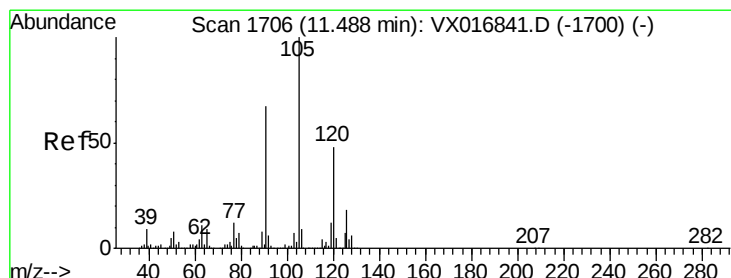
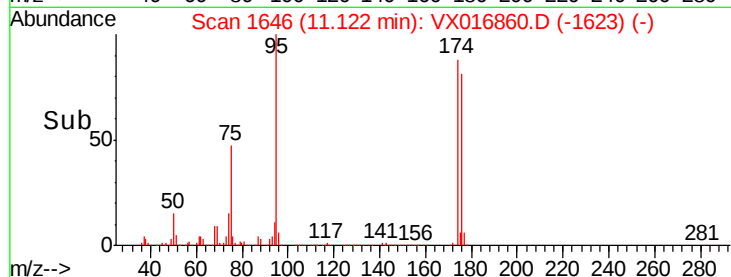
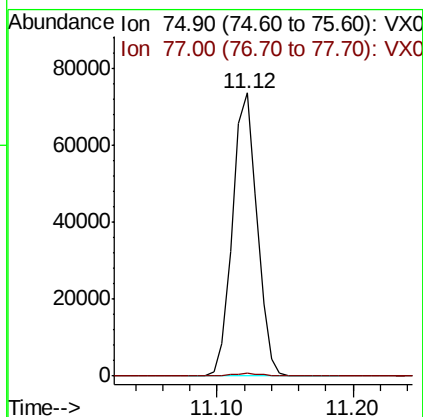
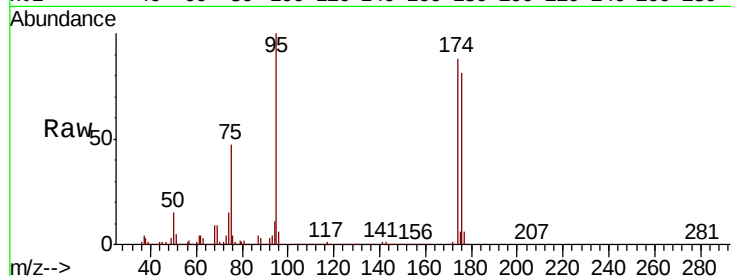
FD-01_061620

Tot Ion: 75 Resp: 92812

Ion Ratio Lower Upper

75 100

77 1.2 20.5 61.5#



#80

1,3,5-Trimethylbenzene

Concen: 0.224 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX016860.D

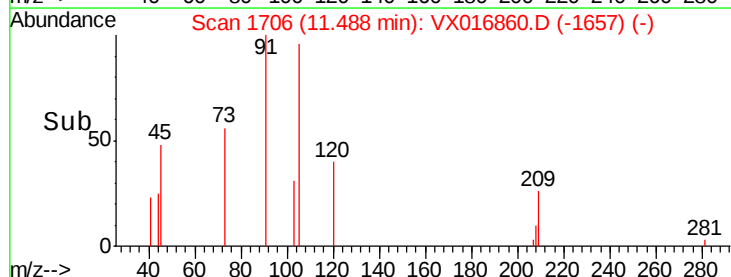
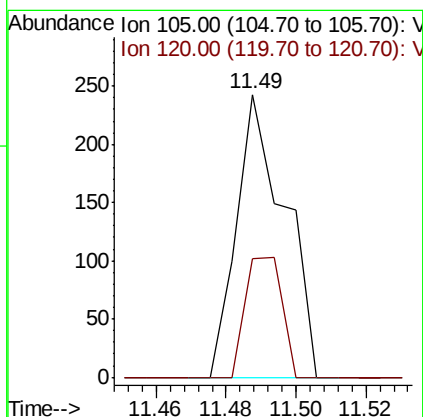
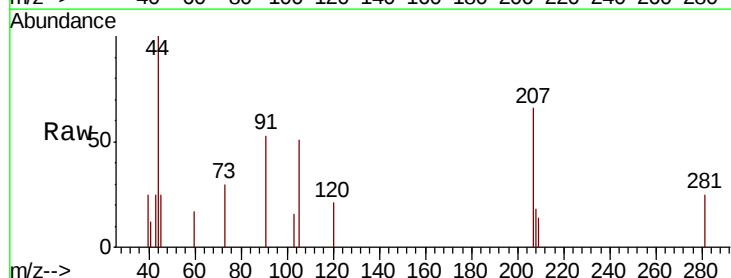
Acq: 19 Jun 2020 00:17

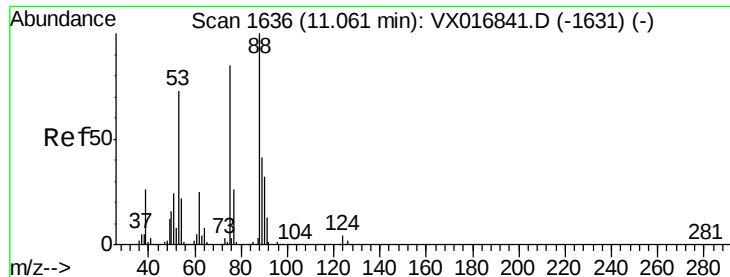
Tgt Ion: 105 Resp: 233

Ion Ratio Lower Upper

105 100

120 32.2 24.6 74.0

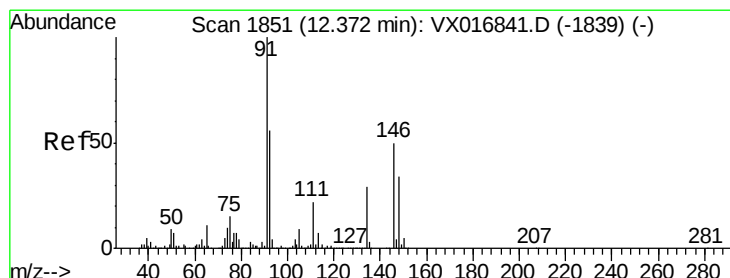
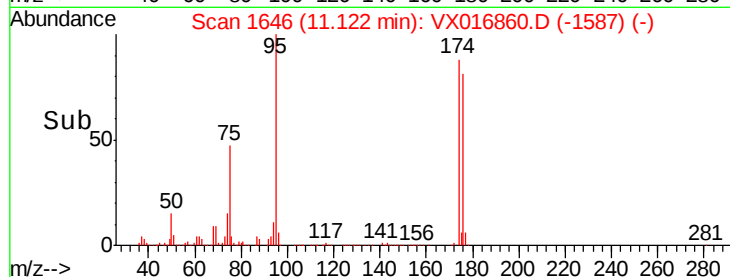
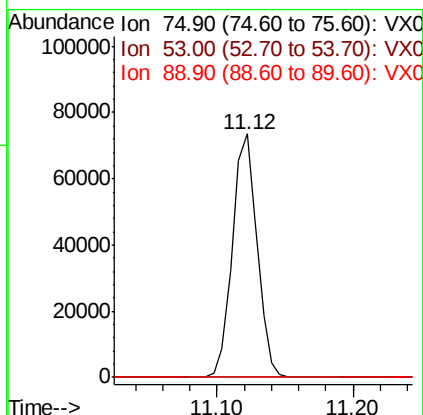
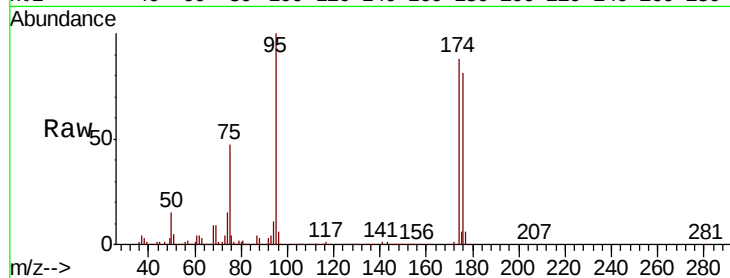




#81
trans-1,4-Dichloro-2-butene
Concen: 53.889 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.06 min
Lab File: VX016860.D
Acq: 19 Jun 2020 00:17

Instrument :
MSVOA_X
ClientSampleId :
FD-01_061620

Tot Ion: 75 Resp: 92812
Ion Ratio Lower Upper
75 100
53 0.2 69.8 104.8#
89 0.0 38.3 57.5#



#89
n-Butylbenzene
Concen: 3.069 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX016860.D
Acq: 19 Jun 2020 00:17

Tgt Ion: 91 Resp: 743
Ion Ratio Lower Upper
91 100
92 58.8 27.4 82.2
134 27.5 13.9 41.6

