

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061920\
 Data File : VX016886.D
 Acq On : 19 Jun 2020 17:45
 Operator : JC/SP
 Sample : L3020-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EB-01_061520

Quant Time: Jun 22 01:40:41 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	218801	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	348826	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	353140	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	217347	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	140565	53.42	ug/l	0.00
Spiked Amount			Recovery	=	106.84%	
35) Dibromofluoromethane	5.46	113	109618	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	
50) Toluene-d8	8.70	98	427085	47.84	ug/l	0.00
Spiked Amount			Recovery	=	95.68%	
62) 4-Bromofluorobenzene	11.12	95	186914	54.64	ug/l	0.00
Spiked Amount			Recovery	=	109.28%	

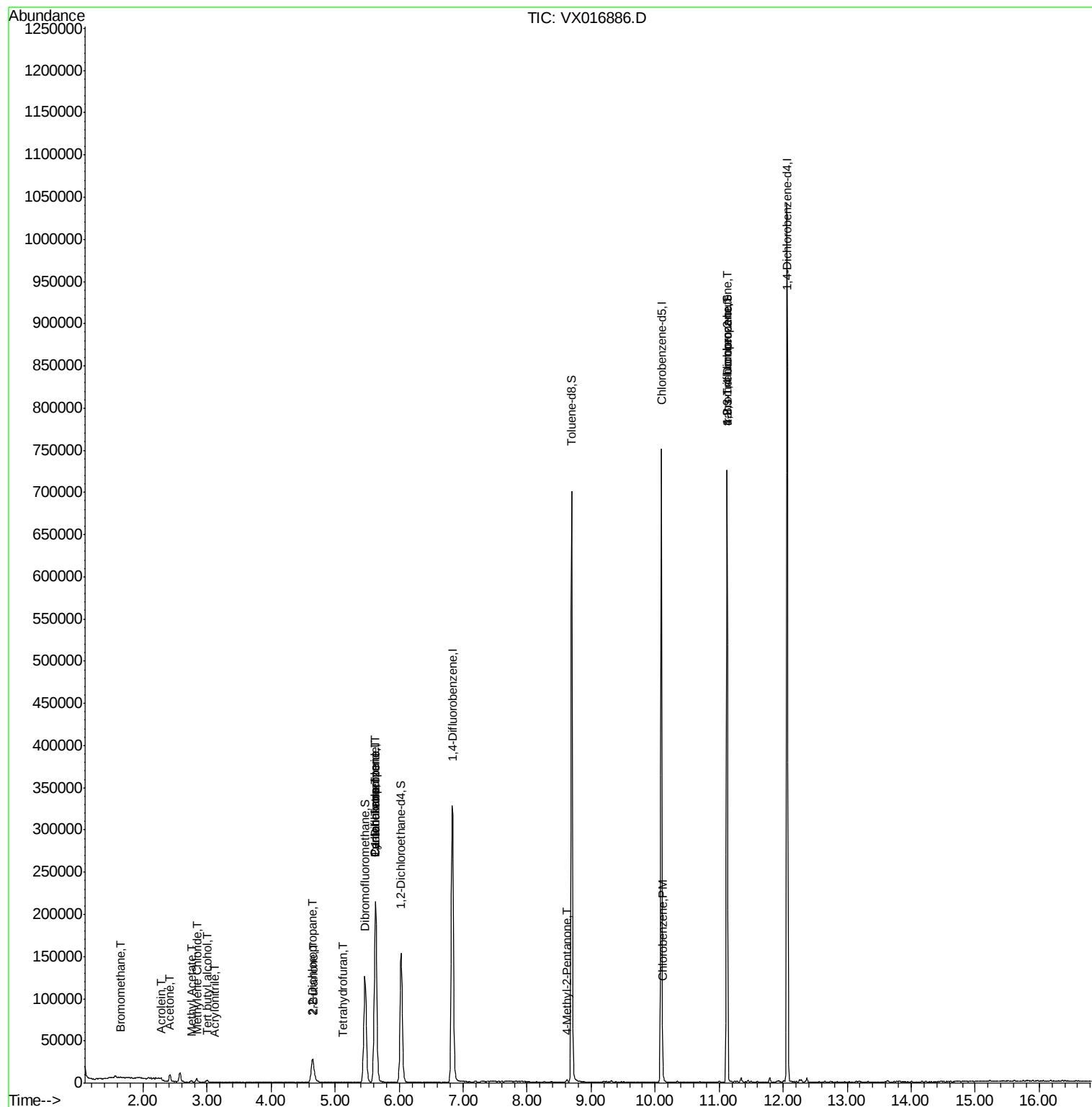
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	459	0.248	ug/l #	41
11) Tert butyl alcohol	3.00	59	2069	4.651	ug/l #	83
13) Acrolein	2.28	56	166	0.615	ug/l #	1
15) Acrylonitrile	3.12	53	306	0.300	ug/l #	83
16) Acetone	2.42	43	9720	10.175	ug/l	95
18) Methyl Acetate	2.75	43	1898	0.781	ug/l	97
20) Methylene Chloride	2.84	84	2066	0.902	ug/l	96
25) 2-Butanone	4.65	43	3013	2.292	ug/l #	88
26) 2,2-Dichloropropane	4.64	77	1271	0.367	ug/l #	52
29) Tetrahydrofuran	5.12	42	685	0.827	ug/l #	34
31) Cyclohexane	5.64	56	3770	1.159	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	15059	4.676	ug/l #	46
38) Carbon Tetrachloride	5.63	117	20532	5.681	ug/l #	15
51) 4-Methyl-2-Pentanone	8.62	43	1699	0.568	ug/l	91
65) Chlorobenzene	10.12	112	1539	0.215	ug/l #	85
76) 1,2,3-Trichloropropane	11.12	75	89580	22.567	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	89580	55.264	ug/l #	14

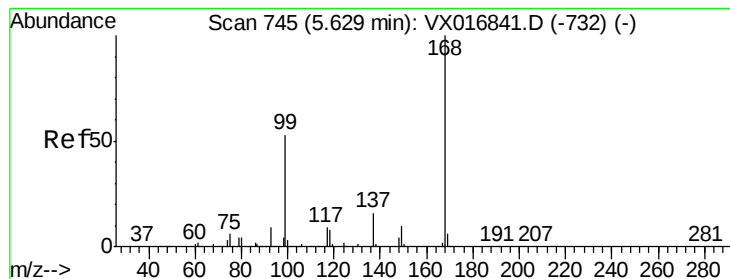
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX016886.D

Acq: 19 Jun 2020 17:45

Instrument :

MSVOA_X

ClientSampleId :

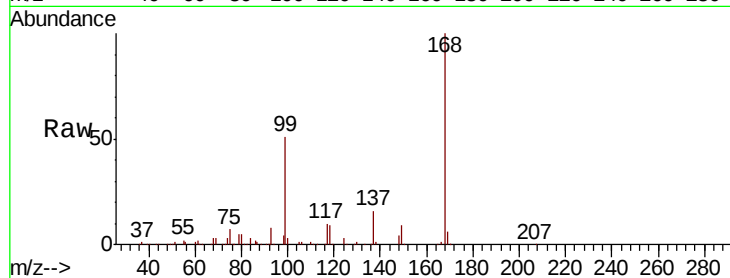
EB-01_061520

Tot Ion:168 Resp: 218801

Ion Ratio Lower Upper

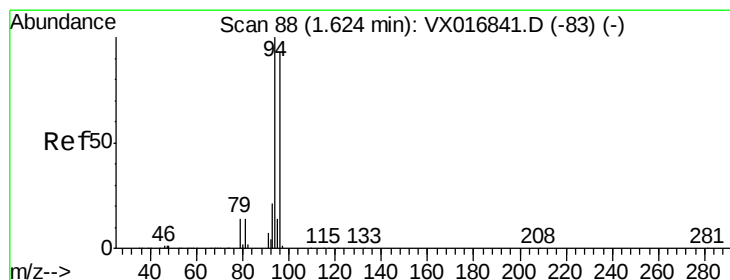
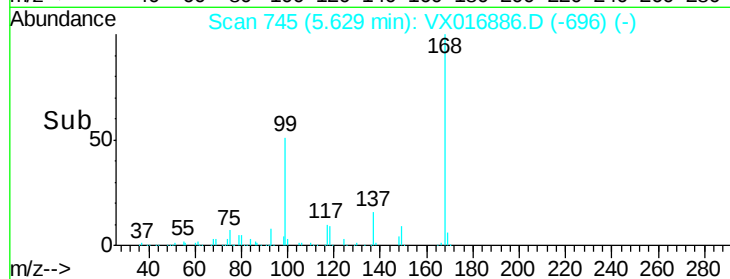
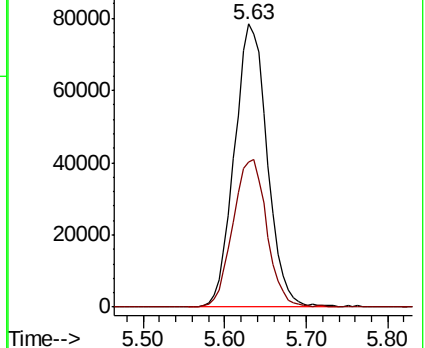
168 100

99 51.2 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.248 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX016886.D

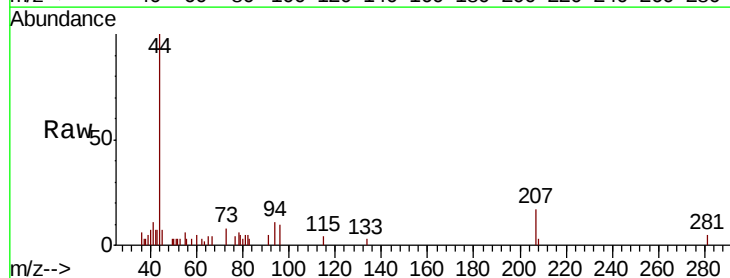
Acq: 19 Jun 2020 17:45

Tgt Ion: 94 Resp: 459

Ion Ratio Lower Upper

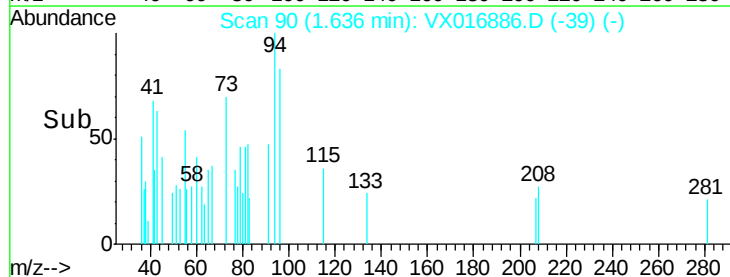
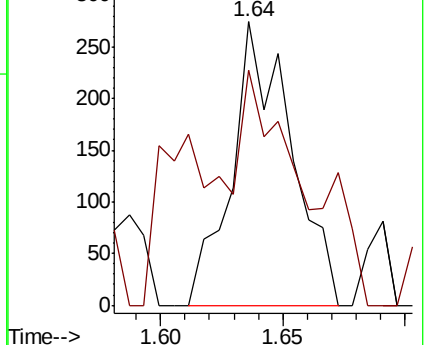
94 100

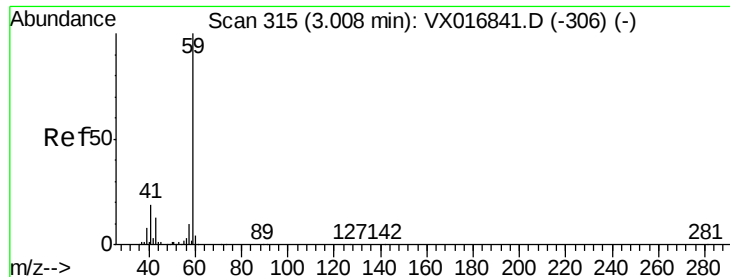
96 36.5 74.4 111.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



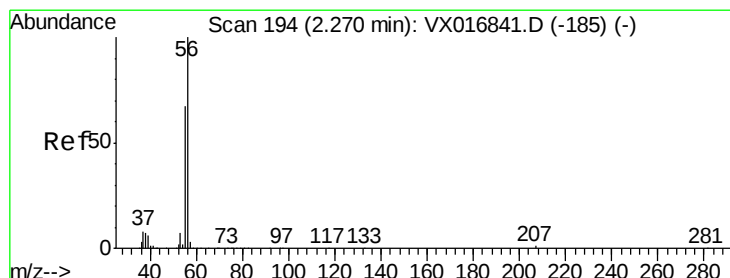
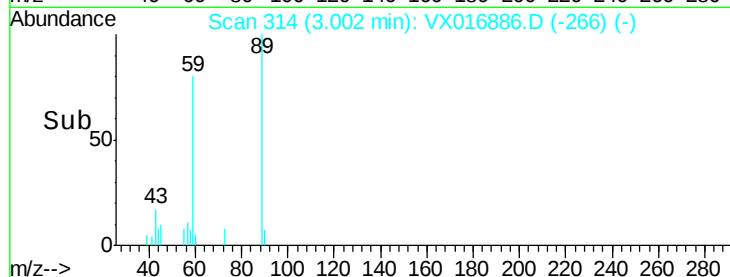
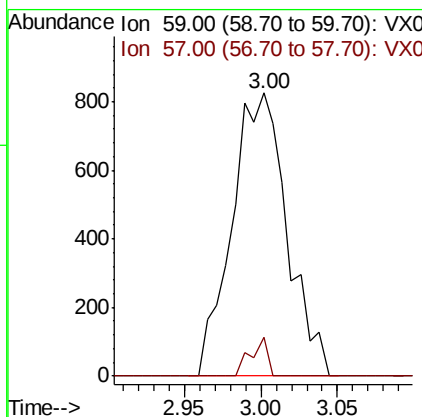
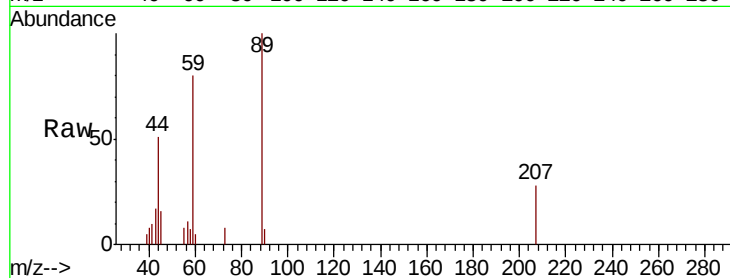


#11

Tert butyl alcohol
 Concen: 4.651 ug/l
 RT: 3.00 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX016886.D
 Acq: 19 Jun 2020 17:45

Instrument :
 MSVOA_X
 ClientSampleId :
 EB-01_061520

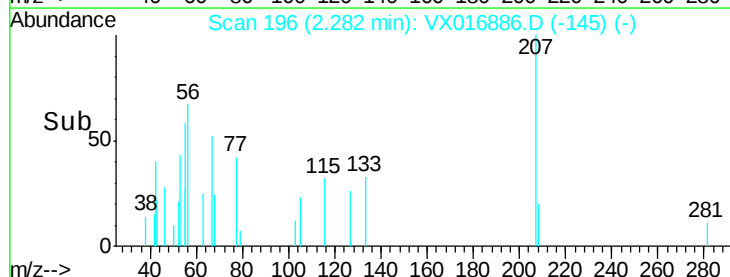
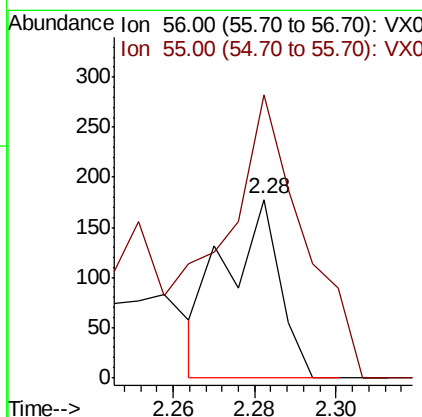
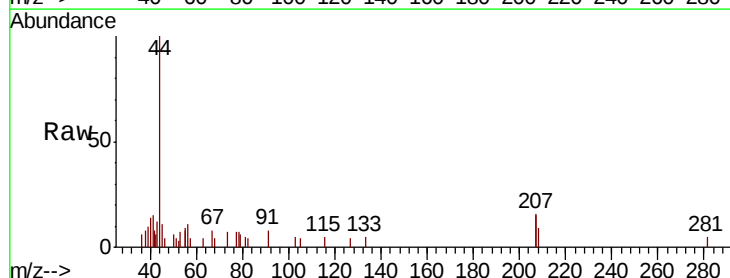
Tot Ion: 59 Resp: 2069
 Ion Ratio Lower Upper
 59 100
 57 4.2 8.4 12.6#

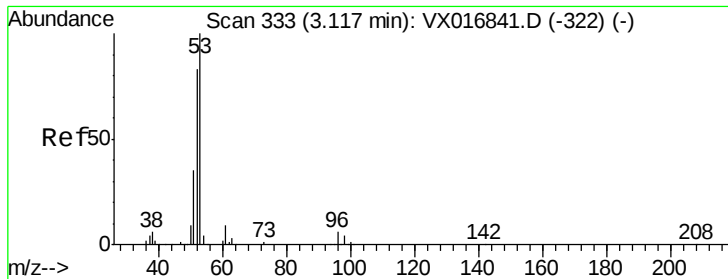


#13

Acrolein
 Concen: 0.615 ug/l
 RT: 2.28 min Scan# 196
 Delta R.T. 0.01 min
 Lab File: VX016886.D
 Acq: 19 Jun 2020 17:45

Tgt Ion: 56 Resp: 166
 Ion Ratio Lower Upper
 56 100
 55 210.2 55.7 83.5#





#15

Acrylonitrile

Concen: 0.300 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX016886.D

Acq: 19 Jun 2020 17:45

Instrument :

MSVOA_X

ClientSampleId :

EB-01_061520

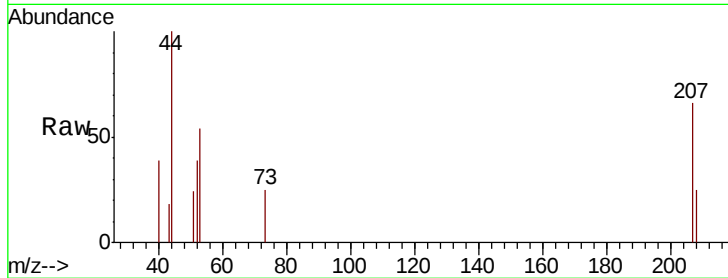
Tot Ion: 53 Resp: 306

Ion Ratio Lower Upper

53 100

52 99.7 66.2 99.2#

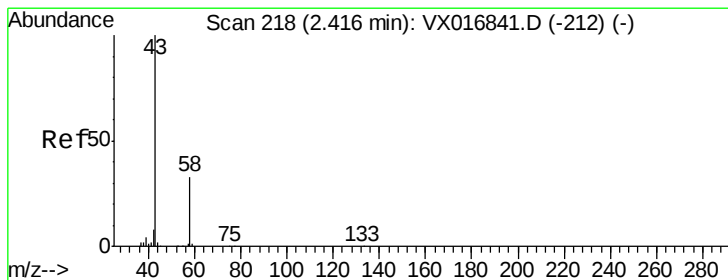
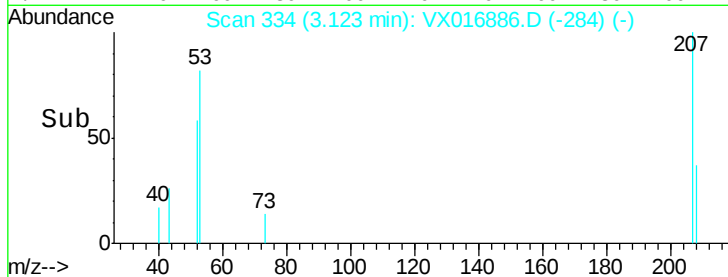
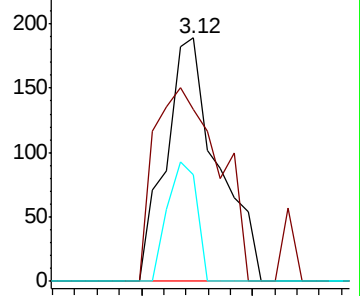
51 27.8 28.7 43.1#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 10.175 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX016886.D

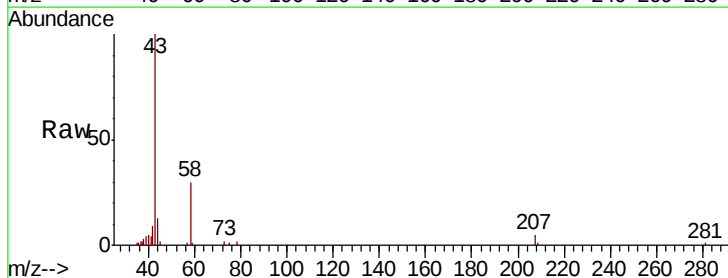
Acq: 19 Jun 2020 17:45

Tgt Ion: 43 Resp: 9720

Ion Ratio Lower Upper

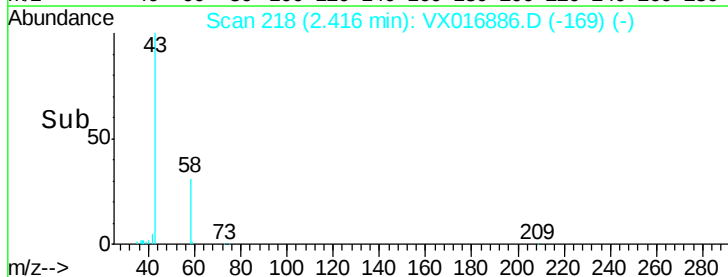
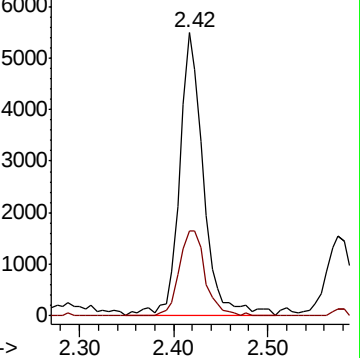
43 100

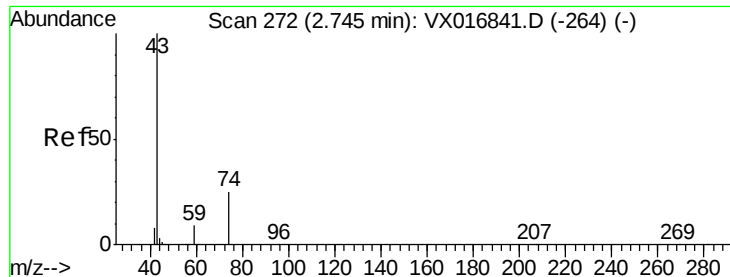
58 30.1 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

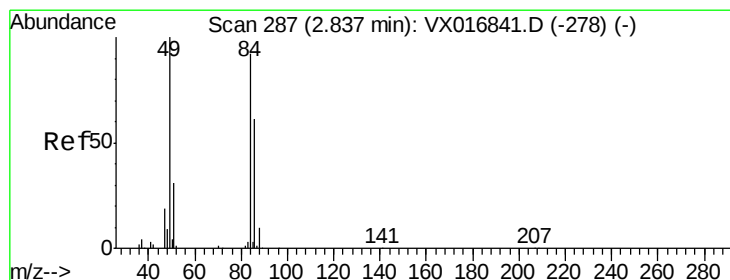
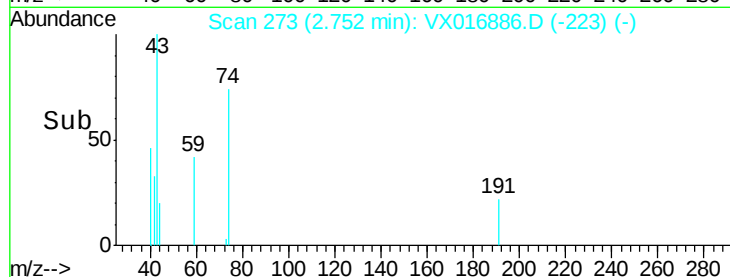
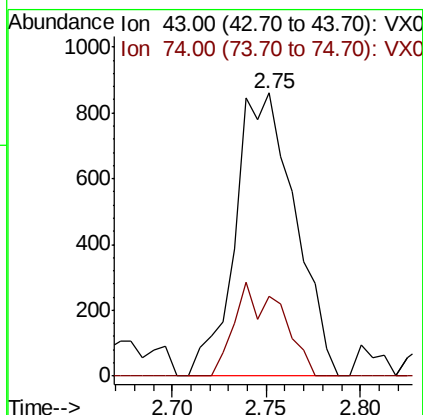
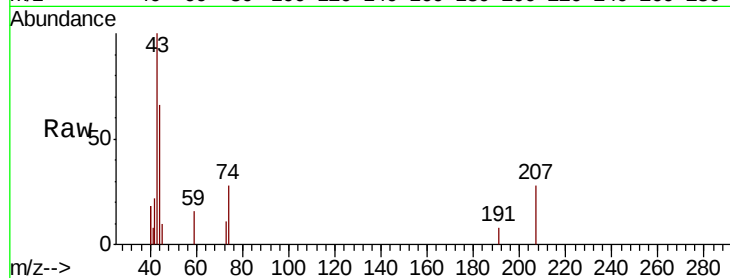




#18
Methyl Acetate
Concen: 0.781 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX016886.D
Acq: 19 Jun 2020 17:45

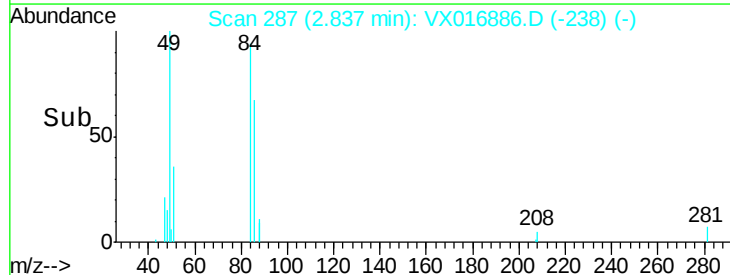
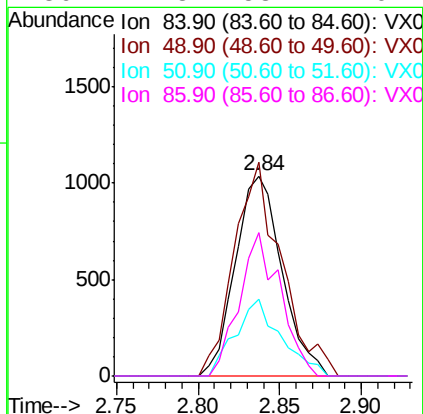
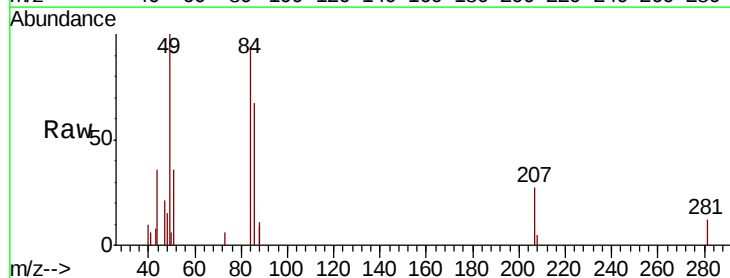
Instrument :
MSVOA_X
ClientSampleId :
EB-01_061520

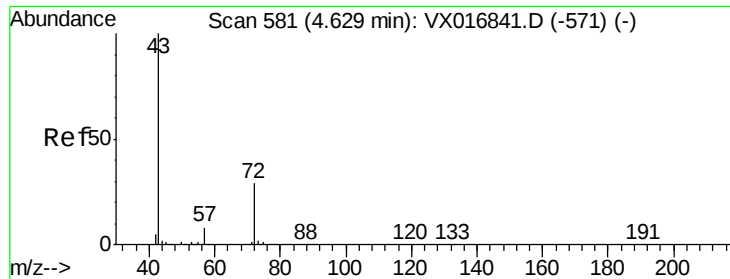
Tot Ion: 43 Resp: 1898
Ion Ratio Lower Upper
43 100
74 25.9 21.8 32.8



#20
Methylene Chloride
Concen: 0.902 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX016886.D
Acq: 19 Jun 2020 17:45

Tgt Ion: 84 Resp: 2066
Ion Ratio Lower Upper
84 100
49 106.8 86.6 129.8
51 38.7 27.1 40.7
86 71.8 53.1 79.7





#25

2-Butanone

Concen: 2.292 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.02 min

Lab File: VX016886.D

Acq: 19 Jun 2020 17:45

Instrument :

MSVOA_X

ClientSampleId :

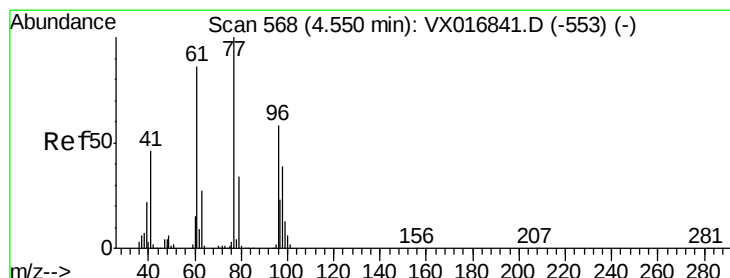
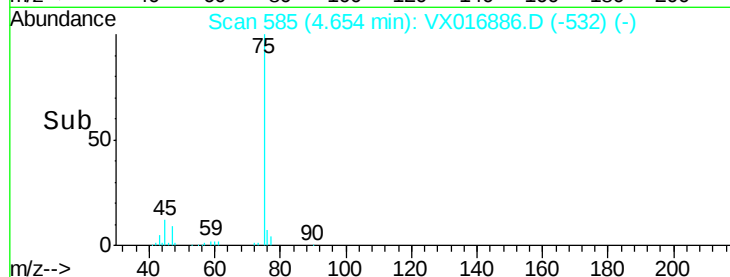
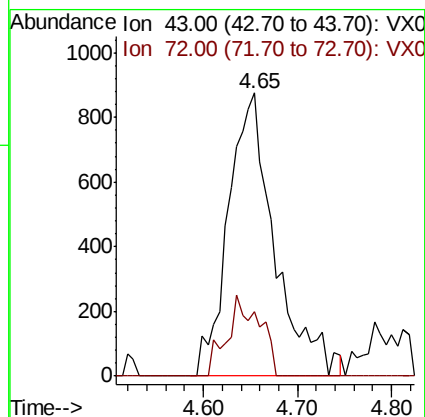
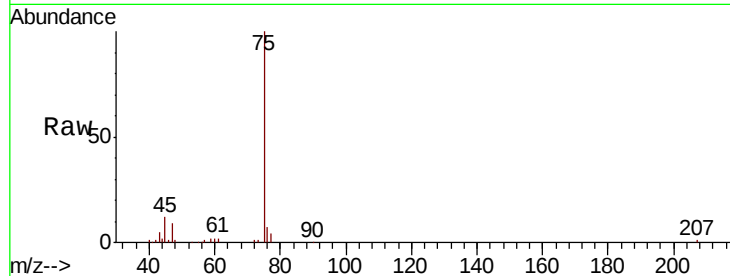
EB-01_061520

Tot Ion: 43 Resp: 3013

Ion Ratio Lower Upper

43 100

72 22.7 23.5 35.3#



#26

2,2-Dichloropropane

Concen: 0.367 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.09 min

Lab File: VX016886.D

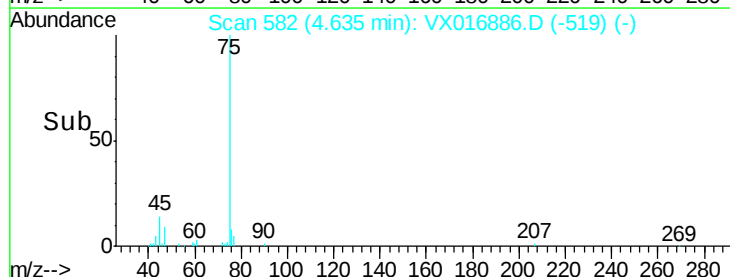
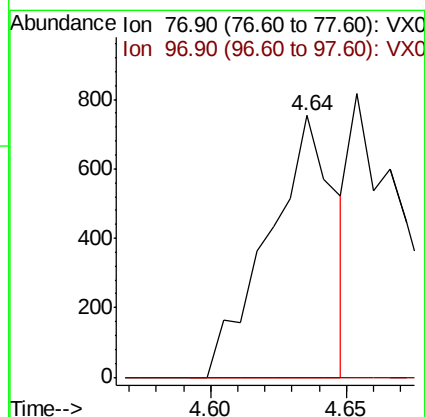
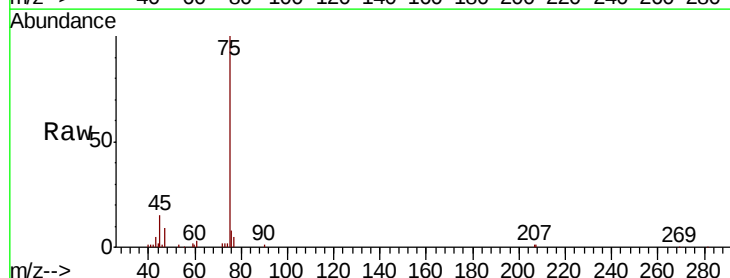
Acq: 19 Jun 2020 17:45

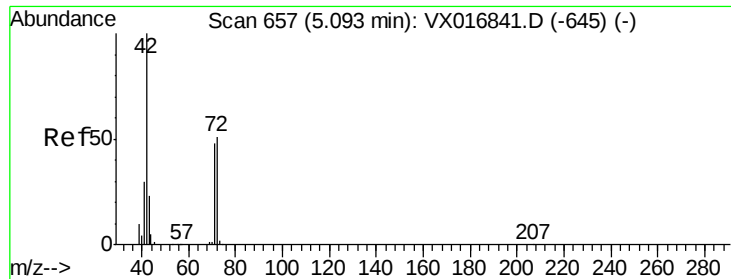
Tgt Ion: 77 Resp: 1271

Ion Ratio Lower Upper

77 100

97 0.0 11.6 34.7#

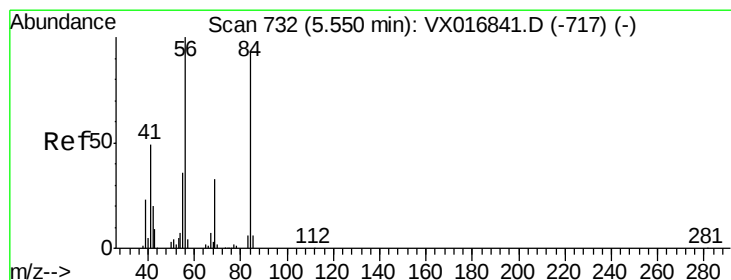
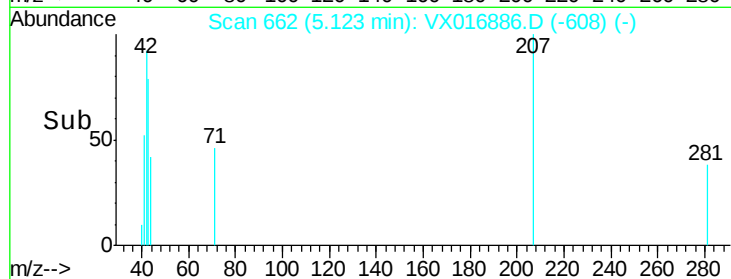
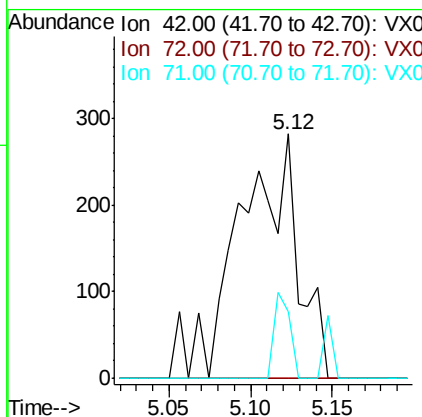
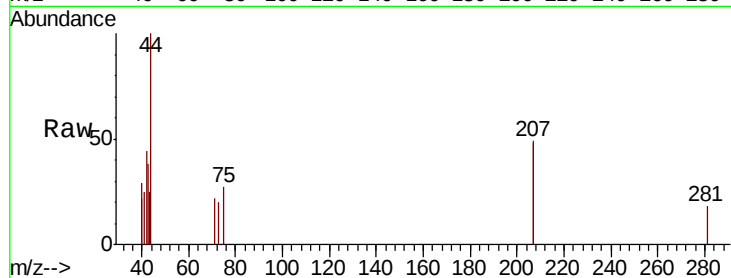




#29
Tetrahydrofuran
Concen: 0.827 ug/l
RT: 5.12 min Scan# 662
Delta R.T. 0.03 min
Lab File: VX016886.D
Acq: 19 Jun 2020 17:45

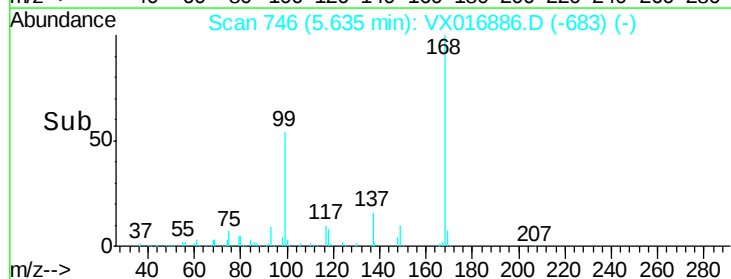
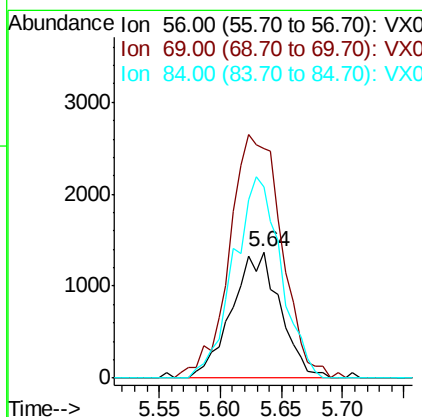
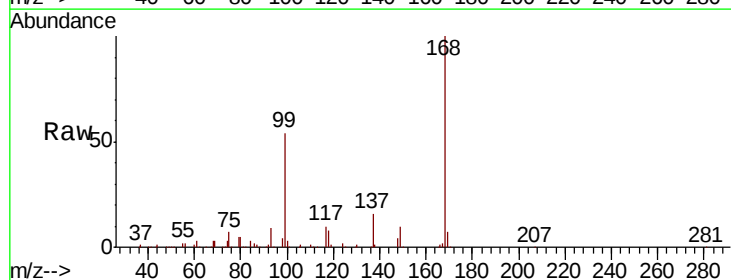
Instrument :
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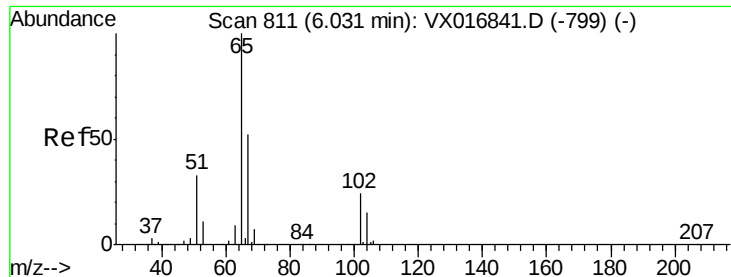
Tot Ion: 42 Resp: 685
Ion Ratio Lower Upper
42 100
72 0.0 41.1 61.7#
71 9.3 38.4 57.6#



#31
Cyclohexane
Concen: 1.159 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX016886.D
Acq: 19 Jun 2020 17:45

Tgt Ion: 56 Resp: 3770
Ion Ratio Lower Upper
56 100
69 177.6 26.1 39.1#
84 151.4 73.0 109.6#





#33

1,2-Dichloroethane-d4

Concen: 53.417 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX016886.D

Acq: 19 Jun 2020 17:45

Instrument :

MSVOA_X

ClientSampleId :

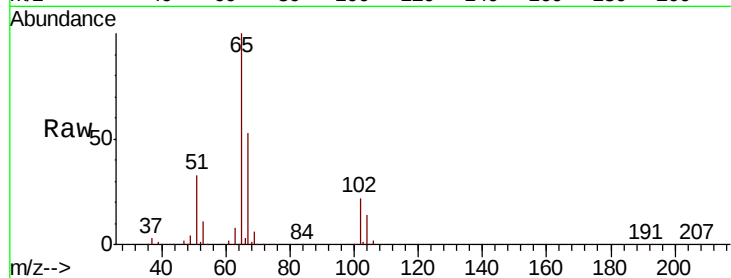
EB-01_061520

Tot Ion: 65 Resp: 140565

Ion Ratio Lower Upper

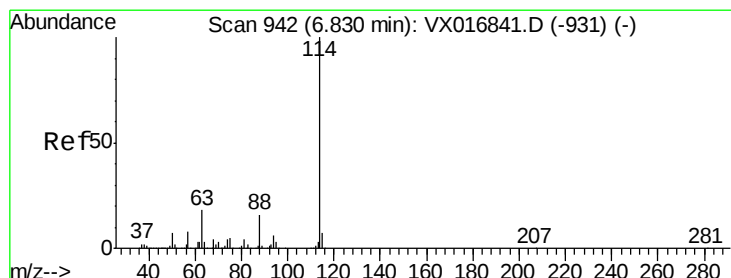
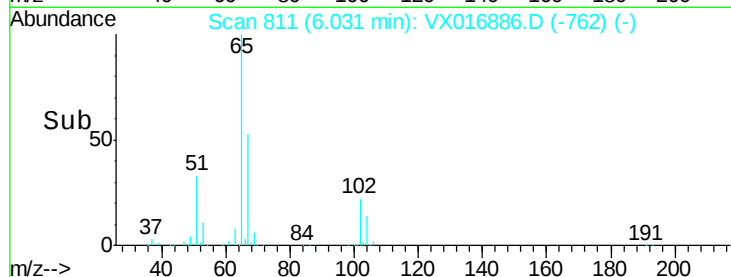
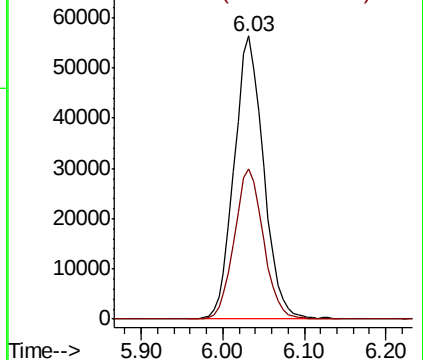
65 100

67 52.4 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX016886.D

Acq: 19 Jun 2020 17:45

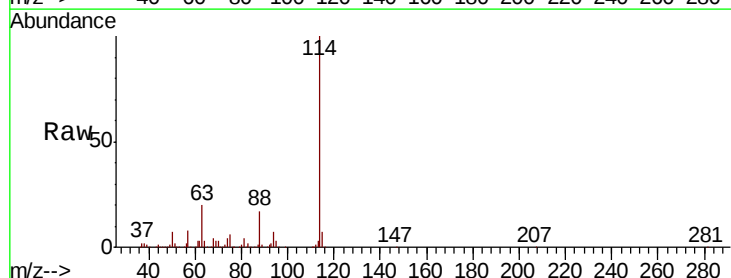
Tgt Ion: 114 Resp: 348826

Ion Ratio Lower Upper

114 100

63 20.0 0.0 37.0

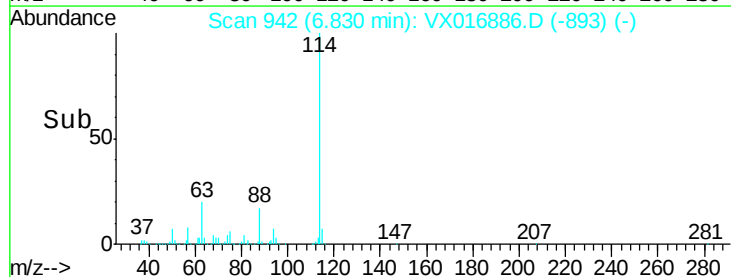
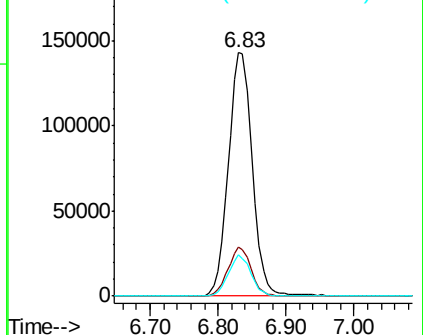
88 16.8 0.0 32.0

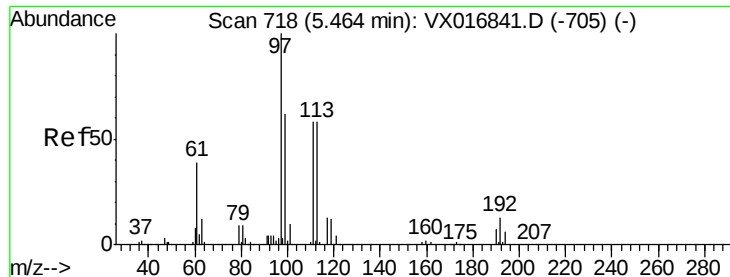


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.124 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX016886.D

Acq: 19 Jun 2020 17:45

Instrument :

MSVOA_X

ClientSampleId :

EB-01_061520

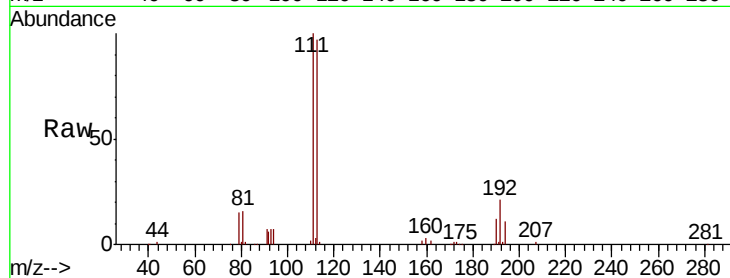
Tot Ion:113 Resp: 109618

Ion Ratio Lower Upper

113 100

111 103.0 81.0 121.4

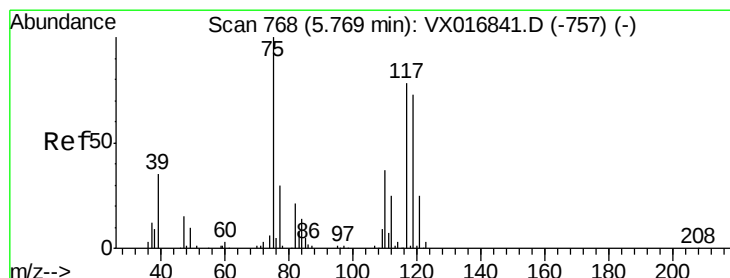
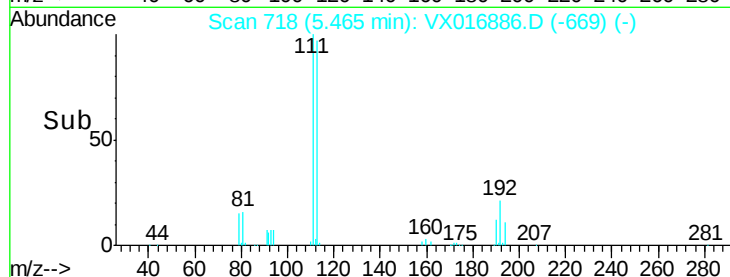
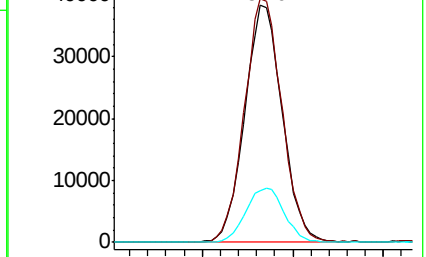
192 23.6 18.5 27.7



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: 4.676 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016886.D

Acq: 19 Jun 2020 17:45

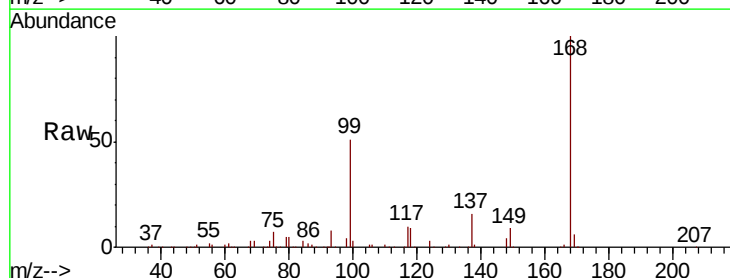
Tgt Ion: 75 Resp: 15059

Ion Ratio Lower Upper

75 100

110 6.4 18.9 56.9#

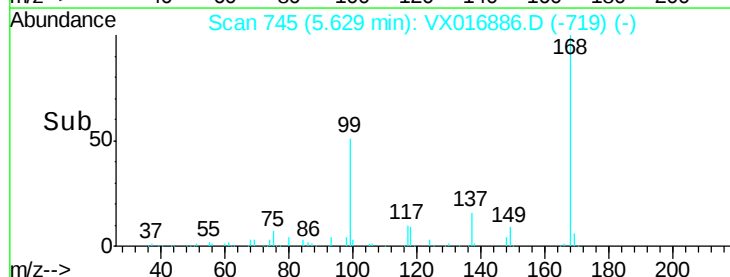
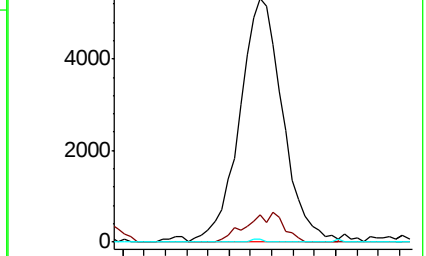
77 0.3 25.6 38.4#

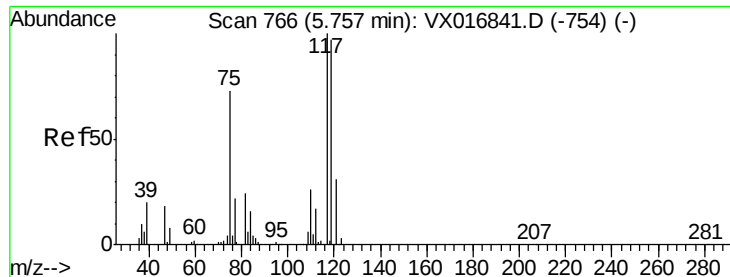


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

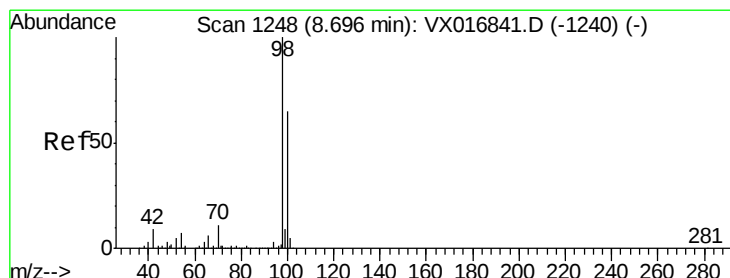
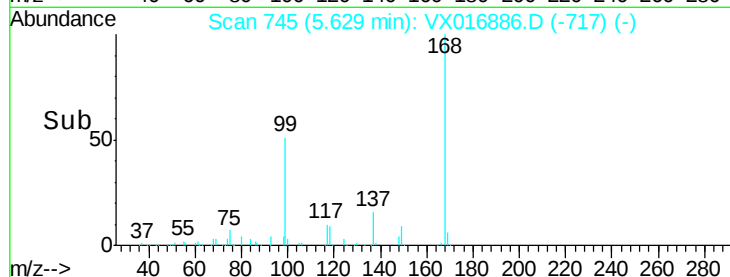
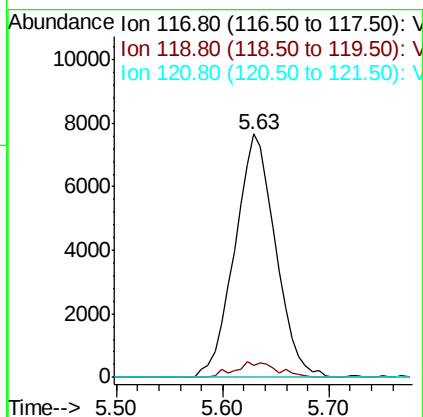
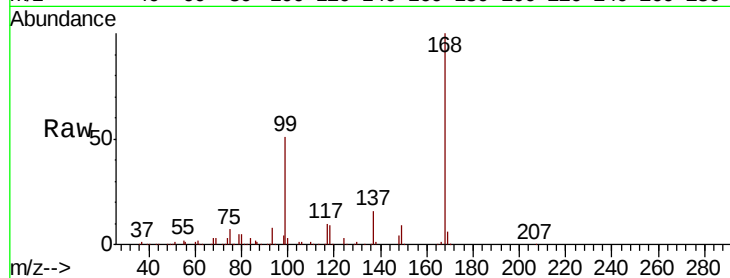




#38
Carbon Tetrachloride
Concen: 5.681 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.13 min
Lab File: VX016886.D
Acq: 19 Jun 2020 17:45

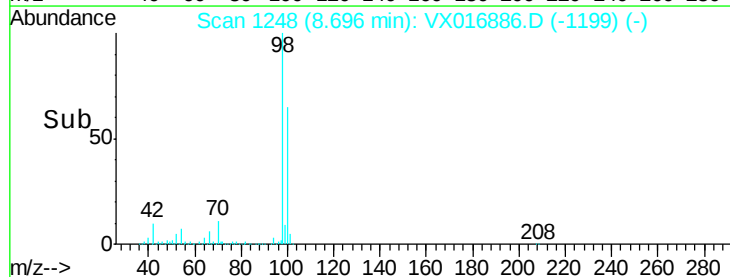
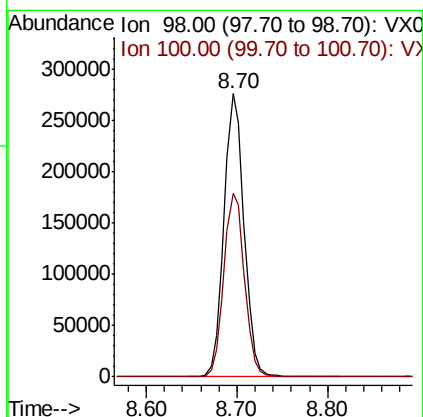
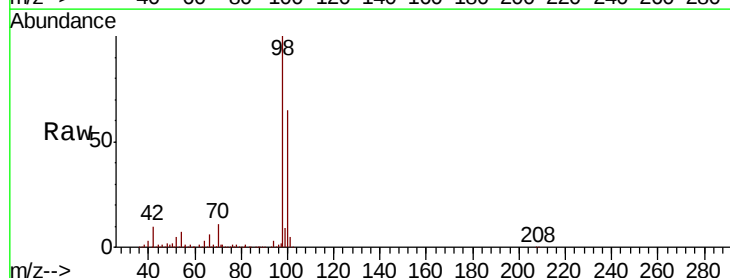
Instrument :
MSVOA_X
ClientSampleId :
EB-01_061520

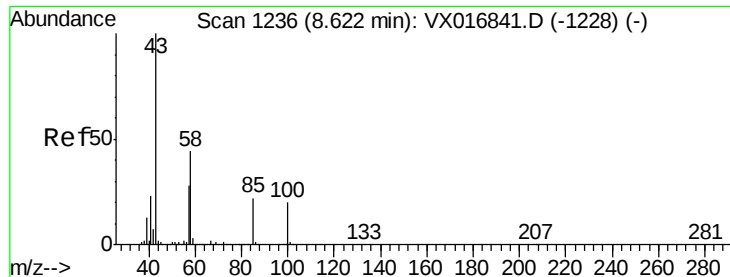
Tot Ion:117 Resp: 20532
Ion Ratio Lower Upper
117 100
119 4.7 77.4 116.2#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 47.838 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX016886.D
Acq: 19 Jun 2020 17:45

Tgt Ion: 98 Resp: 427085
Ion Ratio Lower Upper
98 100
100 66.6 54.0 81.0





#51

4-Methyl-2-Pentanone

Concen: 0.568 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX016886.D

Acq: 19 Jun 2020 17:45

Instrument :

MSVOA_X

ClientSampleId :

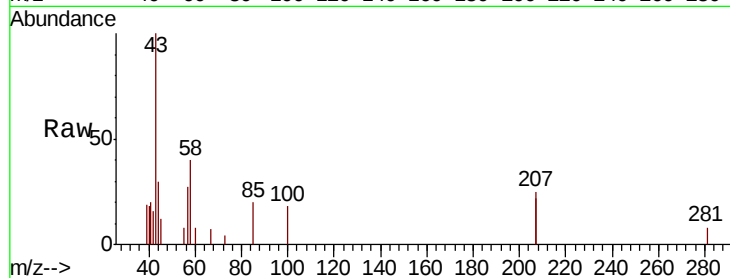
EB-01_061520

Tot Ion: 43 Resp: 1699

Ion Ratio Lower Upper

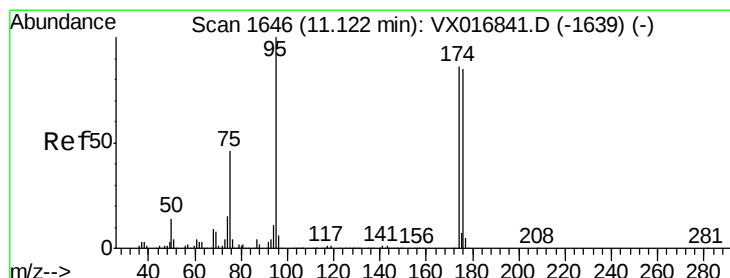
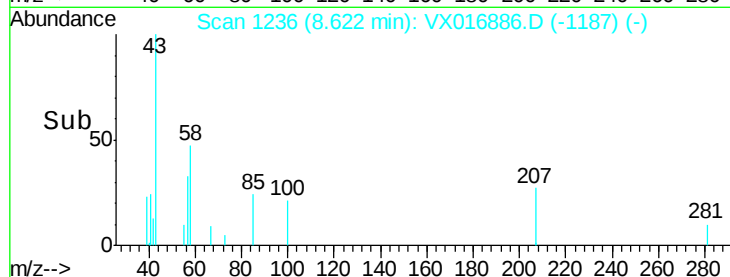
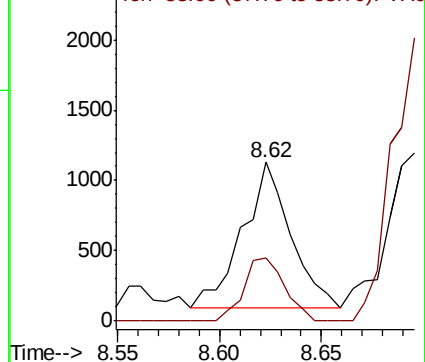
43 100

58 37.0 34.3 51.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 54.644 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX016886.D

Acq: 19 Jun 2020 17:45

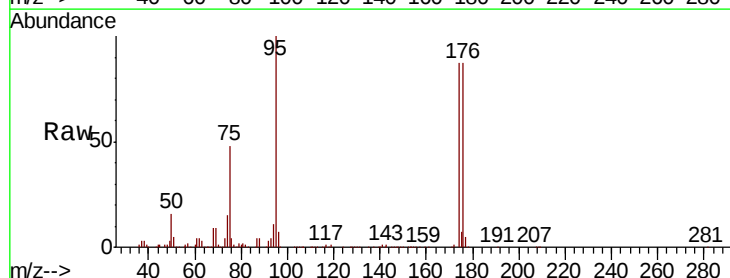
Tgt Ion: 95 Resp: 186914

Ion Ratio Lower Upper

95 100

174 86.3 0.0 174.2

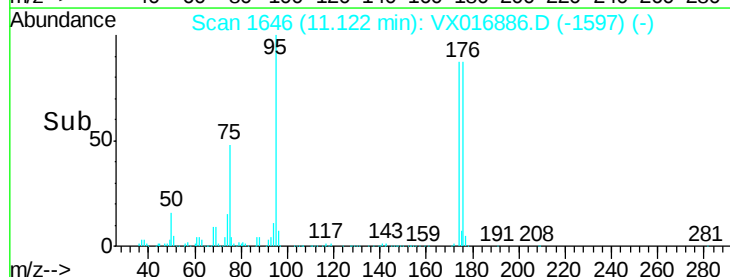
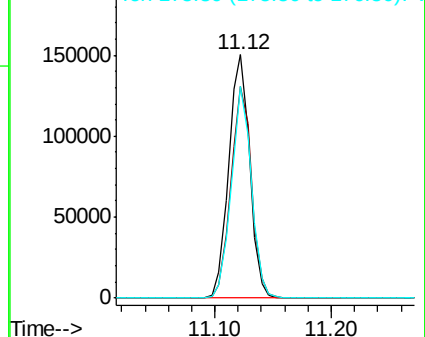
176 83.8 0.0 170.0

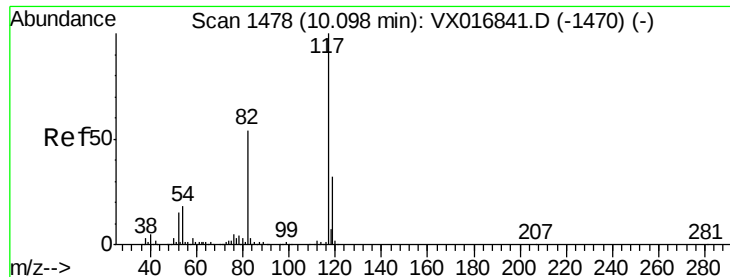


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

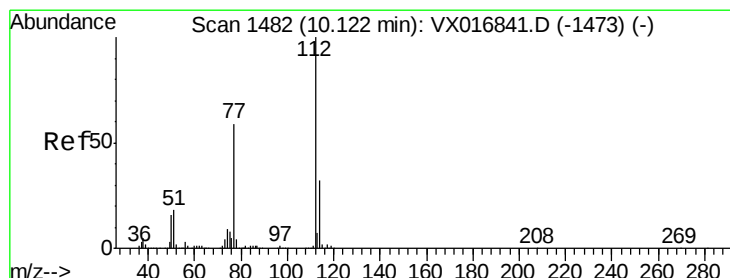
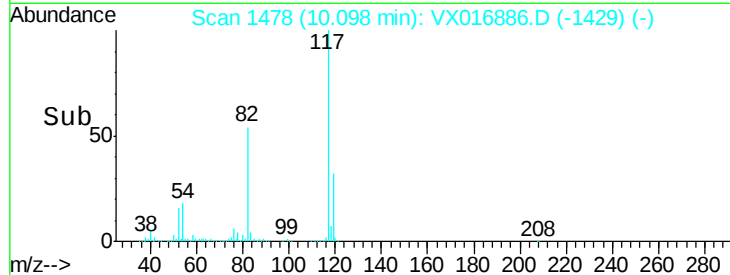
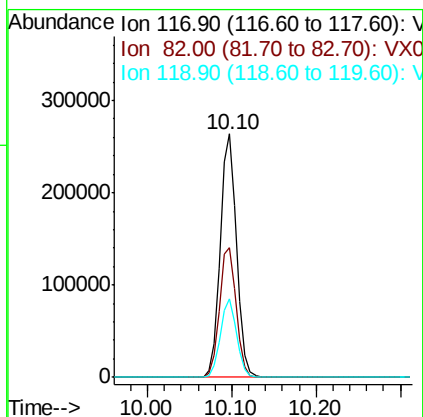
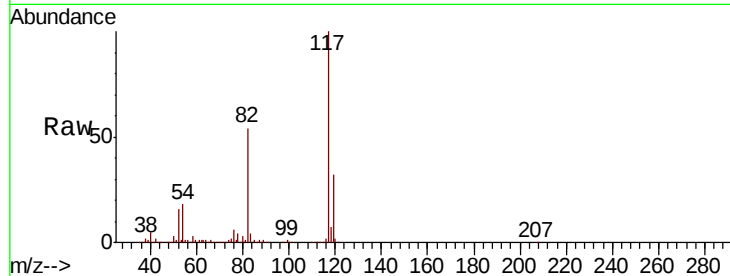




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX016886.D
Acq: 19 Jun 2020 17:45

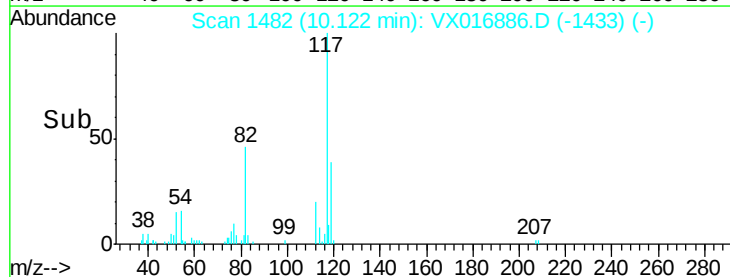
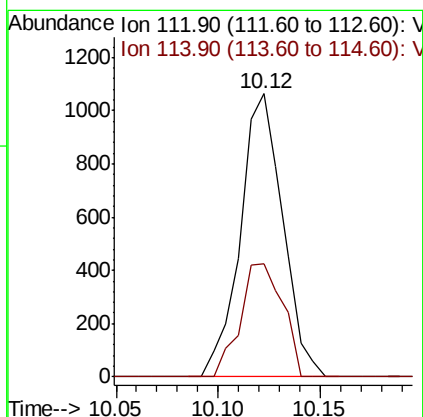
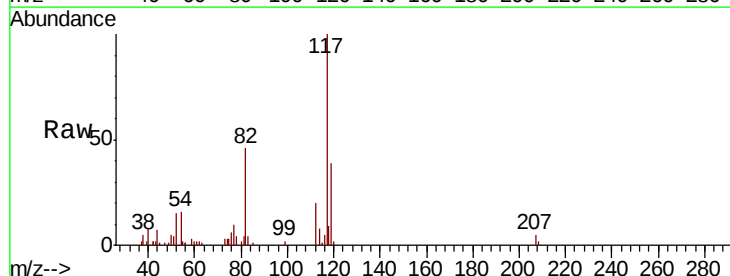
Instrument :
MSVOA_X
ClientSampleId :
EB-01_061520

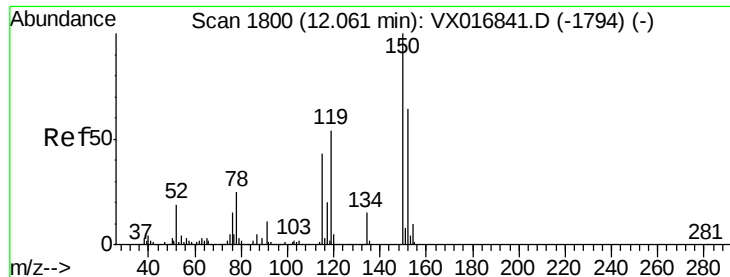
Tot Ion:117 Resp: 353140
Ion Ratio Lower Upper
117 100
82 53.5 43.4 65.0
119 32.2 25.7 38.5



#65
Chlorobenzene
Concen: 0.215 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX016886.D
Acq: 19 Jun 2020 17:45

Tgt Ion:112 Resp: 1539
Ion Ratio Lower Upper
112 100
114 40.1 25.5 38.3#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX016886.D

Acq: 19 Jun 2020 17:45

Instrument :

MSVOA_X

ClientSampleId :

EB-01_061520

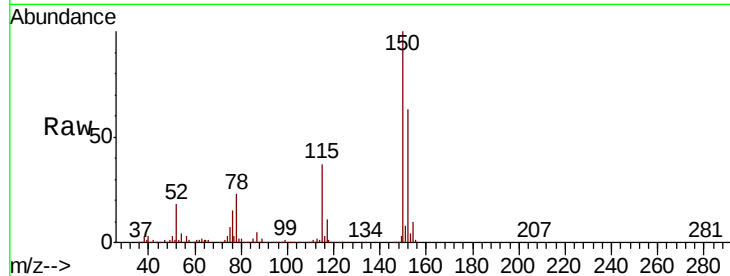
Tot Ion:152 Resp: 217347

Ion Ratio Lower Upper

152 100

115 58.1 40.9 122.8

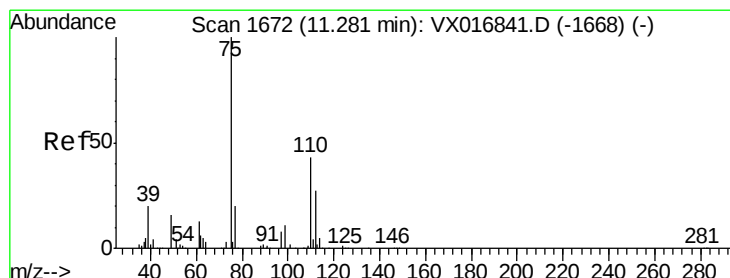
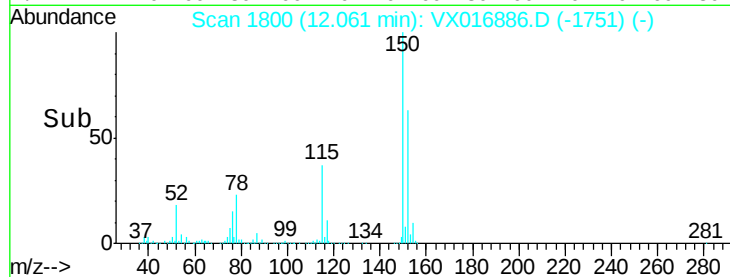
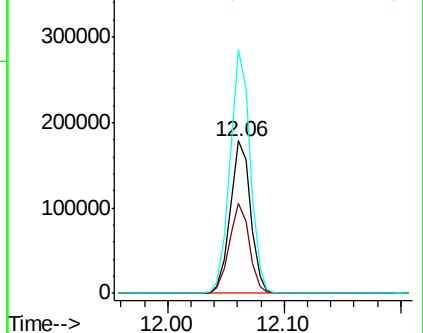
150 157.8 0.0 344.2



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: 22.567 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016886.D

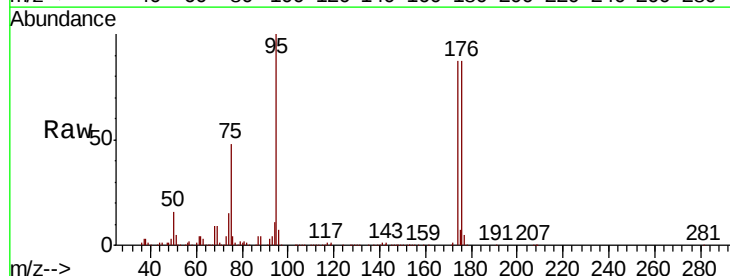
Acq: 19 Jun 2020 17:45

Tgt Ion: 75 Resp: 89580

Ion Ratio Lower Upper

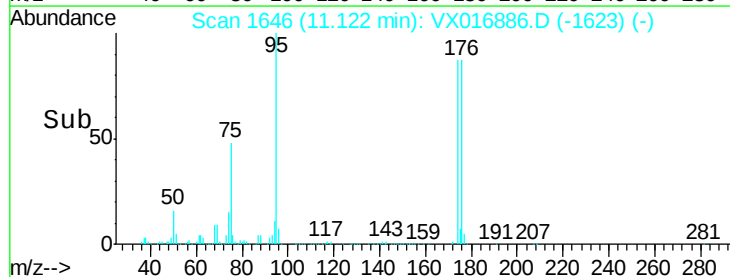
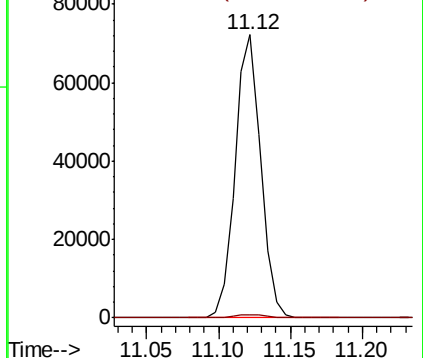
75 100

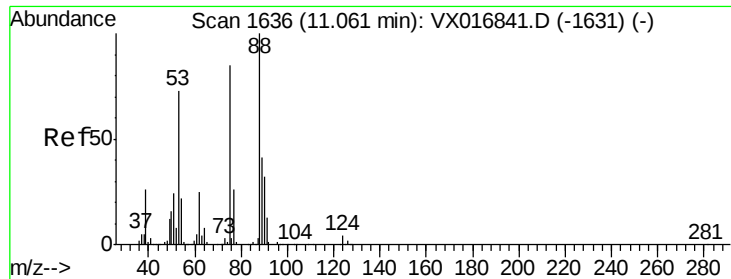
77 1.4 20.5 61.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.264 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX016886.D
 Acq: 19 Jun 2020 17:45

Instrument :
 MSVOA_X
 ClientSampleId :
 EB-01_061520

Tot Ion: 75 Resp: 89580
 Ion Ratio Lower Upper
 75 100
 53 0.1 69.8 104.8#
 89 0.0 38.3 57.5#

