

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101520\
 Data File : VX018944.D
 Acq On : 15 Oct 2020 19:52
 Operator : JC/SP
 Sample : L4353-02 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EFF-WW

Quant Time: Oct 16 02:54:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X101520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 15 15:32:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	47275	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	278530	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	245503	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	95367	31.62	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.40%
60) 4-Bromofluorobenzene	11.12	95	111502	29.17	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.23%
63) Toluene-d8	8.70	98	325153	30.32	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.07%

Target Compounds

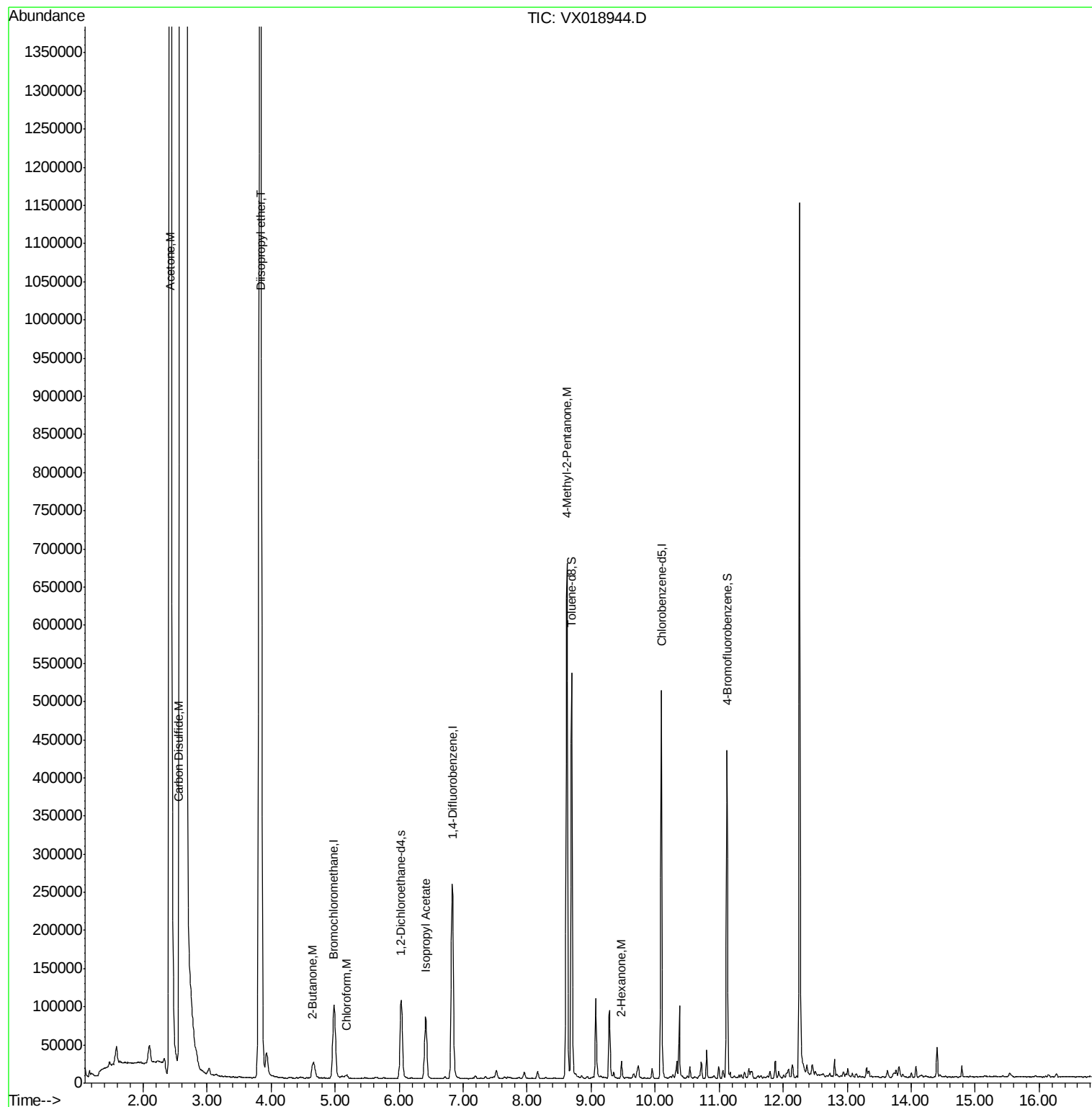
					Ovalue
15) Acetone	2.42	58	2975240	6845.929	ug/l 90
16) Carbon Disulfide	2.55	76	3122	0.450	ug/l 98
20) Diisopropyl ether	3.83	45	1991052	292.167	ug/l # 72
25) Chloroform	5.18	83	5160	1.044	ug/l 95
30) 2-Butanone	4.64	43	13272	6.595	ug/l # 97
44) Isopropyl Acetate	6.42	43	109469	16.368	ug/l # 100
58) 4-Methyl-2-Pentanone	8.62	43	380914	97.231	ug/l 100
59) 2-Hexanone	9.48	43	11535	3.845	ug/l # 96

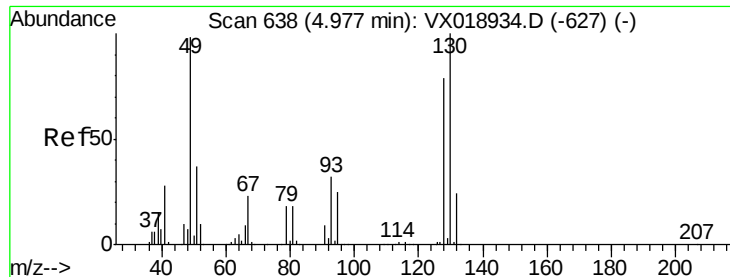
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX101520\
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Instrument :
MSVOA_X
ClientSampleId :
EFF-WW

Quant Time: Oct 16 02:54:35 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X101520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 15 15:32:58 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 639

Delta R.T. 0.01 min

Lab File: VX018944.D

Acq: 15 Oct 2020 19:52

Instrument :

MSVOA_X

ClientSampleId :

EFF-WW

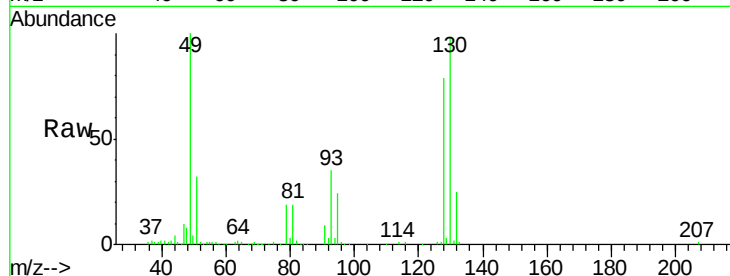
Tot Ion:128 Resp: 47275

Ion Ratio Lower Upper

128 100

49 128.7 0.0 330.5

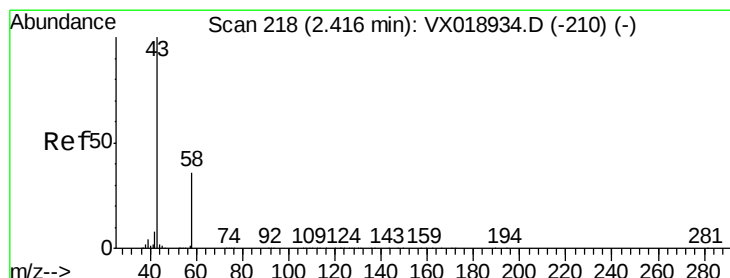
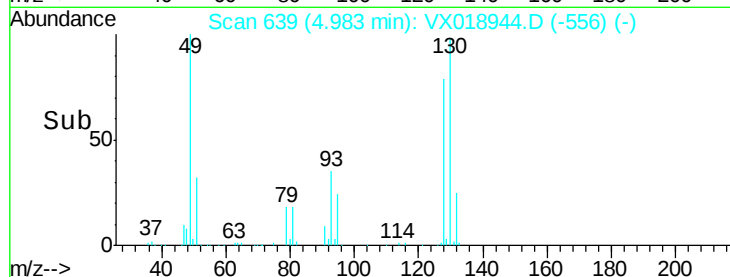
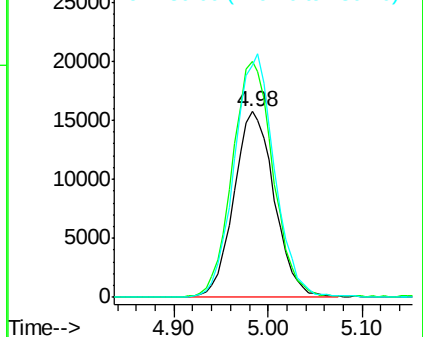
130 129.8 0.0 323.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#15

Acetone

Concen: 6845.929 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX018944.D

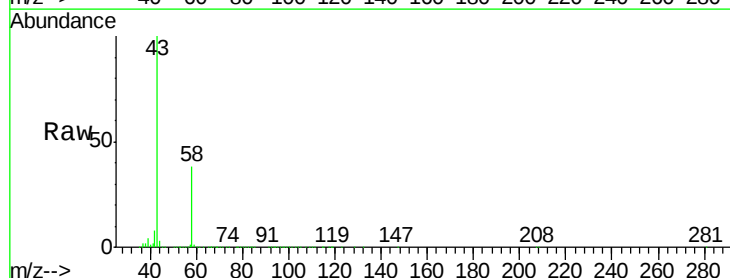
Acq: 15 Oct 2020 19:52

Tgt Ion: 58 Resp: 2975240

Ion Ratio Lower Upper

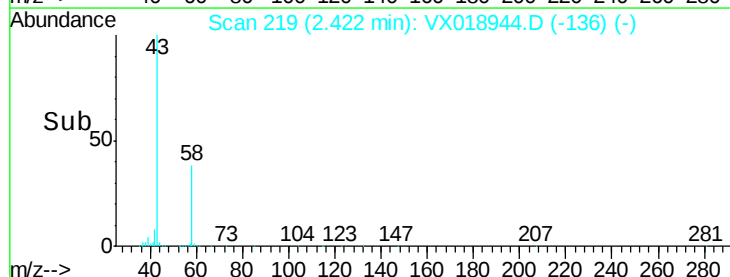
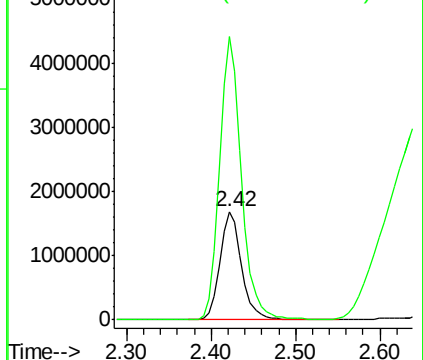
58 100

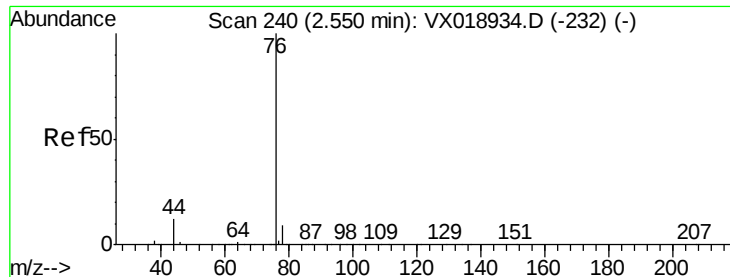
43 260.7 223.8 335.8



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

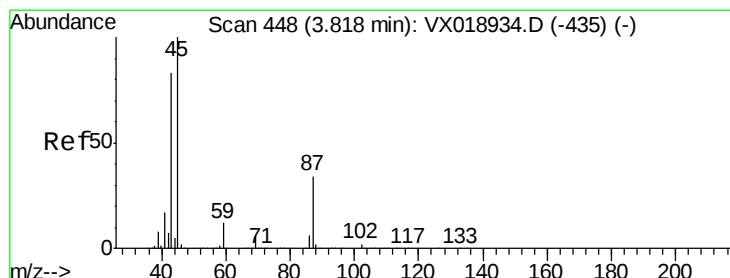
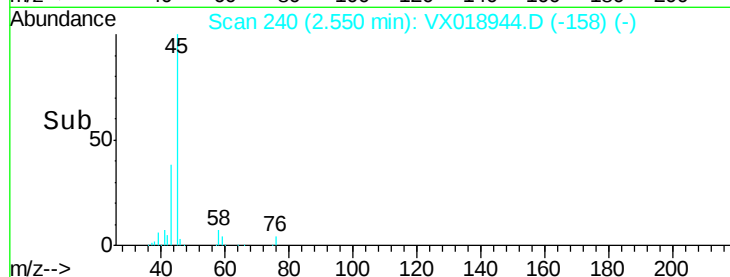
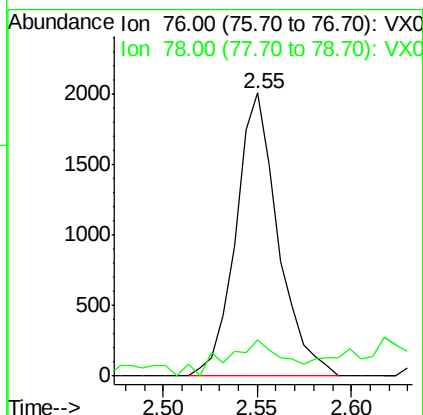
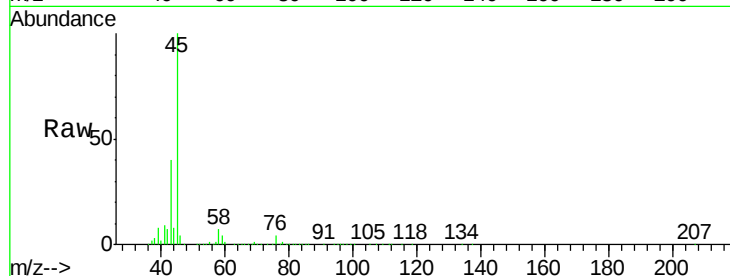




#16
Carbon Disulfide
Concen: 0.450 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX018944.D
Acq: 15 Oct 2020 19:52

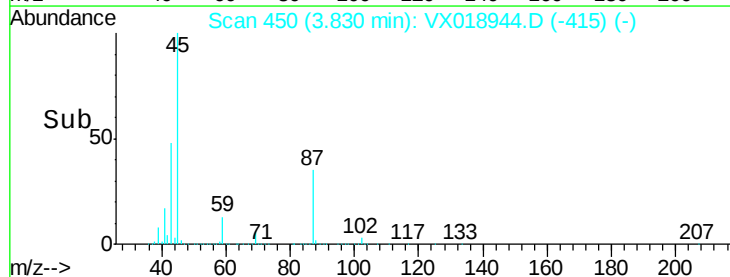
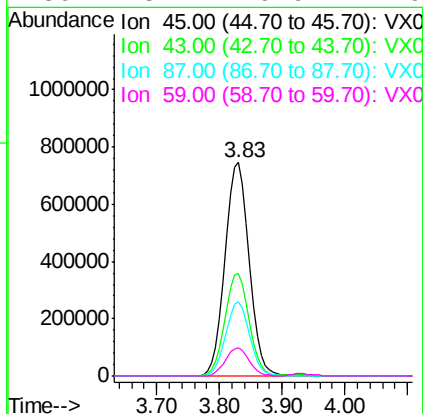
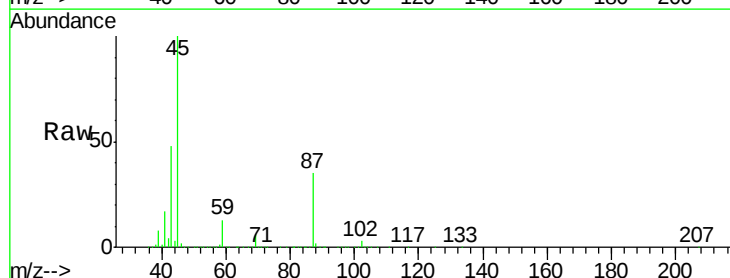
Instrument :
MSVOA_X
ClientSampleId :
EFF-WW

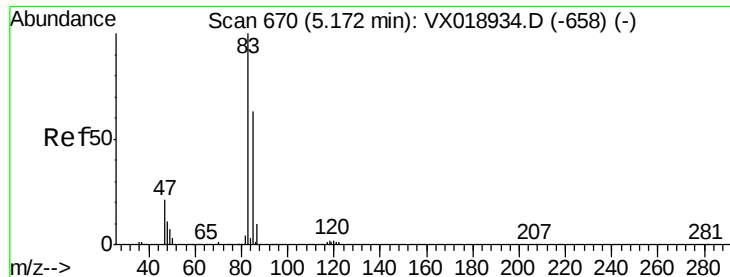
Tot Ion: 76 Resp: 3122
Ion Ratio Lower Upper
76 100
78 8.6 7.4 11.2



#20
Diisopropyl ether
Concen: 292.167 ug/l
RT: 3.83 min Scan# 450
Delta R.T. 0.01 min
Lab File: VX018944.D
Acq: 15 Oct 2020 19:52

Tgt Ion: 45 Resp: 1991052
Ion Ratio Lower Upper
45 100
43 48.1 69.7 104.5#
87 34.6 26.9 40.3
59 13.1 9.9 14.9





#25

Chloroform

Concen: 1.044 ug/l

RT: 5.18 min Scan# 671

Delta R.T. 0.01 min

Lab File: VX018944.D

Acq: 15 Oct 2020 19:52

Instrument :

MSVOA_X

ClientSampleId :

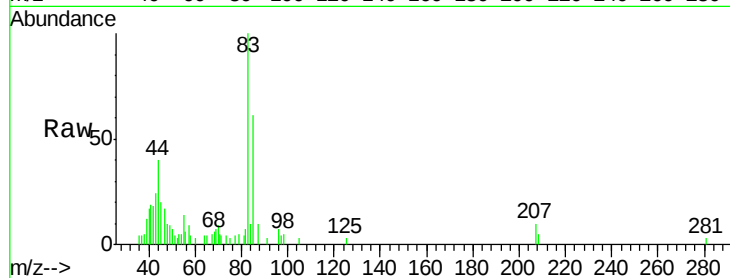
EFF-WW

Tot Ion: 83 Resp: 5160

Ion Ratio Lower Upper

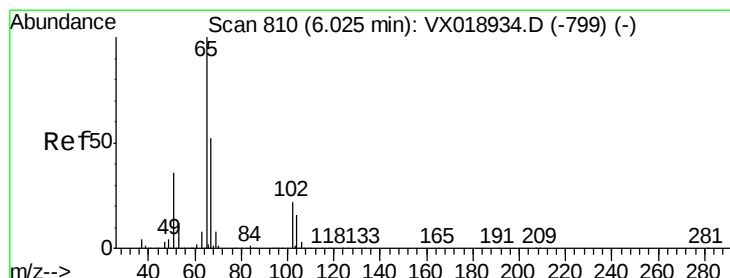
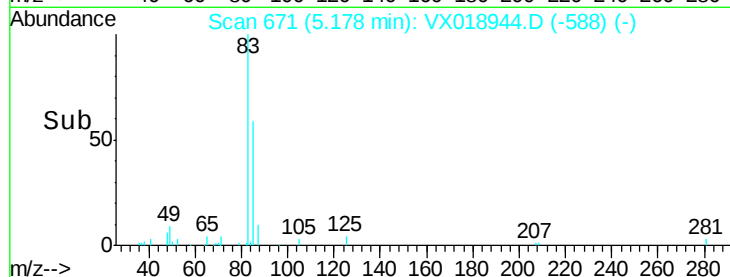
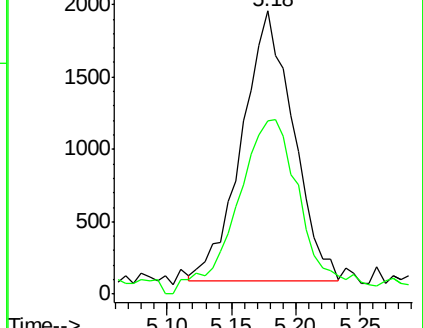
83 100

85 59.0 50.3 75.5



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#27

1,2-Dichloroethane-d4

Concen: 31.624 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.01 min

Lab File: VX018944.D

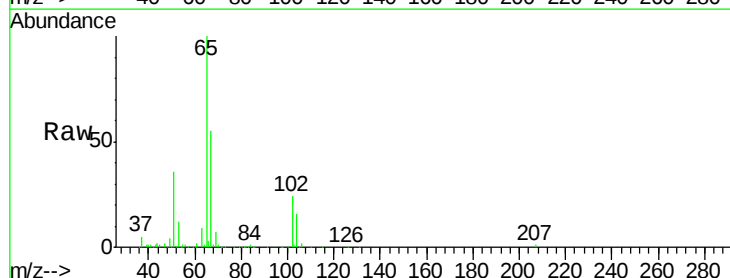
Acq: 15 Oct 2020 19:52

Tgt Ion: 65 Resp: 95367

Ion Ratio Lower Upper

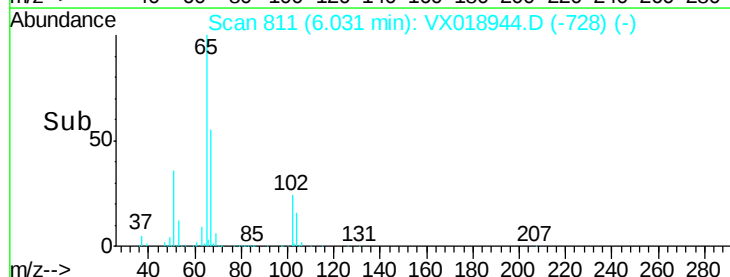
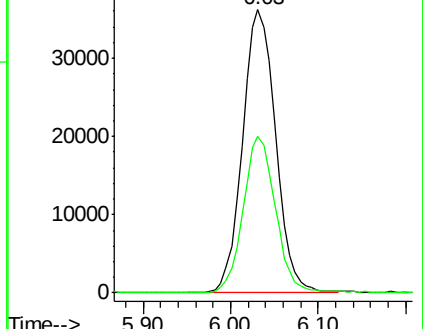
65 100

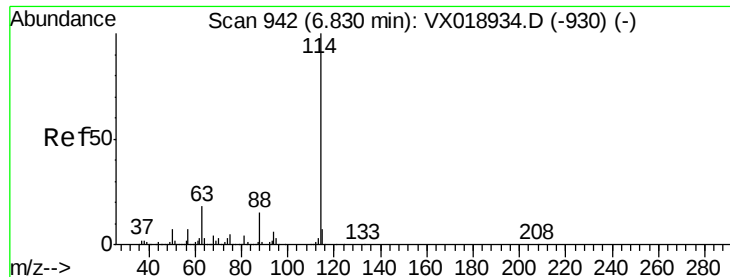
67 53.4 42.1 63.1



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

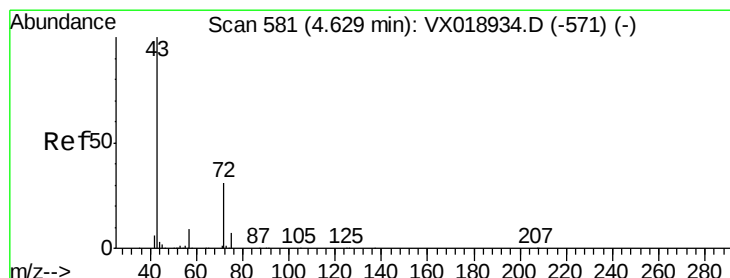
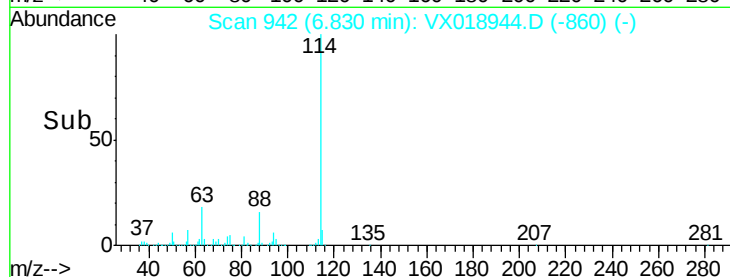
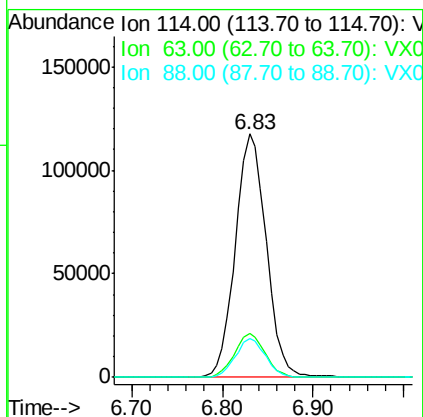
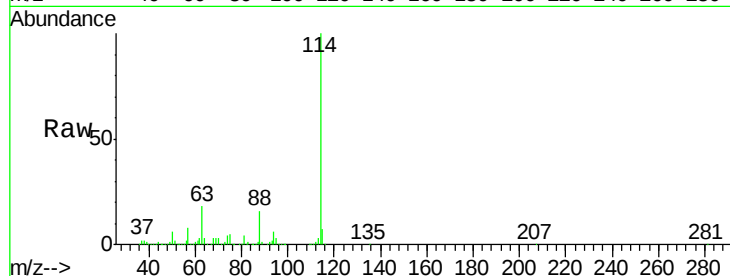




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX018944.D
 Acq: 15 Oct 2020 19:52

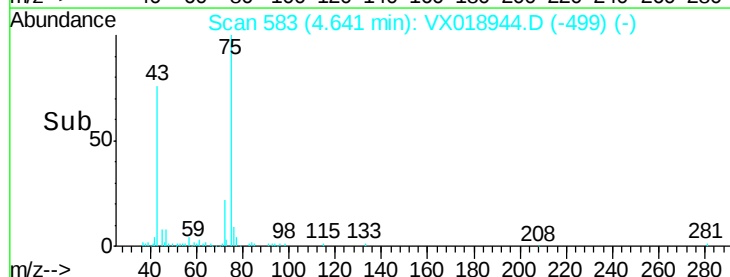
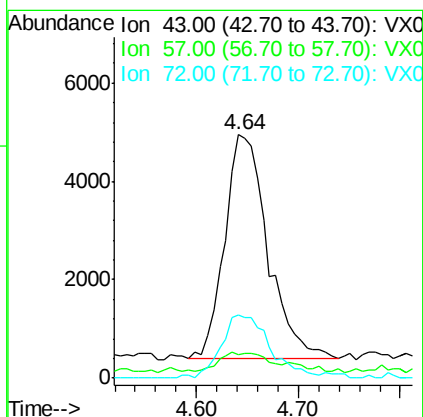
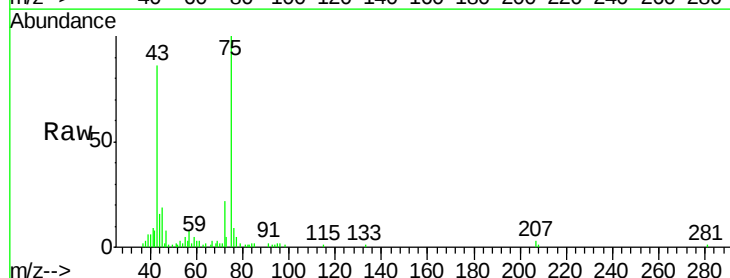
Instrument :
 MSVOA_X
 ClientSampleId :
 EFF-WW

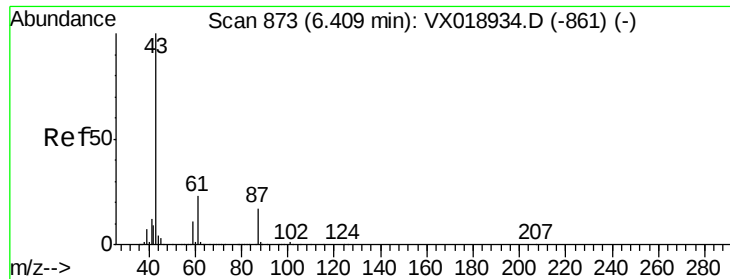
Tot Ion:114 Resp: 278530
 Ion Ratio Lower Upper
 114 100
 63 17.9 14.6 21.8
 88 15.7 12.3 18.5



#30
 2-Butanone
 Concen: 6.595 ug/l
 RT: 4.64 min Scan# 583
 Delta R.T. 0.01 min
 Lab File: VX018944.D
 Acq: 15 Oct 2020 19:52

Tgt Ion: 43 Resp: 13272
 Ion Ratio Lower Upper
 43 100
 57 4.1 7.0 10.6#
 72 31.6 25.6 38.4



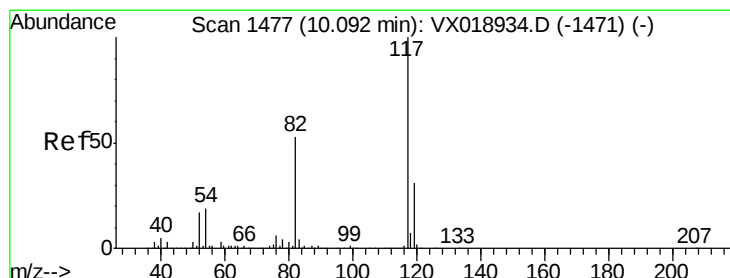
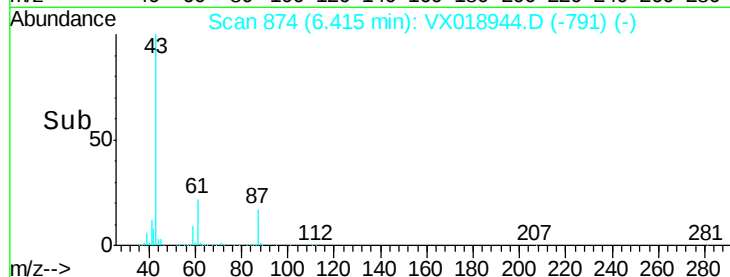
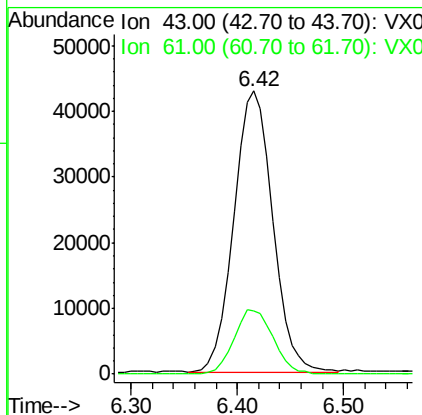
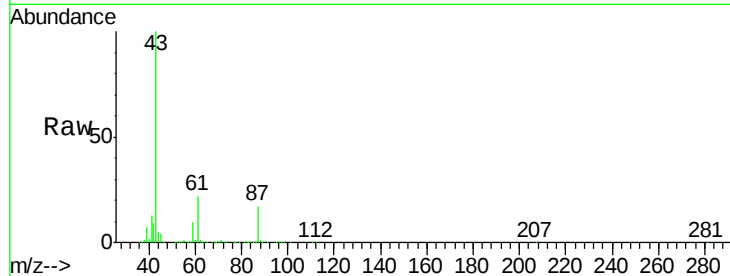


#44

Isopropyl Acetate
 Concen: 16.368 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. 0.01 min
 Lab File: VX018944.D
 Acq: 15 Oct 2020 19:52

Instrument :
 MSVOA_X
 ClientSampleId :
 EFF-WW

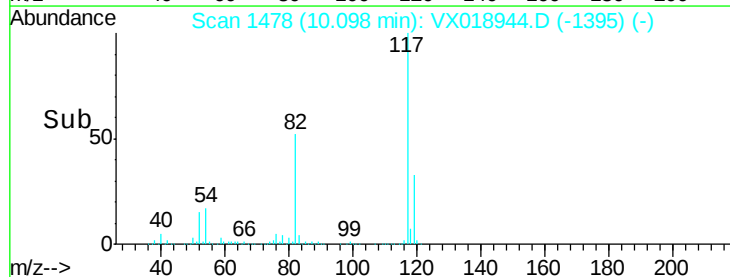
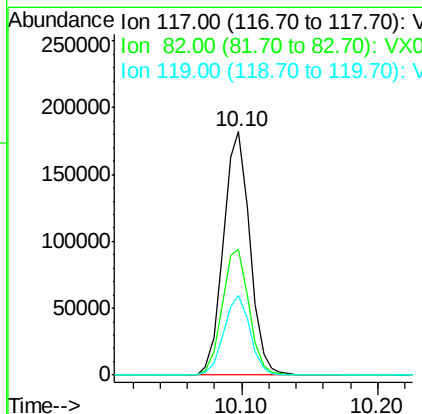
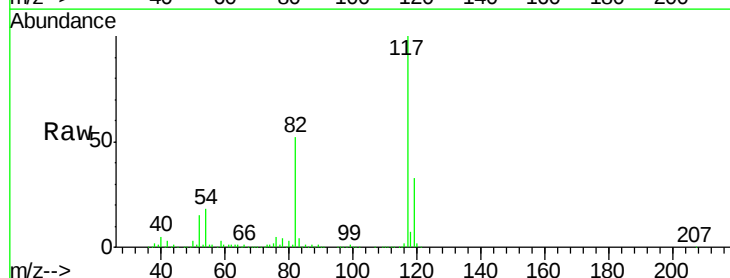
Tot Ion: 43 Resp: 109469
 Ion Ratio Lower Upper
 43 100
 61 23.4 0.0 0.0#

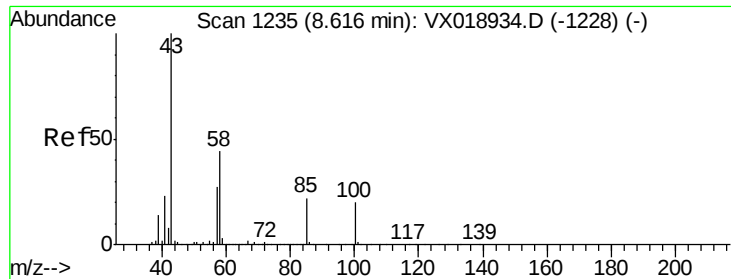


#57

Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 10.10 min Scan# 1478
 Delta R.T. 0.01 min
 Lab File: VX018944.D
 Acq: 15 Oct 2020 19:52

Tgt Ion: 117 Resp: 245503
 Ion Ratio Lower Upper
 117 100
 82 52.6 41.6 62.4
 119 32.3 25.7 38.5

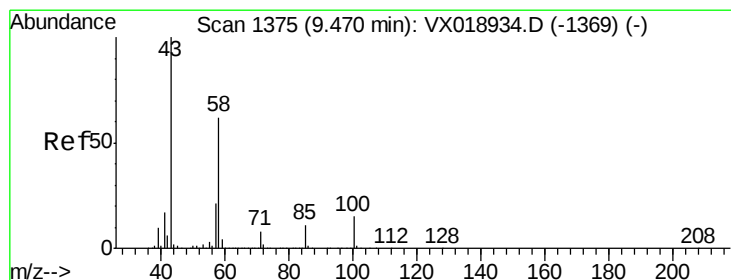
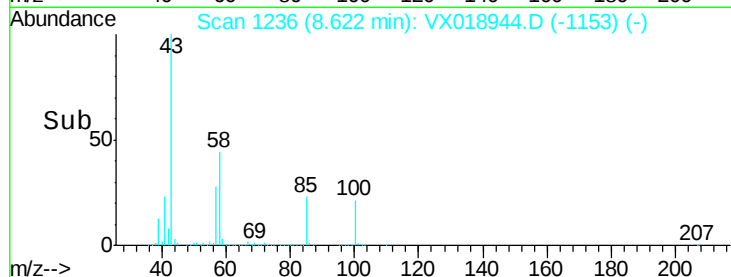
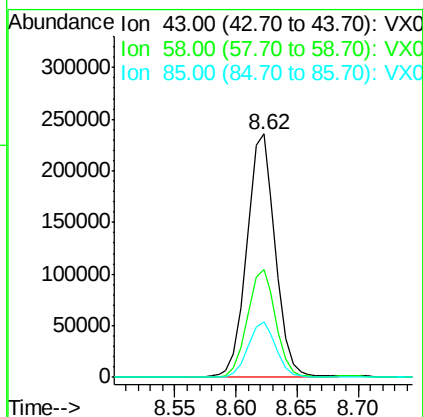
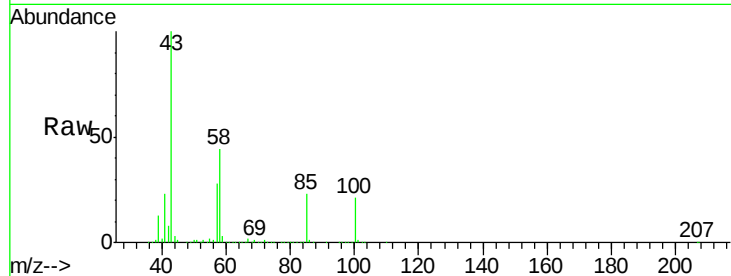




#58
4-Methyl-2-Pentanone
Concen: 97.231 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VX018944.D
Acq: 15 Oct 2020 19:52

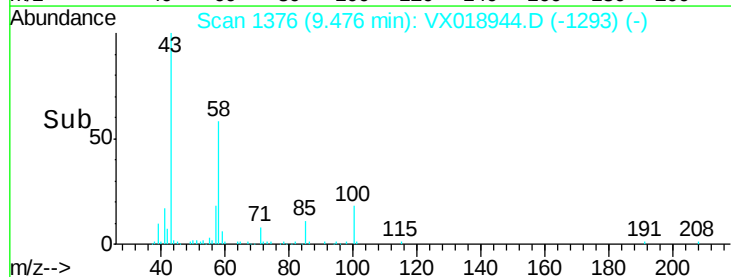
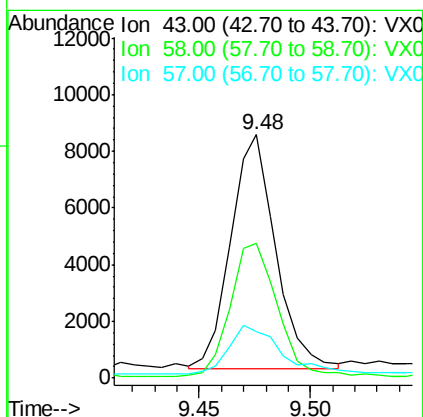
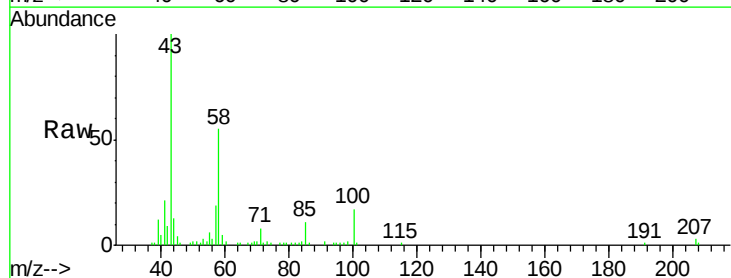
Instrument :
MSVOA_X
ClientSampled :
EFF-WW

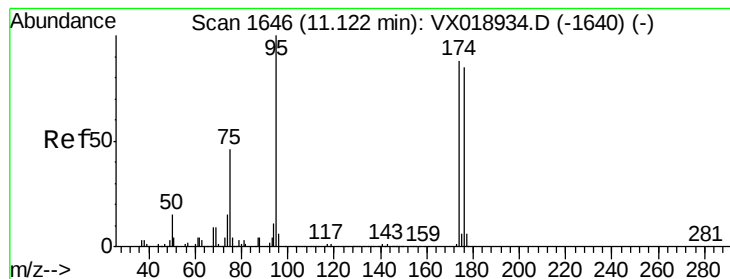
Tot Ion: 43 Resp: 380914
Ion Ratio Lower Upper
43 100
58 44.0 35.4 53.2
85 22.3 18.0 27.0



#59
2-Hexanone
Concen: 3.845 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX018944.D
Acq: 15 Oct 2020 19:52

Tgt Ion: 43 Resp: 11535
Ion Ratio Lower Upper
43 100
58 63.3 49.7 74.5
57 25.9 16.9 25.3#





#60

4-Bromofluorobenzene

Concen: 29.173 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX018944.D

Acq: 15 Oct 2020 19:52

Instrument :

MSVOA_X

ClientSampleId :

EFF-WW

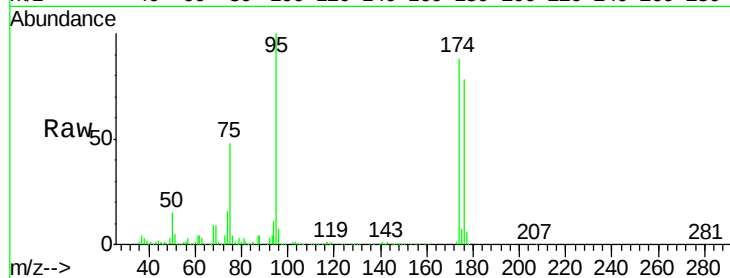
Tot Ion: 95 Resp: 111502

Ion Ratio Lower Upper

95 100

174 84.5 67.0 100.4

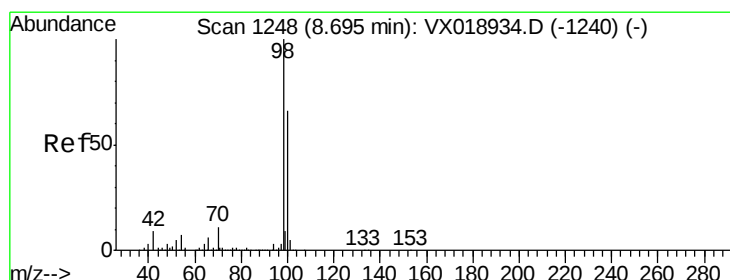
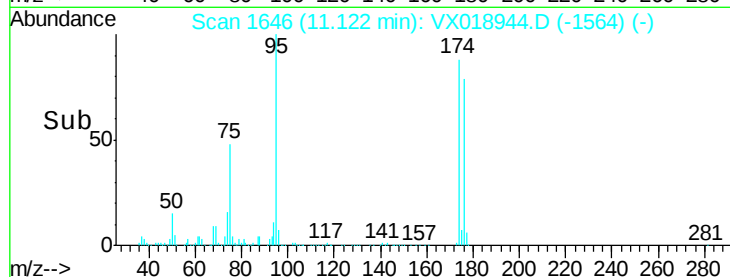
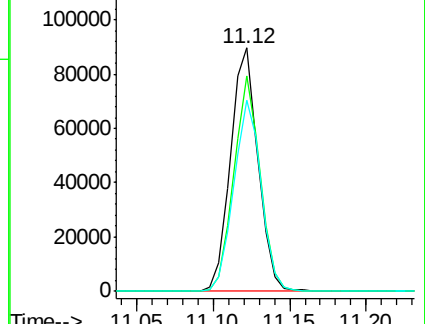
176 78.3 64.5 96.7



Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Toluene-d8

Concen: 30.318 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX018944.D

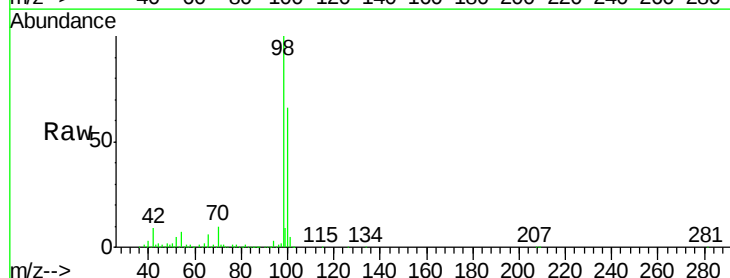
Acq: 15 Oct 2020 19:52

Tgt Ion: 98 Resp: 325153

Ion Ratio Lower Upper

98 100

100 66.9 53.2 79.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

