

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101520\
 Data File : VX018949.D
 Acq On : 15 Oct 2020 21:46
 Operator : JC/SP
 Sample : L4386-01 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 14B-1

Quant Time: Oct 16 01:45:59 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	42576	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	237683	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	206184	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	89396	32.92	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	109.73%
60) 4-Bromofluorobenzene	11.12	95	94606	29.47	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.23%
63) Toluene-d8	8.70	98	283991	31.53	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	105.10%

Target Compounds

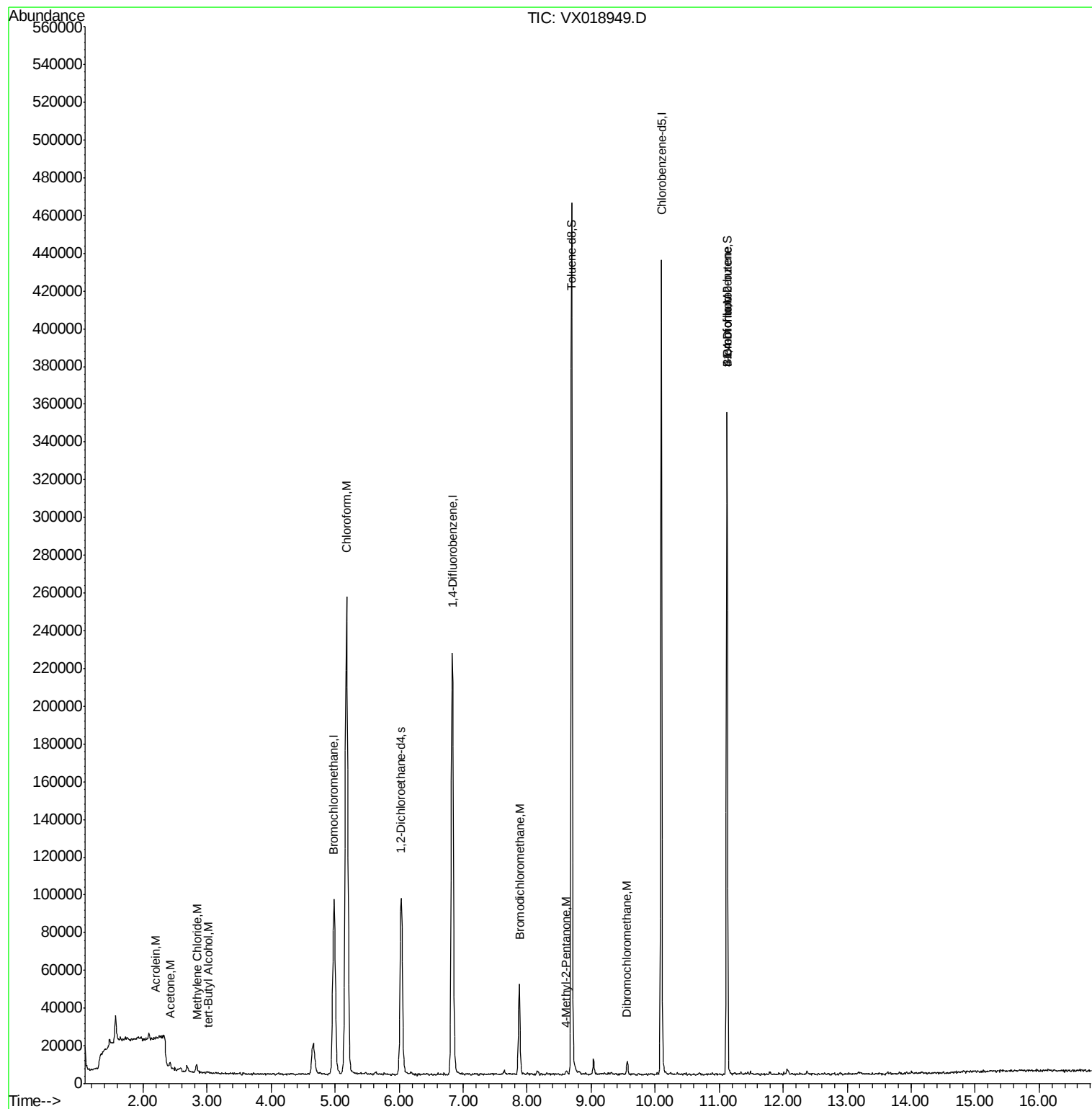
					Ovalue	
13) Acrolein	2.20	56	206	0.431	ug/l	99
15) Acetone	2.42	58	1201	3.068	ug/l	92
18) Methylene Chloride	2.83	84	1974	0.769	ug/l	93
23) tert-Butyl Alcohol	3.01	59	453	0.700	ug/l #	92
25) Chloroform	5.18	83	310805	69.798	ug/l	96
41) Bromodichloromethane	7.88	83	31120	8.333	ug/l	98
53) Dibromochloromethane	9.57	129	1954	0.624	ug/l	98
56) Bromoform	11.12	173	724	0.299	ug/l #	1
58) 4-Methyl-2-Pentanone	8.60	43	760	0.231	ug/l #	60
77) t-1,4-Dichloro-2-butene	11.12	75	45676	30.075	ug/l #	18

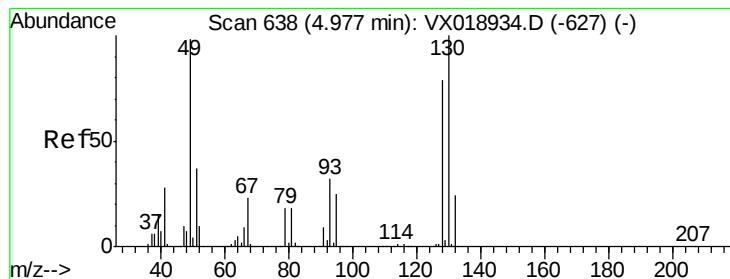
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX101520\
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Instrument :
MSVOA_X
ClientSampleId :
14B-1

Quant Time: Oct 16 01:45:59 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: VX018949.D

Acq: 15 Oct 2020 21:46

Instrument :

MSVOA_X

ClientSampled :

14B-1

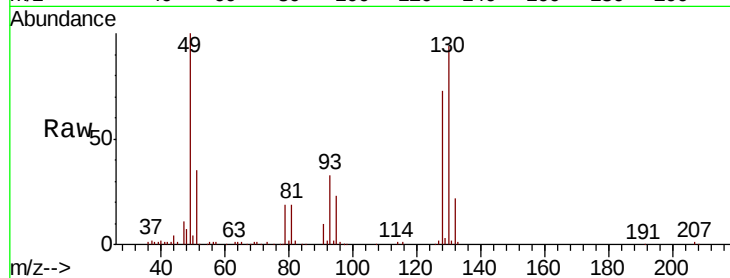
Tot Ion:128 Resp: 42576

Ion Ratio Lower Upper

128 100

49 140.2 0.0 330.5

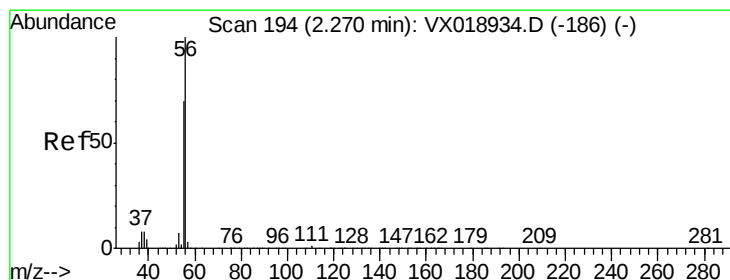
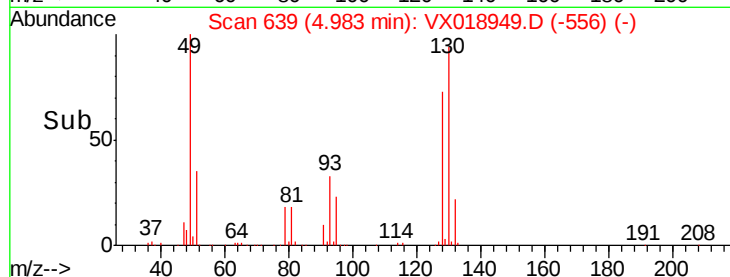
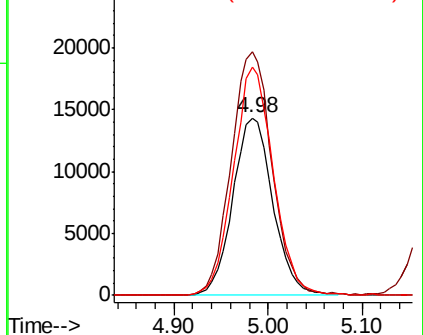
130 128.4 0.0 323.8



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



#13

Acrolein

Concen: 0.431 ug/l

RT: 2.20 min Scan# 183

Delta R.T. -0.07 min

Lab File: VX018949.D

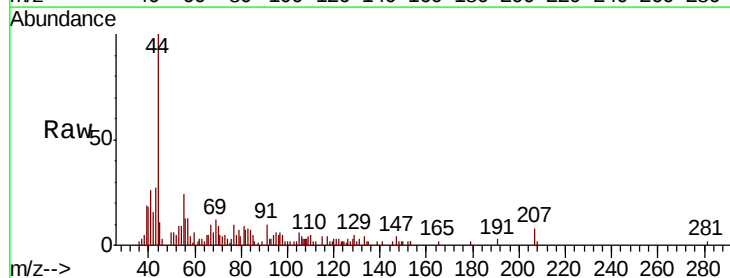
Acq: 15 Oct 2020 21:46

Tgt Ion: 56 Resp: 206

Ion Ratio Lower Upper

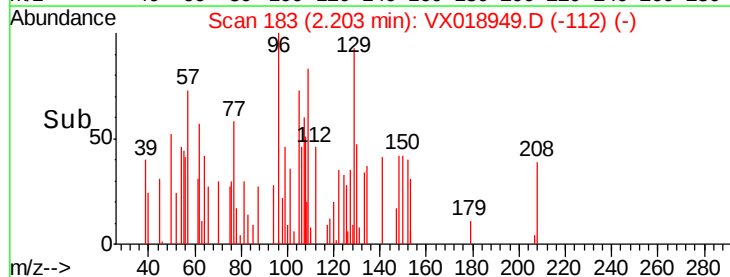
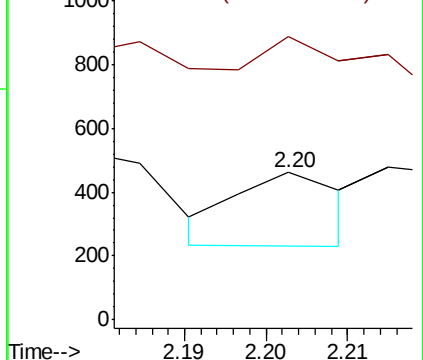
56 100

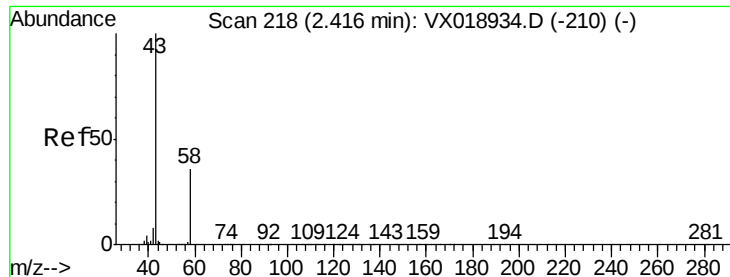
55 70.9 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acetone

Concen: 3.068 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX018949.D

Acq: 15 Oct 2020 21:46

Instrument :

MSVOA_X

ClientSampleId :

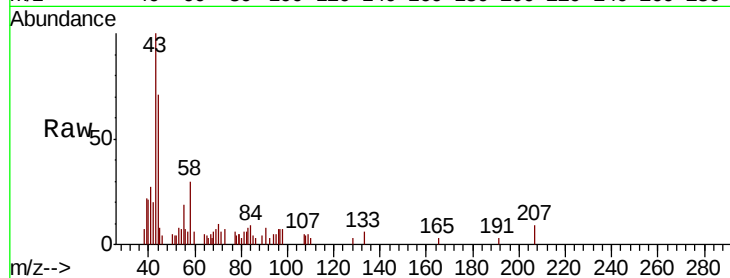
14B-1

Tot Ion: 58 Resp: 1201

Ion Ratio Lower Upper

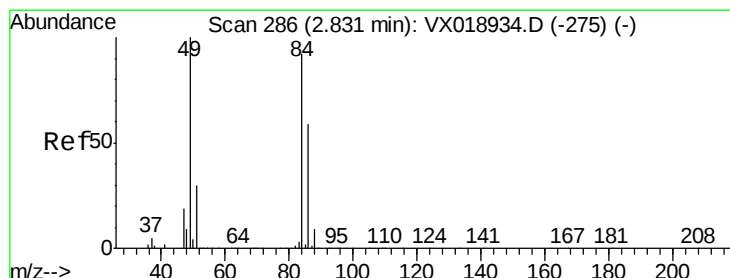
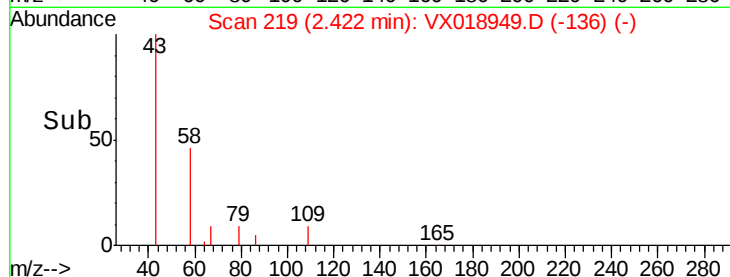
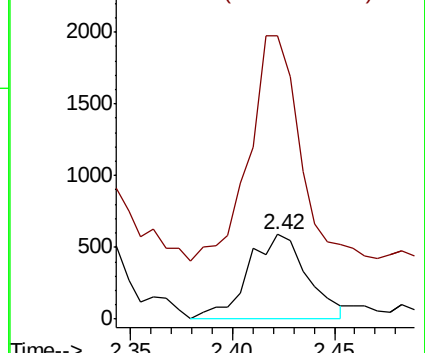
58 100

43 265.7 223.8 335.8



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#18

Methylene Chloride

Concen: 0.769 ug/l

RT: 2.83 min Scan# 286

Delta R.T. 0.00 min

Lab File: VX018949.D

Acq: 15 Oct 2020 21:46

Tgt Ion: 84 Resp: 1974

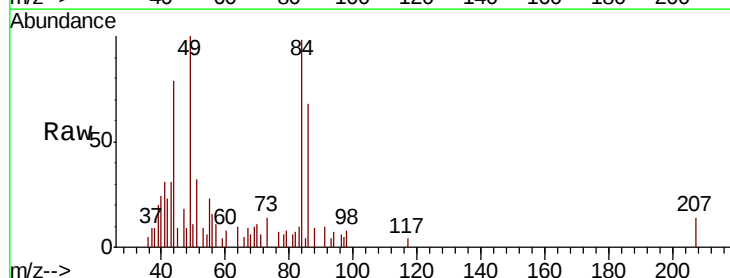
Ion Ratio Lower Upper

84 100

49 106.4 87.2 130.8

51 30.1 25.9 38.9

86 76.2 51.3 76.9

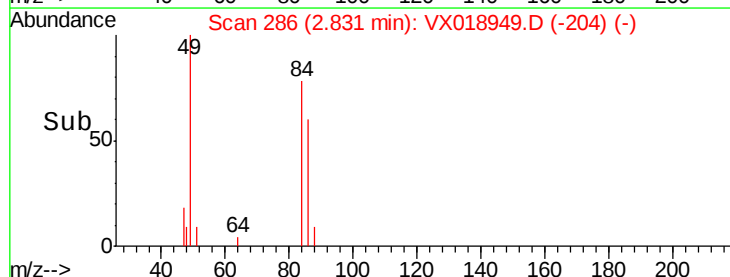
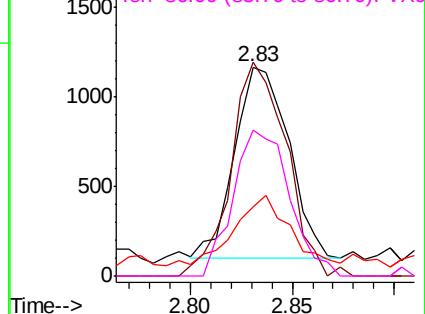


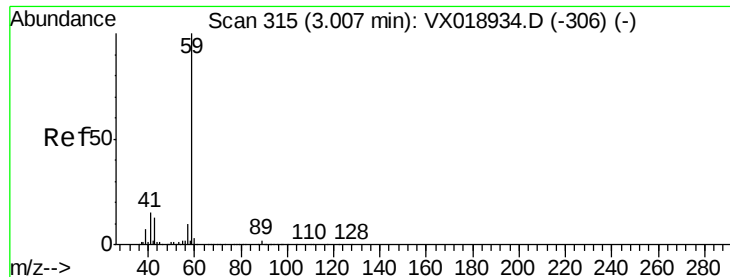
Abundance Ion 84.00 (83.70 to 84.70): VX0

Ion 49.00 (48.70 to 49.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



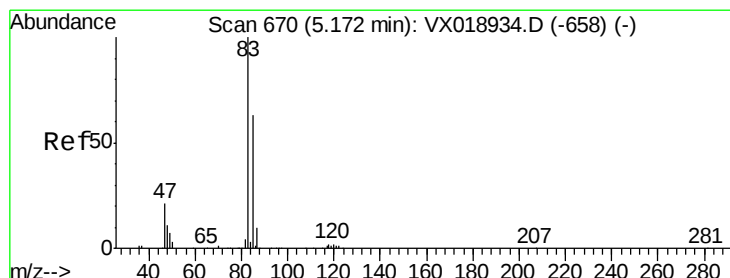
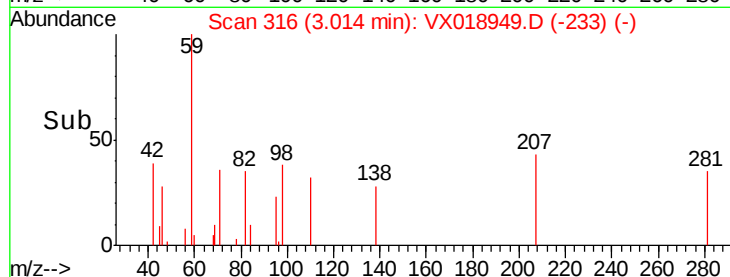
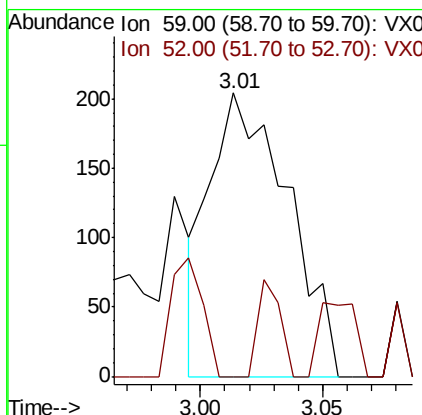
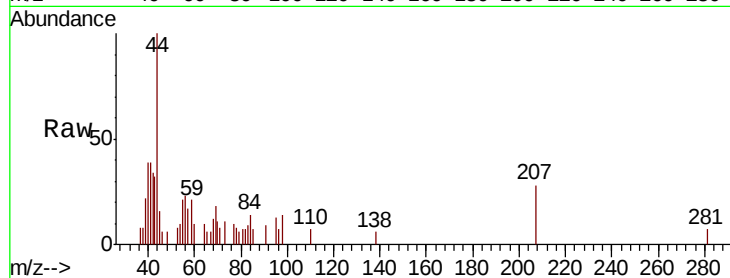


#23

tert-Butyl Alcohol
 Concen: 0.700 ug/l
 RT: 3.01 min Scan# 316
 Delta R.T. 0.01 min
 Lab File: VX018949.D
 Acq: 15 Oct 2020 21:46

Instrument :
 MSVOA_X
 ClientSampleId :
 14B-1

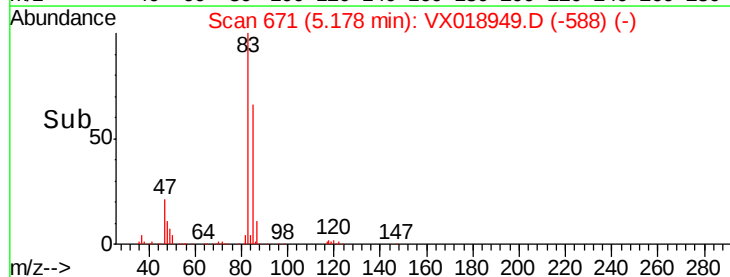
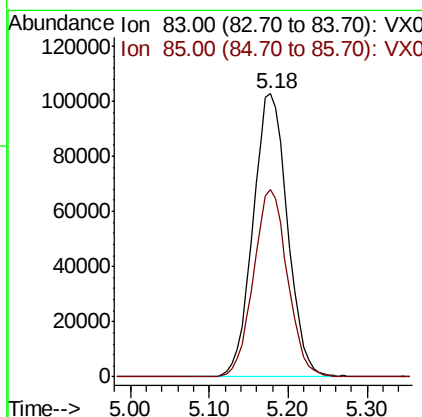
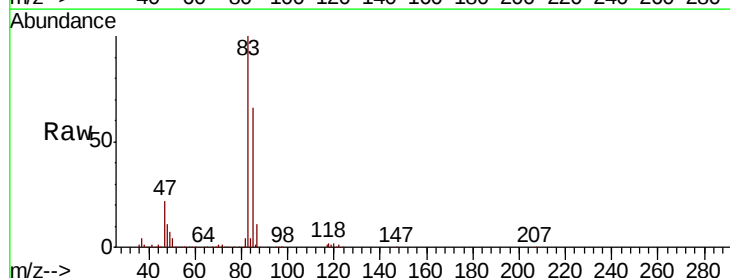
Tot Ion: 59 Resp: 453
 Ion Ratio Lower Upper
 59 100
 52 9.9 0.2 0.2#

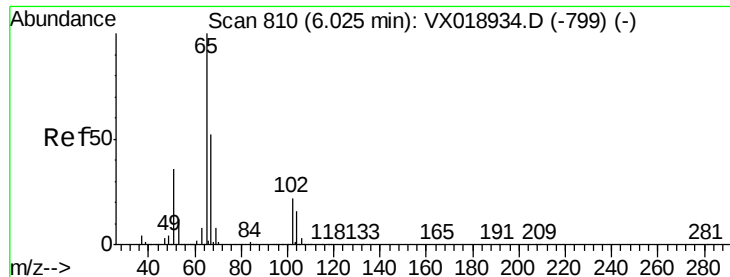


#25

Chloroform
 Concen: 69.798 ug/l
 RT: 5.18 min Scan# 671
 Delta R.T. 0.01 min
 Lab File: VX018949.D
 Acq: 15 Oct 2020 21:46

Tgt Ion: 83 Resp: 310805
 Ion Ratio Lower Upper
 83 100
 85 66.3 50.3 75.5





#27

1,2-Dichloroethane-d4

Concen: 32.915 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.01 min

Lab File: VX018949.D

Acq: 15 Oct 2020 21:46

Instrument :

MSVOA_X

ClientSampleId :

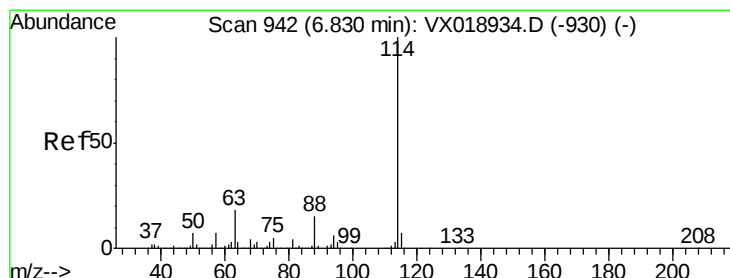
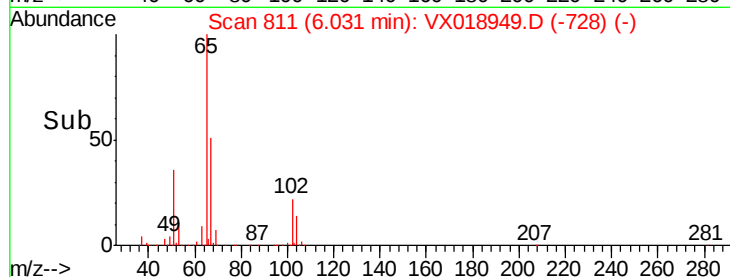
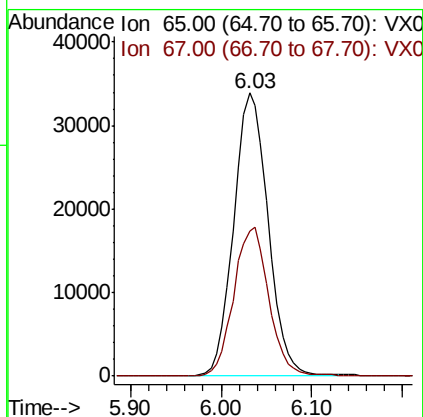
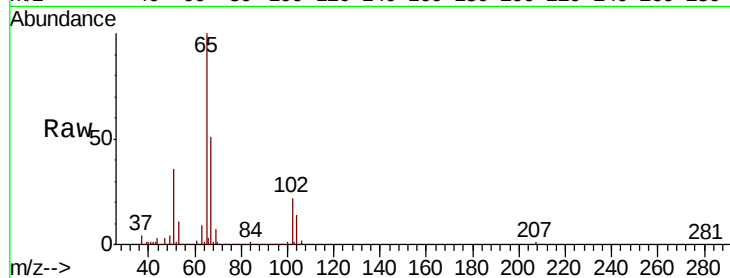
14B-1

Tot Ion: 65 Resp: 89396

Ion Ratio Lower Upper

65 100

67 53.1 42.1 63.1



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX018949.D

Acq: 15 Oct 2020 21:46

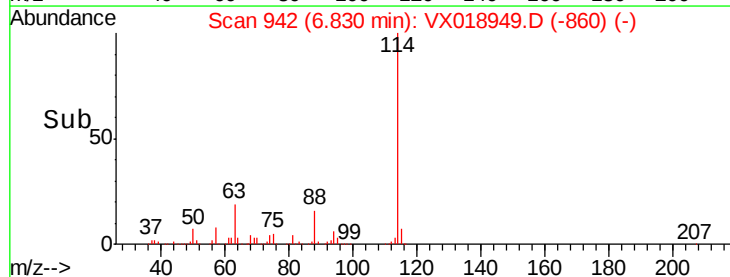
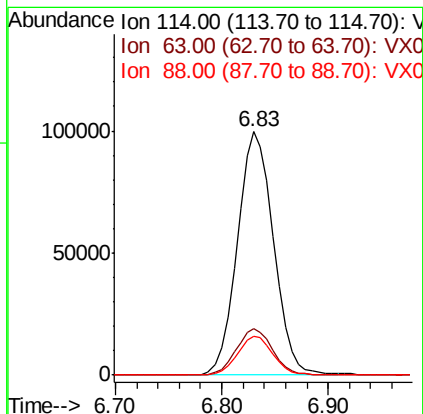
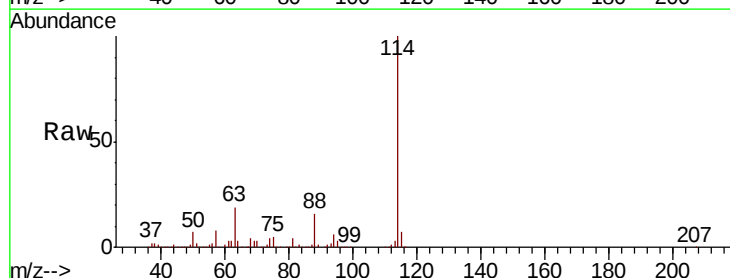
Tgt Ion: 114 Resp: 237683

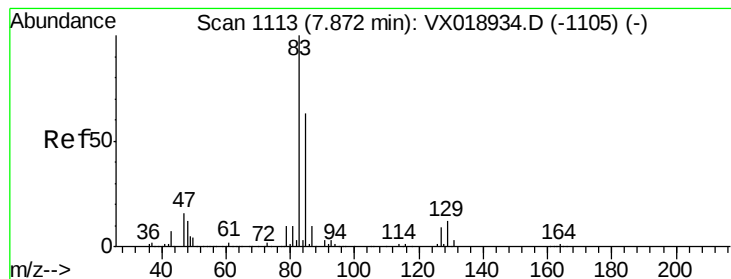
Ion Ratio Lower Upper

114 100

63 19.2 14.6 21.8

88 15.8 12.3 18.5





#41

Bromodichloromethane

Concen: 8.333 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VX018949.D

Acq: 15 Oct 2020 21:46

Instrument :

MSVOA_X

ClientSampleId :

14B-1

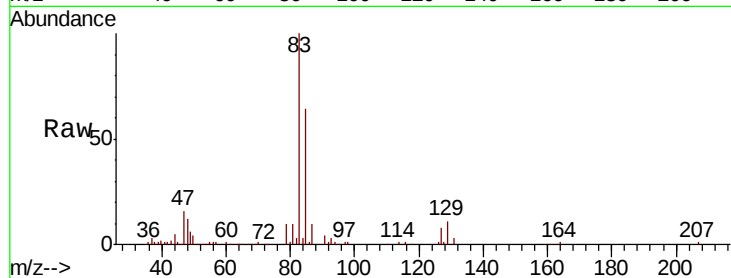
Tot Ion: 83 Resp: 31120

Ion Ratio Lower Upper

83 100

85 64.6 50.4 75.6

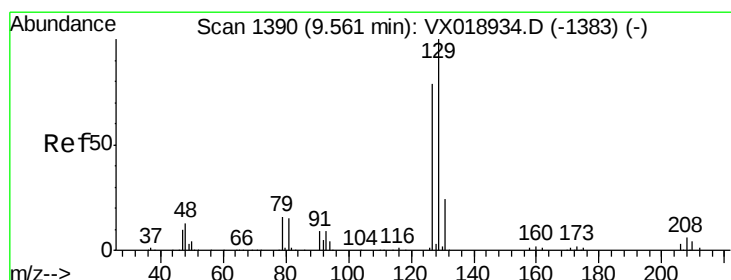
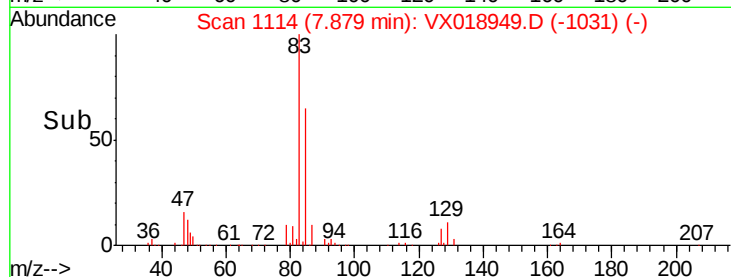
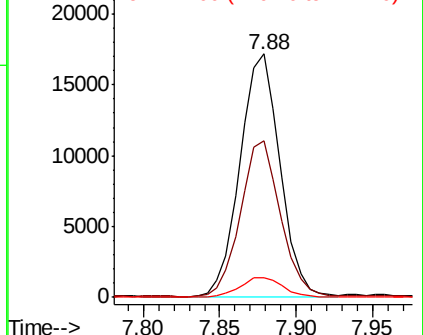
127 8.1 7.5 11.3



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 127.00 (126.70 to 127.70): V



#53

Dibromochloromethane

Concen: 0.624 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. 0.01 min

Lab File: VX018949.D

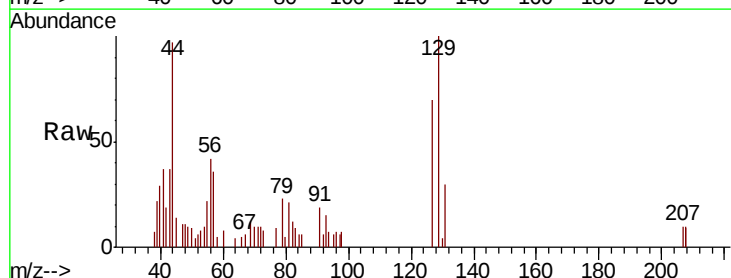
Acq: 15 Oct 2020 21:46

Tgt Ion: 129 Resp: 1954

Ion Ratio Lower Upper

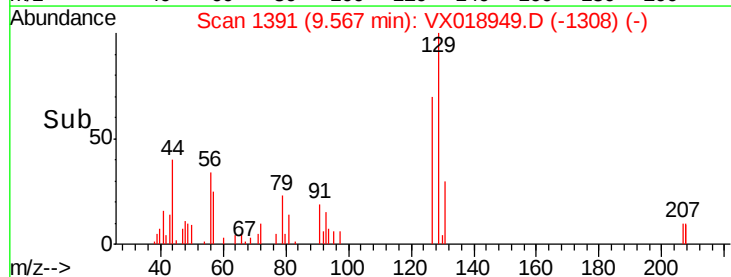
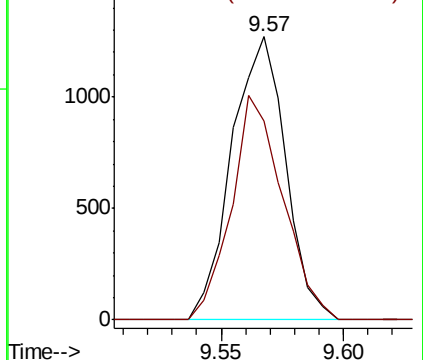
129 100

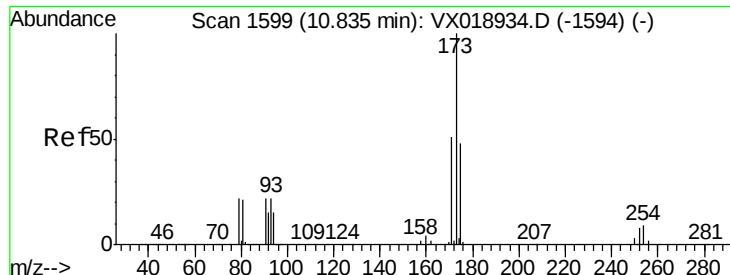
127 75.4 38.7 116.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#56

Bromoform

Concen: 0.299 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.29 min

Lab File: VX018949.D

Acq: 15 Oct 2020 21:46

Instrument :

MSVOA_X

ClientSampleId :

14B-1

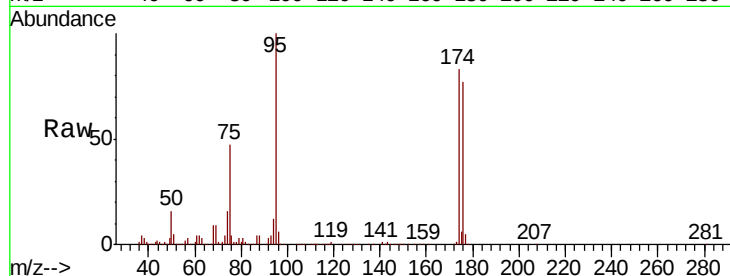
Tot Ion:173 Resp: 724

Ion Ratio Lower Upper

173 100

175 760.9 39.2 58.8#

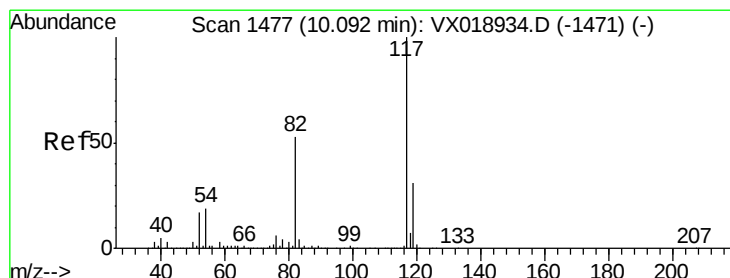
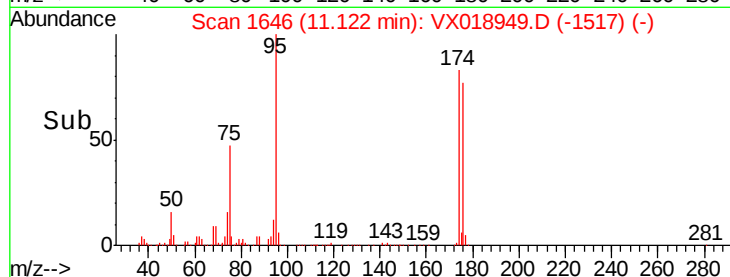
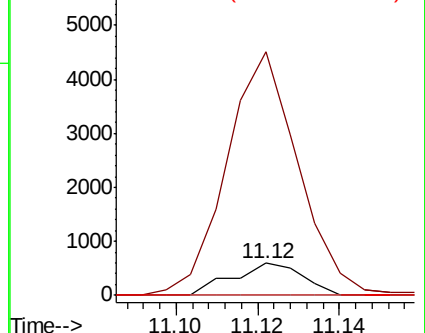
254 0.0 7.5 11.3#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.01 min

Lab File: VX018949.D

Acq: 15 Oct 2020 21:46

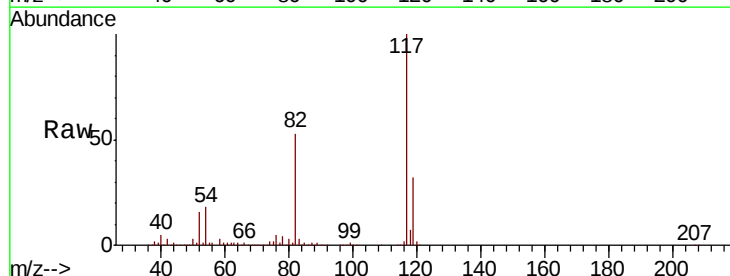
Tgt Ion:117 Resp: 206184

Ion Ratio Lower Upper

117 100

82 54.7 41.6 62.4

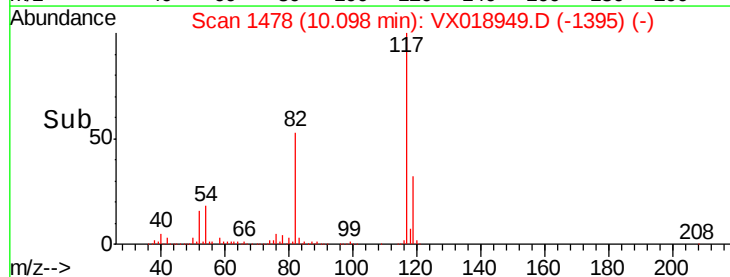
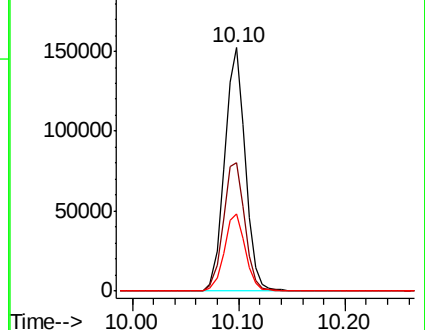
119 32.3 25.7 38.5

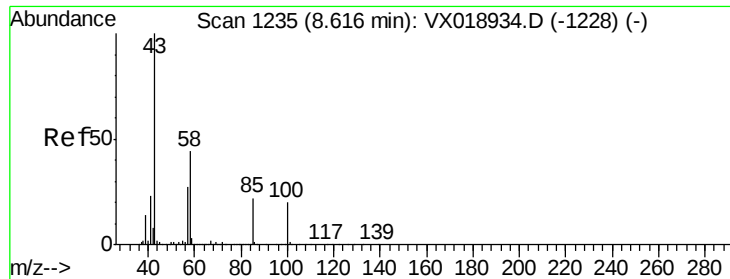


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V

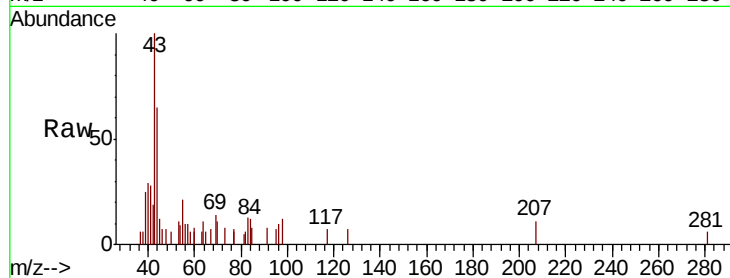




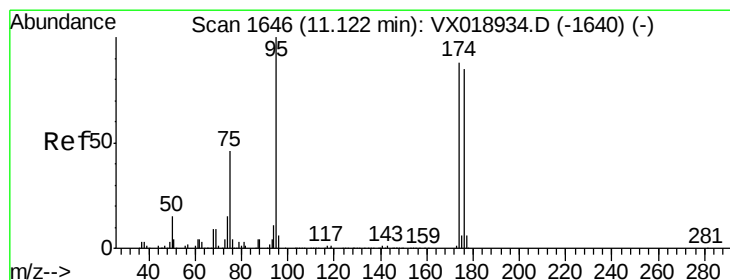
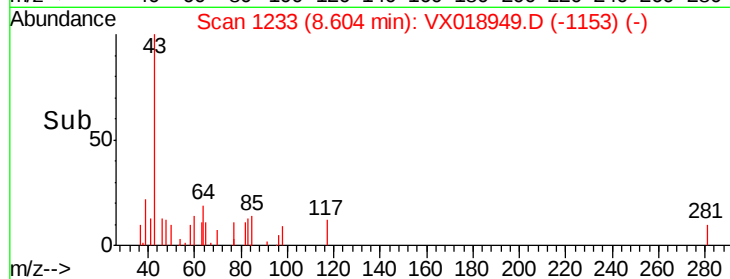
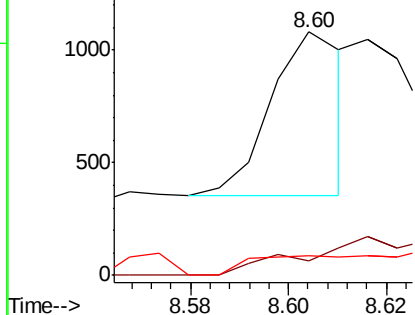
#58
4-Methyl-2-Pentanone
Concen: 0.231 ug/l
RT: 8.60 min Scan# 1233
Delta R.T. -0.01 min
Lab File: VX018949.D
Acq: 15 Oct 2020 21:46

Instrument :
MSVOA_X
ClientSampled :
14B-1

Tot Ion: 43 Resp: 760
Ion Ratio Lower Upper
43 100
58 10.0 35.4 53.2#
85 15.7 18.0 27.0#

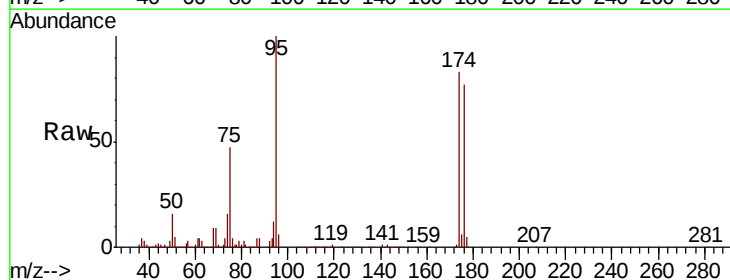


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 85.00 (84.70 to 85.70): VX0

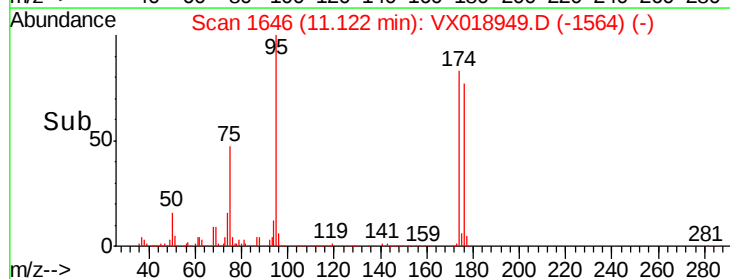
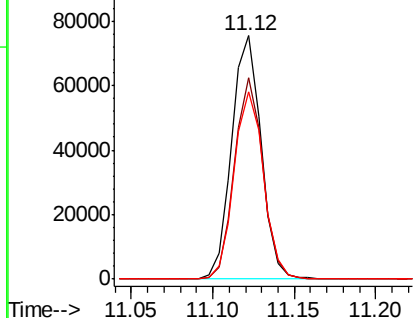


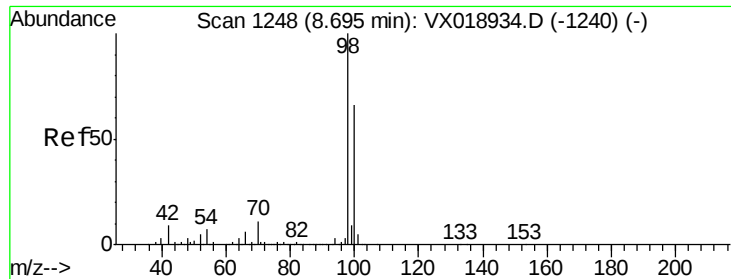
#60
4-Bromofluorobenzene
Concen: 29.472 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX018949.D
Acq: 15 Oct 2020 21:46

Tgt Ion: 95 Resp: 94606
Ion Ratio Lower Upper
95 100
174 80.6 67.0 100.4
176 77.6 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: 31.530 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX018949.D

Acq: 15 Oct 2020 21:46

Instrument :

MSVOA_X

ClientSampleId :

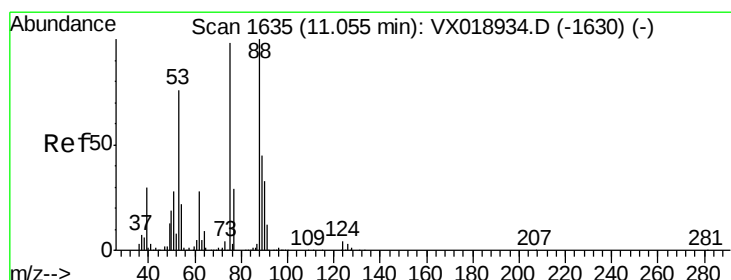
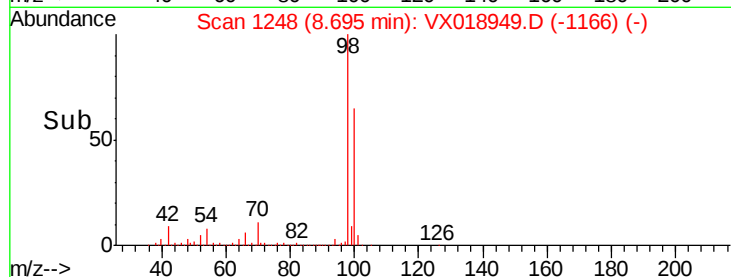
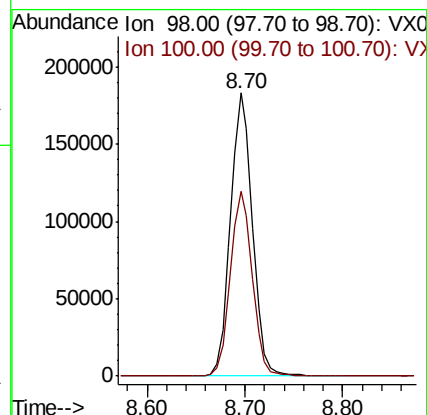
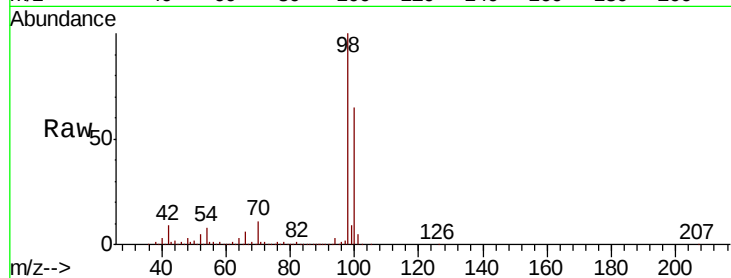
14B-1

Tot Ion: 98 Resp: 283991

Ion Ratio Lower Upper

98 100

100 65.4 53.2 79.8



#77

t-1,4-Dichloro-2-butene

Concen: 30.075 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX018949.D

Acq: 15 Oct 2020 21:46

Tgt Ion: 75 Resp: 45676

Ion Ratio Lower Upper

75 100

53 0.0 38.8 116.3#

89 0.0 22.9 68.8#

