

Data File : VX017283.D
Acq On : 09 Jul 2020 02:03
Operator : JC/SP
Sample : L3235-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Quant Time: Jul 09 05:02:52 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X062520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jun 26 09:03:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.99	128	48735	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	249447	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	212667	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	110099	29.02	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.73%
60) 4-Bromofluorobenzene	11.12	95	105632	29.78	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.27%
63) Toluene-d8	8.70	98	247559	26.41	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	88.03%

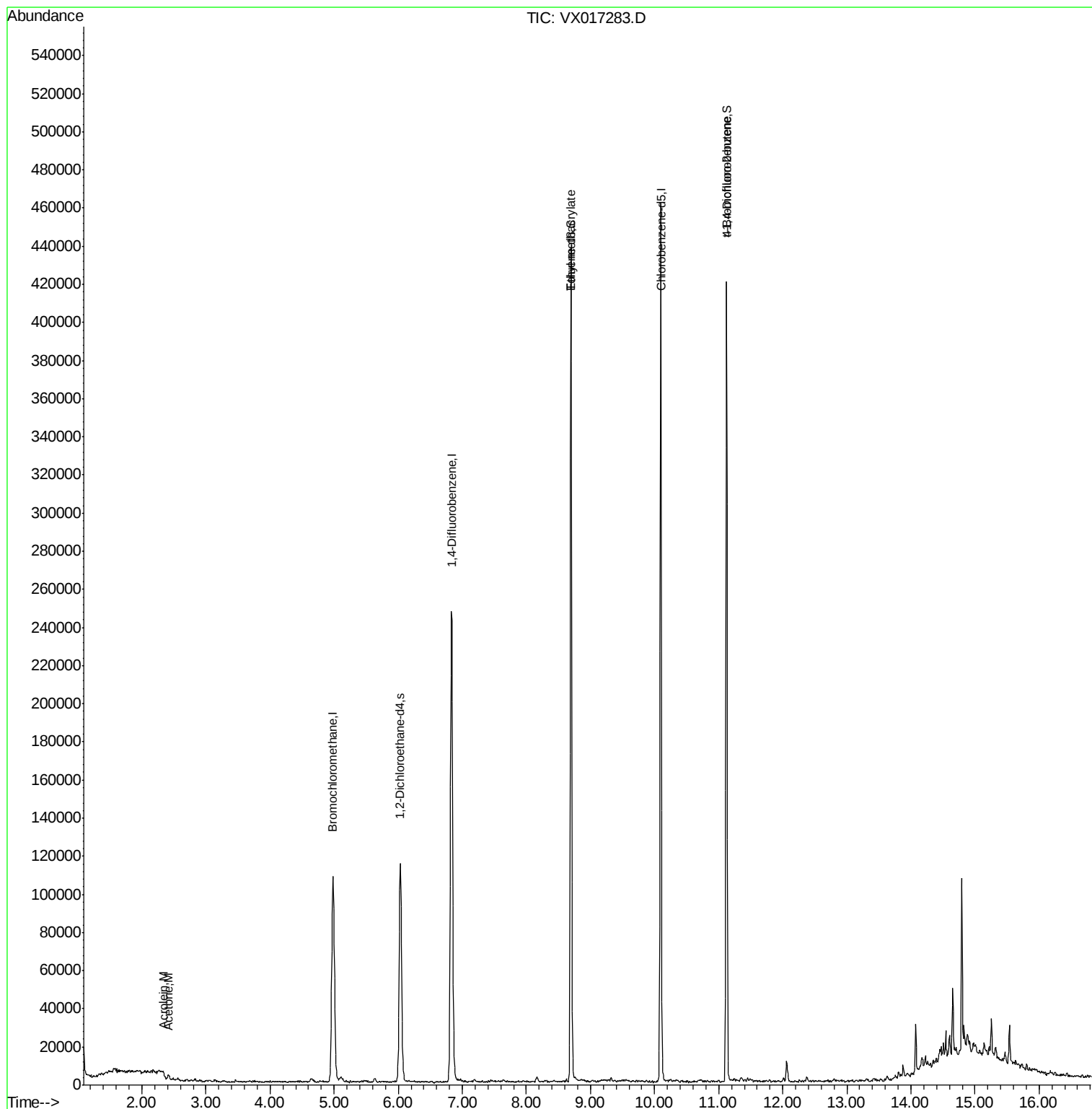
Target Compounds					Qvalue
13) Acrolein	2.35	56	141	0.254 ug/l	99
15) Acetone	2.42	58	900	2.086 ug/l	96
51) Ethyl methacrylate	8.70	69	993	0.218 ug/l	85
77) t-1,4-Dichloro-2-butene	11.12	75	52466	34.625 ug/l #	12

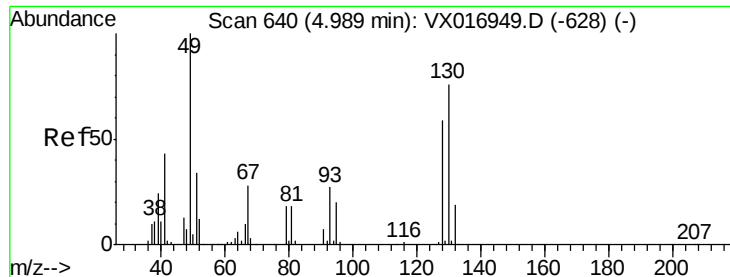
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 26 09:03:25 2020
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.99 min Scan# 640

Delta R.T. 0.00 min

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Instrument :

MSVOA_X

ClientSampleId :

IBLK

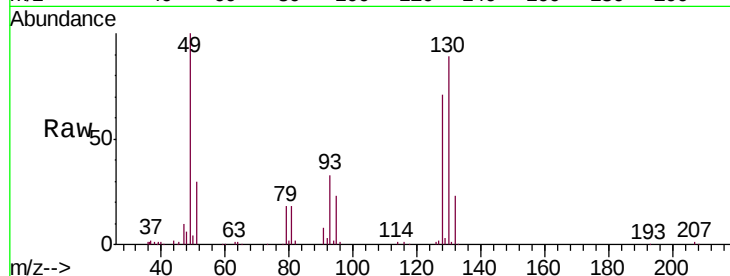
Tgt Ion:128 Resp: 48735

Ion Ratio Lower Upper

128 100

49 147.8 0.0 428.0

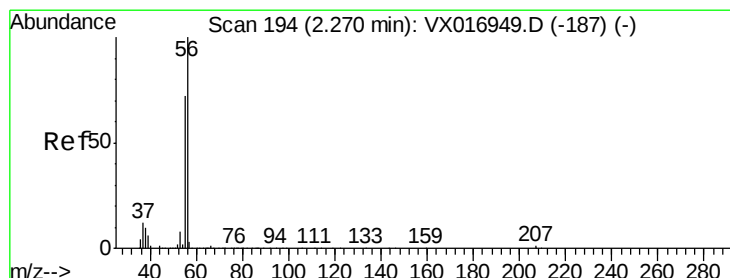
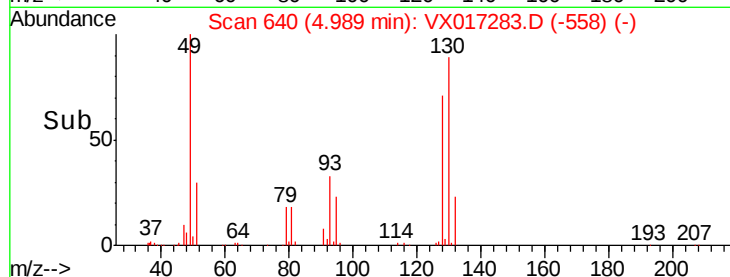
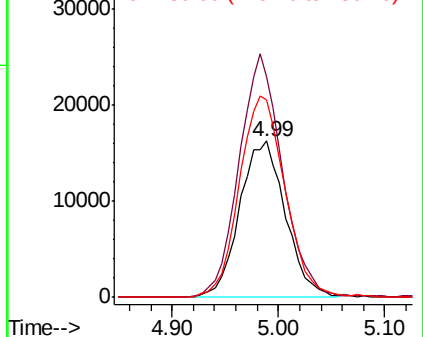
130 129.3 0.0 318.0



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: 0.254 ug/l

RT: 2.35 min Scan# 207

Delta R.T. 0.08 min

Lab File: VX017283.D

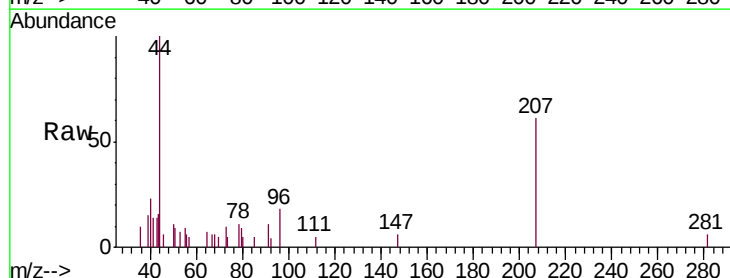
Acq: 09 Jul 2020 02:03

Tgt Ion: 56 Resp: 141

Ion Ratio Lower Upper

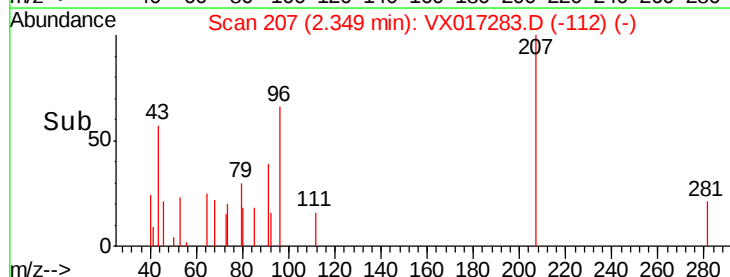
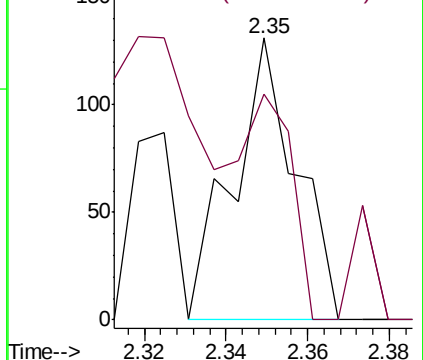
56 100

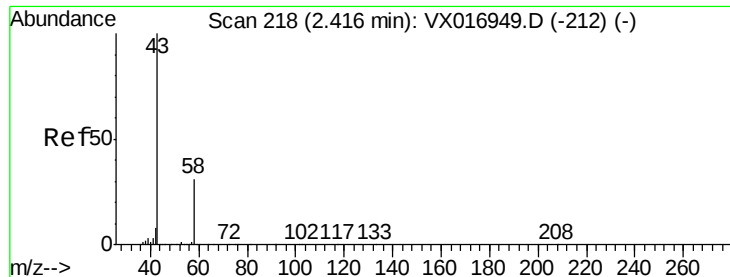
55 69.5 56.2 84.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acetone

Concen: 2.086 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX017283.D

Acq: 09 Jul 2020 02:03

Instrument :

MSVOA_X

ClientSampled :

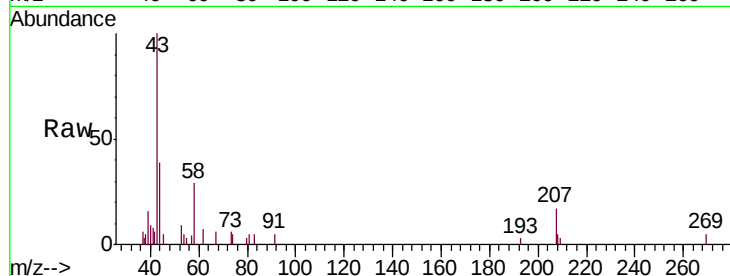
IBLK

Tgt Ion: 58 Resp: 900

Ion Ratio Lower Upper

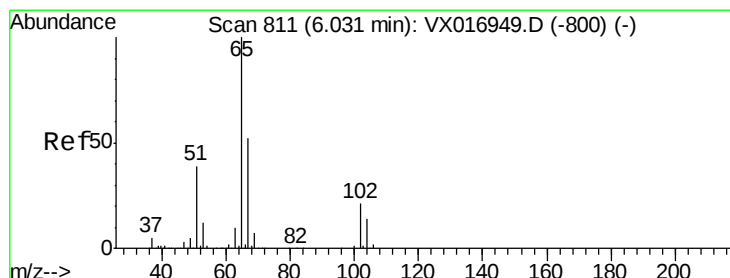
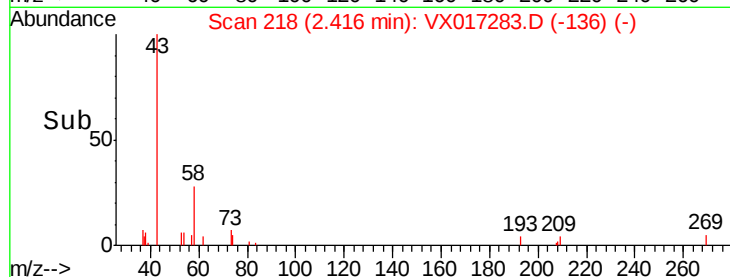
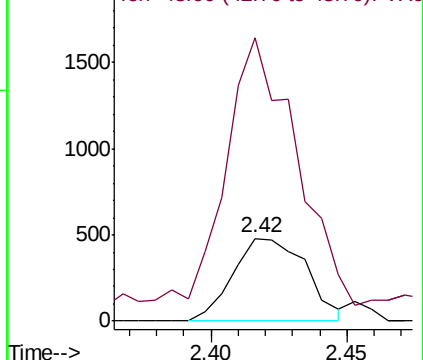
58 100

43 314.4 257.6 386.4



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#27

1,2-Dichloroethane-d4

Concen: 29.025 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX017283.D

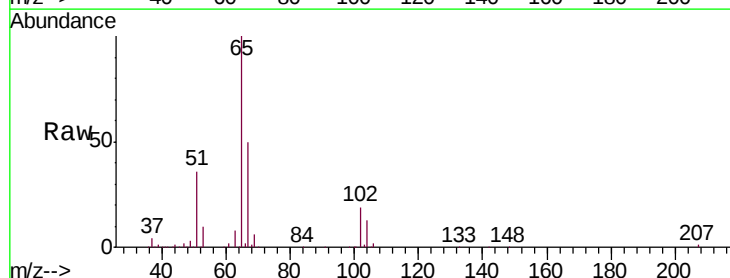
Acq: 09 Jul 2020 02:03

Tgt Ion: 65 Resp: 110099

Ion Ratio Lower Upper

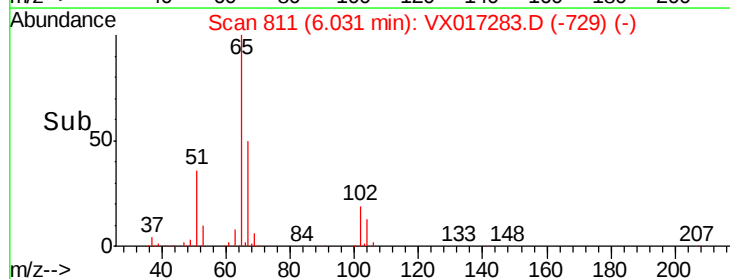
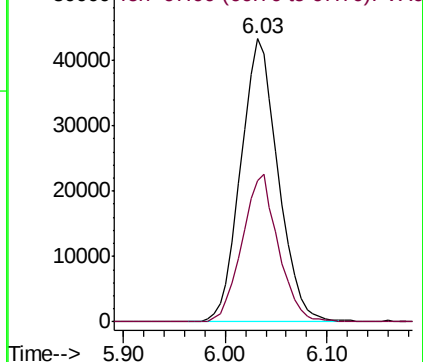
65 100

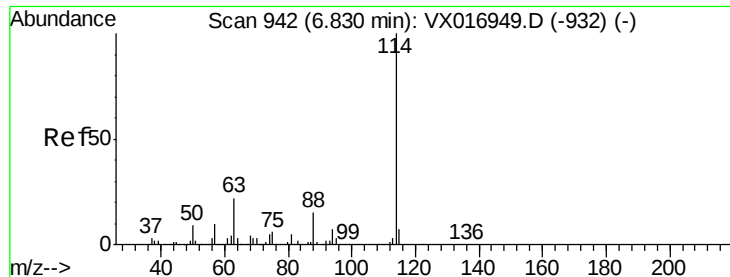
67 50.6 41.5 62.3



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: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017283.D

Acq: 09 Jul 2020 02:03

Instrument :

MSVOA_X

ClientSampleId :

IBLK

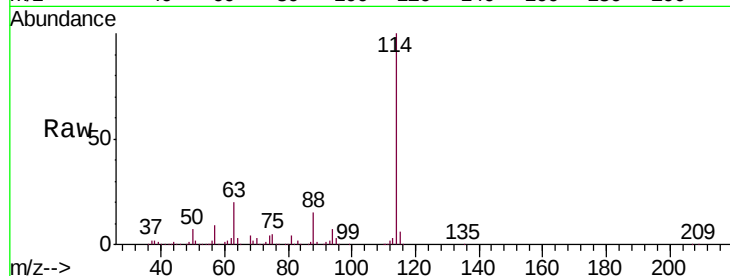
Tgt Ion:114 Resp: 249447

Ion Ratio Lower Upper

114 100

63 20.1 17.4 26.2

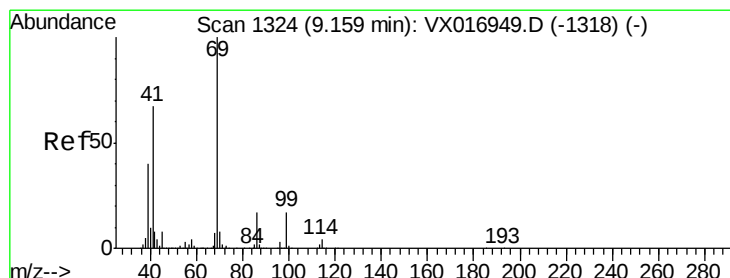
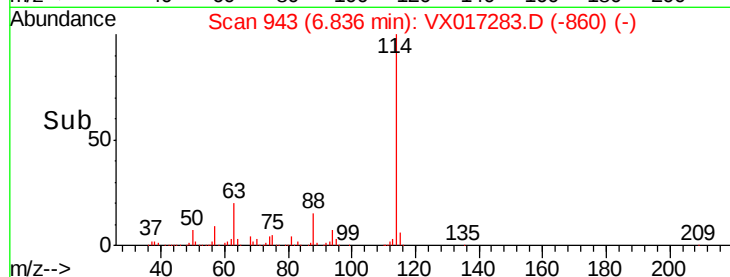
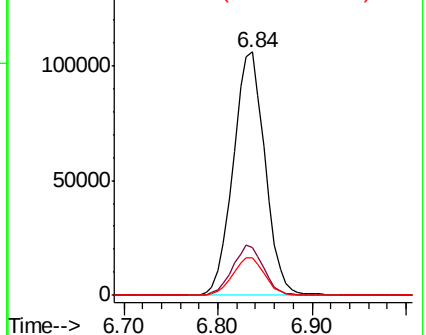
88 15.6 13.0 19.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0



#51

Ethyl methacrylate

Concen: 0.218 ug/l

RT: 8.70 min Scan# 1249

Delta R.T. -0.46 min

Lab File: VX017283.D

Acq: 09 Jul 2020 02:03

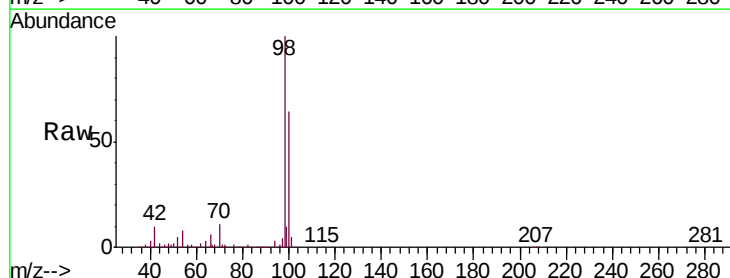
Tgt Ion: 69 Resp: 993

Ion Ratio Lower Upper

69 100

41 77.6 33.7 101.1

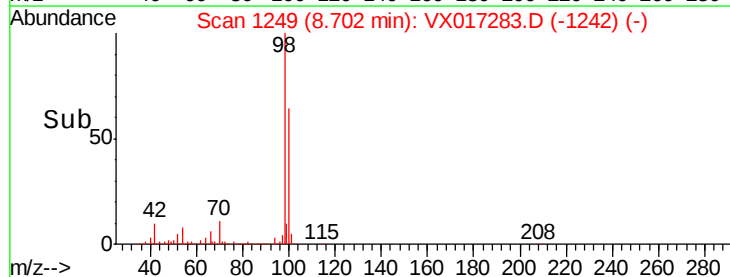
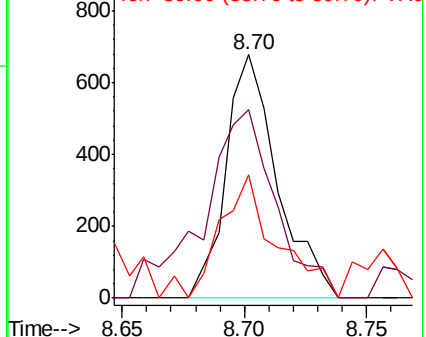
39 50.9 19.9 59.7

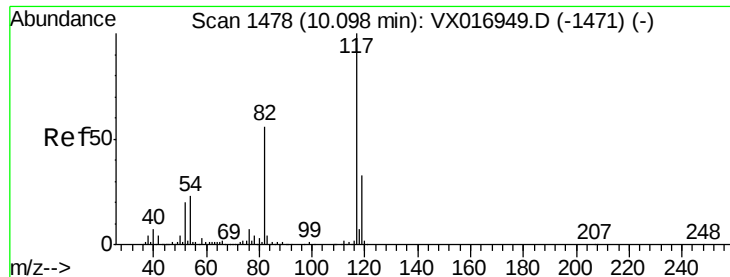


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

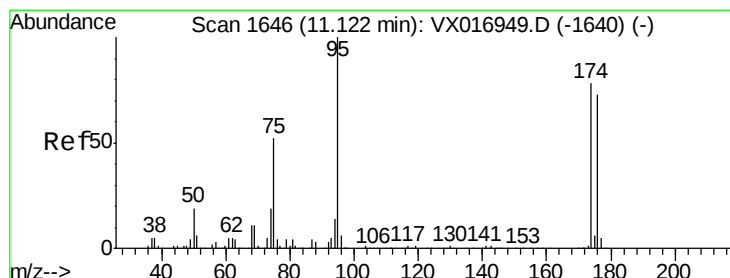
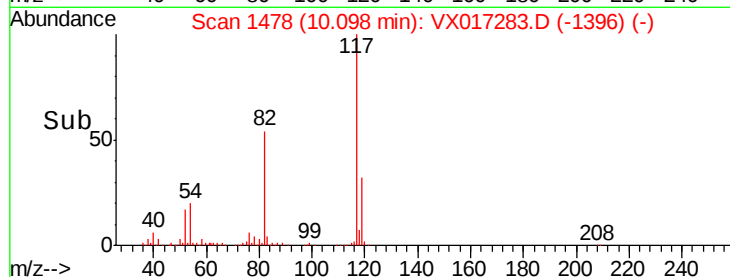
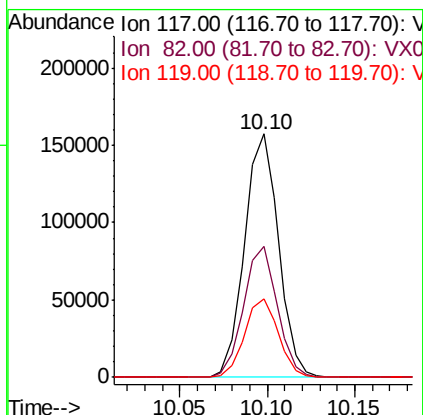
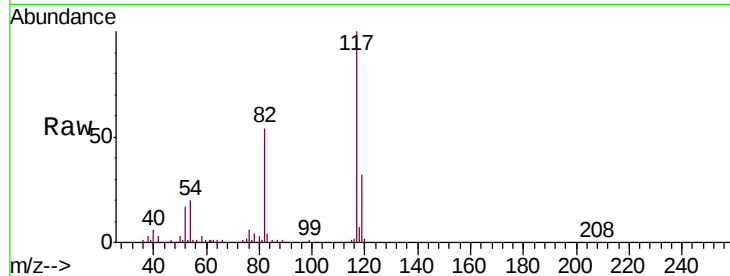




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX017283.D
Acq: 09 Jul 2020 02:03

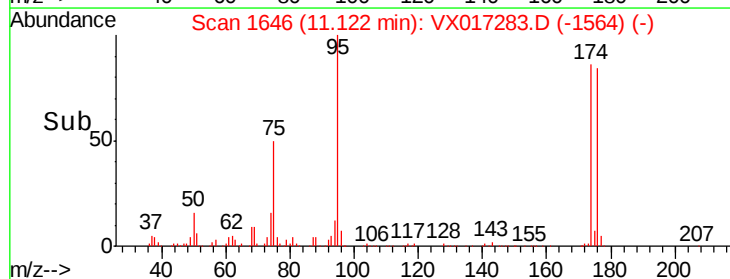
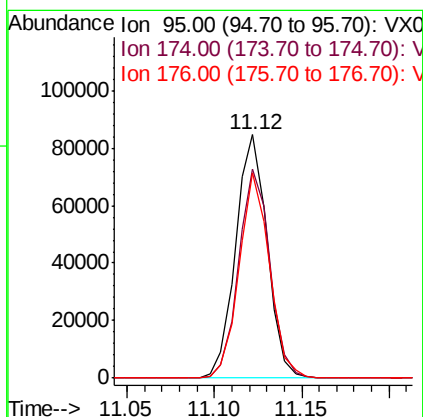
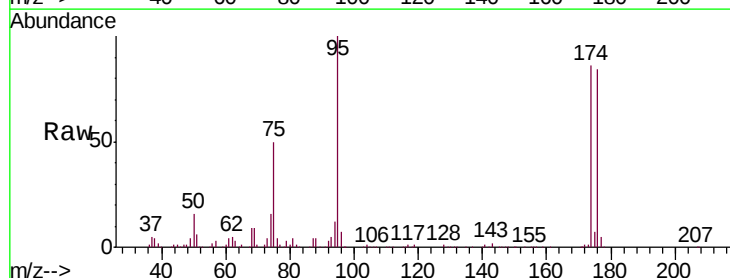
Instrument :
MSVOA_X
ClientSampled :
IBLK

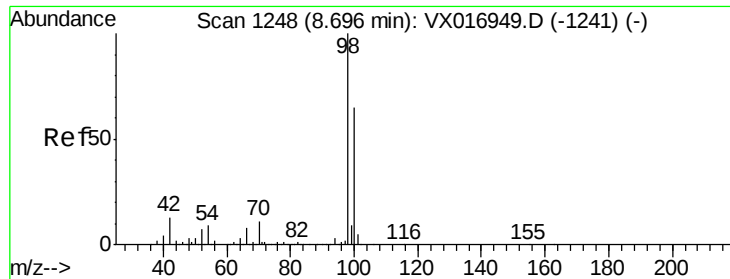
Tgt Ion: 117 Resp: 212667
Ion Ratio Lower Upper
117 100
82 53.4 44.9 67.3
119 32.1 25.8 38.8



#60
4-Bromofluorobenzene
Concen: 29.783 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX017283.D
Acq: 09 Jul 2020 02:03

Tgt Ion: 95 Resp: 105632
Ion Ratio Lower Upper
95 100
174 85.5 62.2 93.4
176 81.5 58.9 88.3





#63

Toluene-d8

Concen: 26.408 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX017283.D

Acq: 09 Jul 2020 02:03

Instrument :

MSVOA_X

ClientSampleId :

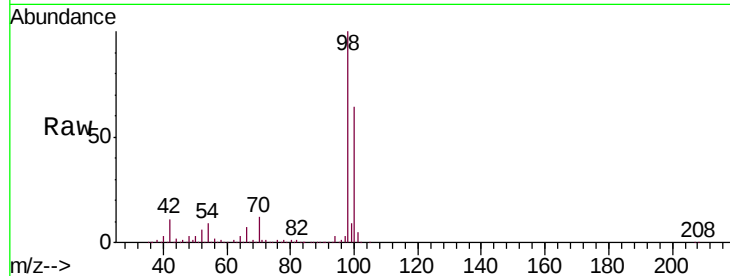
IBLK

Tgt Ion: 98 Resp: 247559

Ion Ratio Lower Upper

98 100

100 65.1 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.70

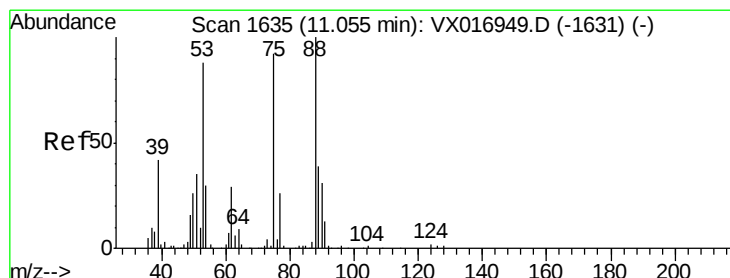
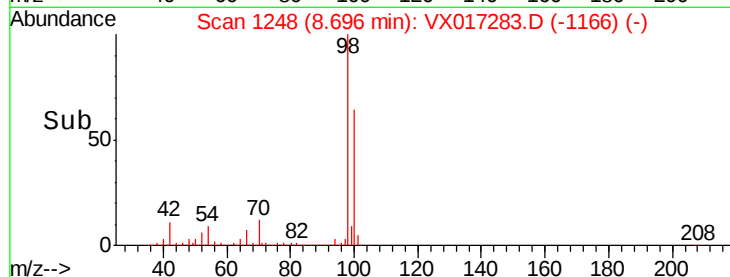
150000

100000

50000

0

Time--> 8.60 8.65 8.70 8.75 8.80



#77

t-1,4-Dichloro-2-butene

Concen: 34.625 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017283.D

Acq: 09 Jul 2020 02:03

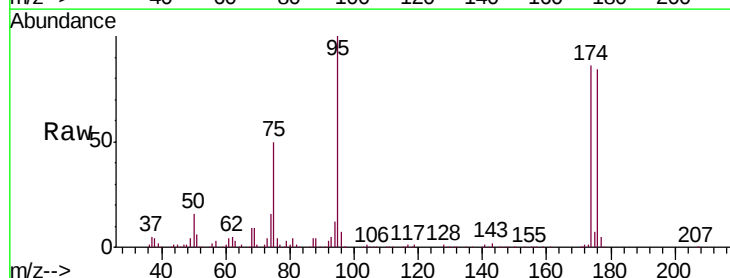
Tgt Ion: 75 Resp: 52466

Ion Ratio Lower Upper

75 100

53 0.2 47.6 142.9#

89 0.1 21.1 63.4#



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

11.12

50000

40000

30000

20000

10000

0

Time--> 11.05 11.10 11.15 11.20

