

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102320\
 Data File : VX019089.D
 Acq On : 23 Oct 2020 20:15
 Operator : JC/SP
 Sample : L4457-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ROOSEVELT-PR-2151

Quant Time: Oct 26 17:14:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Oct 26 03:21:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	40228	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	227710	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	201831	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	82148	30.66	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.20%
60) 4-Bromofluorobenzene	11.12	95	89909	29.68	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.93%
63) Toluene-d8	8.70	98	269978	30.30	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.00%

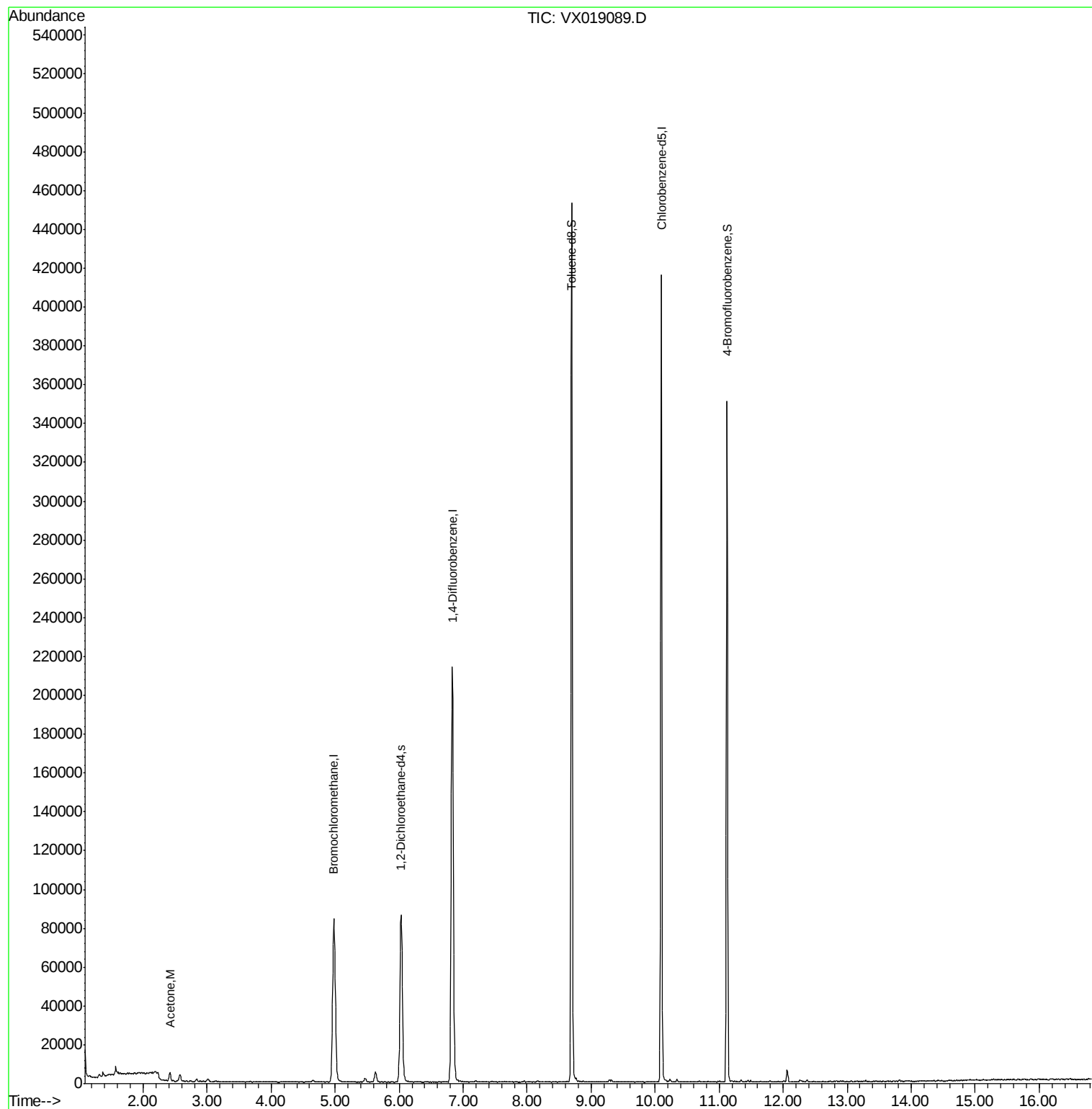
Target Compounds					Ovalue
15) Acetone	2.42	58	1630	6.042 ug/l	98

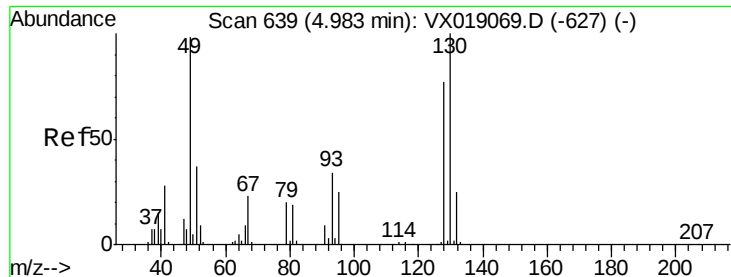
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 639

Delta R.T. -0.00 min

Lab File: VX019089.D

Acq: 23 Oct 2020 20:15

Instrument :

MSVOA_X

ClientSampleId :

ROOSEVELT-PR-2151

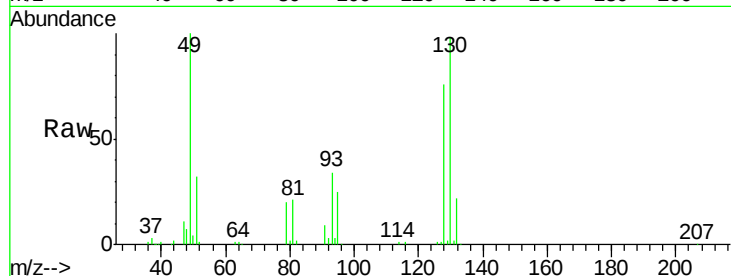
Tot Ion:128 Resp: 40228

Ion Ratio Lower Upper

128 100

49 128.1 0.0 318.8

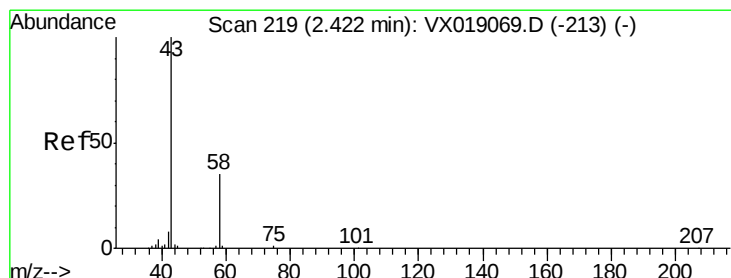
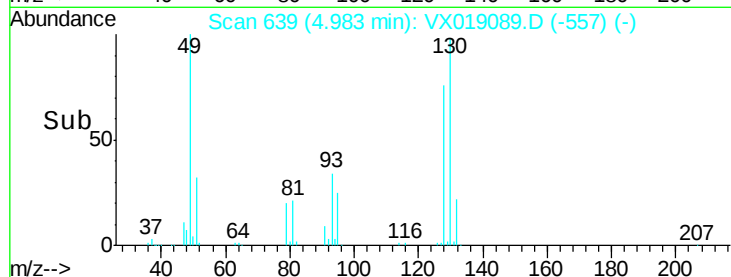
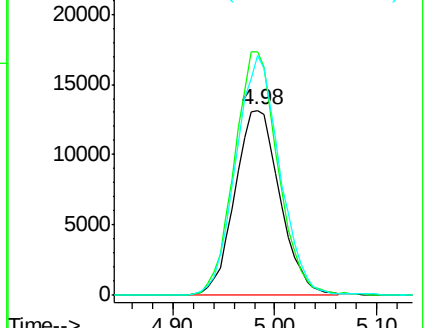
130 126.2 0.0 321.8



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: 6.042 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019089.D

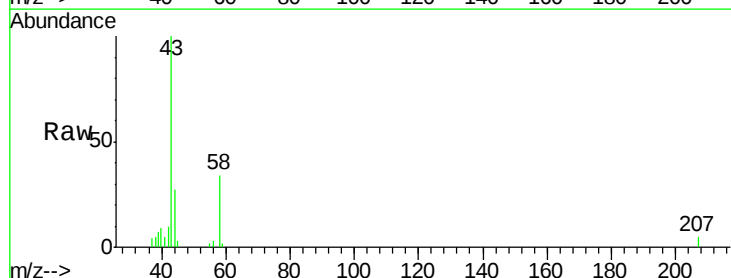
Acq: 23 Oct 2020 20:15

Tgt Ion: 58 Resp: 1630

Ion Ratio Lower Upper

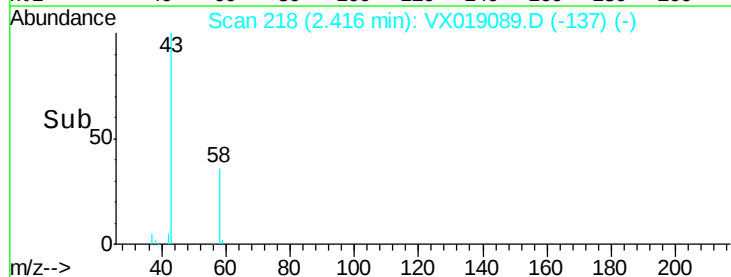
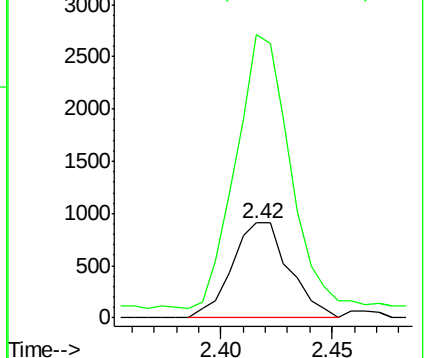
58 100

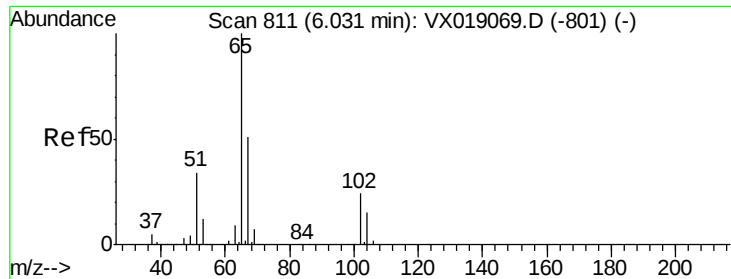
43 286.9 226.7 340.1



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: 30.658 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX019089.D

Acq: 23 Oct 2020 20:15

Instrument :

MSVOA_X

ClientSampleId :

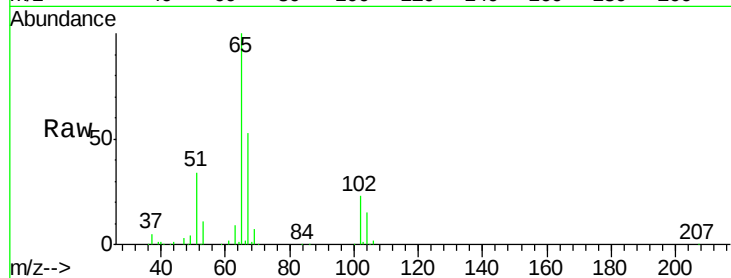
ROOSEVELT-PR-2151

Tot Ion: 65 Resp: 82148

Ion Ratio Lower Upper

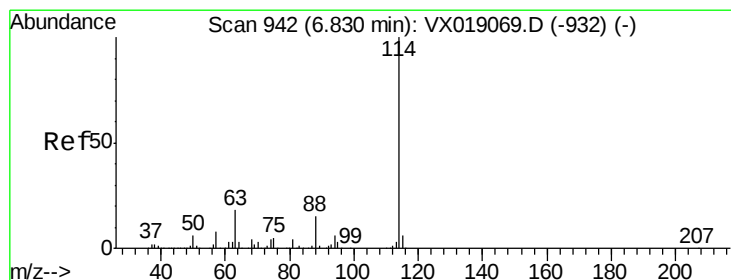
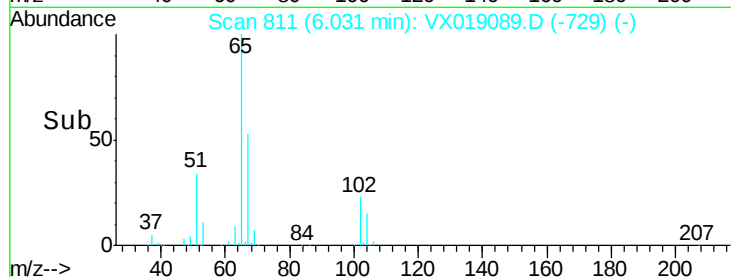
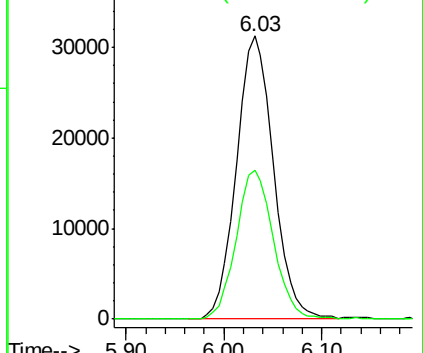
65 100

67 52.6 42.0 63.0



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: VX019089.D

Acq: 23 Oct 2020 20:15

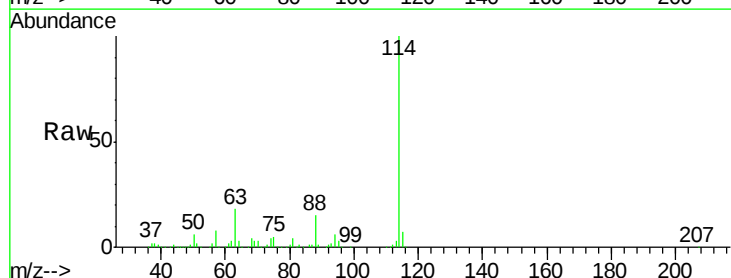
Tgt Ion: 114 Resp: 227710

Ion Ratio Lower Upper

114 100

63 18.2 14.6 21.8

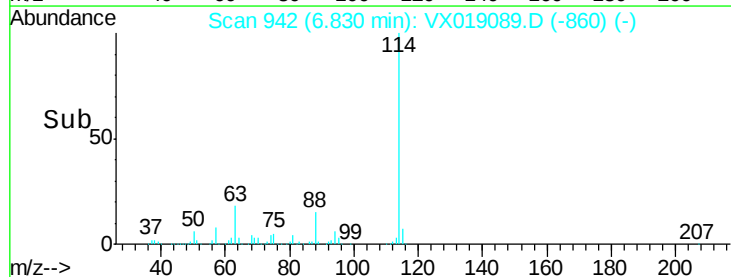
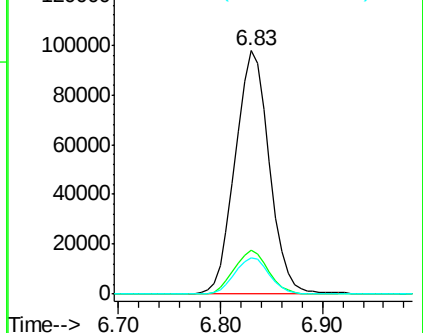
88 15.1 12.2 18.2

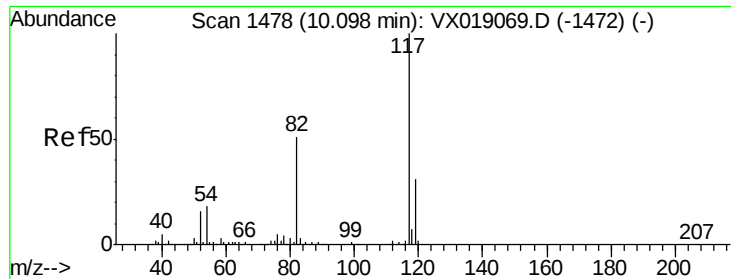


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

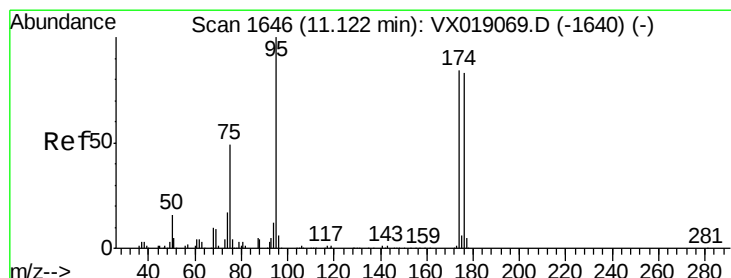
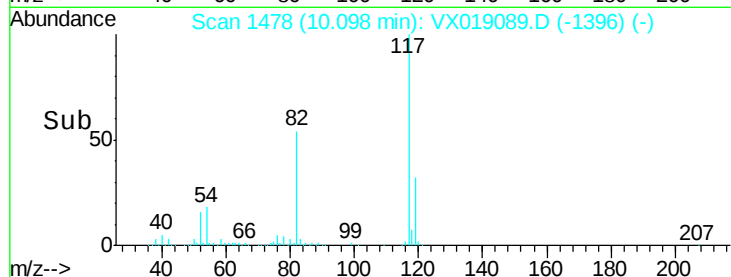
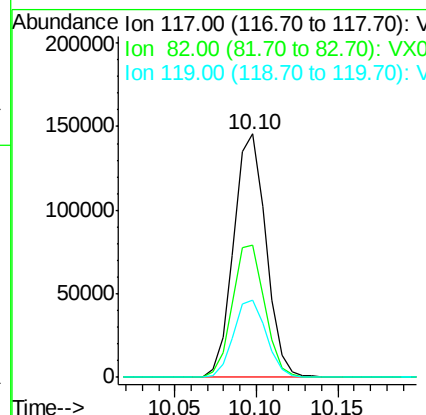
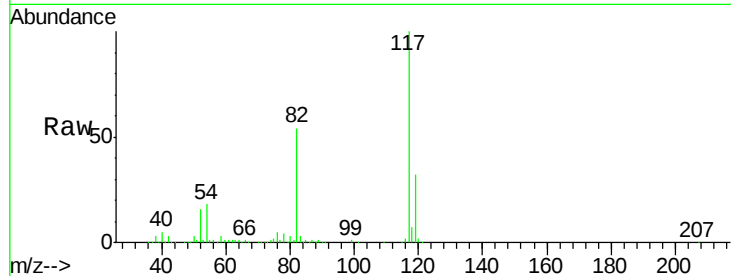




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019089.D
Acq: 23 Oct 2020 20:15

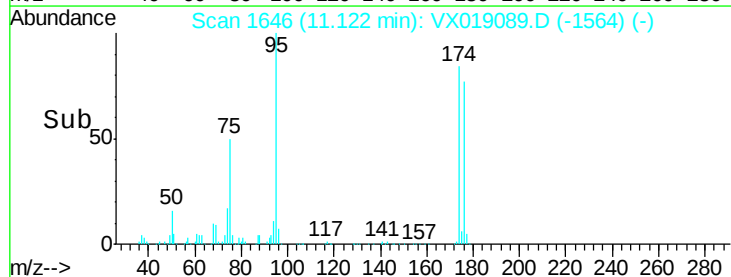
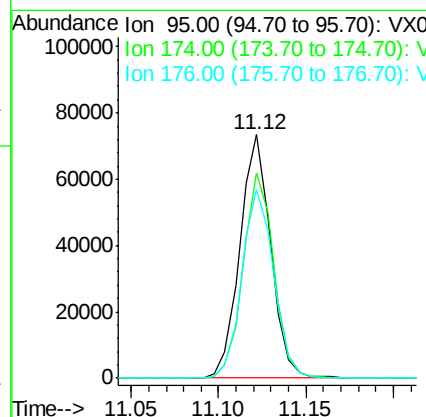
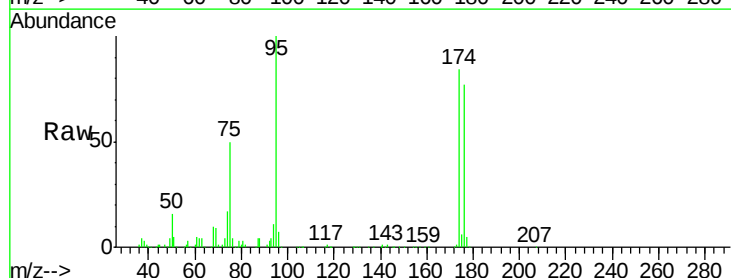
Instrument :
MSVOA_X
ClientSampleId :
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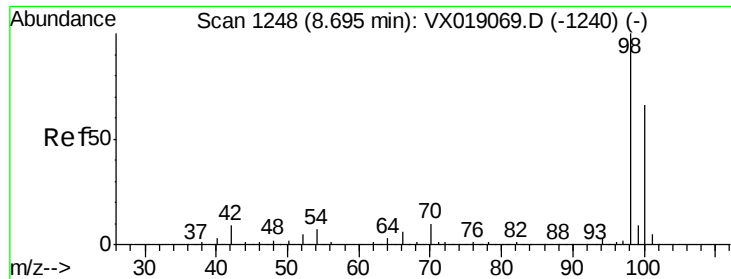
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	42.5	63.7
119	32.1	25.6	38.4



#60
4-Bromofluorobenzene
Concen: 29.680 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX019089.D
Acq: 23 Oct 2020 20:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.6	66.3	99.5
176	79.5	65.5	98.3





#63

Toluene-d8

Concen: 30.297 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019089.D

Acq: 23 Oct 2020 20:15

Instrument :

MSVOA_X

ClientSampleId :

ROOSEVELT-PR-2151

Tot Ion: 98 Resp: 269978

Ion Ratio Lower Upper

98 100

100 64.8 52.2 78.4

