

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102320\
 Data File : VX019081.D
 Acq On : 23 Oct 2020 17:16
 Operator : JC/SP
 Sample : L4473-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-TB-20201019

Quant Time: Oct 26 04:16:42 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	38958	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	220036	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	193642	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	81281	31.32	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.40%
60) 4-Bromofluorobenzene	11.12	95	85859	29.54	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.47%
63) Toluene-d8	8.70	98	259379	30.34	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.13%

Target Compounds

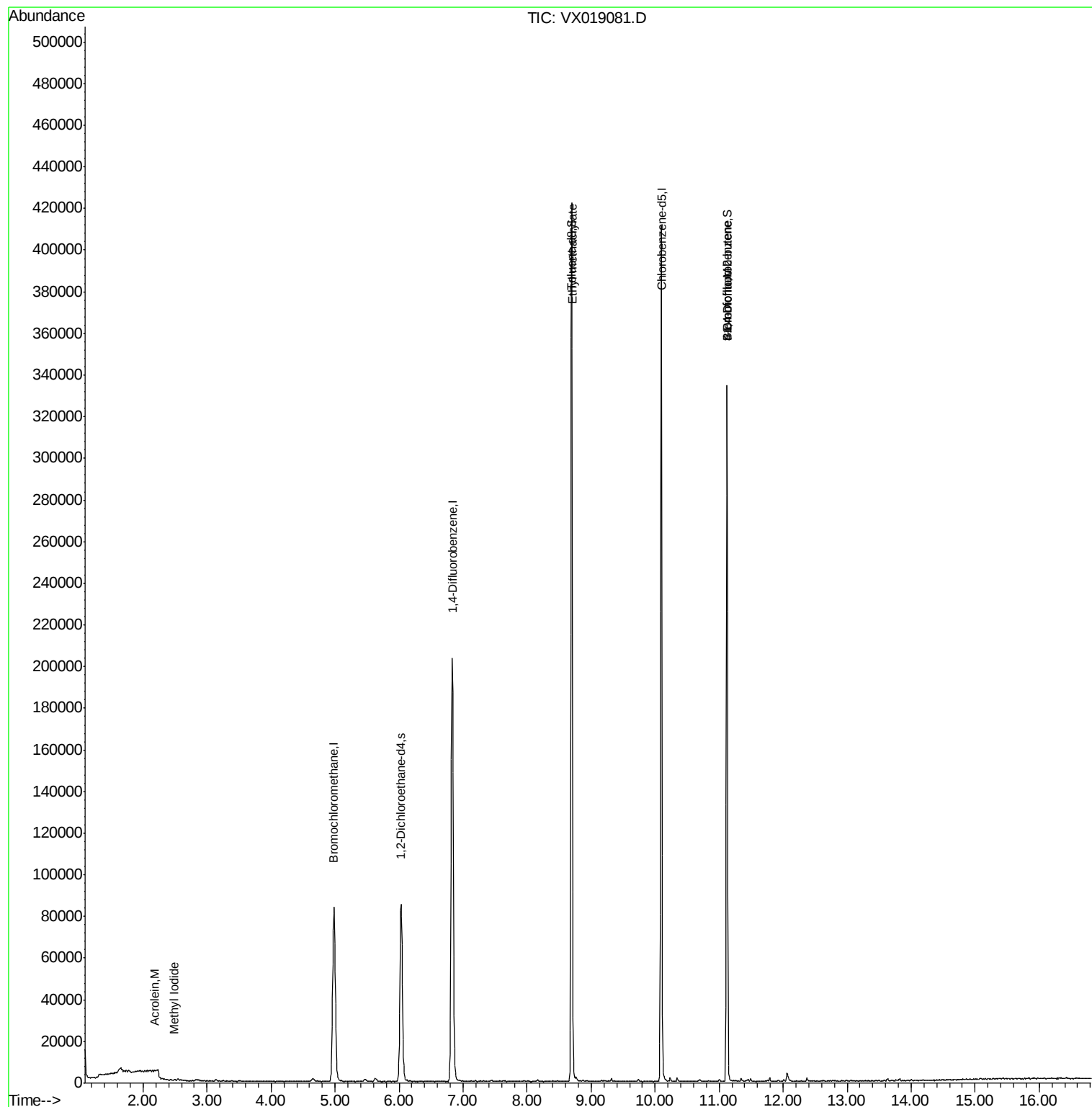
					Ovalue	
11) Methyl Iodide	2.49	142	570	7.563	ug/l #	90
13) Acrolein	2.18	56	205	1.147	ug/l	95
51) Ethyl methacrylate	8.71	69	867	0.249	ug/l #	85
56) Bromoform	11.12	173	654	0.353	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.12	75	44033	39.138	ug/l #	16

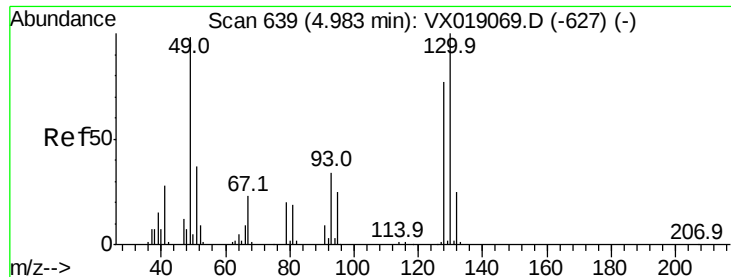
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX019081.D

Acq: 23 Oct 2020 17:16

Instrument :

MSVOA_X

ClientSampleId :

TT-TB-20201019

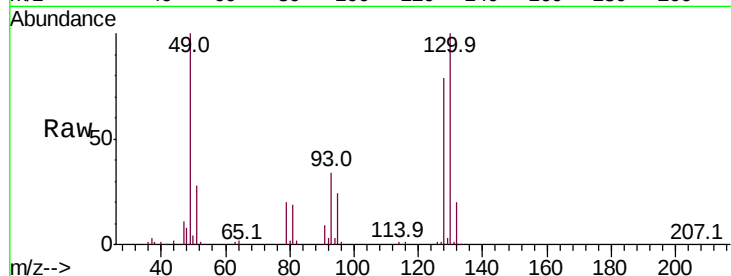
Tot Ion:128 Resp: 38958

Ion Ratio Lower Upper

128 100

49 131.8 0.0 318.8

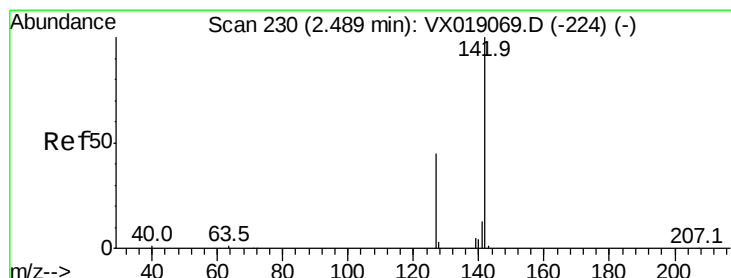
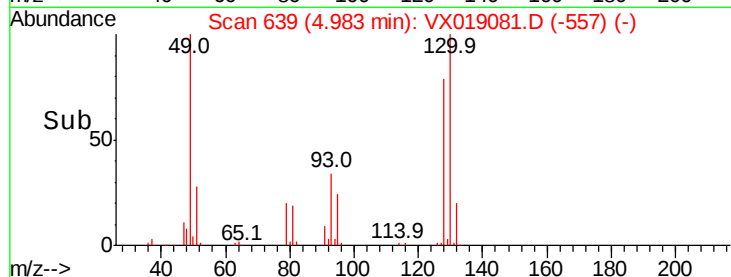
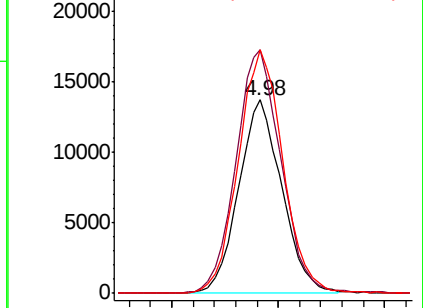
130 130.6 0.0 321.8



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



#11

Methyl Iodide

Concen: 7.563 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX019081.D

Acq: 23 Oct 2020 17:16

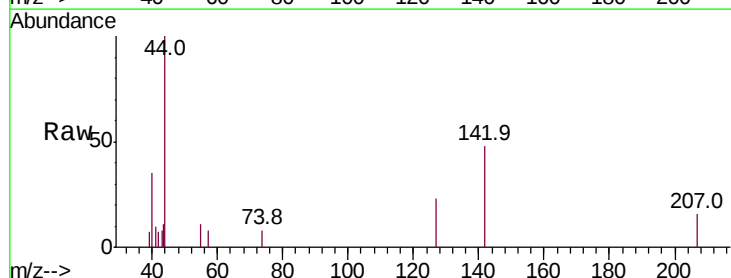
Tgt Ion:142 Resp: 570

Ion Ratio Lower Upper

142 100

127 47.7 22.6 67.7

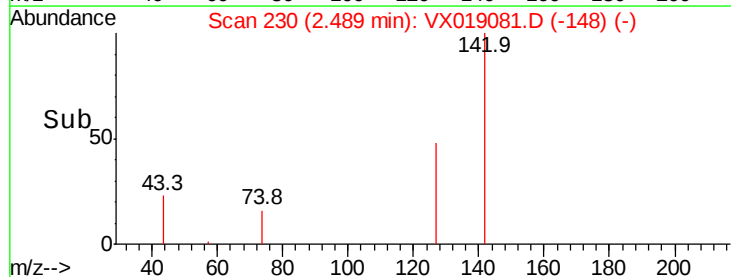
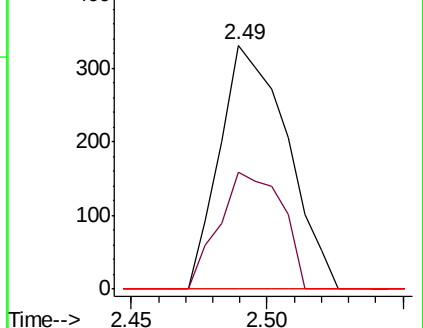
141 0.0 6.3 19.1#

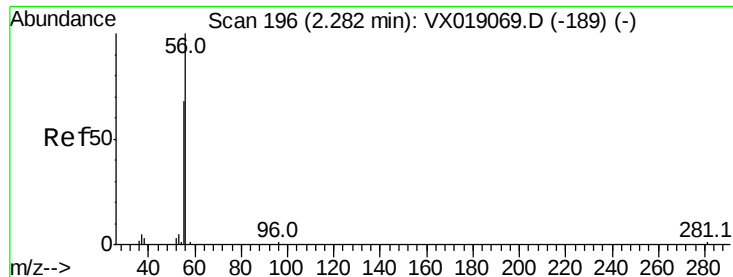


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V





#13

Acrolein

Concen: 1.147 ug/l

RT: 2.18 min Scan# 179

Delta R.T. -0.10 min

Lab File: VX019081.D

Acq: 23 Oct 2020 17:16

Instrument :

MSVOA_X

ClientSampleId :

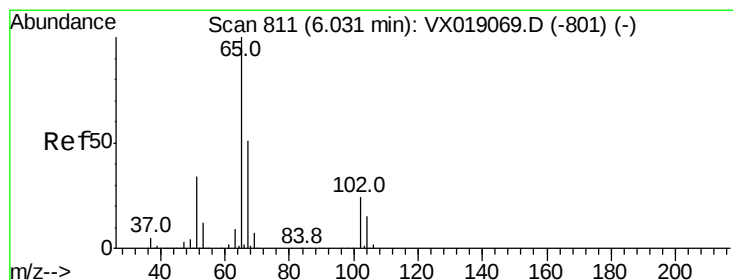
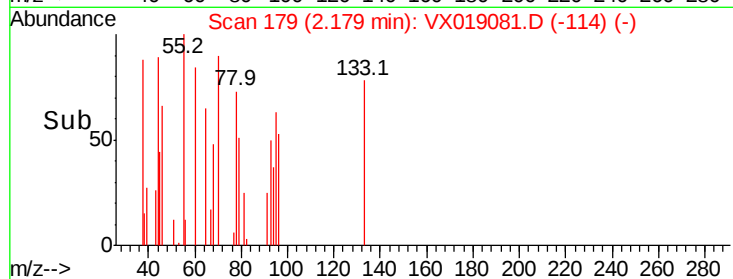
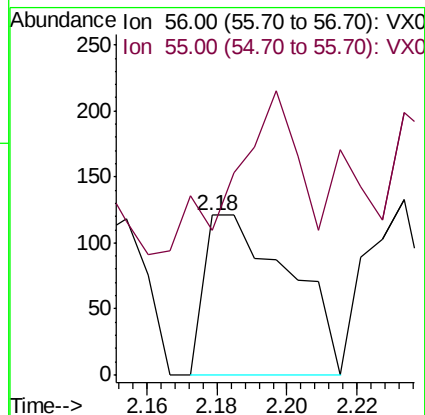
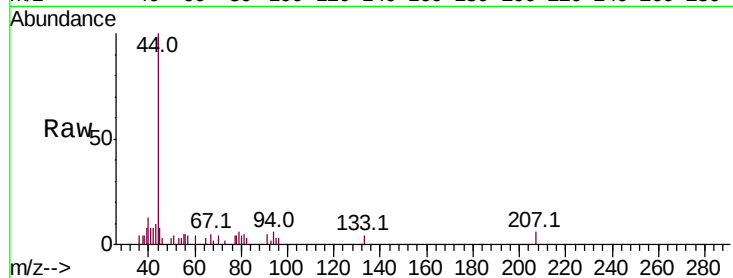
TT-TB-20201019

Tot Ion: 56 Resp: 205

Ion Ratio Lower Upper

56 100

55 76.6 58.2 87.2



#27

1,2-Dichloroethane-d4

Concen: 31.324 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX019081.D

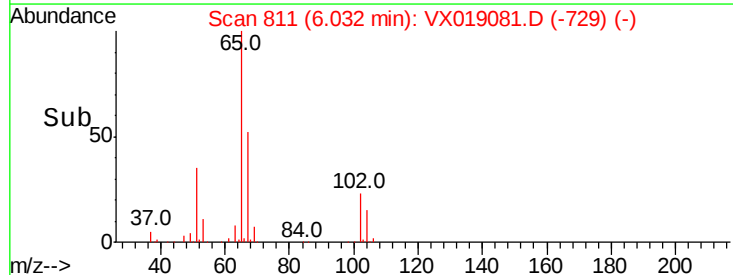
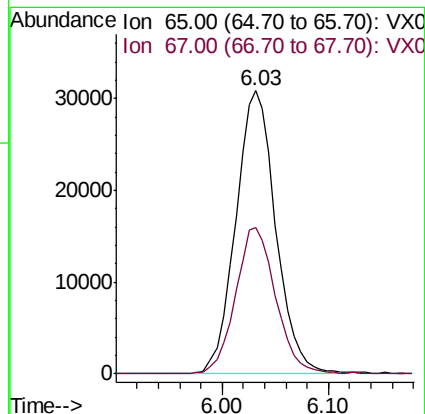
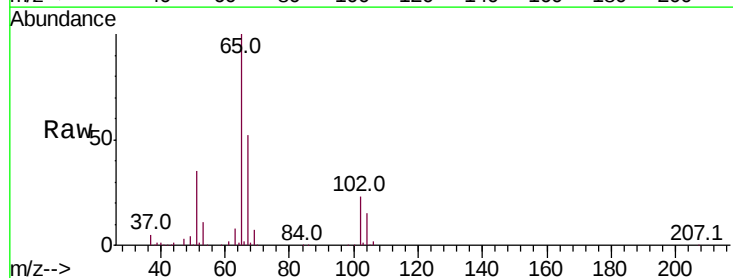
Acq: 23 Oct 2020 17:16

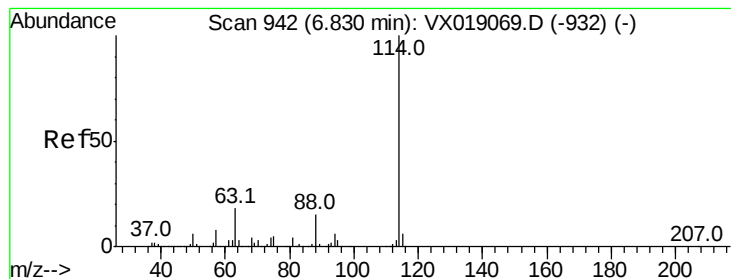
Tgt Ion: 65 Resp: 81281

Ion Ratio Lower Upper

65 100

67 51.9 42.0 63.0





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX019081.D

Acq: 23 Oct 2020 17:16

Instrument :

MSVOA_X

ClientSampleId :

TT-TB-20201019

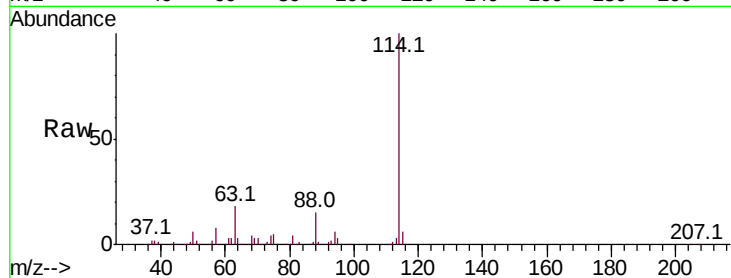
Tot Ion:114 Resp: 220036

Ion Ratio Lower Upper

114 100

63 18.1 14.6 21.8

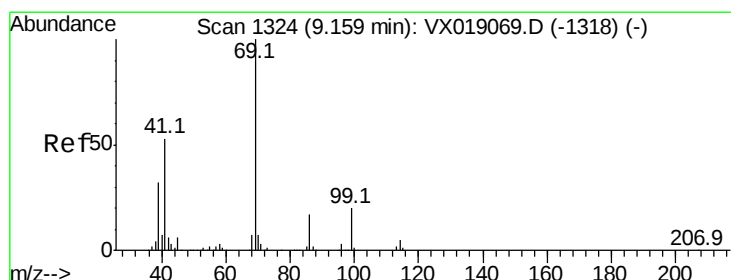
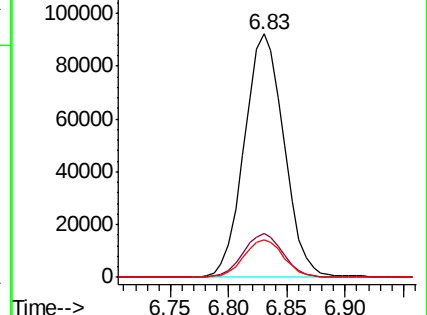
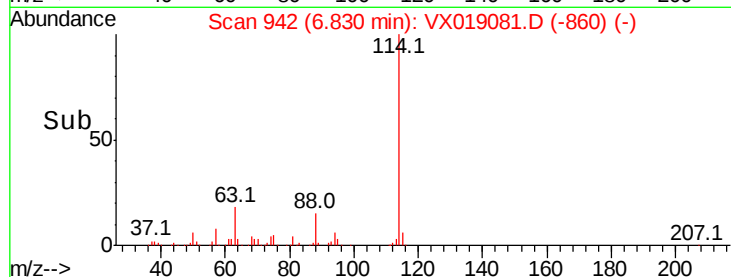
88 15.5 12.2 18.2



Abundance Ion 114.00 (113.70 to 114.70): VX0

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0



#51

Ethyl methacrylate

Concen: 0.249 ug/l

RT: 8.71 min Scan# 1250

Delta R.T. -0.45 min

Lab File: VX019081.D

Acq: 23 Oct 2020 17:16

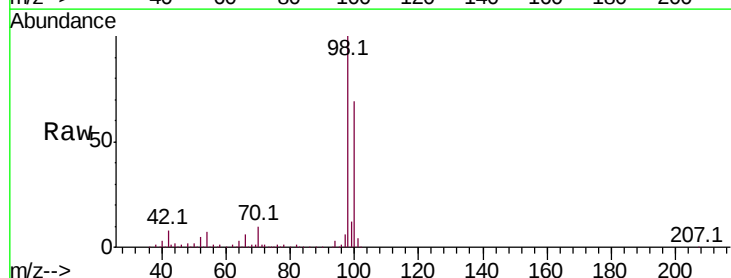
Tgt Ion: 69 Resp: 867

Ion Ratio Lower Upper

69 100

41 56.6 26.5 79.4

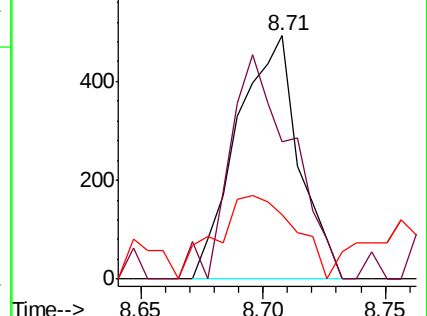
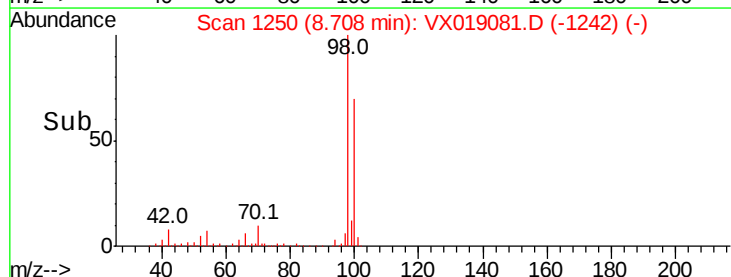
39 15.0 16.2 48.6#

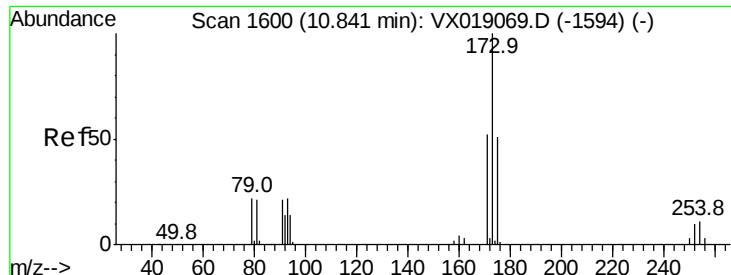


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

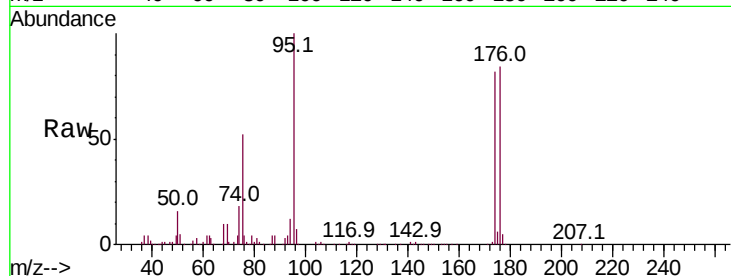




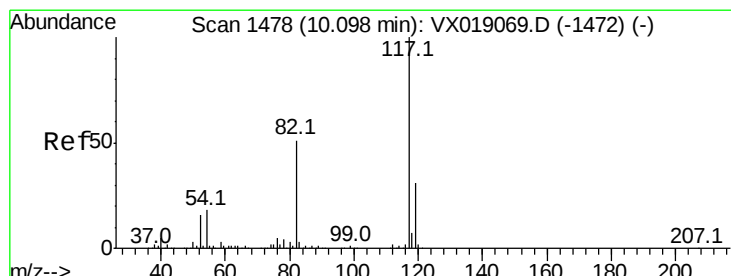
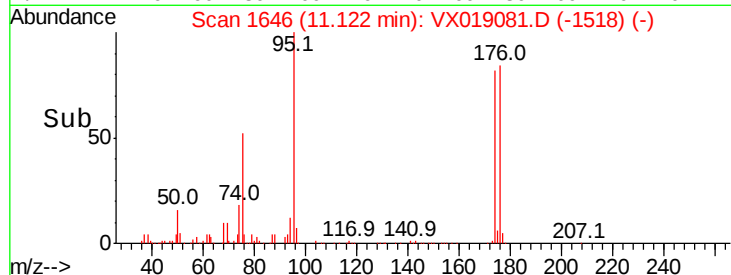
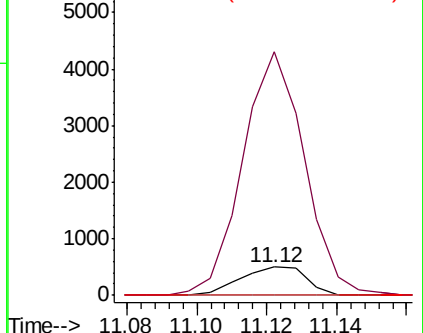
#56
Bromoform
Concen: 0.353 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.28 min
Lab File: VX019081.D
Acq: 23 Oct 2020 17:16

Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20201019

Tot Ion:173 Resp: 654
Ion Ratio Lower Upper
173 100
175 810.9 39.6 59.4#
254 0.0 8.6 13.0#

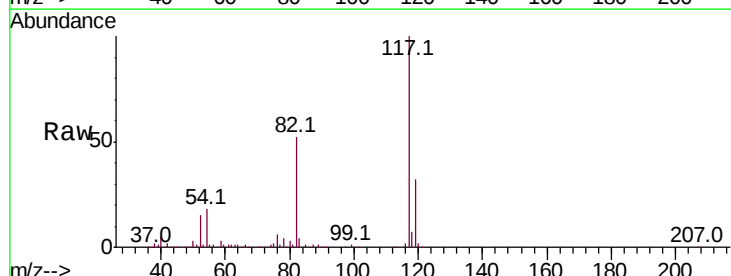


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

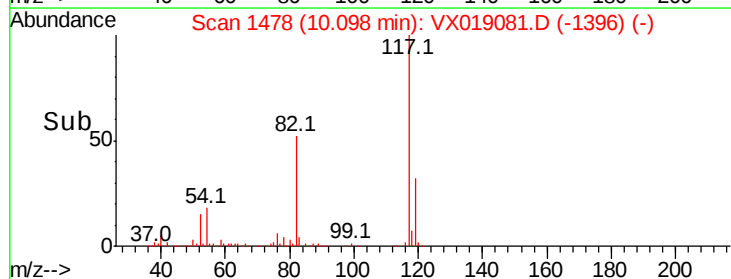
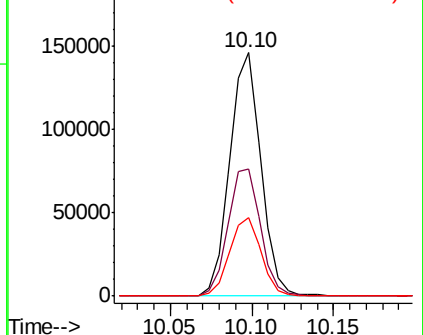


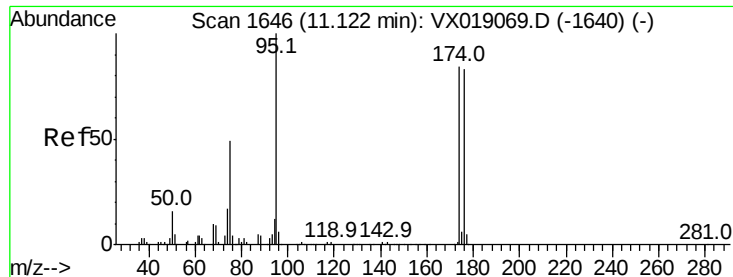
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX019081.D
Acq: 23 Oct 2020 17:16

Tgt Ion:117 Resp: 193642
Ion Ratio Lower Upper
117 100
82 54.3 42.5 63.7
119 32.7 25.6 38.4



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): V

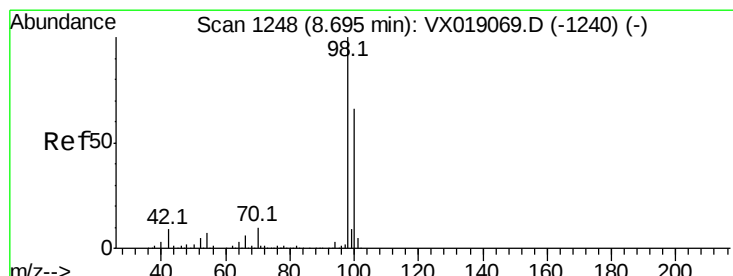
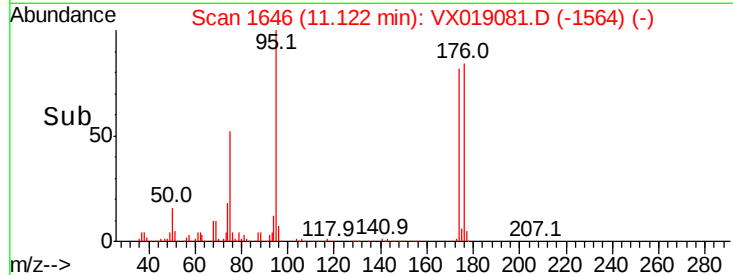
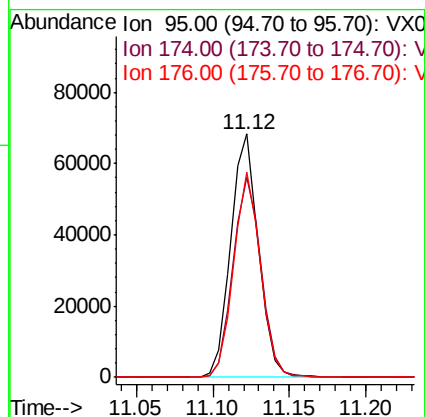
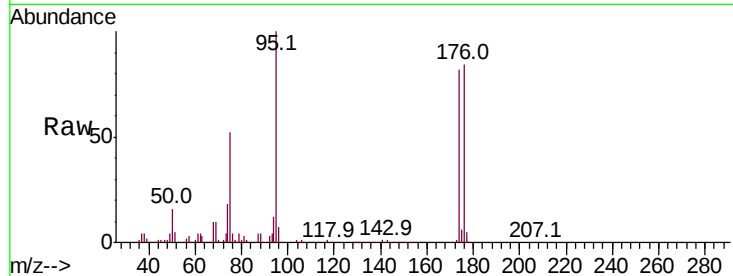




#60
4-Bromofluorobenzene
Concen: 29.541 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX019081.D
Acq: 23 Oct 2020 17:16

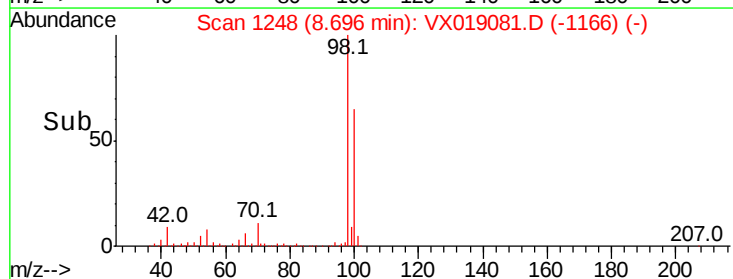
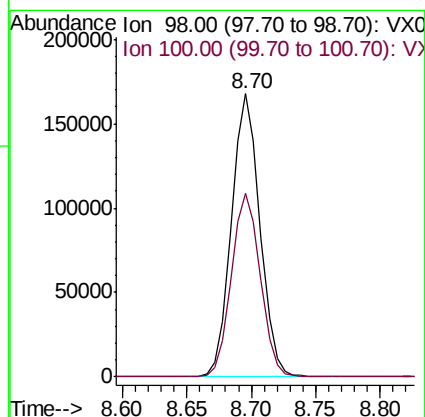
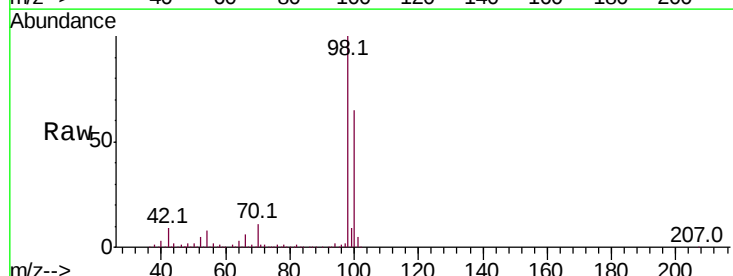
Instrument :
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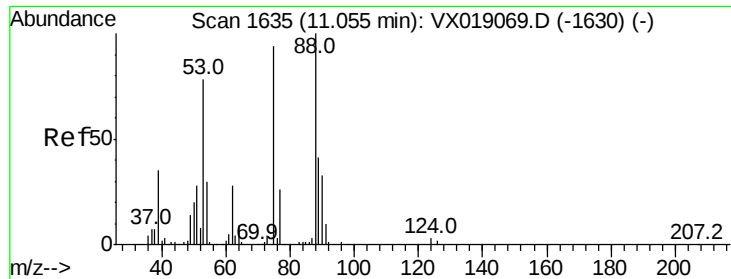
Tot Ion	Ratio	Lower	Upper
95	100		
174	82.9	66.3	99.5
176	81.3	65.5	98.3



#63
Toluene-d8
Concen: 30.338 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019081.D
Acq: 23 Oct 2020 17:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.2	78.4





#77
t-1,4-Dichloro-2-butene
Concen: 39.138 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.07 min
Lab File: VX019081.D
Acq: 23 Oct 2020 17:16

Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20201019

Tot Ion: 75 Resp: 44033
Ion Ratio Lower Upper
75 100
53 0.0 41.6 124.8#
89 0.0 21.8 65.3#

