

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102320\
 Data File : VX019080.D
 Acq On : 23 Oct 2020 16:54
 Operator : JC/SP
 Sample : L4490-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 201021001-10-TRIP-BLANK

Quant Time: Oct 26 04:16:30 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	39970	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	225496	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	198936	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	82527	31.00	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.33%
60) 4-Bromofluorobenzene	11.12	95	89051	29.82	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	99.40%
63) Toluene-d8	8.70	98	263921	30.05	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.17%

Target Compounds

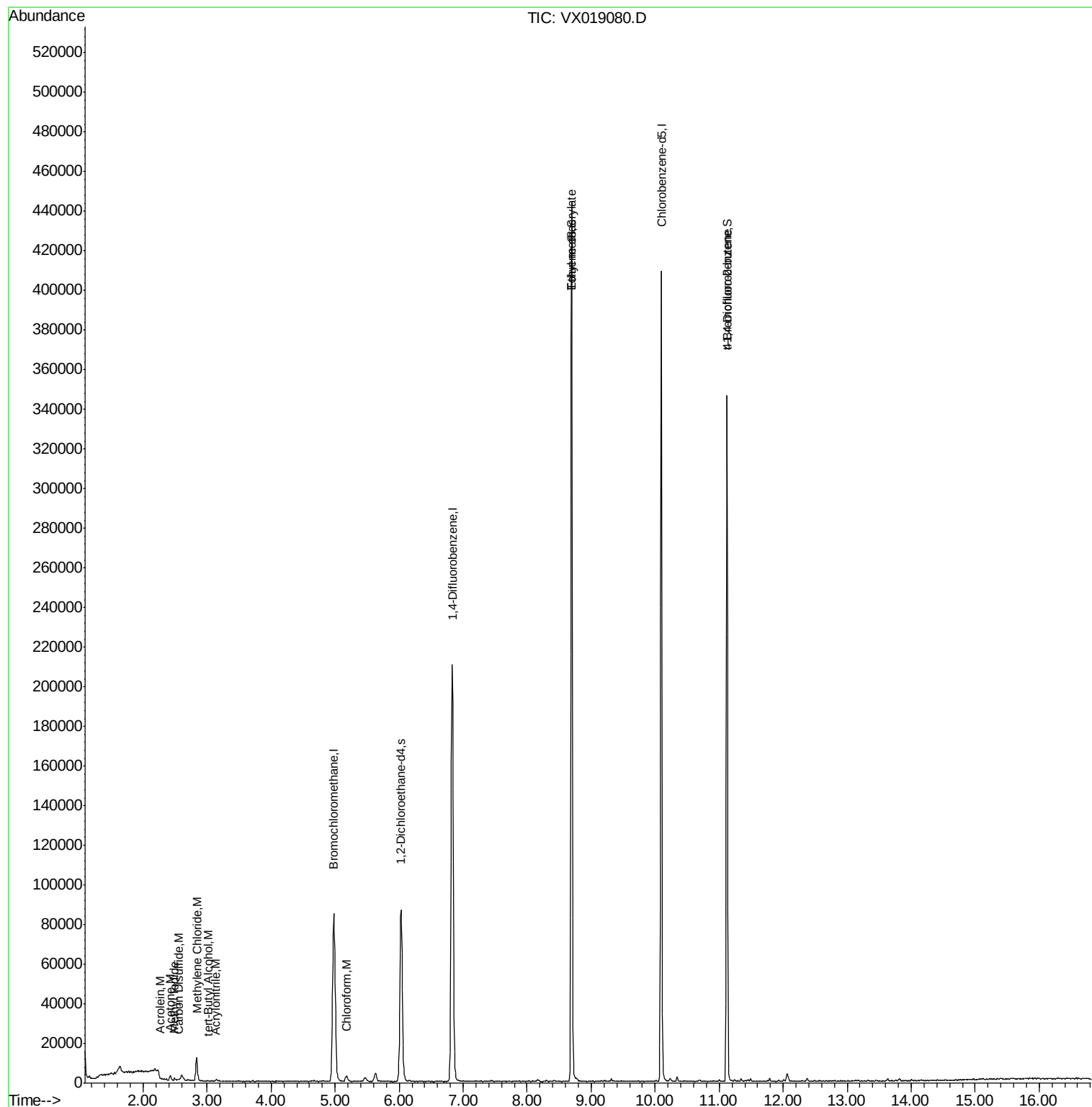
					Ovalue
11) Methyl Iodide	2.49	142	1104	7.760 ug/l	95
13) Acrolein	2.28	56	108	0.589 ug/l	87
14) Acrylonitrile	3.12	53	233	0.249 ug/l #	64
15) Acetone	2.43	58	922	3.439 ug/l #	65
16) Carbon Disulfide	2.55	76	1152	0.206 ug/l #	85
18) Methylene Chloride	2.84	84	5983	2.607 ug/l	91
23) tert-Butyl Alcohol	3.02	59	128	0.282 ug/l #	100
25) Chloroform	5.18	83	3039	0.734 ug/l #	78
51) Ethyl methacrylate	8.70	69	855	0.240 ug/l	85
77) t-1,4-Dichloro-2-butene	11.12	75	43679	37.790 ug/l #	16

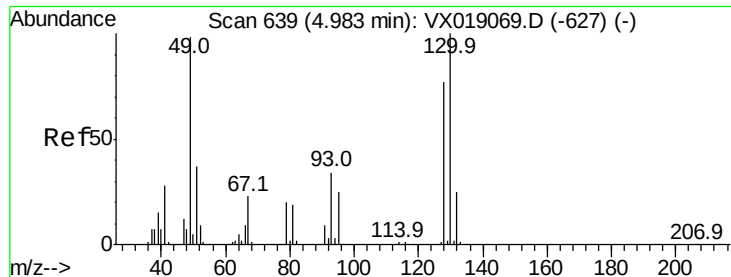
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102320\
Data File : VX019080.D
Acq On : 23 Oct 2020 16:54
Operator : JC/SP
Sample : L4490-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
201021001-10-TRIP-BLANK

Quant Time: Oct 26 04:16:30 2020
Quant Method : Z:\V0ASRV\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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 639

Delta R.T. 0.00 min

Lab File: VX019080.D

Acq: 23 Oct 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

201021001-10-TRIP-BLANK

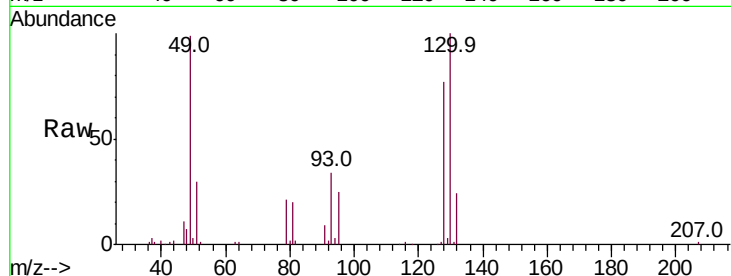
Tot Ion:128 Resp: 39970

Ion Ratio Lower Upper

128 100

49 129.5 0.0 318.8

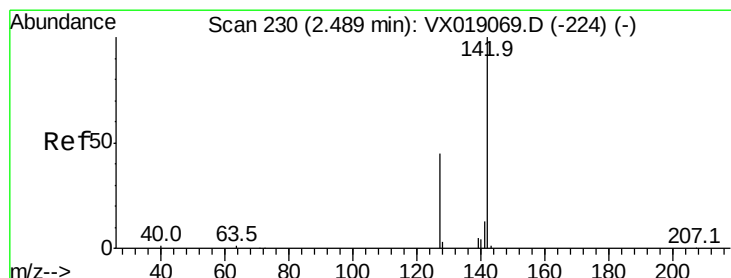
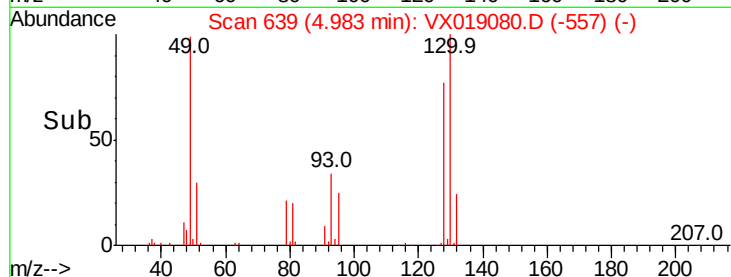
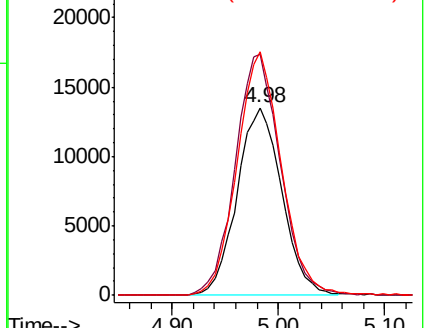
130 127.6 0.0 321.8



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: 7.760 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX019080.D

Acq: 23 Oct 2020 16:54

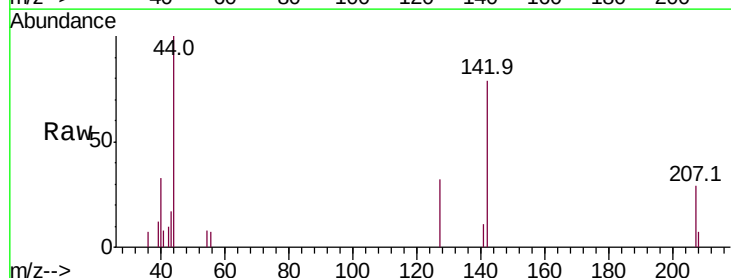
Tgt Ion:142 Resp: 1104

Ion Ratio Lower Upper

142 100

127 40.9 22.6 67.7

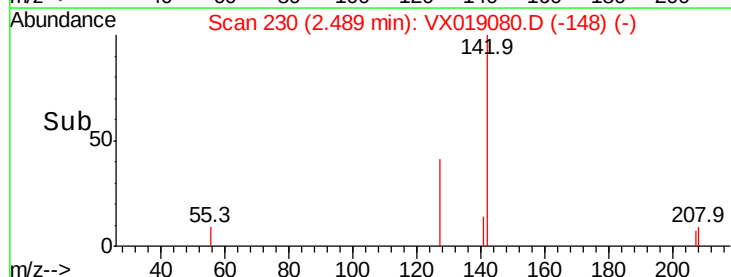
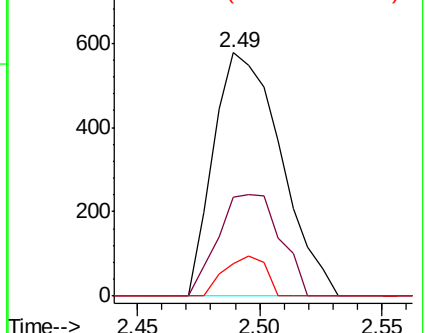
141 13.5 6.3 19.1

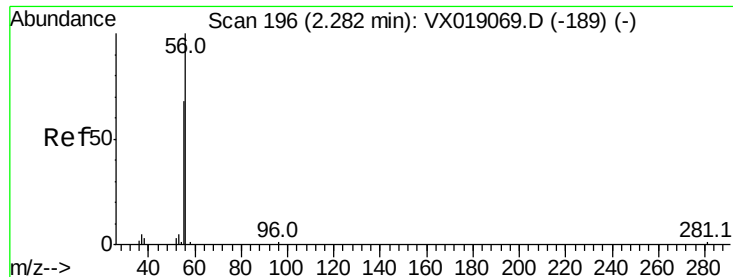


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V





#13

Acrolein

Concen: 0.589 ug/l

RT: 2.28 min Scan# 195

Delta R.T. -0.01 min

Lab File: VX019080.D

Acq: 23 Oct 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

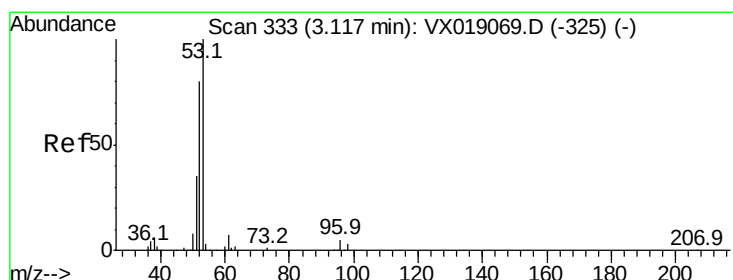
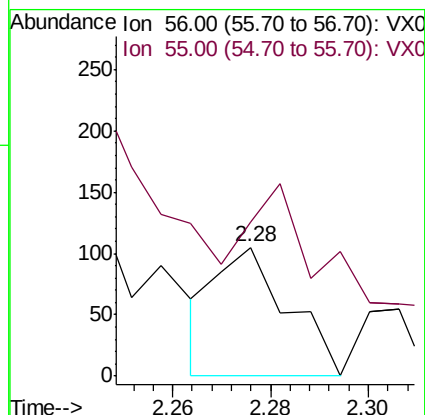
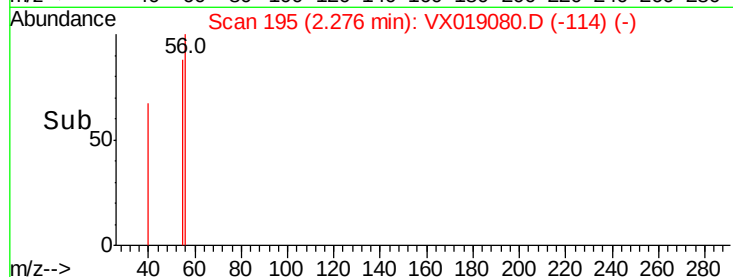
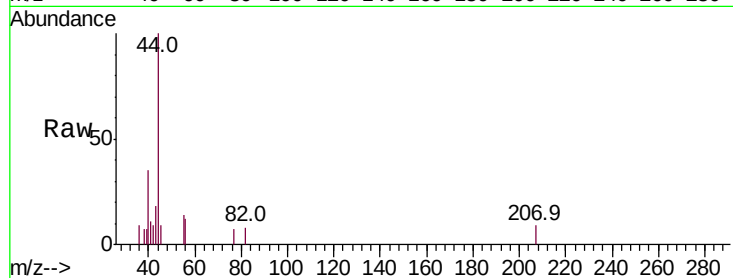
201021001-10-TRIP-BLANK

Tot Ion: 56 Resp: 108

Ion Ratio Lower Upper

56 100

55 83.3 58.2 87.2



#14

Acrylonitrile

Concen: 0.249 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX019080.D

Acq: 23 Oct 2020 16:54

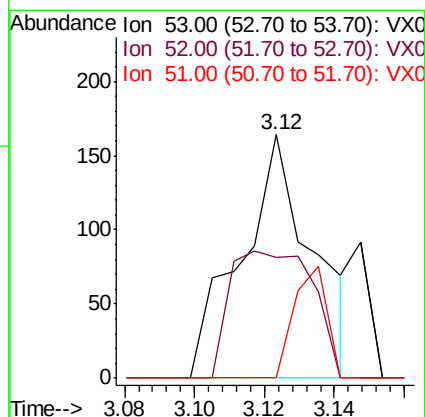
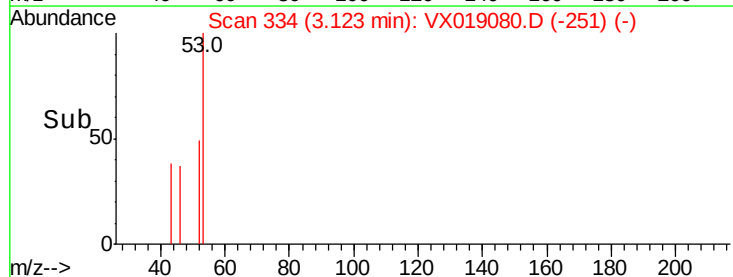
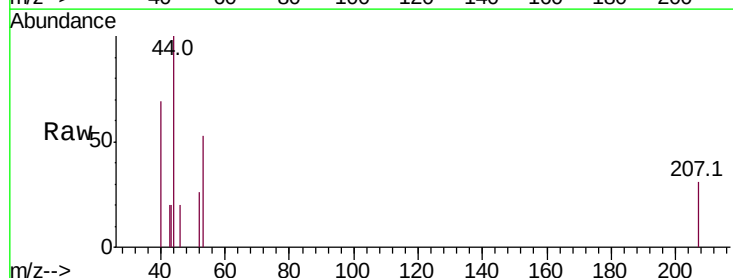
Tgt Ion: 53 Resp: 233

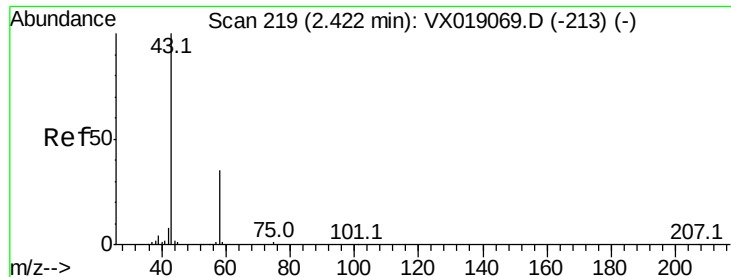
Ion Ratio Lower Upper

53 100

52 60.5 41.0 123.0

51 0.0 18.2 54.6#





#15

Acetone

Concen: 3.439 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX019080.D

Acq: 23 Oct 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

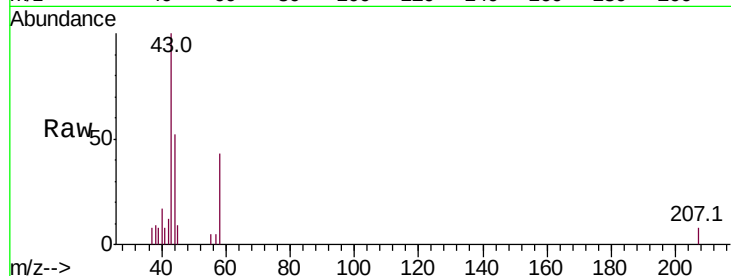
201021001-10-TRIP-BLANK

Tot Ion: 58 Resp: 922

Ion Ratio Lower Upper

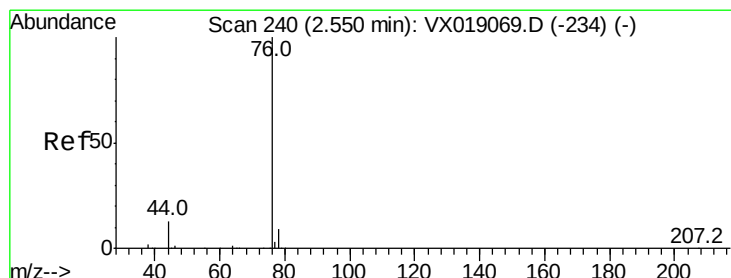
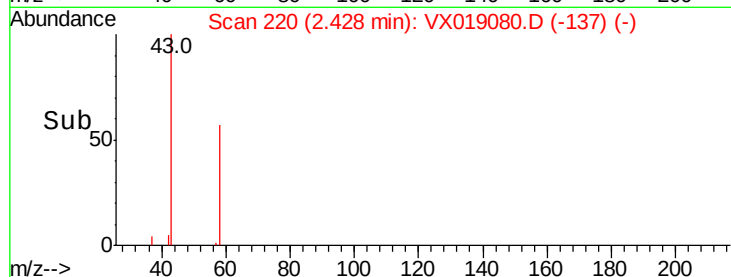
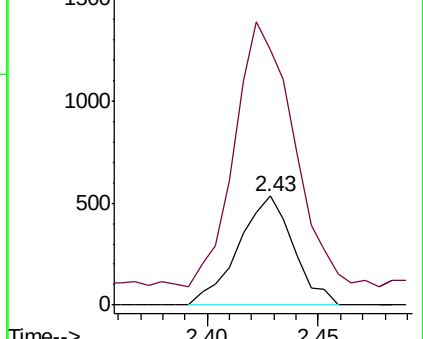
58 100

43 217.8 226.7 340.1#



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 0.206 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019080.D

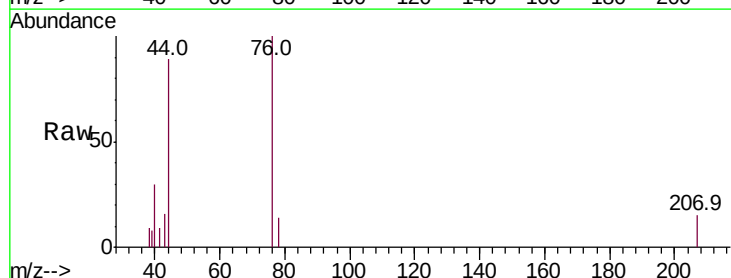
Acq: 23 Oct 2020 16:54

Tgt Ion: 76 Resp: 1152

Ion Ratio Lower Upper

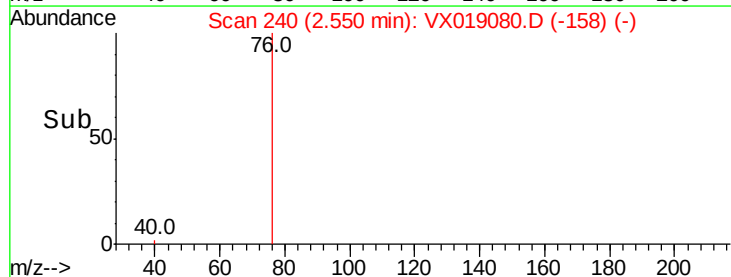
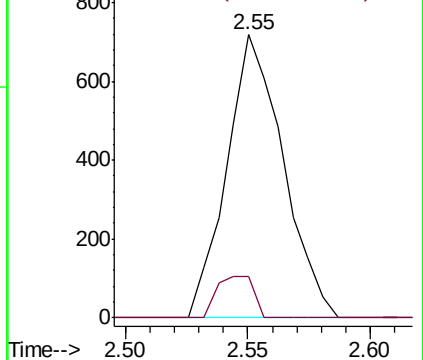
76 100

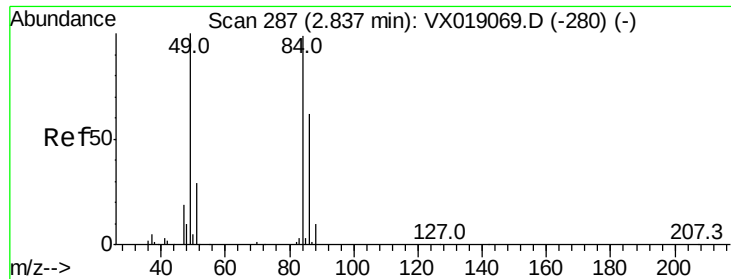
78 14.5 7.2 10.8#



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

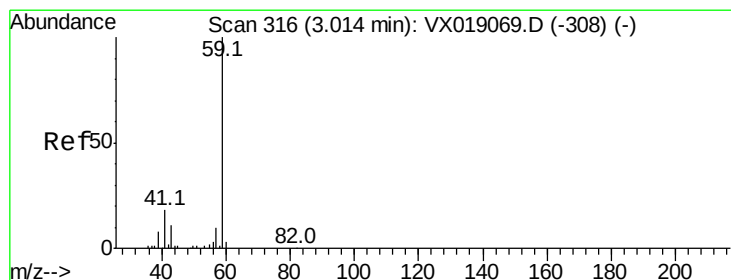
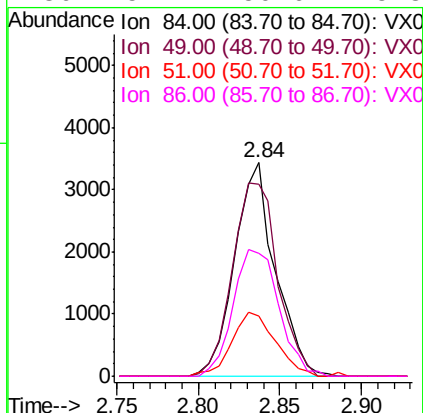
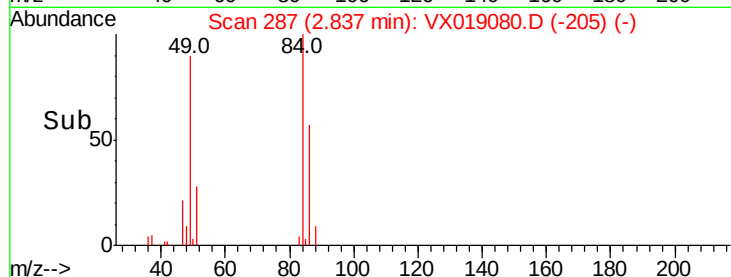
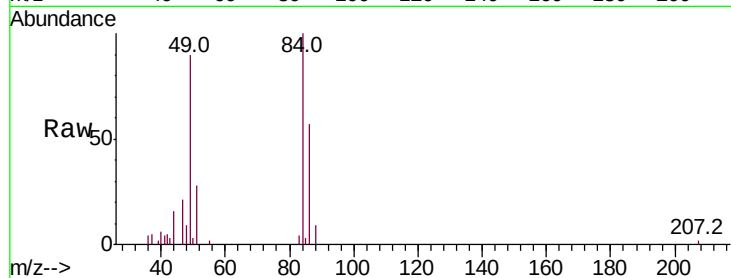




#18
Methylene Chloride
Concen: 2.607 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX019080.D
Acq: 23 Oct 2020 16:54

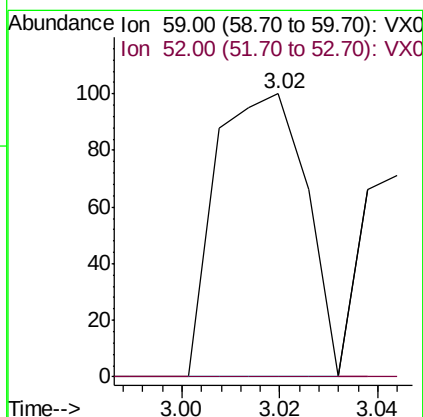
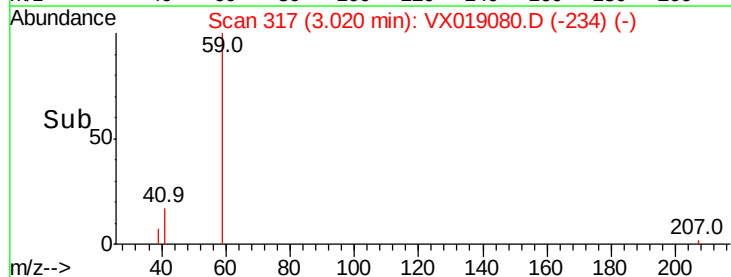
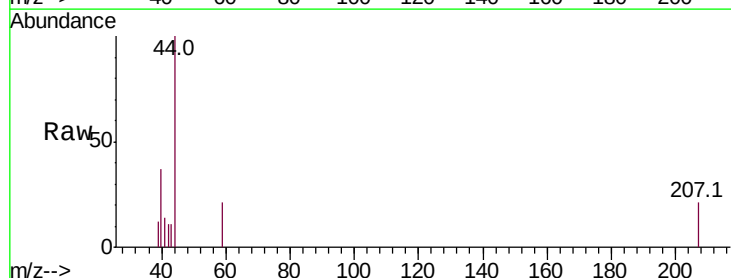
Instrument :
MSVOA_X
ClientSampleId :
201021001-10-TRIP-BLANK

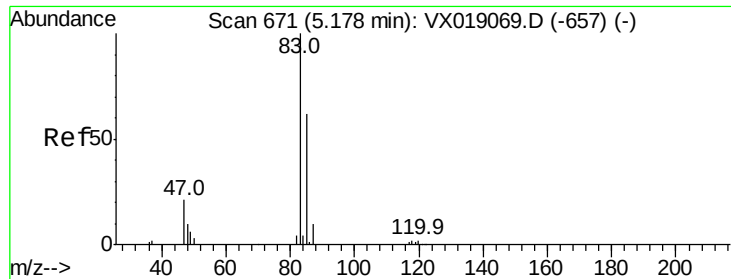
Tot Ion: 84 Resp: 5983
Ion Ratio Lower Upper
84 100
49 89.8 80.9 121.3
51 28.4 23.8 35.6
86 57.4 50.6 75.8



#23
tert-Butyl Alcohol
Concen: 0.282 ug/l
RT: 3.02 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX019080.D
Acq: 23 Oct 2020 16:54

Tgt Ion: 59 Resp: 128
Ion Ratio Lower Upper
59 100
52 0.0 0.2 0.4#

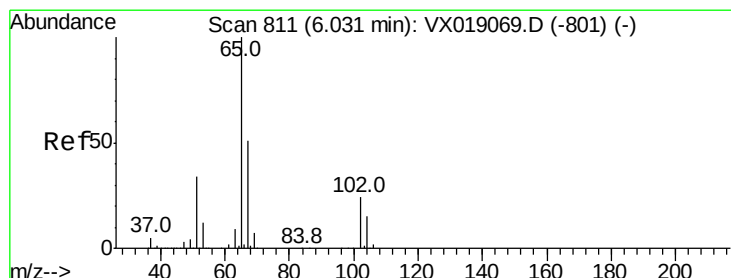
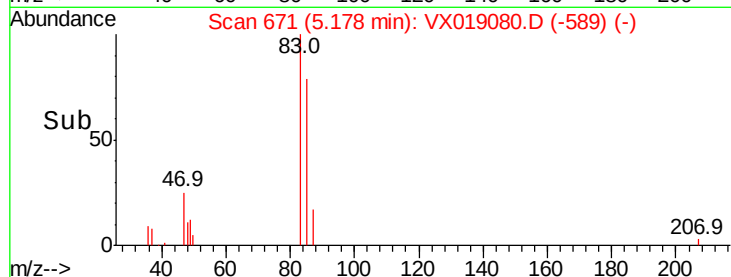
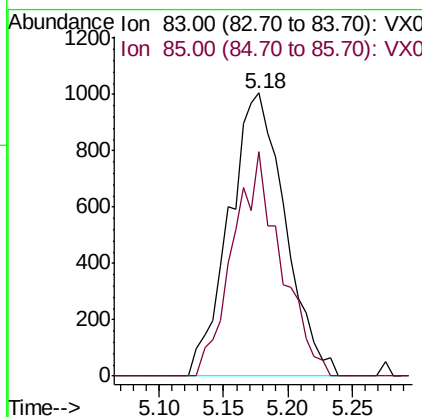
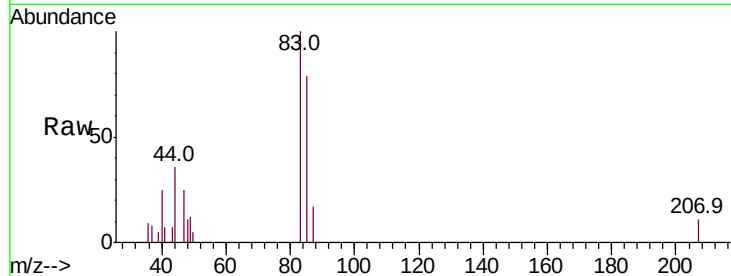




#25
Chloroform
Concen: 0.734 ug/l
RT: 5.18 min Scan# 671
Delta R.T. 0.00 min
Lab File: VX019080.D
Acq: 23 Oct 2020 16:54

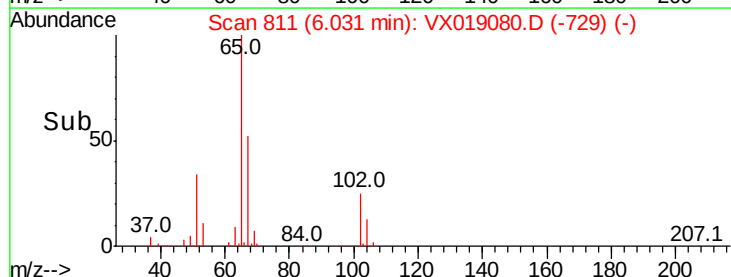
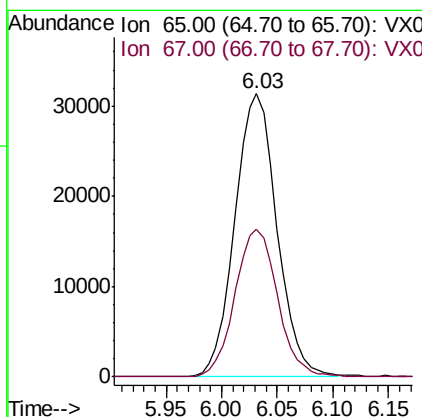
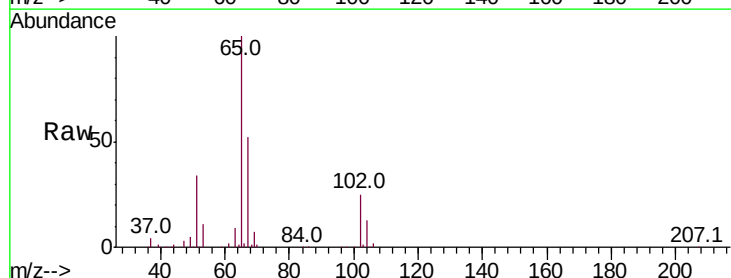
Instrument :
MSVOA_X
ClientSampleId :
201021001-10-TRIP-BLANK

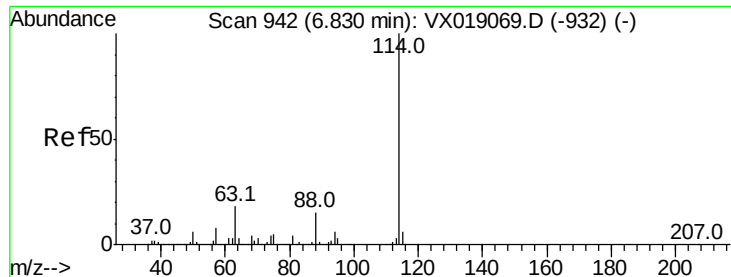
Tot Ion: 83 Resp: 3039
Ion Ratio Lower Upper
83 100
85 79.4 49.8 74.8#



#27
1,2-Dichloroethane-d4
Concen: 30.999 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.00 min
Lab File: VX019080.D
Acq: 23 Oct 2020 16:54

Tgt Ion: 65 Resp: 82527
Ion Ratio Lower Upper
65 100
67 52.7 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: VX019080.D

Acq: 23 Oct 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

201021001-10-TRIP-BLANK

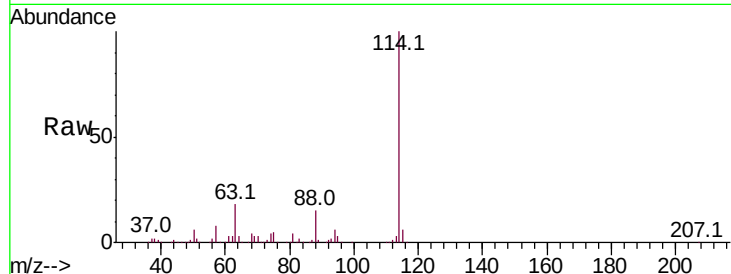
Tot Ion:114 Resp: 225496

Ion Ratio Lower Upper

114 100

63 18.5 14.6 21.8

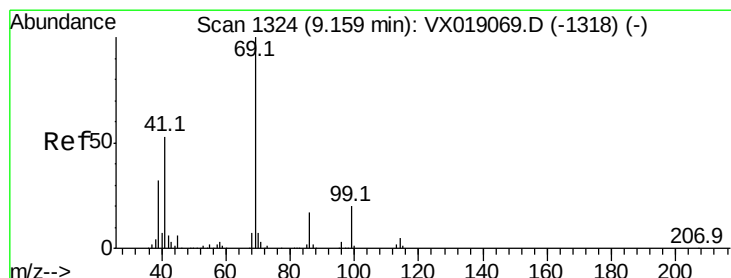
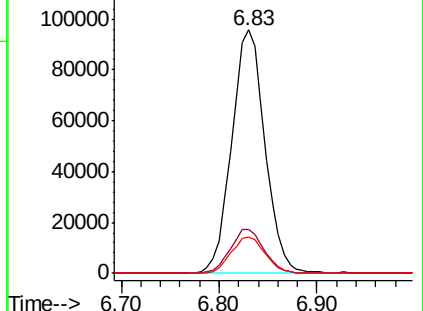
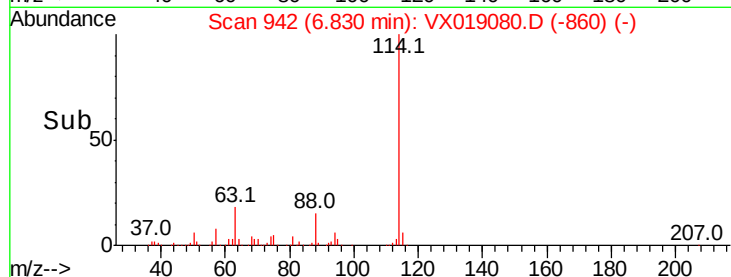
88 15.2 12.2 18.2



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



#51

Ethyl methacrylate

Concen: 0.240 ug/l

RT: 8.70 min Scan# 1249

Delta R.T. -0.46 min

Lab File: VX019080.D

Acq: 23 Oct 2020 16:54

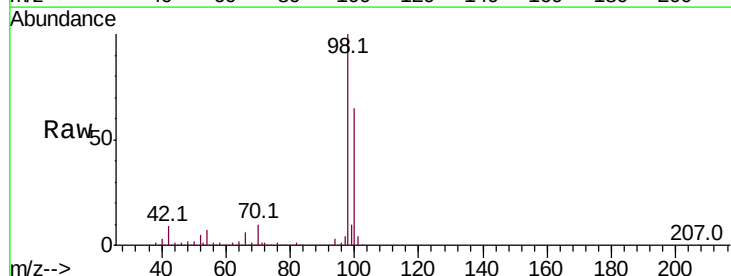
Tgt Ion: 69 Resp: 855

Ion Ratio Lower Upper

69 100

41 59.7 26.5 79.4

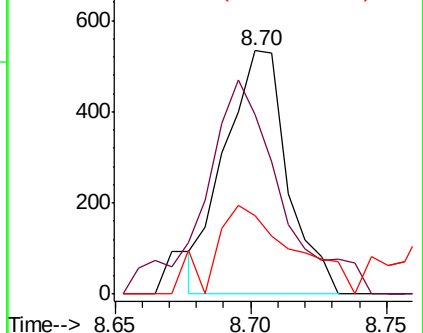
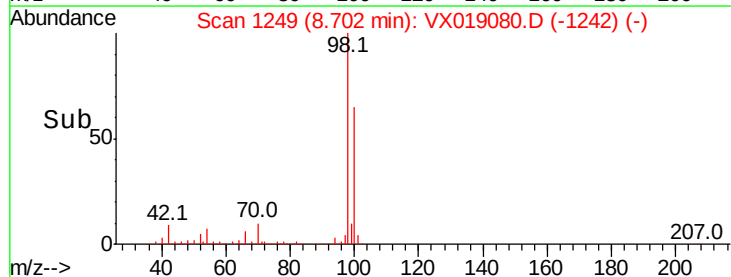
39 18.9 16.2 48.6

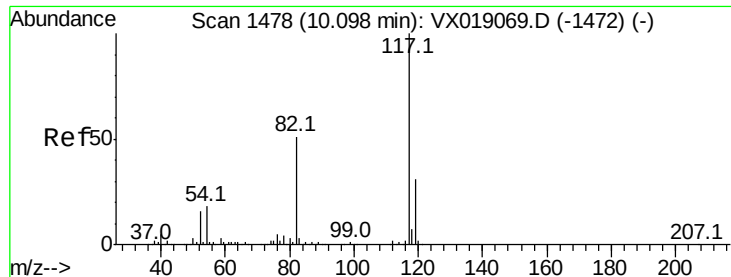


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

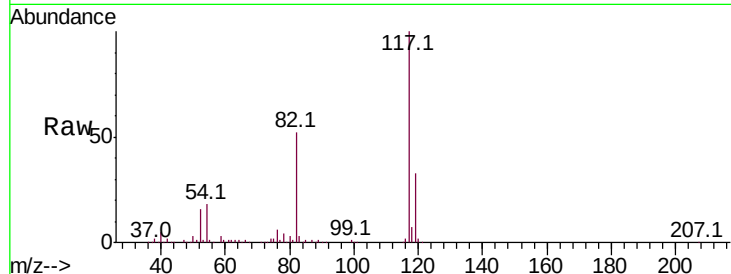




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX019080.D
Acq: 23 Oct 2020 16:54

Instrument :
MSVOA_X
ClientSampleId :
201021001-10-TRIP-BLANK

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	42.5	63.7
119	31.7	25.6	38.4

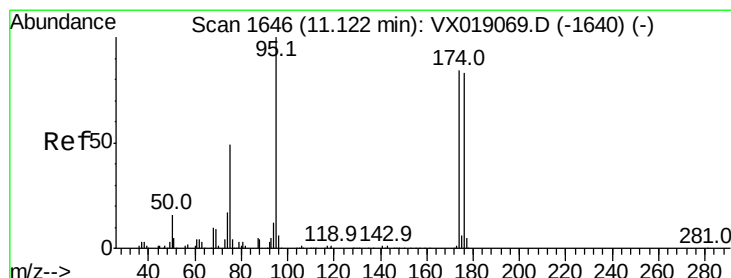
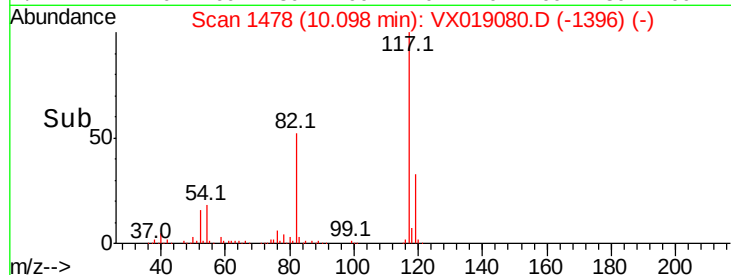
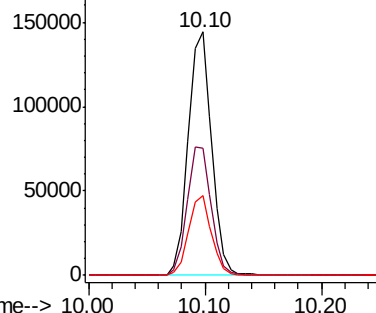


Abundance

Ion 117.00 (116.70 to 117.70): V

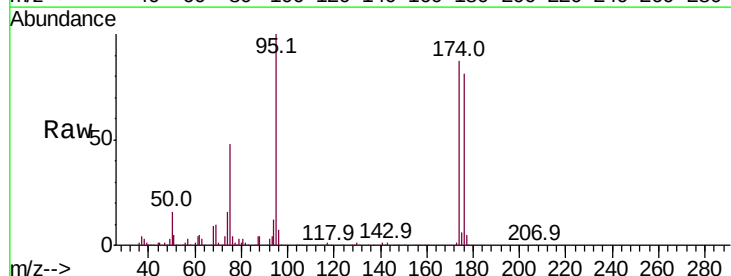
Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V



#60
4-Bromofluorobenzene
Concen: 29.824 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX019080.D
Acq: 23 Oct 2020 16:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.5	66.3	99.5
176	80.6	65.5	98.3

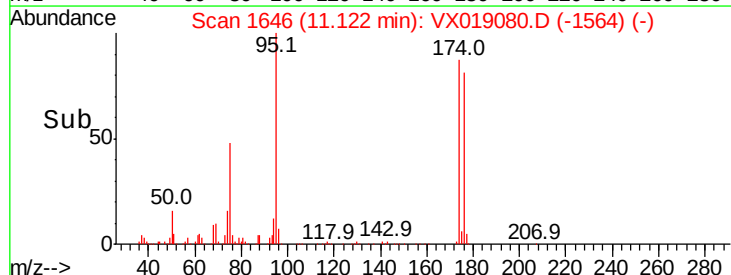
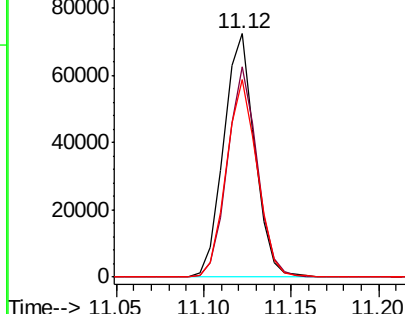


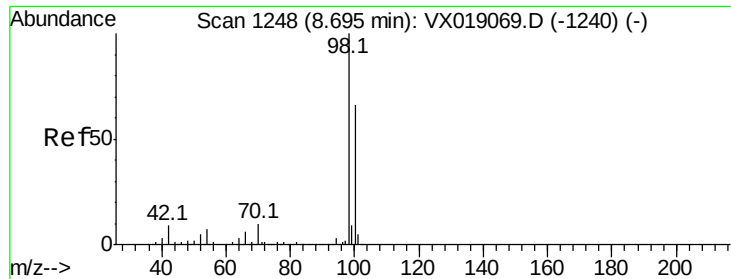
Abundance

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

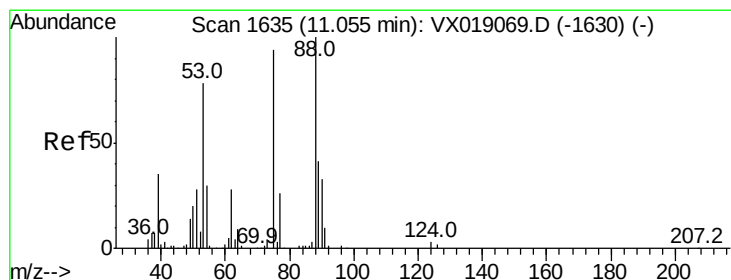
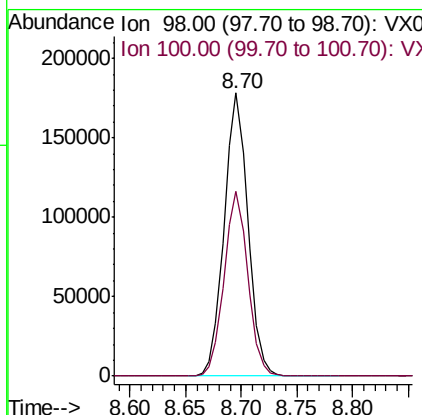
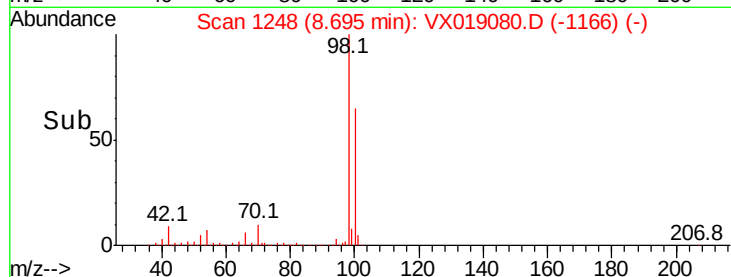
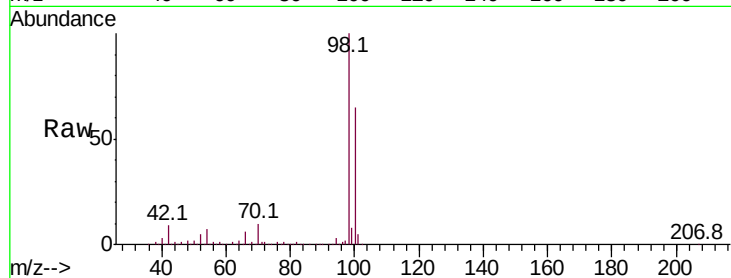




#63
Toluene-d8
Concen: 30.048 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019080.D
Acq: 23 Oct 2020 16:54

Instrument :
MSVOA_X
ClientSampleId :
201021001-10-TRIP-BLANK

Tot Ion: 98 Resp: 263921
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.4



#77
t-1,4-Dichloro-2-butene
Concen: 37.790 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.07 min
Lab File: VX019080.D
Acq: 23 Oct 2020 16:54

Tgt Ion: 75 Resp: 43679
Ion Ratio Lower Upper
75 100
53 0.0 41.6 124.8#
89 0.0 21.8 65.3#

