

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112020\
 Data File : VX019478.D
 Acq On : 19 Nov 2020 20:04
 Operator : JC/MD
 Sample : L4827-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 201118001-05-TRIP-BLANK

Quant Time: Nov 20 01:37:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X112020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 20 01:06:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	52280	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	285187	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	259483	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	114973	30.60	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.00%
60) 4-Bromofluorobenzene	11.12	95	115685	27.34	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.13%
63) Toluene-d8	8.70	98	341043	29.49	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.30%

Target Compounds

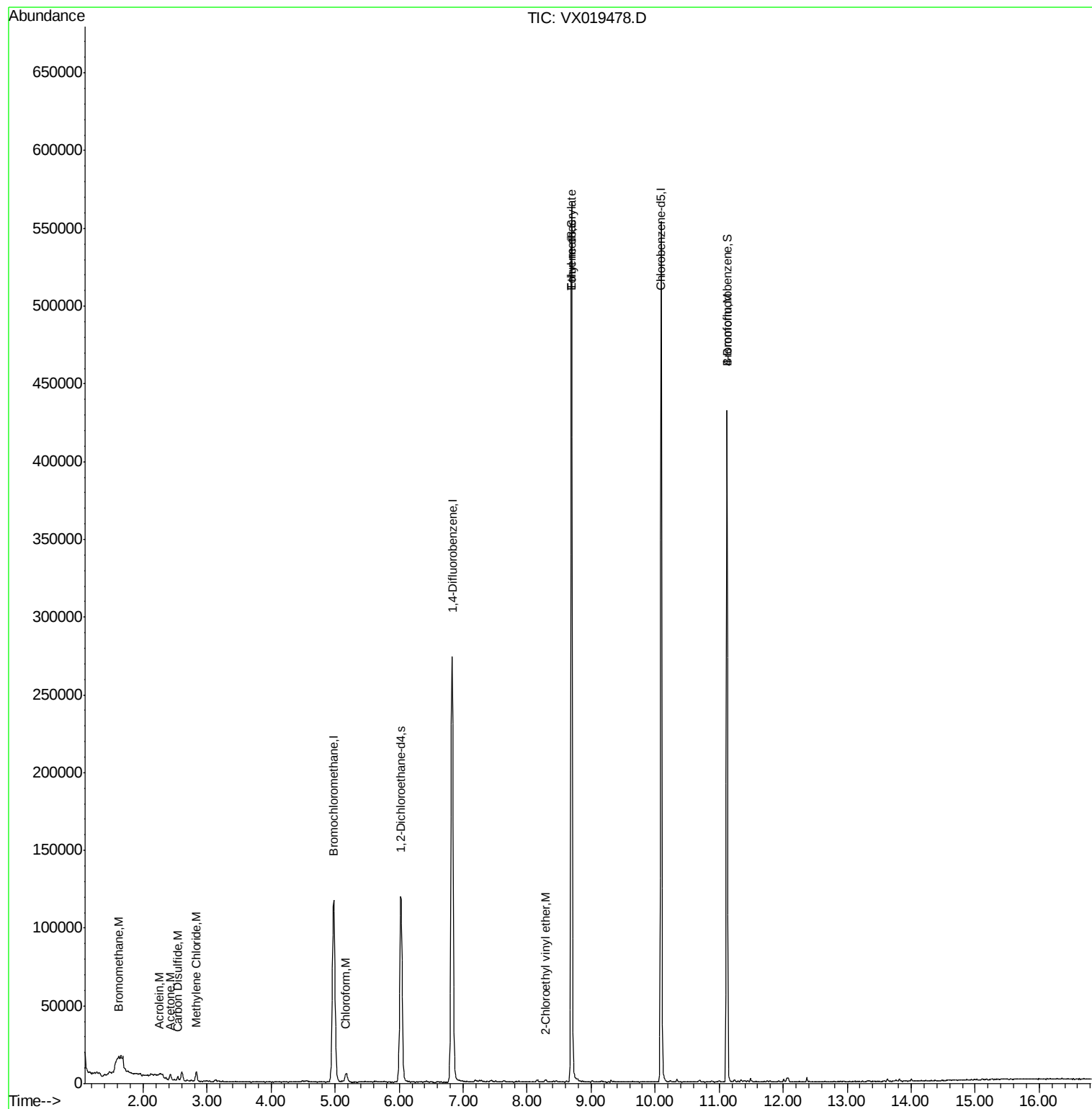
					Ovalue	
5) Bromomethane	1.62	94	574	0.423	ug/l #	43
13) Acrolein	2.26	56	108	0.208	ug/l	96
15) Acetone	2.43	58	1278	2.600	ug/l #	64
16) Carbon Disulfide	2.54	76	2992	0.391	ug/l #	92
18) Methylene Chloride	2.83	84	3024	0.864	ug/l	95
25) Chloroform	5.17	83	6739	1.129	ug/l	99
51) Ethyl methacrylate	8.70	69	1181	0.236	ug/l	88
55) 2-Chloroethyl vinyl ether	8.29	63	627	0.227	ug/l #	90
56) Bromoform	11.12	173	740	0.299	ug/l #	1

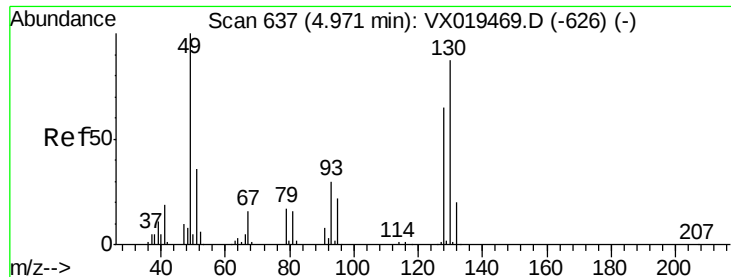
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX112020\
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MSVOA_X
ClientSampleId :
201118001-05-TRIP-BLANK

Quant Time: Nov 20 01:37:51 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X112020W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 20 01:06:02 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 638

Delta R.T. 0.01 min

Lab File: VX019478.D

Acq: 19 Nov 2020 20:04

Instrument :

MSVOA_X

ClientSampleId :

201118001-05-TRIP-BLANK

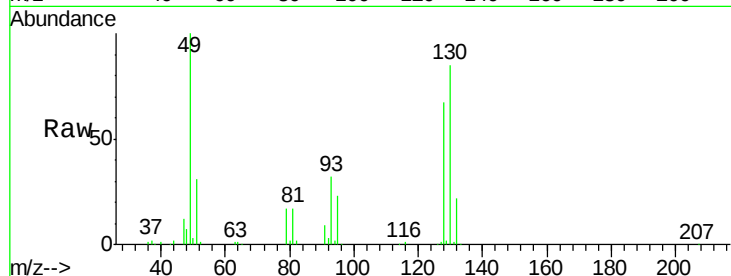
Tot Ion:128 Resp: 52280

Ion Ratio Lower Upper

128 100

49 146.9 0.0 377.8

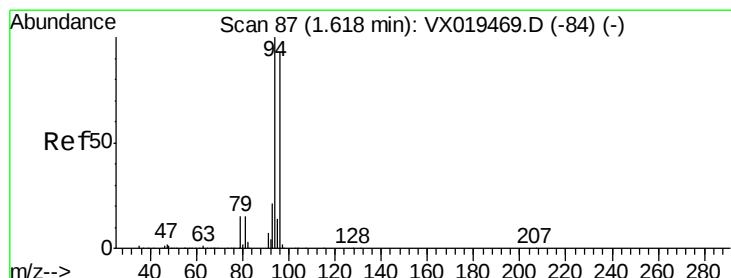
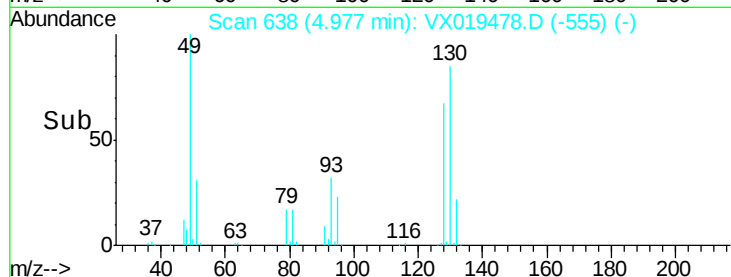
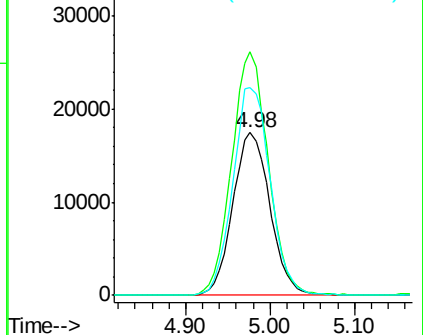
130 128.0 0.0 324.0



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



#5

Bromomethane

Concen: 0.423 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VX019478.D

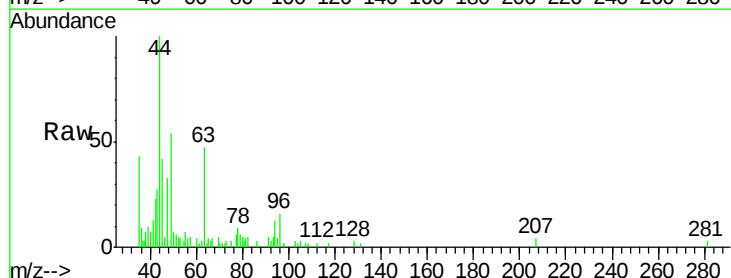
Acq: 19 Nov 2020 20:04

Tgt Ion: 94 Resp: 574

Ion Ratio Lower Upper

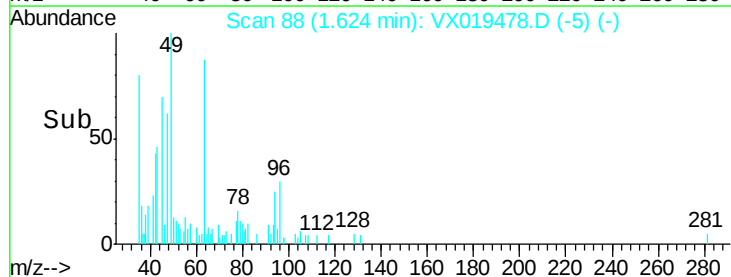
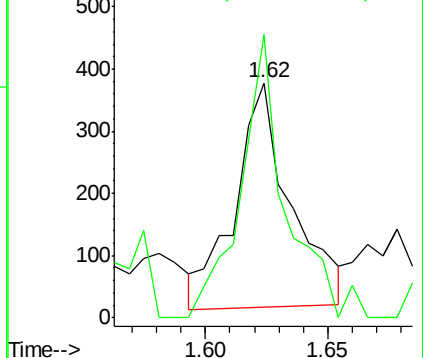
94 100

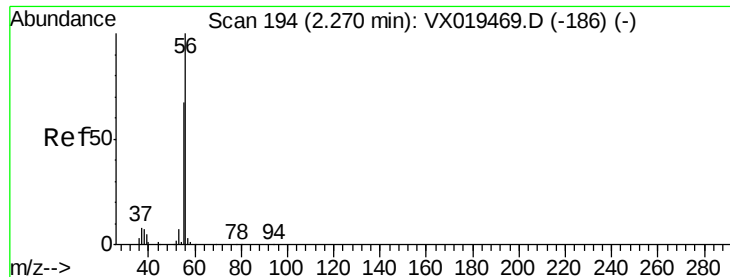
96 148.2 74.6 111.8#



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0





#13

Acrolein

Concen: 0.208 ug/l

RT: 2.26 min Scan# 192

Delta R.T. -0.01 min

Lab File: VX019478.D

Acq: 19 Nov 2020 20:04

Instrument :

MSVOA_X

ClientSampleId :

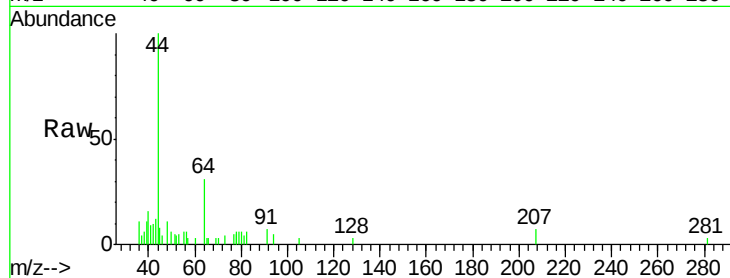
201118001-05-TRIP-BLANK

Tot Ion: 56 Resp: 108

Ion Ratio Lower Upper

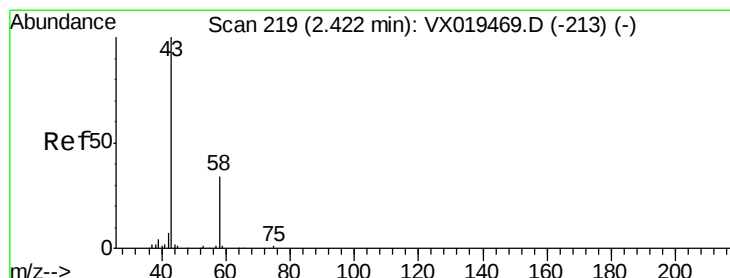
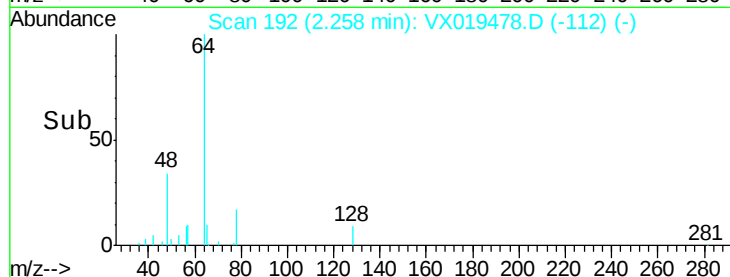
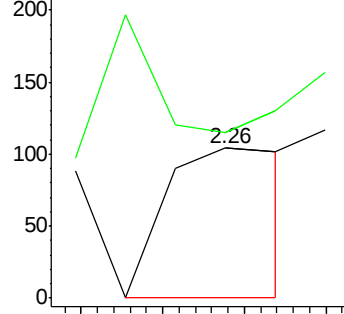
56 100

55 74.1 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acetone

Concen: 2.600 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX019478.D

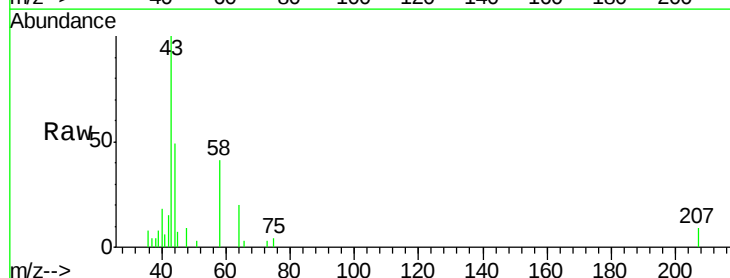
Acq: 19 Nov 2020 20:04

Tgt Ion: 58 Resp: 1278

Ion Ratio Lower Upper

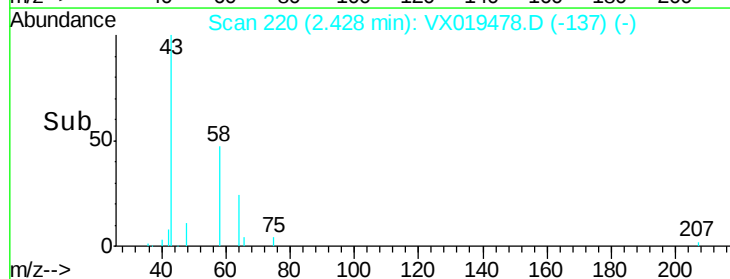
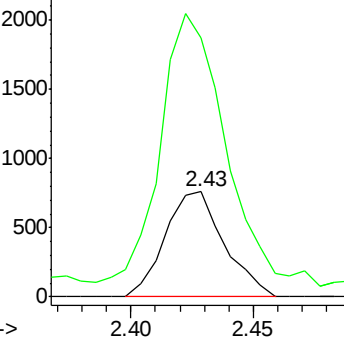
58 100

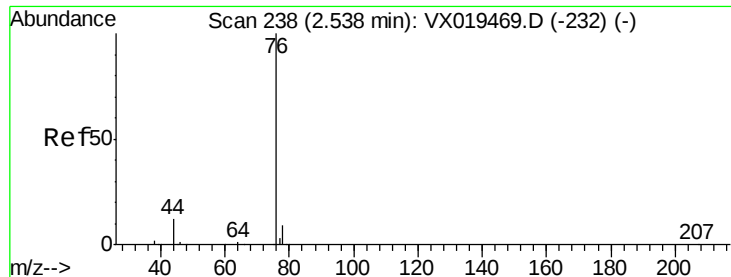
43 224.9 236.3 354.5#



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

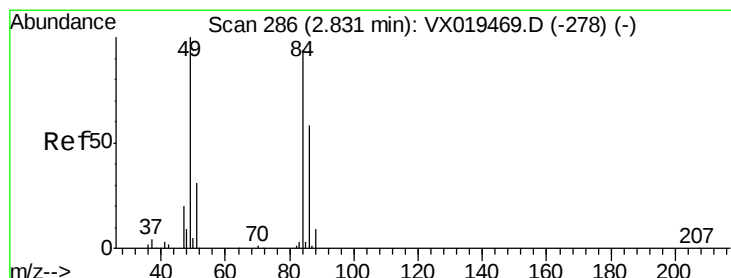
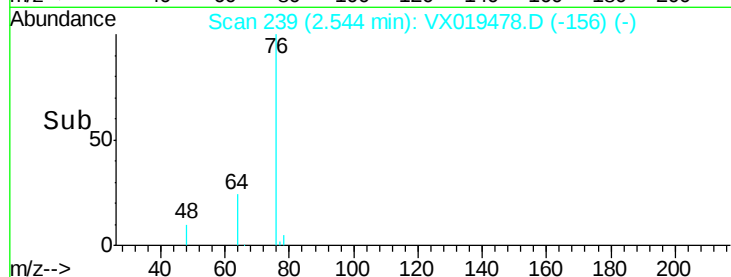
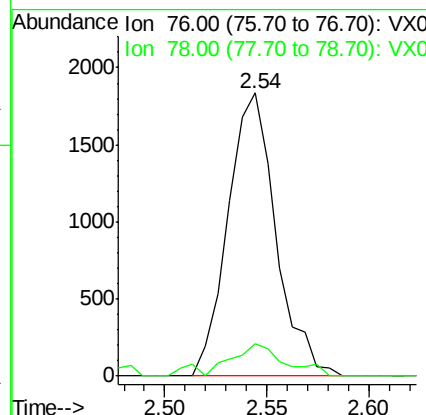
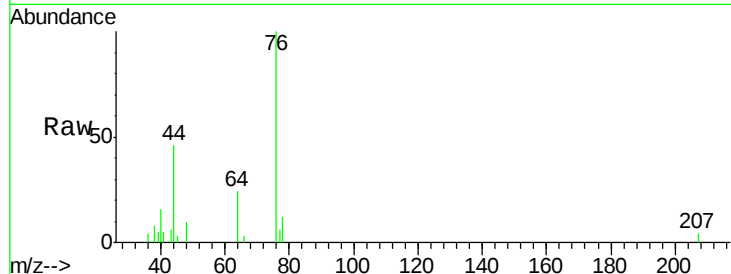




#16
Carbon Disulfide
Concen: 0.391 ug/l
RT: 2.54 min Scan# 239
Delta R.T. 0.01 min
Lab File: VX019478.D
Acq: 19 Nov 2020 20:04

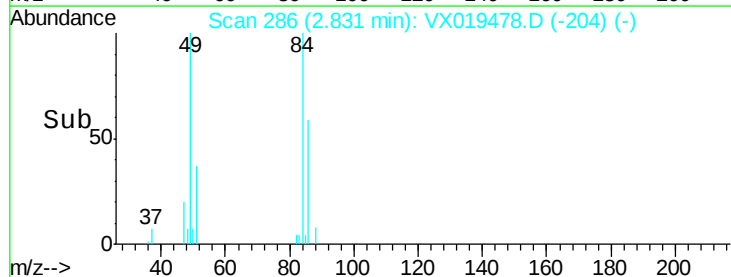
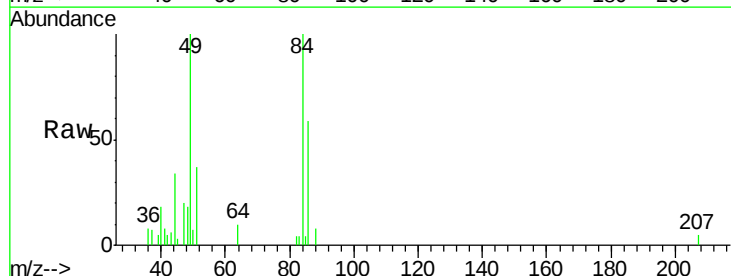
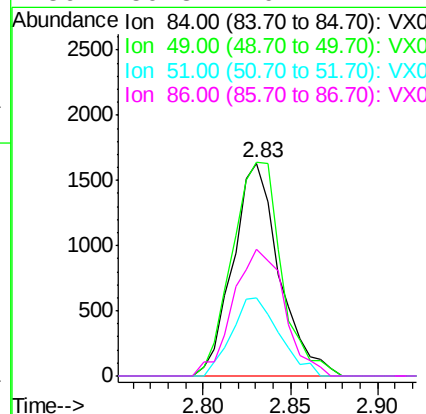
Instrument :
MSVOA_X
ClientSampleId :
201118001-05-TRIP-BLANK

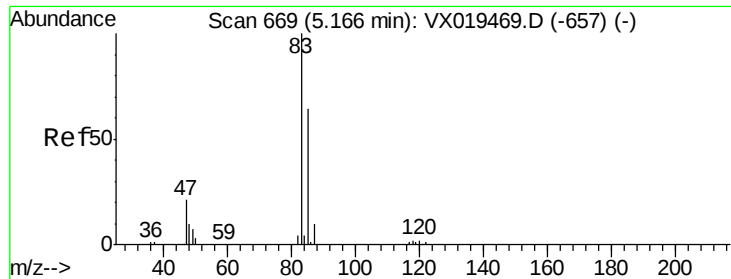
Tot Ion: 76 Resp: 2992
Ion Ratio Lower Upper
76 100
78 11.7 7.0 10.6#



#18
Methylene Chloride
Concen: 0.864 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX019478.D
Acq: 19 Nov 2020 20:04

Tgt Ion: 84 Resp: 3024
Ion Ratio Lower Upper
84 100
49 100.3 85.4 128.0
51 36.8 26.7 40.1
86 59.3 49.4 74.2





#25

Chloroform

Concen: 1.129 ug/l

RT: 5.17 min Scan# 669

Delta R.T. -0.00 min

Lab File: VX019478.D

Acq: 19 Nov 2020 20:04

Instrument :

MSVOA_X

ClientSampleId :

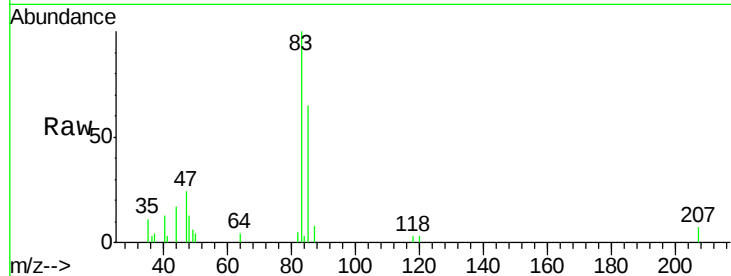
201118001-05-TRIP-BLANK

Tot Ion: 83 Resp: 6739

Ion Ratio Lower Upper

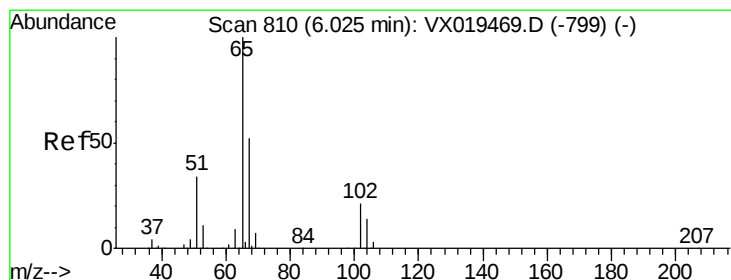
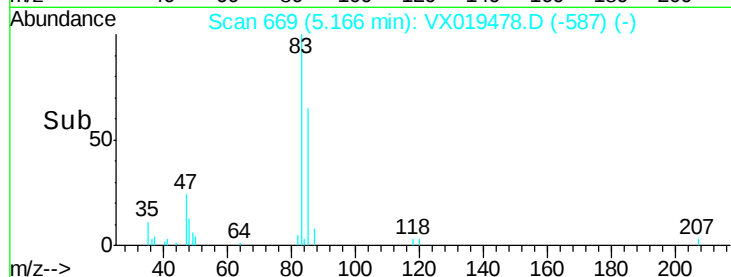
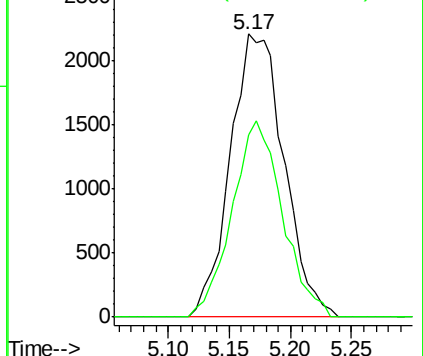
83 100

85 64.6 51.4 77.0



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#27

1,2-Dichloroethane-d4

Concen: 30.599 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.00 min

Lab File: VX019478.D

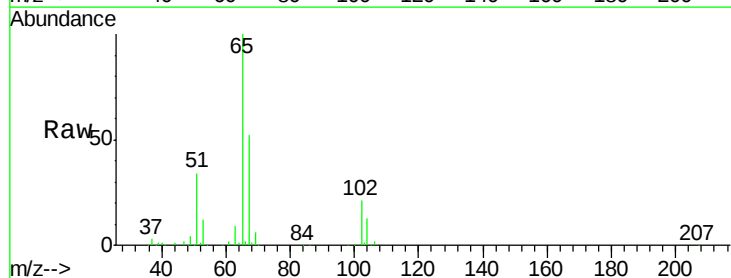
Acq: 19 Nov 2020 20:04

Tgt Ion: 65 Resp: 114973

Ion Ratio Lower Upper

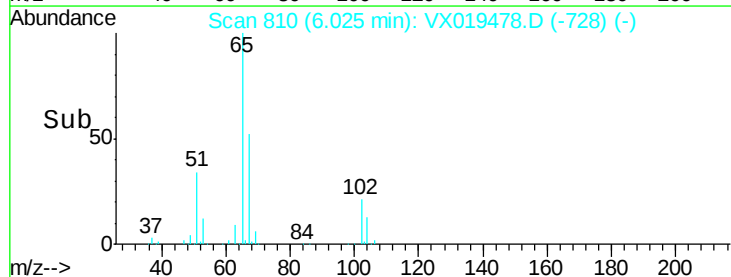
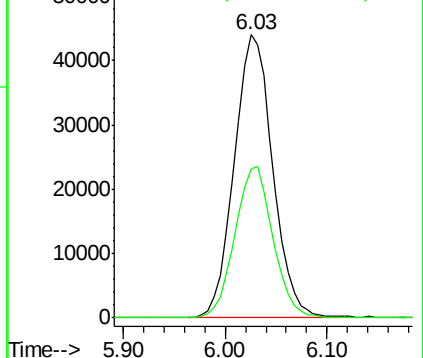
65 100

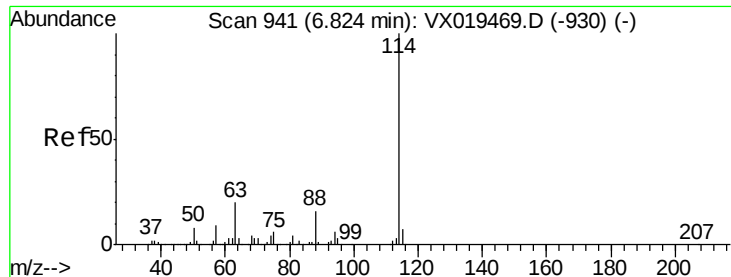
67 52.9 42.2 63.2



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

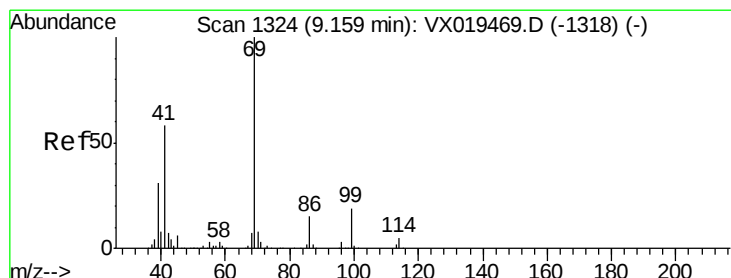
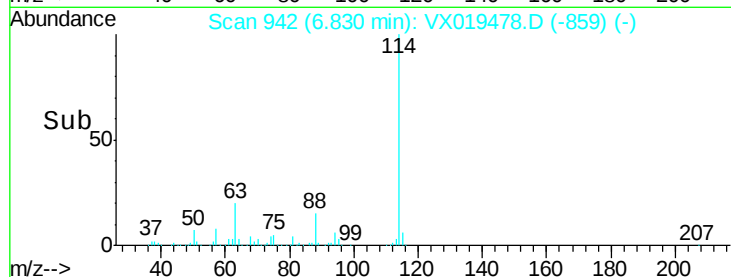
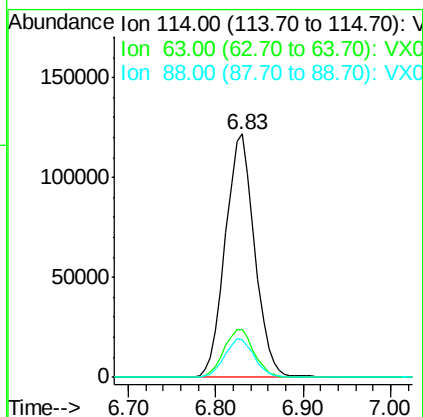
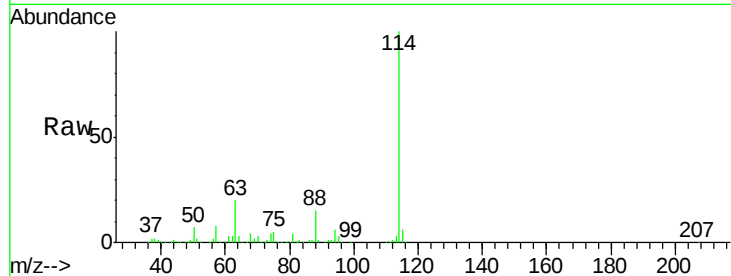




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: VX019478.D
 Acq: 19 Nov 2020 20:04

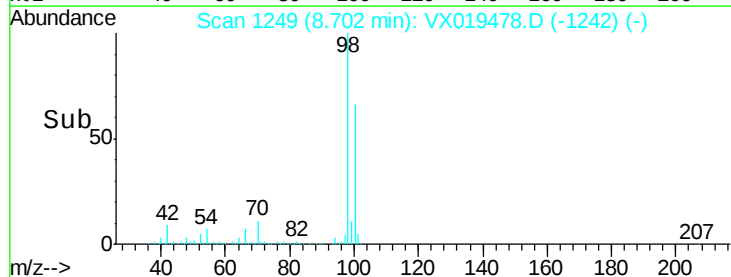
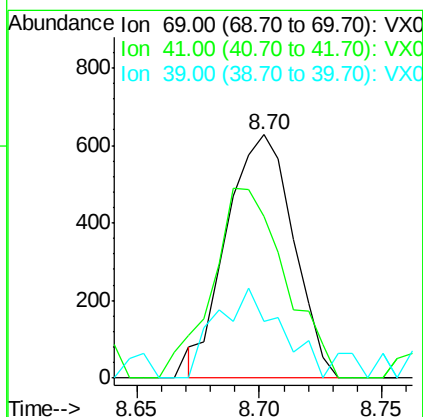
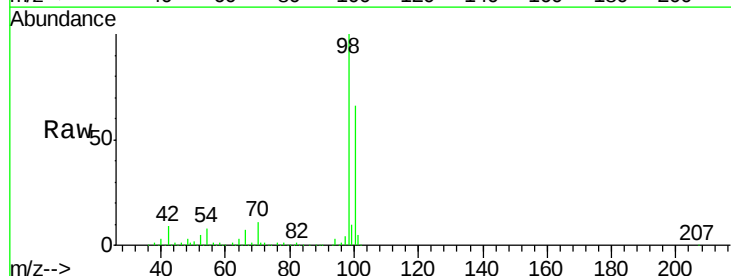
Instrument :
 MSVOA_X
 ClientSampleId :
 201118001-05-TRIP-BLANK

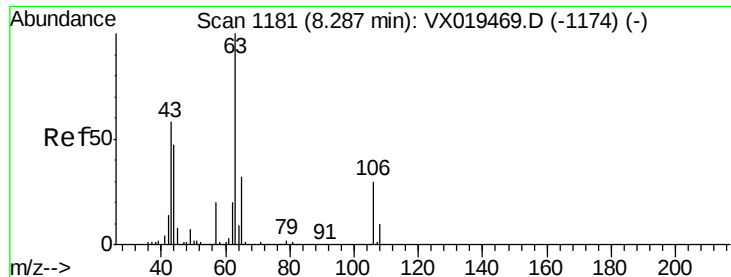
Tot Ion:114	Resp:	285187
Ion Ratio	Lower	Upper
114 100		
63 20.2	16.2	24.2
88 15.9	12.9	19.3



#51
 Ethyl methacrylate
 Concen: 0.236 ug/l
 RT: 8.70 min Scan# 1249
 Delta R.T. -0.46 min
 Lab File: VX019478.D
 Acq: 19 Nov 2020 20:04

Tgt Ion: 69	Resp:	1181
Ion Ratio	Lower	Upper
69 100		
41 66.4	29.0	87.1
39 23.1	15.4	46.4





#55

2-Chloroethyl vinyl ether

Concen: 0.227 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VX019478.D

Acq: 19 Nov 2020 20:04

Instrument :

MSVOA_X

ClientSampleId :

201118001-05-TRIP-BLANK

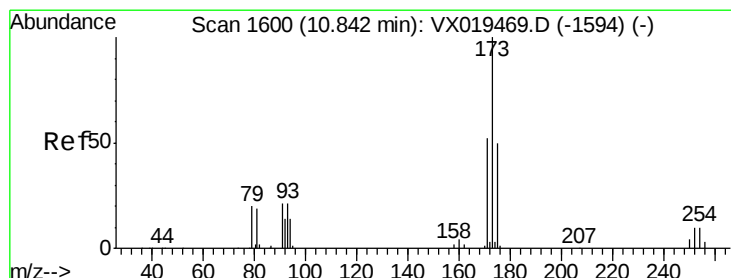
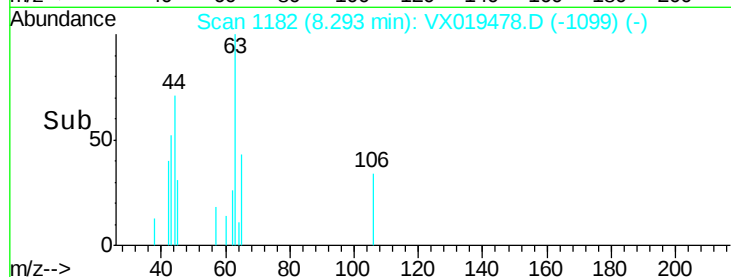
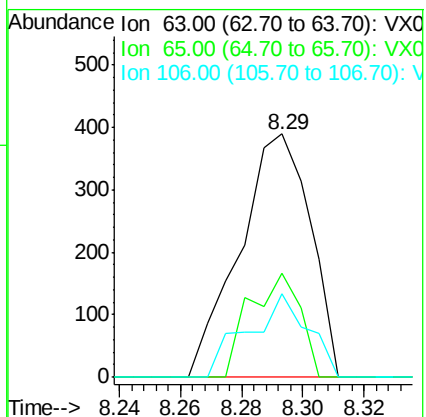
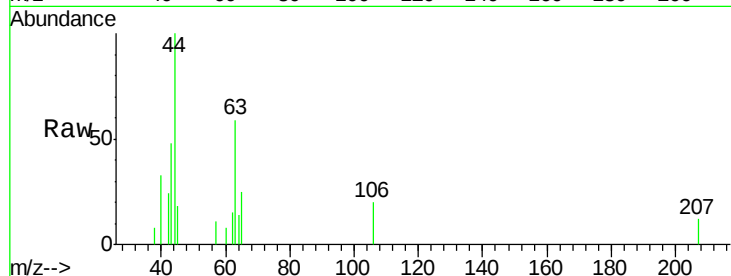
Tot Ion: 63 Resp: 627

Ion Ratio Lower Upper

63 100

65 30.3 25.7 38.5

106 20.9 24.2 36.4#



#56

Bromoform

Concen: 0.299 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. 0.27 min

Lab File: VX019478.D

Acq: 19 Nov 2020 20:04

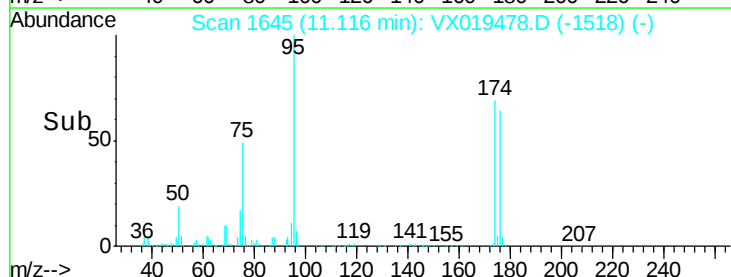
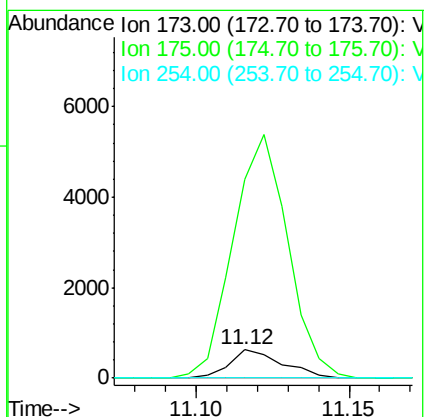
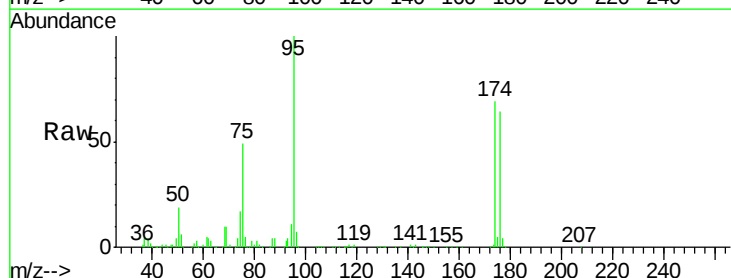
Tgt Ion: 173 Resp: 740

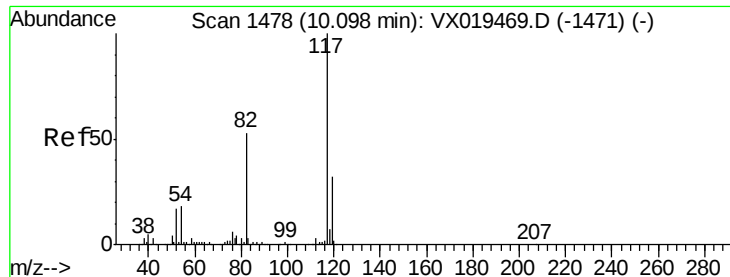
Ion Ratio Lower Upper

173 100

175 901.6 39.7 59.5#

254 0.0 8.0 12.0#

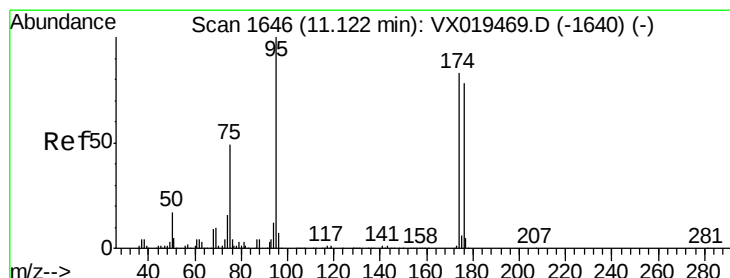
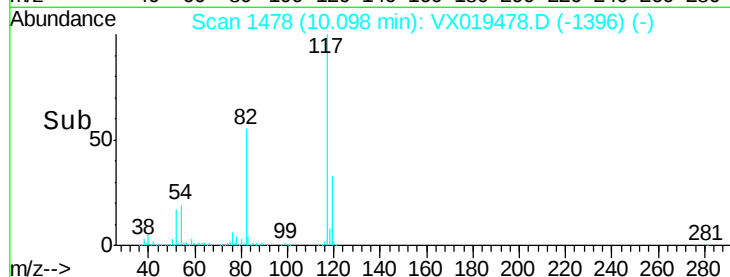
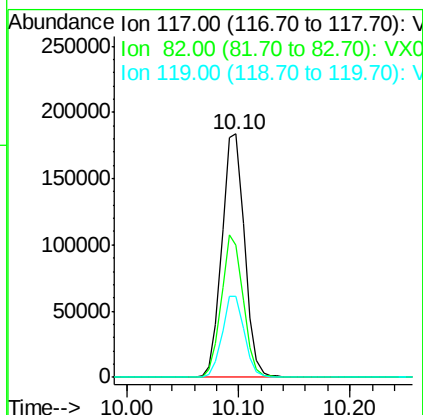
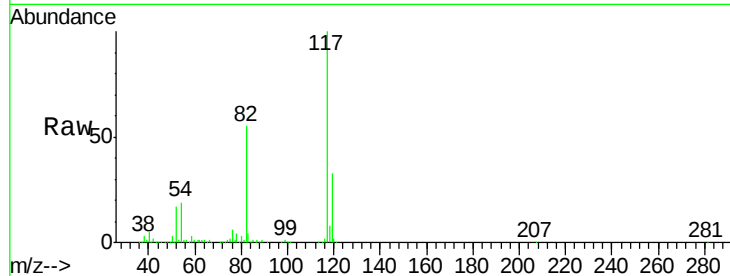




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019478.D
Acq: 19 Nov 2020 20:04

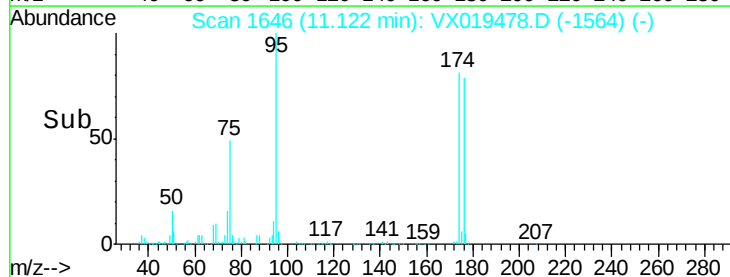
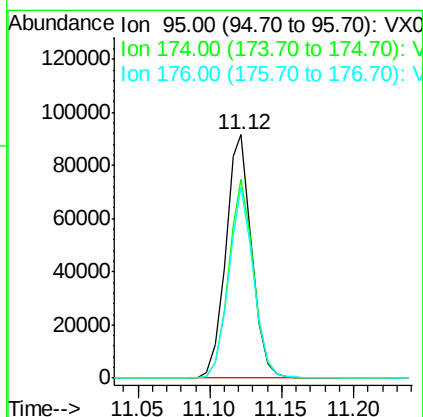
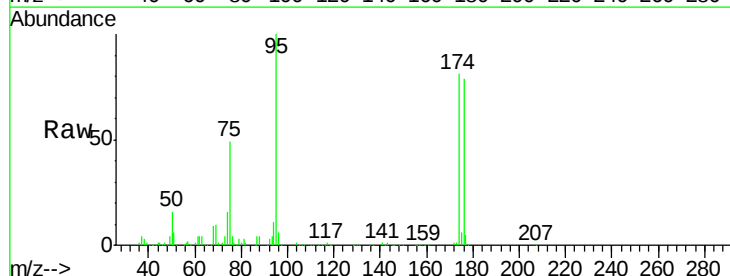
Instrument :
MSVOA_X
ClientSampleId :
201118001-05-TRIP-BLANK

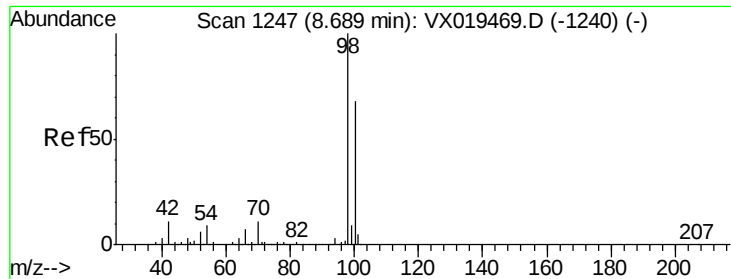
Tot Ion:117 Resp: 259483
Ion Ratio Lower Upper
117 100
82 56.4 44.5 66.7
119 32.7 25.9 38.9



#60
4-Bromofluorobenzene
Concen: 27.337 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019478.D
Acq: 19 Nov 2020 20:04

Tgt Ion: 95 Resp: 115685
Ion Ratio Lower Upper
95 100
174 78.5 63.5 95.3
176 75.6 59.8 89.6





#63
Toluene-d8
Concen: 29.486 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.01 min
Lab File: VX019478.D
Acq: 19 Nov 2020 20:04

Instrument :
MSVOA_X
ClientSampleId :
201118001-05-TRIP-BLANK

Tot Ion: 98 Resp: 341043
Ion Ratio Lower Upper
98 100
100 66.2 53.6 80.4

