

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093022\
 Data File : VX031818.D
 Acq On : 30 Sep 2022 17:53
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Oct 03 01:14:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X093022W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Oct 03 00:56:55 2022
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

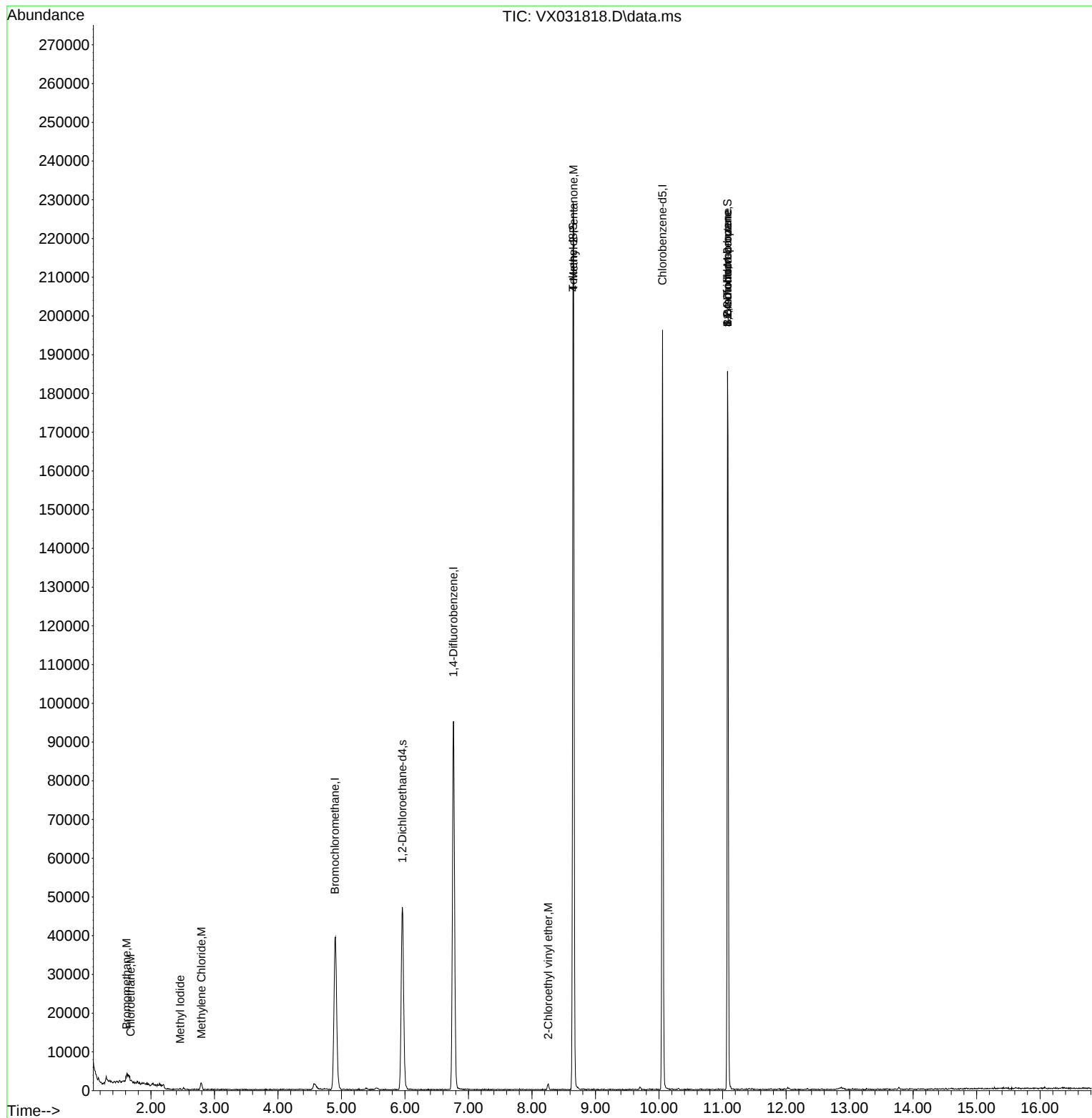
Internal Standards						
1) Bromochloromethane	4.897	128	17773	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	104101	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	91999	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	45688	34.154	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 113.833%#	
60) 4-Bromofluorobenzene	11.079	95	48904	28.722	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 95.733%	
63) Toluene-d8	8.647	98	143998	30.810	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 102.700%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	513	0.538	ug/l	99
6) Chloroethane	1.679	64	219	0.238	ug/l #	37
11) Methyl Iodide	2.459	142	226	0.212	ug/l #	38
18) Methylene Chloride	2.794	84	886	0.793	ug/l #	93
55) 2-Chloroethyl vinyl ether	8.257	63	708	0.806	ug/l	100
56) Bromoform	11.079	173	450	0.399	ug/l #	1
58) 4-Methyl-2-Pentanone	8.653	43	438	0.354	ug/l #	1
72) 1,2,3-Trichloropropane	11.079	75	24042	15.420	ug/l	39
77) t-1,4-Dichloro-2-butene	11.079	75	24042	53.253	ug/l #	8

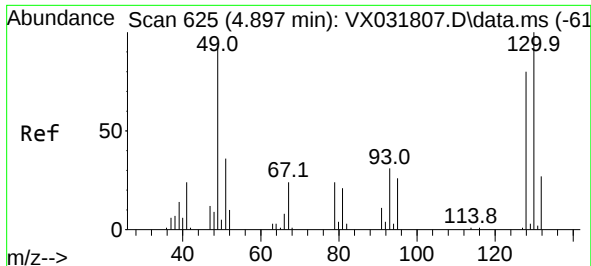
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 03 01:14:30 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X093022W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Oct 03 00:56:55 2022
Response via : Initial Calibration

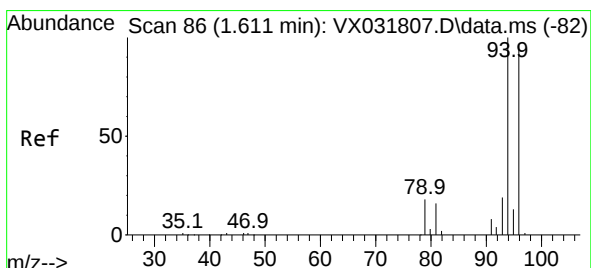
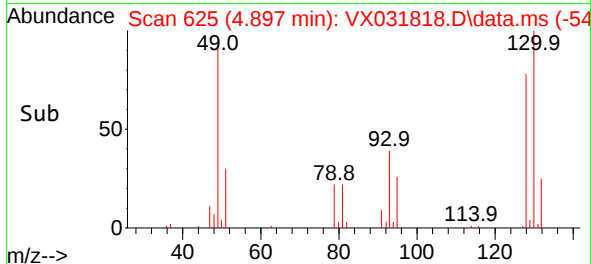
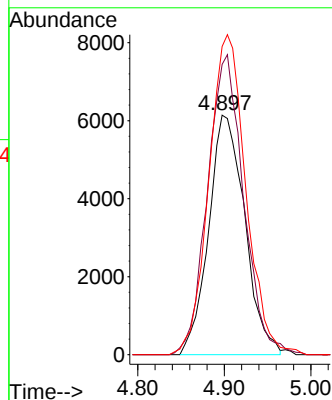
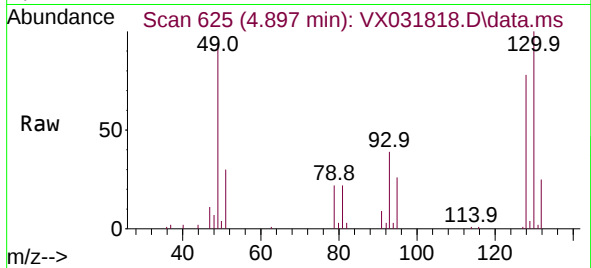




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX031818.D
Acq: 30 Sep 2022 17:53

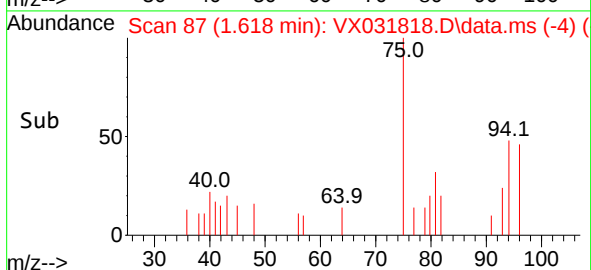
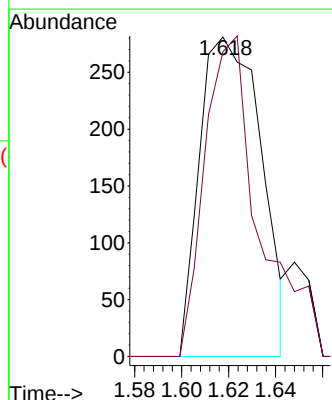
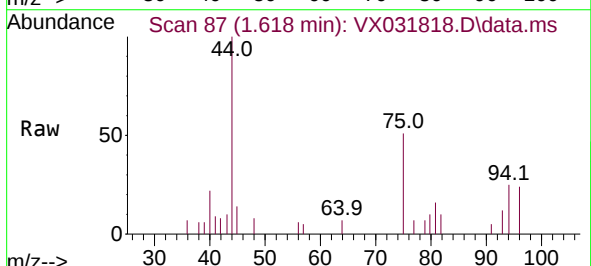
Instrument :
MSVOA_X
ClientSampleId :
IBLK

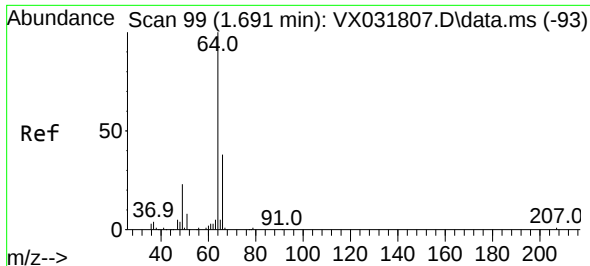
Tgt Ion:128 Resp: 17773
Ion Ratio Lower Upper
128 100
49 125.3 0.0 293.0
130 136.9 0.0 321.5



#5
Bromomethane
Concen: 0.538 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.006 min
Lab File: VX031818.D
Acq: 30 Sep 2022 17:53

Tgt Ion: 94 Resp: 513
Ion Ratio Lower Upper
94 100
96 95.4 76.8 115.2

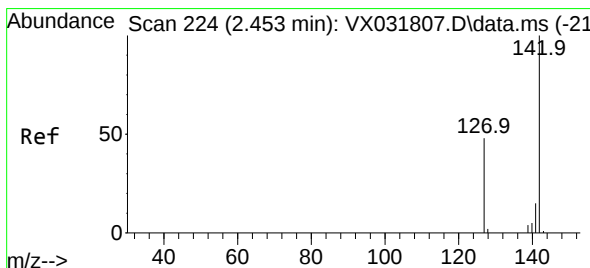
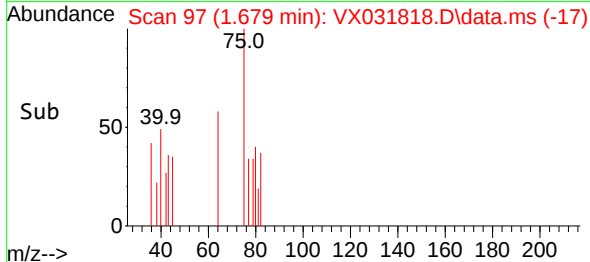
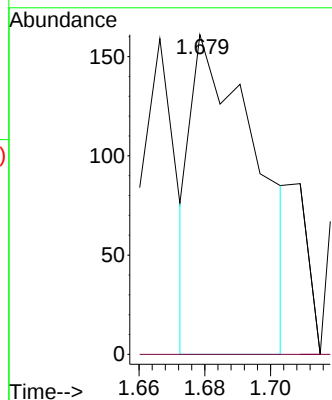
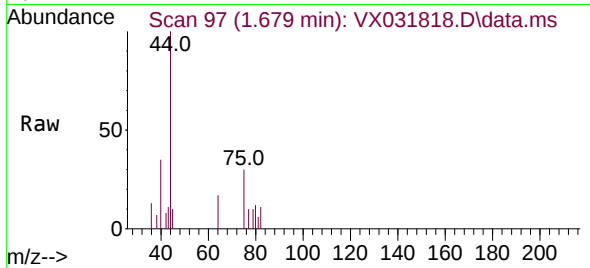




#6
 Chloroethane
 Concen: 0.238 ug/l
 RT: 1.679 min Scan# 91
 Delta R.T. -0.012 min
 Lab File: VX031818.D
 Acq: 30 Sep 2022 17:53

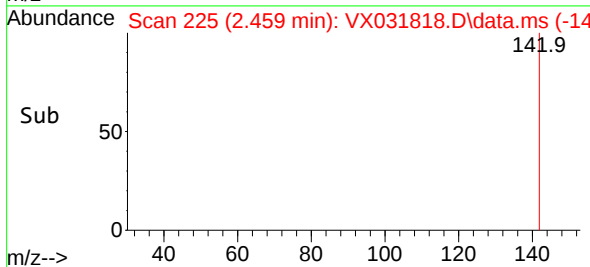
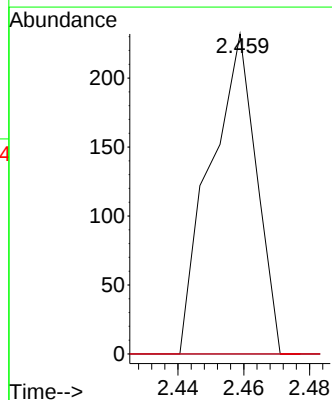
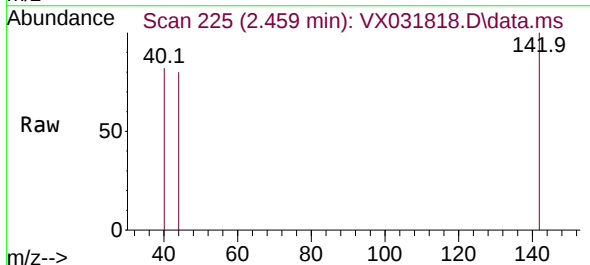
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

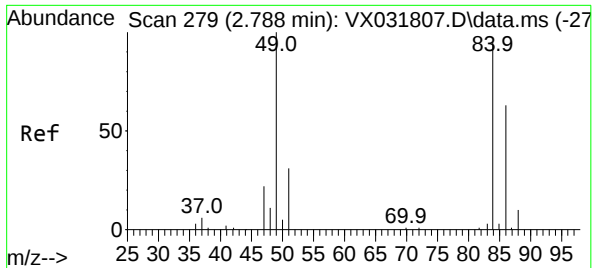
Tgt Ion: 64 Resp: 219
 Ion Ratio Lower Upper
 64 100
 66 0.0 30.6 46.0#



#11
 Methyl Iodide
 Concen: 0.212 ug/l
 RT: 2.459 min Scan# 225
 Delta R.T. 0.006 min
 Lab File: VX031818.D
 Acq: 30 Sep 2022 17:53

Tgt Ion: 142 Resp: 226
 Ion Ratio Lower Upper
 142 100
 127 0.0 23.8 71.2#
 141 0.0 7.6 22.8#

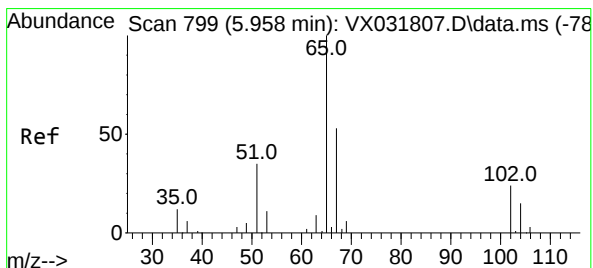
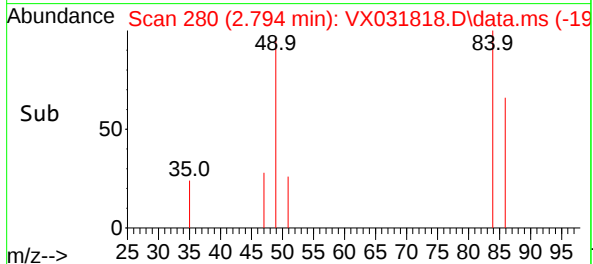
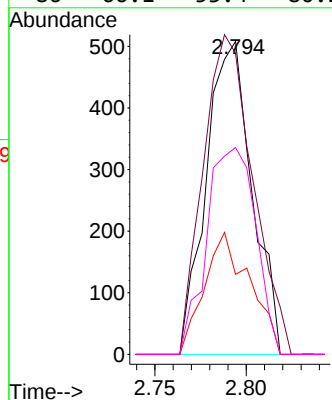
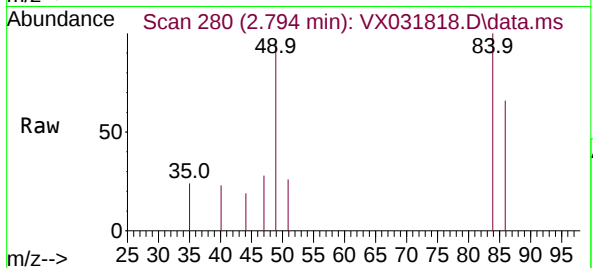




#18
Methylene Chloride
Concen: 0.793 ug/l
RT: 2.794 min Scan# 218
Delta R.T. 0.006 min
Lab File: VX031818.D
Acq: 30 Sep 2022 17:53

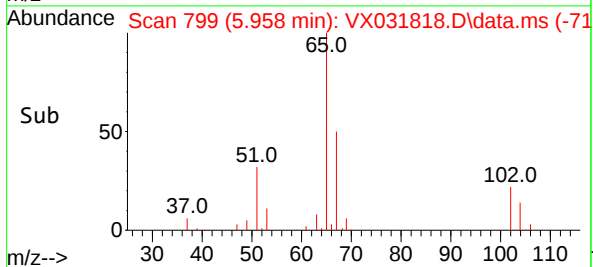
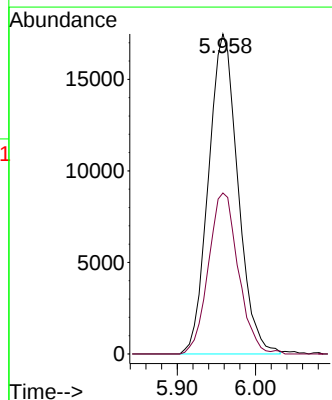
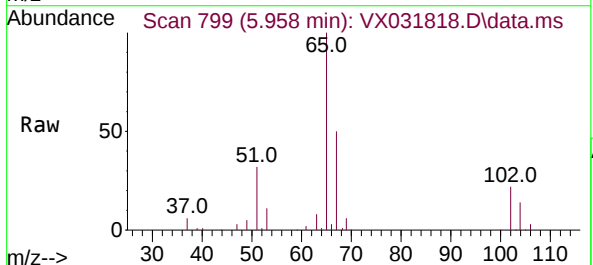
Instrument :
MSVOA_X
ClientSampleId :
IBLK

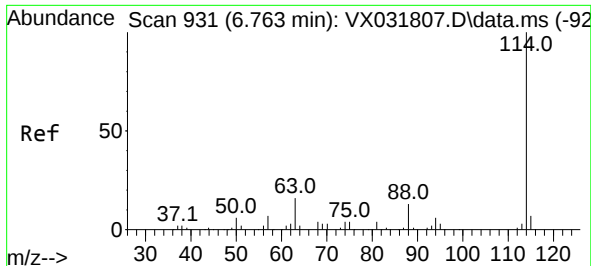
Tgt Ion: 84 Resp: 886
Ion Ratio Lower Upper
84 100
49 96.3 84.6 127.0
51 25.6 26.5 39.7#
86 66.1 53.4 80.2



#27
1,2-Dichloroethane-d4
Concen: 34.154 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031818.D
Acq: 30 Sep 2022 17:53

Tgt Ion: 65 Resp: 45688
Ion Ratio Lower Upper
65 100
67 50.8 41.8 62.6

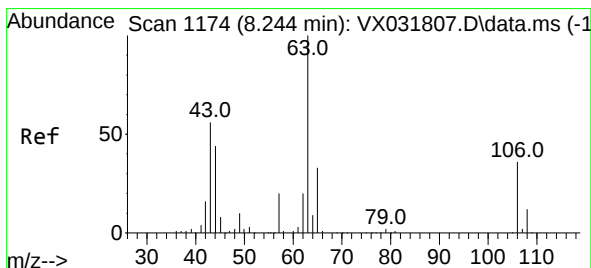
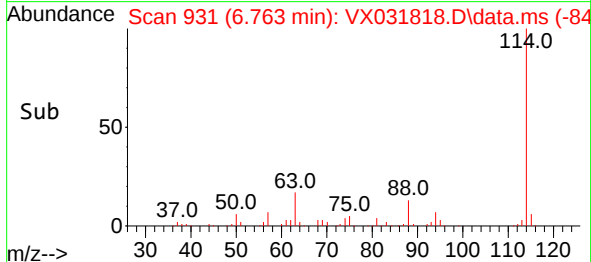
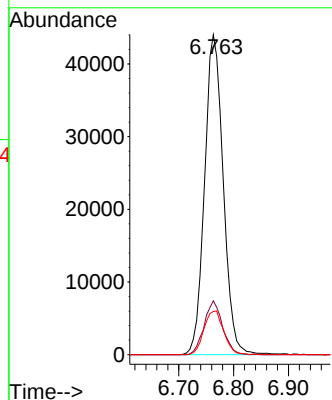
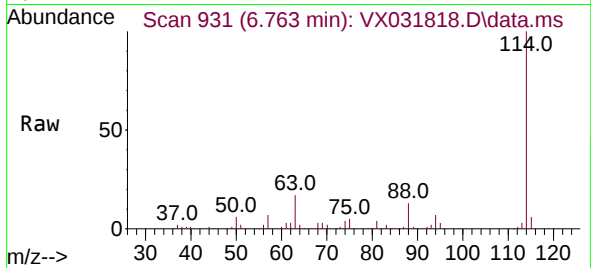




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.763 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VX031818.D
 Acq: 30 Sep 2022 17:53

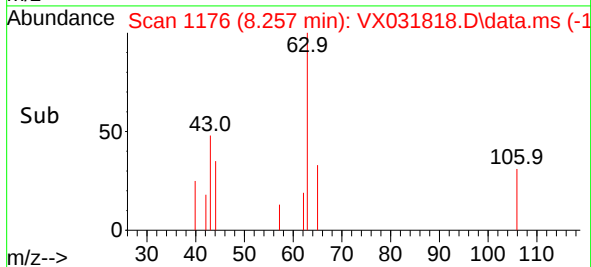
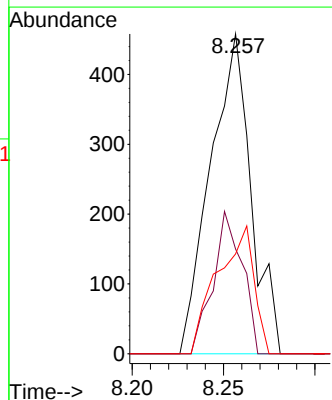
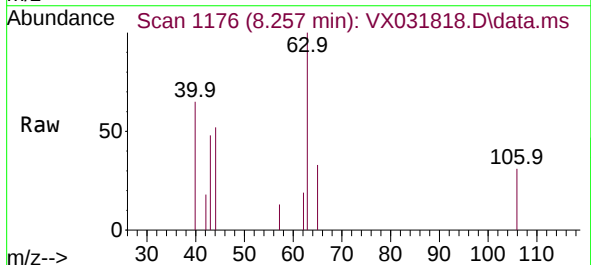
Instrument :
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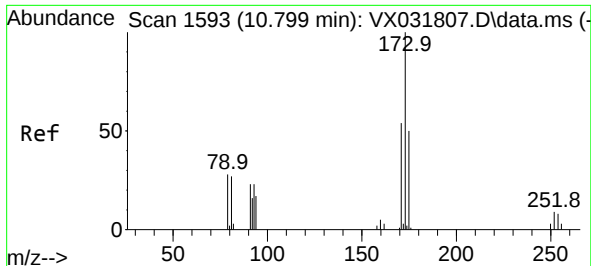
Tgt Ion:114 Resp: 104101
 Ion Ratio Lower Upper
 114 100
 63 16.6 13.6 20.4
 88 14.4 11.8 17.6



#55
 2-Chloroethyl vinyl ether
 Concen: 0.806 ug/l
 RT: 8.257 min Scan# 1176
 Delta R.T. 0.012 min
 Lab File: VX031818.D
 Acq: 30 Sep 2022 17:53

Tgt Ion: 63 Resp: 708
 Ion Ratio Lower Upper
 63 100
 65 32.1 25.5 38.3
 106 36.2 28.9 43.3

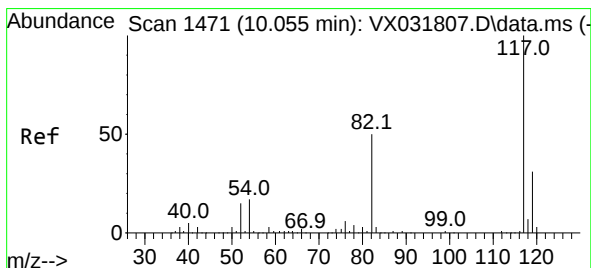
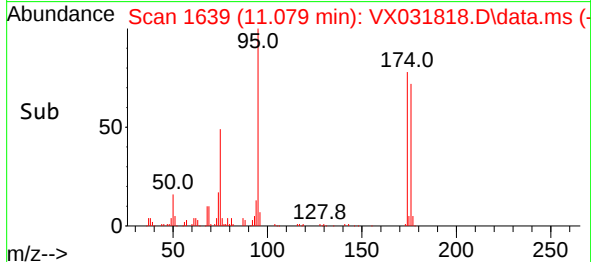
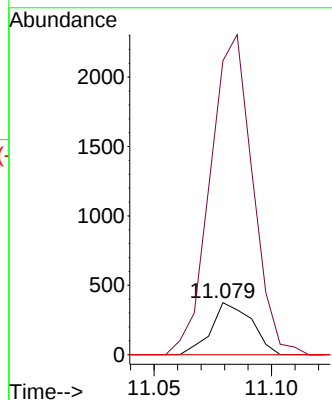
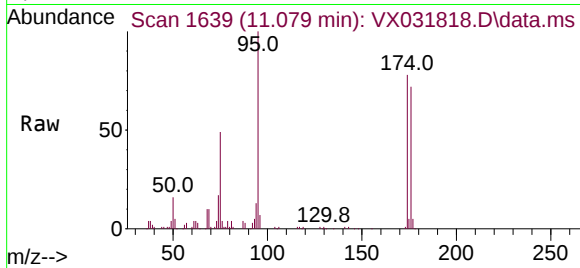




#56
Bromoform
Concen: 0.399 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.281 min
Lab File: VX031818.D
Acq: 30 Sep 2022 17:53

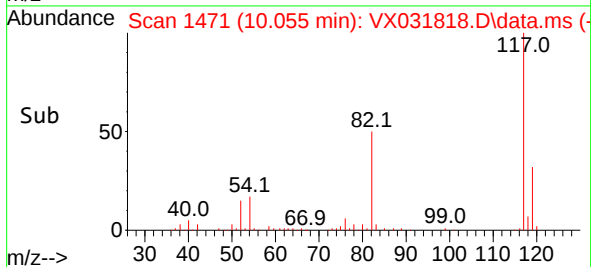
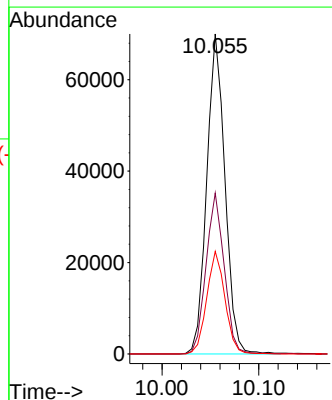
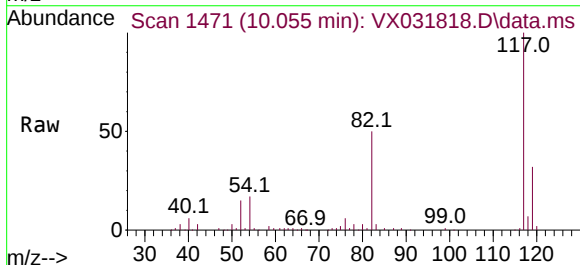
Instrument :
MSVOA_X
ClientSampleId :
IBLK

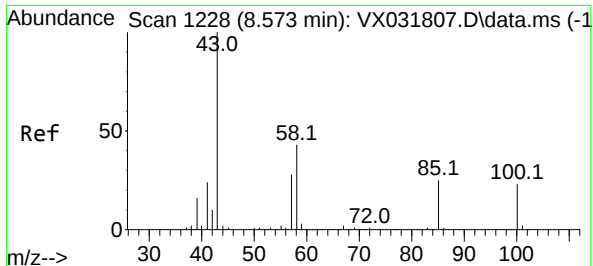
Tgt Ion:173 Resp: 450
Ion Ratio Lower Upper
173 100
175 645.3 38.6 58.0#
254 0.0 6.8 10.2#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031818.D
Acq: 30 Sep 2022 17:53

Tgt Ion:117 Resp: 91999
Ion Ratio Lower Upper
117 100
82 50.2 40.0 60.0
119 32.1 26.0 39.0





#58

4-Methyl-2-Pentanone

Concen: 0.354 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.079 min

Lab File: VX031818.D

Acq: 30 Sep 2022 17:53

Instrument :

MSVOA_X

ClientSampleId :

IBLK

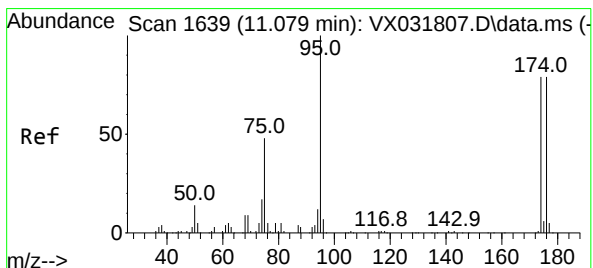
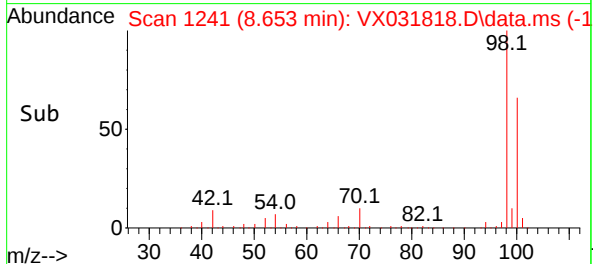
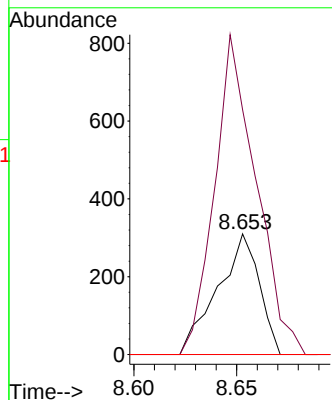
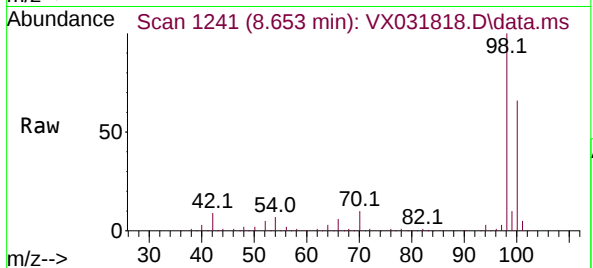
Tgt Ion: 43 Resp: 438

Ion Ratio Lower Upper

43 100

58 263.9 34.9 52.3#

85 0.0 19.4 29.2#



#60

4-Bromofluorobenzene

Concen: 28.722 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX031818.D

Acq: 30 Sep 2022 17:53

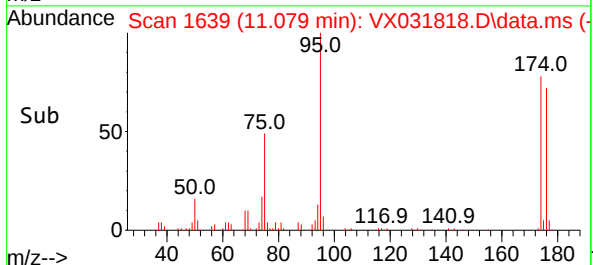
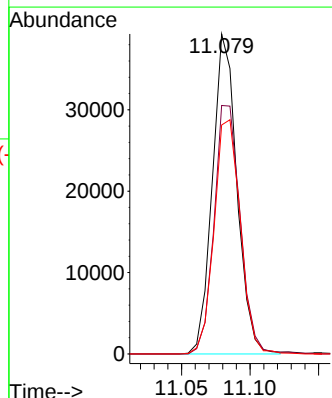
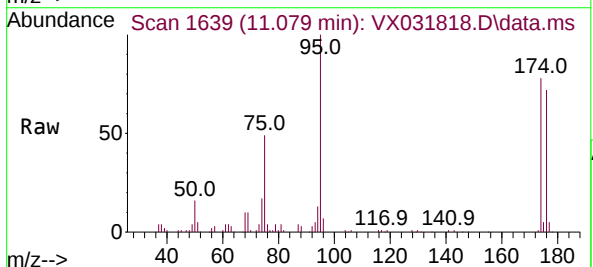
Tgt Ion: 95 Resp: 48904

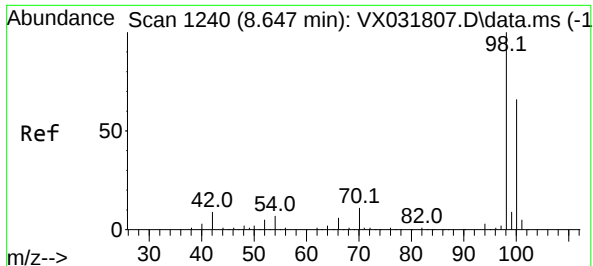
Ion Ratio Lower Upper

95 100

174 83.0 68.2 102.2

176 78.6 68.1 102.1

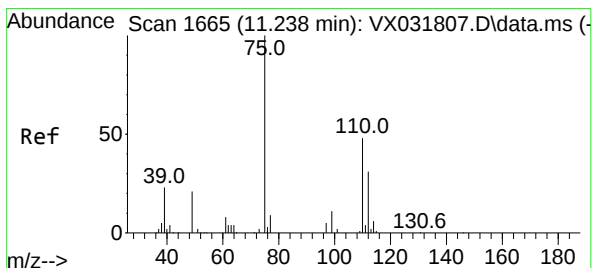
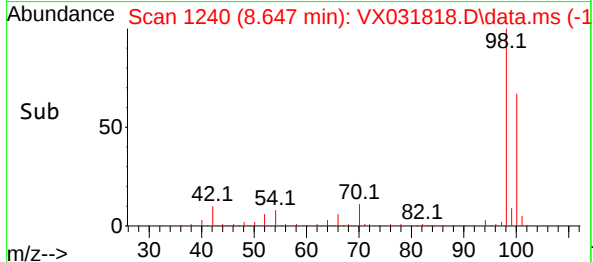
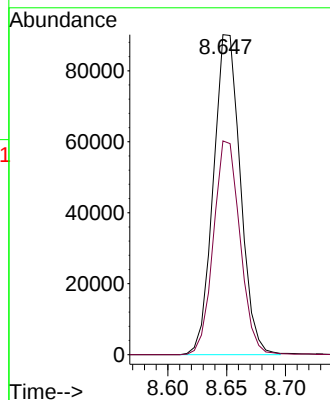
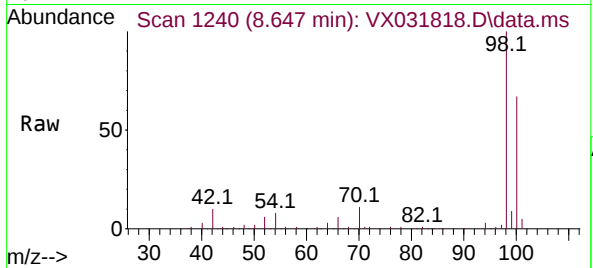




#63
Toluene-d8
Concen: 30.810 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031818.D
Acq: 30 Sep 2022 17:53

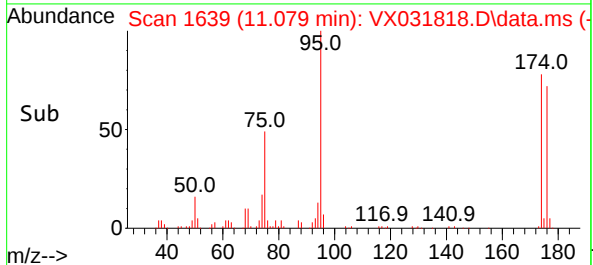
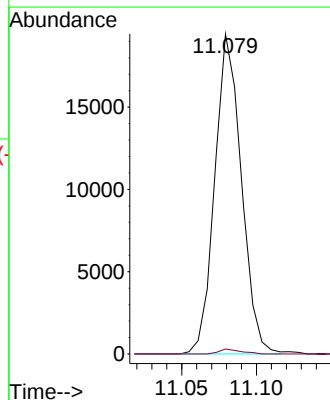
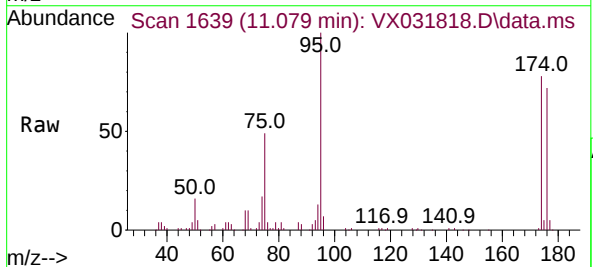
Instrument :
MSVOA_X
ClientSampleId :
IBLK

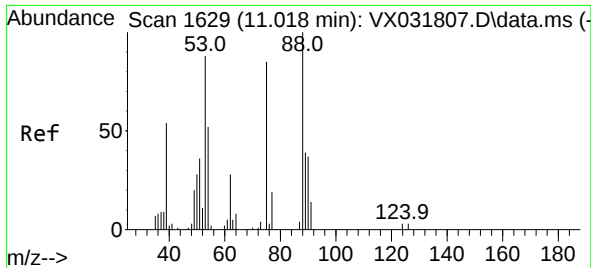
Tgt Ion: 98 Resp: 143998
Ion Ratio Lower Upper
98 100
100 65.9 53.8 80.8



#72
1,2,3-Trichloropropane
Concen: 15.420 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX031818.D
Acq: 30 Sep 2022 17:53

Tgt Ion: 75 Resp: 24042
Ion Ratio Lower Upper
75 100
77 1.3 0.0 76.6





#77
t-1,4-Dichloro-2-butene
Concen: 53.253 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX031818.D
Acq: 30 Sep 2022 17:53

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion: 75 Resp: 24042
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.4#
89 0.0 22.9 68.8#

