

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071423\
 Data File : VX036541.D
 Acq On : 13 Jul 2023 21:27
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Jul 14 04:39:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X071423W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 14 04:32:22 2023
 Response via : Initial Calibration

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

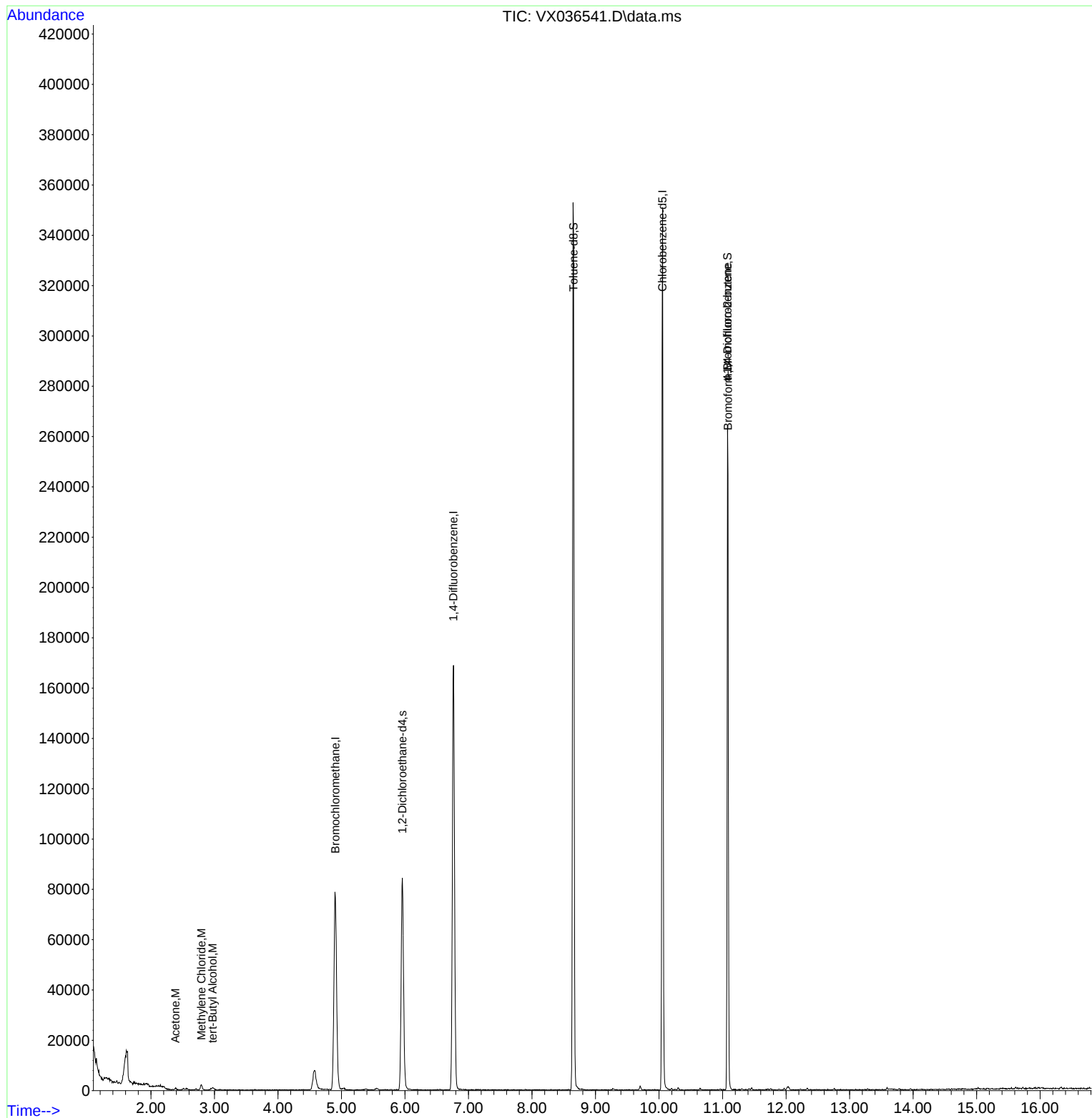
Internal Standards						
1) Bromochloromethane	4.904	128	32575	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	171208	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	154542	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	78456	29.019	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	96.733%
60) 4-Bromofluorobenzene	11.079	95	69826	27.854	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.833%
63) Toluene-d8	8.653	98	215137	30.252	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.833%
Target Compounds						
					Qvalue	
15) Acetone	2.386	58	177	0.498	ug/l #	29
18) Methylene Chloride	2.794	84	1050	0.457	ug/l #	75
23) tert-Butyl Alcohol	2.971	59	1229	2.107	ug/l #	1
56) Bromoform	11.085	173	707	0.475	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	37048	36.732	ug/l #	7

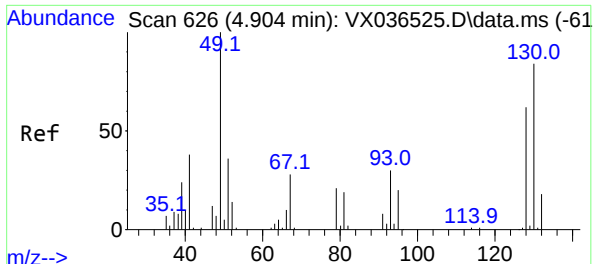
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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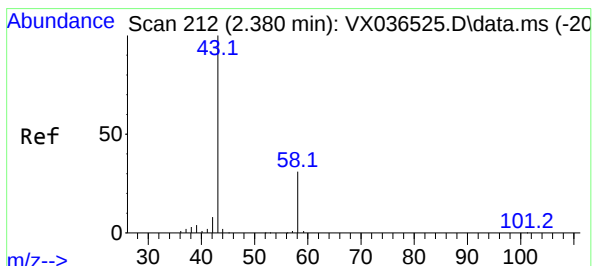
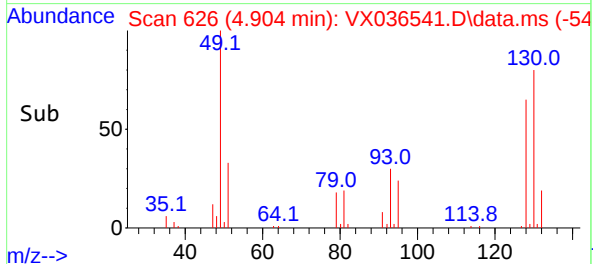
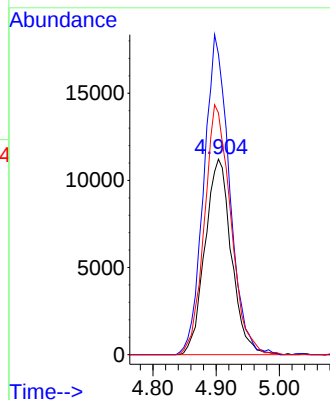
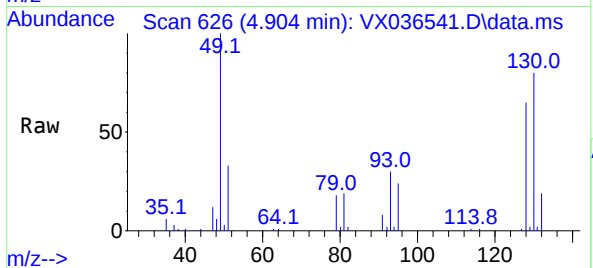




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX036541.D
Acq: 13 Jul 2023 21:27

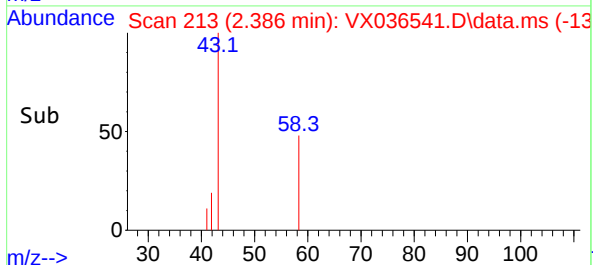
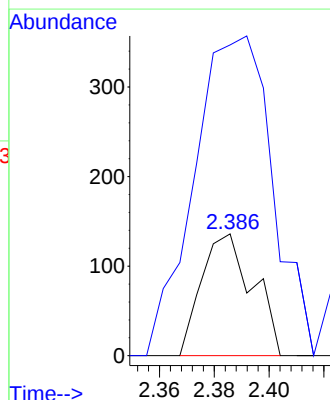
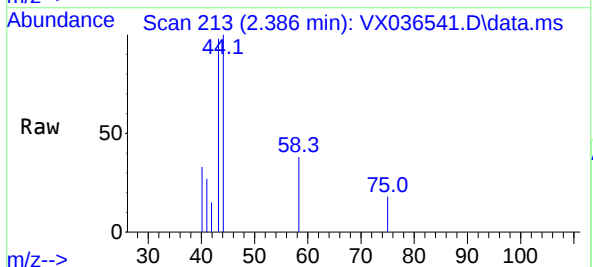
Instrument :
MSVOA_X
ClientSampleId :
IBLK

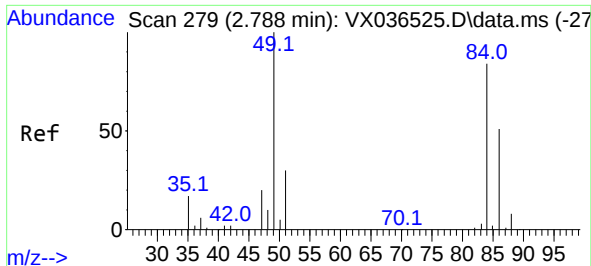
Tgt Ion:128 Resp: 32575
Ion Ratio Lower Upper
128 100
49 158.4 0.0 406.3
130 127.9 0.0 328.0



#15
Acetone
Concen: 0.498 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX036541.D
Acq: 13 Jul 2023 21:27

Tgt Ion: 58 Resp: 177
Ion Ratio Lower Upper
58 100
43 178.7 261.0 391.4#



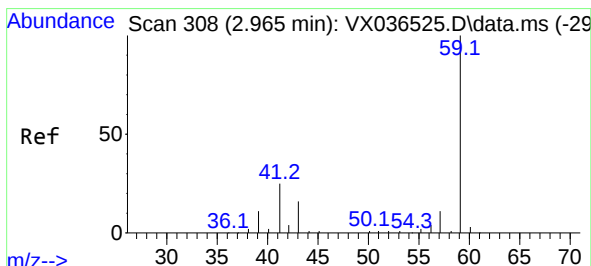
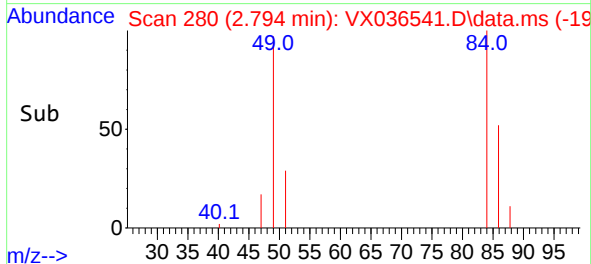
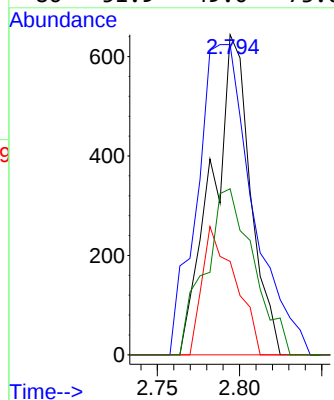
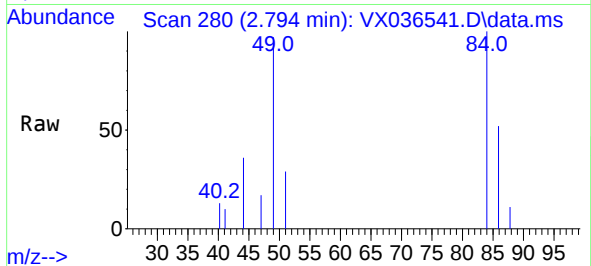


#18
Methylene Chloride
Concen: 0.457 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX036541.D
Acq: 13 Jul 2023 21:27

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion: 84 Resp: 1050

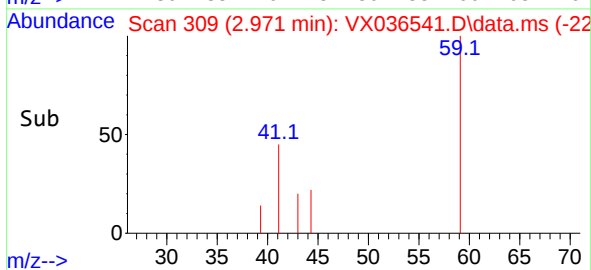
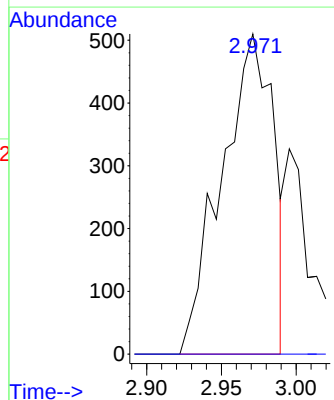
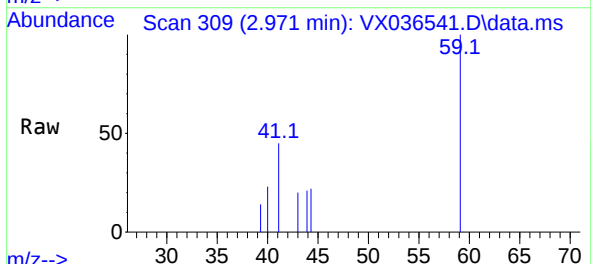
Ion	Ratio	Lower	Upper
84	100		
49	79.7	95.4	143.0#
51	29.2	28.3	42.5
86	51.9	49.0	73.6

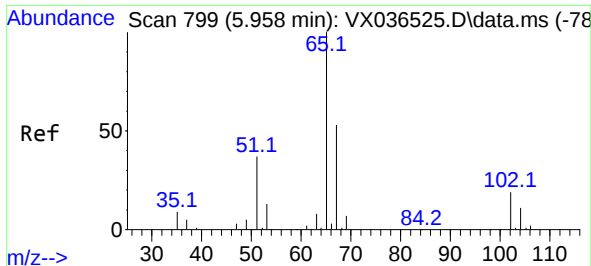


#23
tert-Butyl Alcohol
Concen: 2.107 ug/l
RT: 2.971 min Scan# 309
Delta R.T. 0.006 min
Lab File: VX036541.D
Acq: 13 Jul 2023 21:27

Tgt Ion: 59 Resp: 1229

Ion	Ratio	Lower	Upper
59	100		
52	0.0	142.6	213.8#

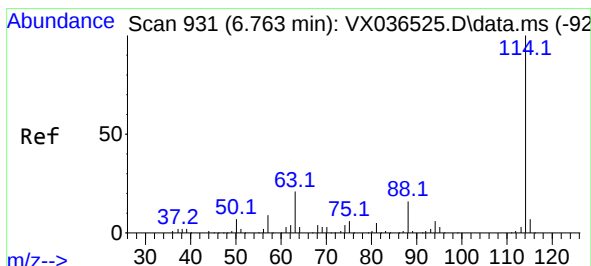
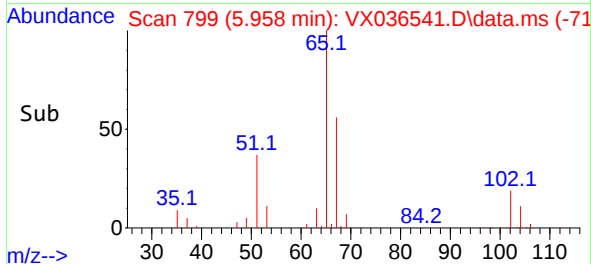
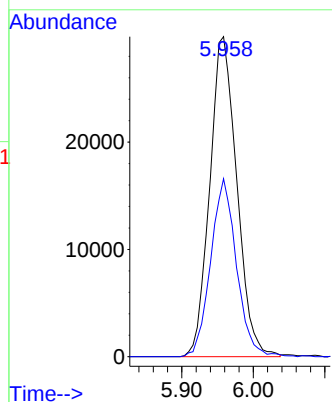
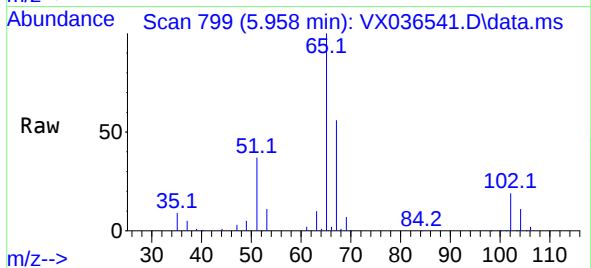




#27
1,2-Dichloroethane-d4
Concen: 29.019 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX036541.D
Acq: 13 Jul 2023 21:27

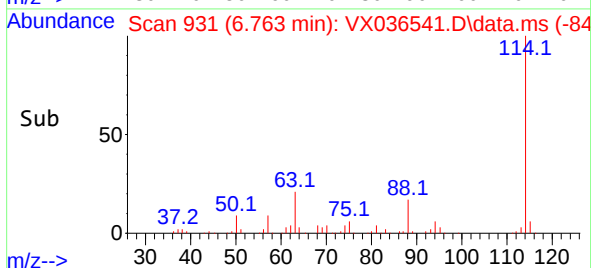
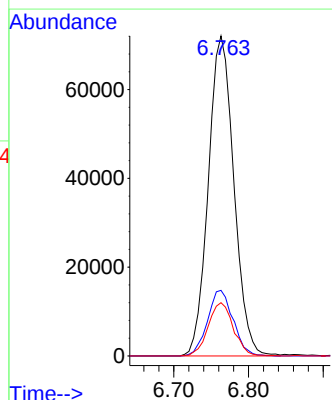
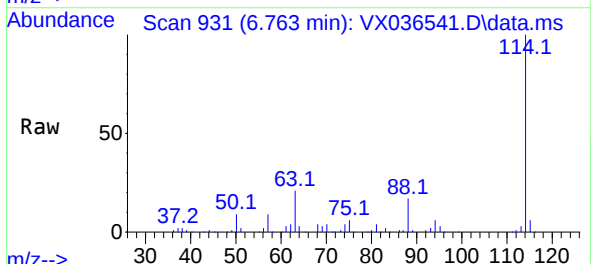
Instrument :
MSVOA_X
ClientSampleId :
IBLK

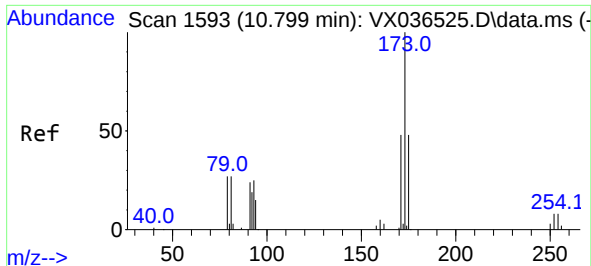
Tgt Ion: 65 Resp: 78456
Ion Ratio Lower Upper
65 100
67 52.6 42.1 63.1



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX036541.D
Acq: 13 Jul 2023 21:27

Tgt Ion: 114 Resp: 171208
Ion Ratio Lower Upper
114 100
63 20.5 16.6 24.8
88 16.5 12.9 19.3

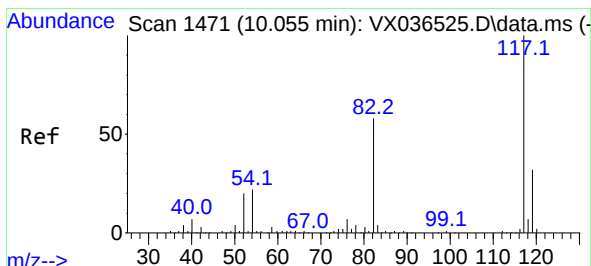
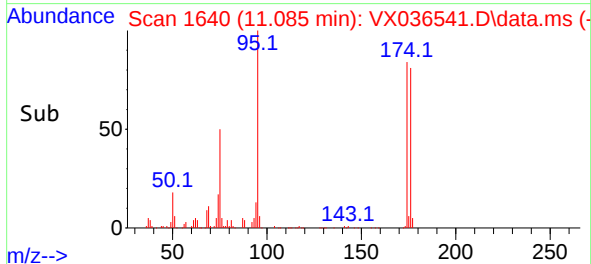
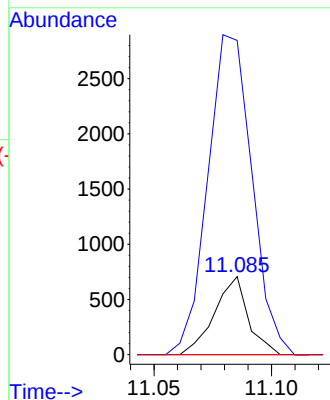
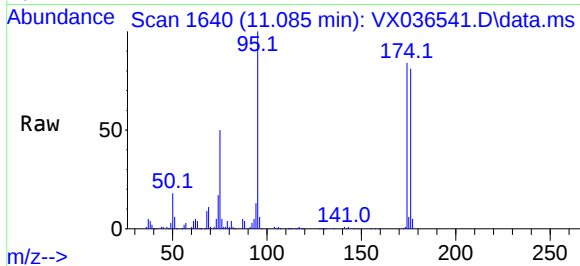




#56
Bromoform
Concen: 0.475 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.287 min
Lab File: VX036541.D
Acq: 13 Jul 2023 21:27

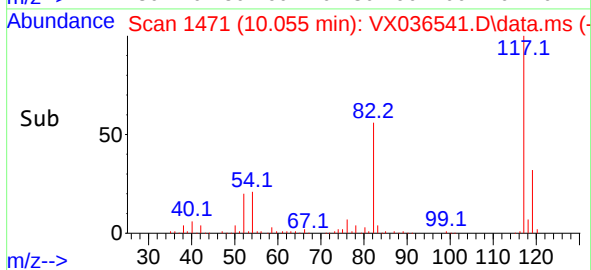
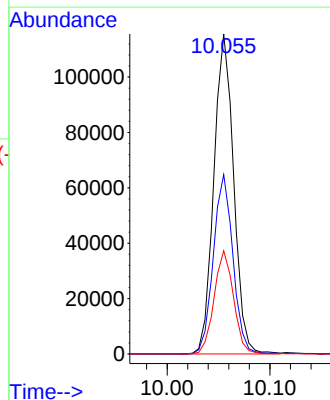
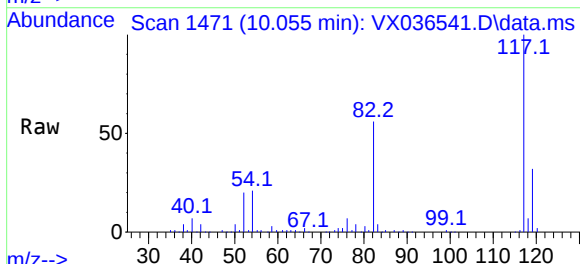
Instrument :
MSVOA_X
ClientSampleId :
IBLK

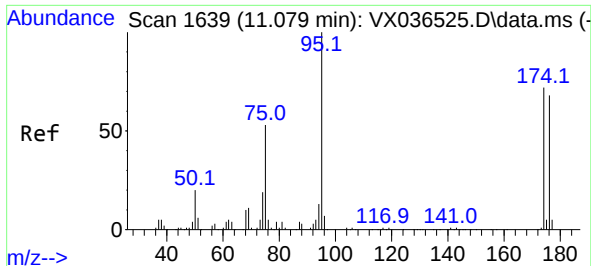
Tgt Ion:173 Resp: 707
Ion Ratio Lower Upper
173 100
175 535.6 38.1 57.1#
254 0.0 6.7 10.1#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036541.D
Acq: 13 Jul 2023 21:27

Tgt Ion:117 Resp: 154542
Ion Ratio Lower Upper
117 100
82 55.5 44.7 67.1
119 31.6 25.6 38.4

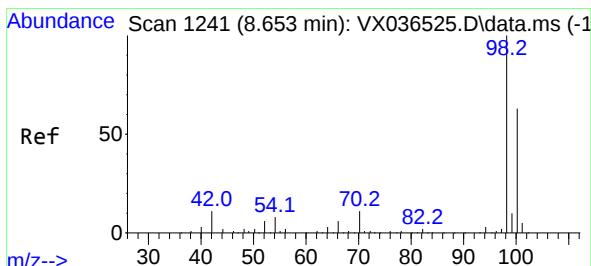
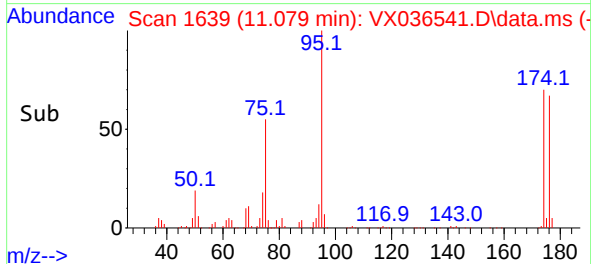
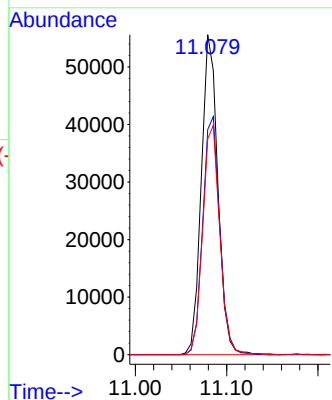
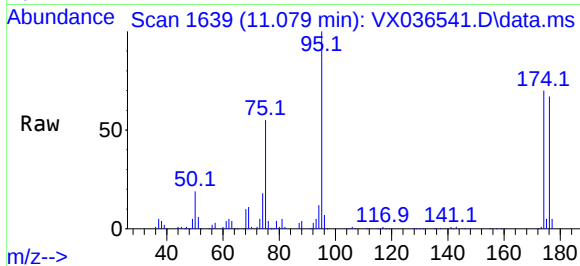




#60
4-Bromofluorobenzene
Concen: 27.854 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX036541.D
Acq: 13 Jul 2023 21:27

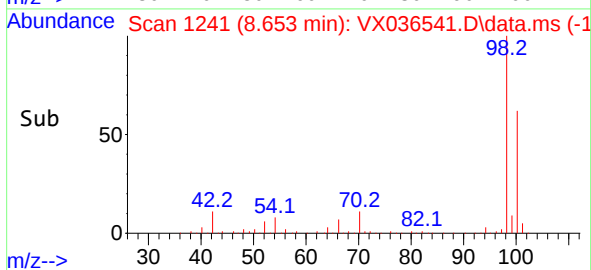
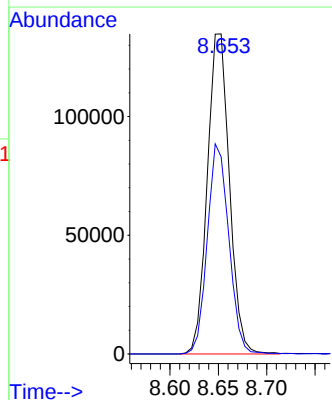
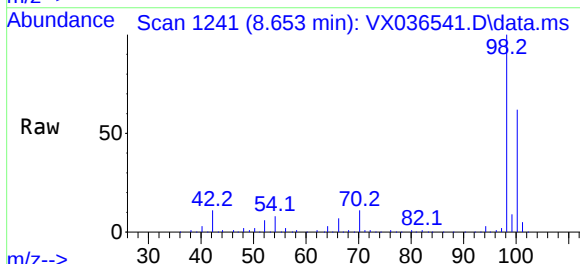
Instrument :
MSVOA_X
ClientSampleId :
IBLK

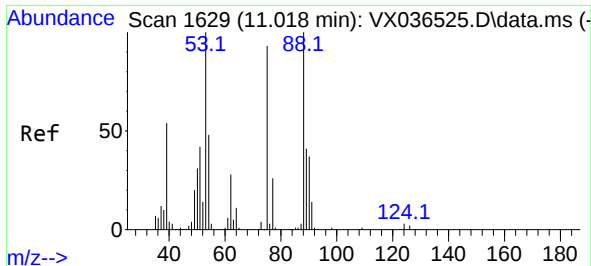
Tgt Ion: 95 Resp: 69826
Ion Ratio Lower Upper
95 100
174 76.7 60.5 90.7
176 73.6 58.2 87.4



#63
Toluene-d8
Concen: 30.252 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX036541.D
Acq: 13 Jul 2023 21:27

Tgt Ion: 98 Resp: 215137
Ion Ratio Lower Upper
98 100
100 63.8 51.6 77.4





#77
 t-1,4-Dichloro-2-butene
 Concen: 36.732 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX036541.D
 Acq: 13 Jul 2023 21:27

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Tgt Ion: 75 Resp: 37048
 Ion Ratio Lower Upper
 75 100
 53 0.0 53.9 161.7#
 89 0.0 22.1 66.1#

