

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071523\
 Data File : VX036552.D
 Acq On : 14 Jul 2023 10:34
 Operator : JC/MD
 Sample : VX0715WBL02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0715WBL02

Quant Time: Jul 17 01:27:11 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)

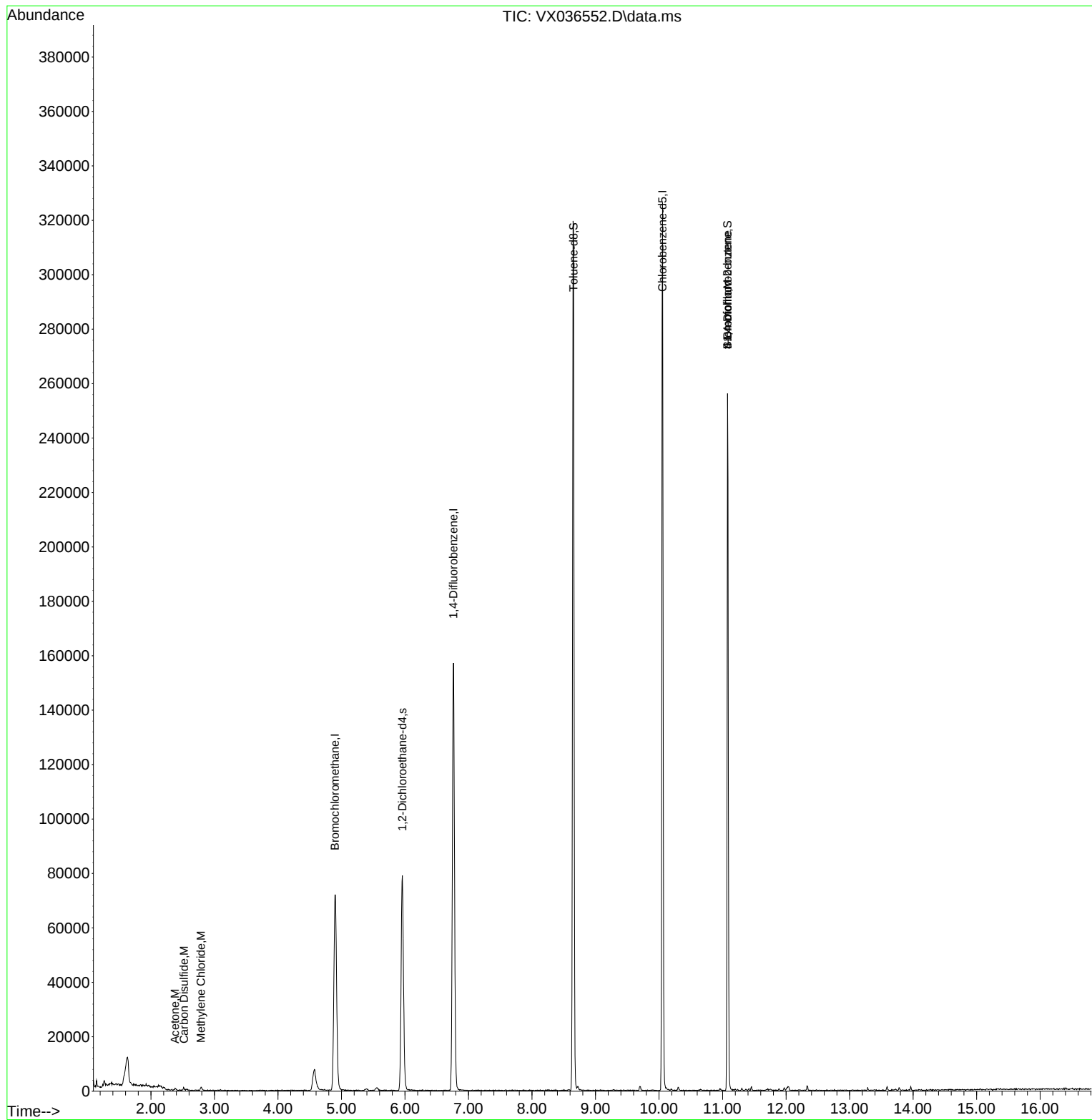
Internal Standards						
1) Bromochloromethane	4.897	128	30333	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	158162	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	144426	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	73387	29.150	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	97.167%	
60) 4-Bromofluorobenzene	11.079	95	66337	28.316	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	94.400%	
63) Toluene-d8	8.653	98	196479	29.564	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	98.533%	
Target Compounds						
					Qvalue	
15) Acetone	2.379	58	111	0.335	ug/l #	42
16) Carbon Disulfide	2.520	76	1117	0.259	ug/l #	92
18) Methylene Chloride	2.788	84	708	0.331	ug/l #	64
56) Bromoform	11.079	173	696	0.506	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	35710	37.886	ug/l #	7

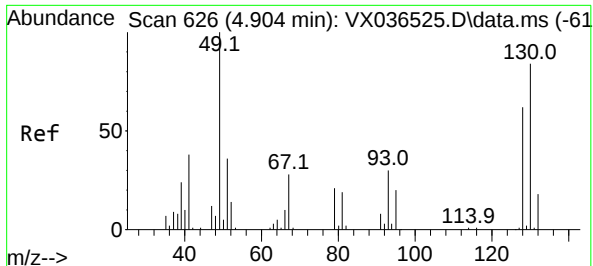
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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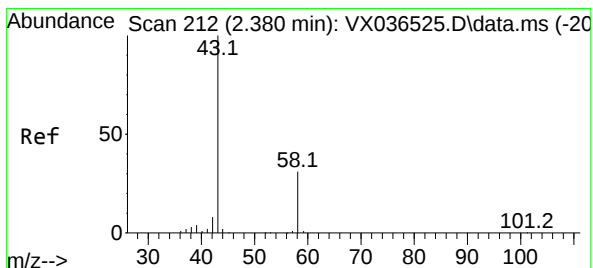
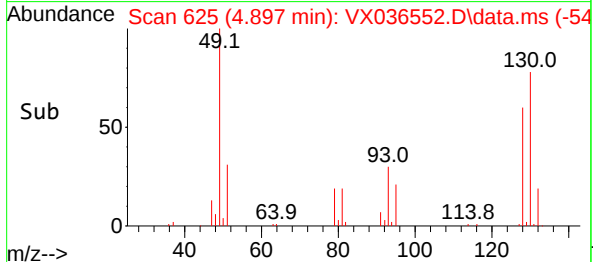
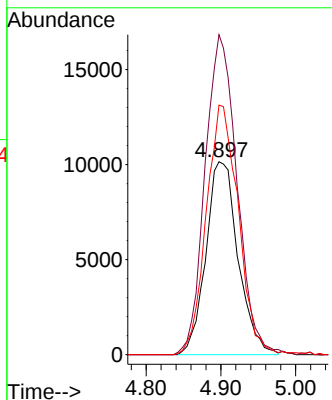
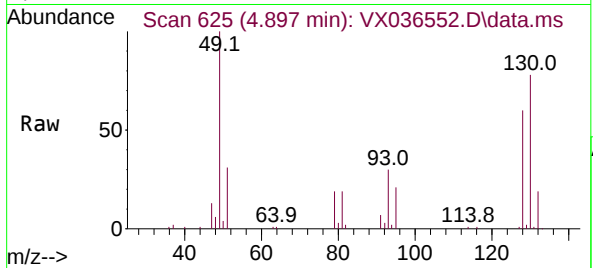




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. -0.007 min
Lab File: VX036552.D
Acq: 14 Jul 2023 10:34

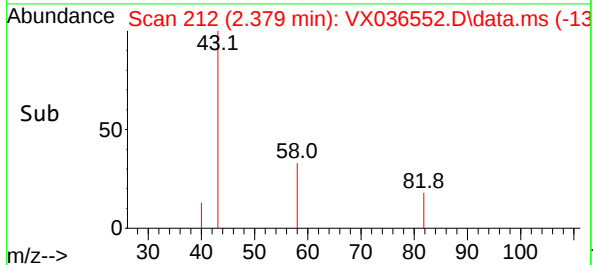
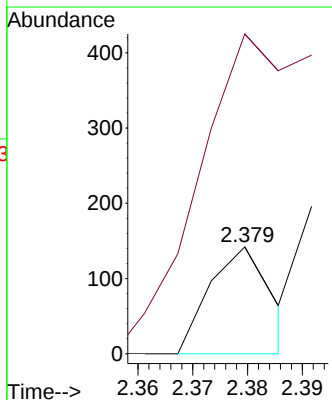
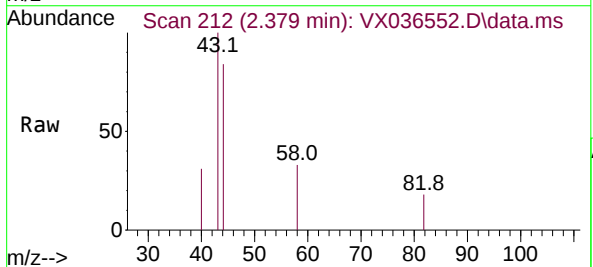
Instrument :
MSVOA_X
ClientSampleId :
VX0715WBL02

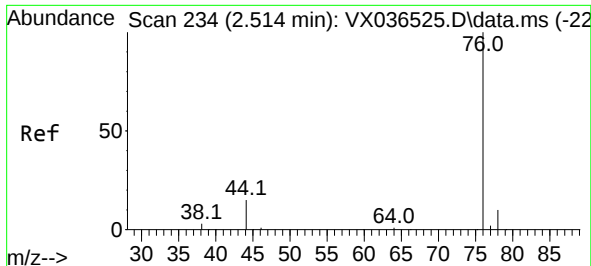
Tgt Ion:128 Resp: 30333
Ion Ratio Lower Upper
128 100
49 164.8 0.0 406.3
130 129.0 0.0 328.0



#15
Acetone
Concen: 0.335 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX036552.D
Acq: 14 Jul 2023 10:34

Tgt Ion: 58 Resp: 111
Ion Ratio Lower Upper
58 100
43 205.6 261.0 391.4#

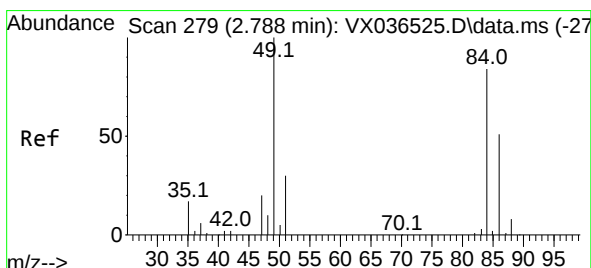
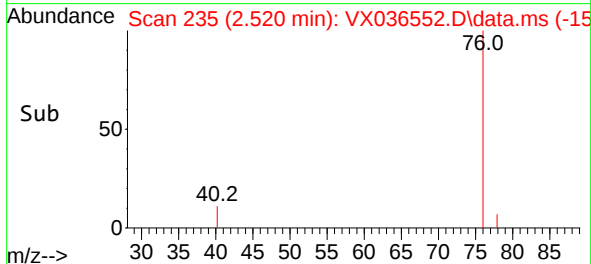
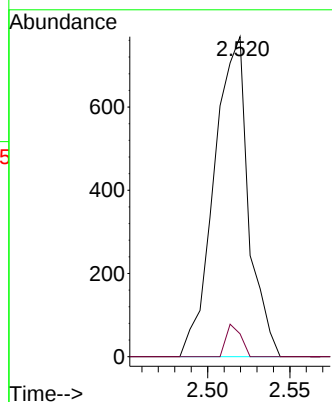
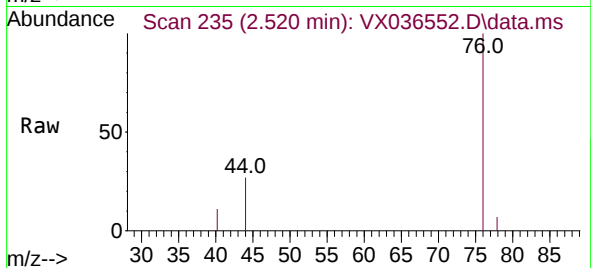




#16
Carbon Disulfide
Concen: 0.259 ug/l
RT: 2.520 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX036552.D
Acq: 14 Jul 2023 10:34

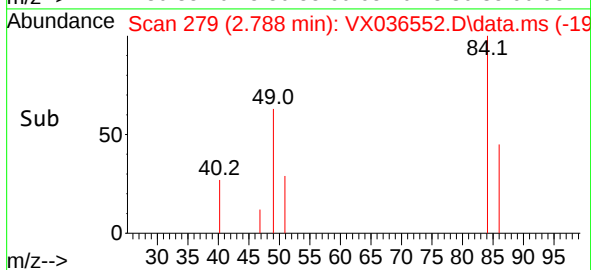
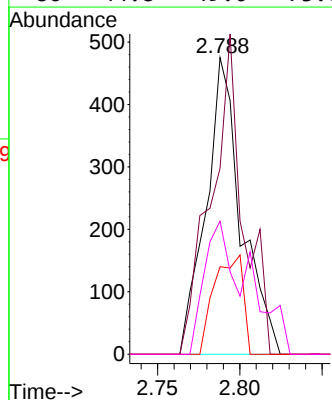
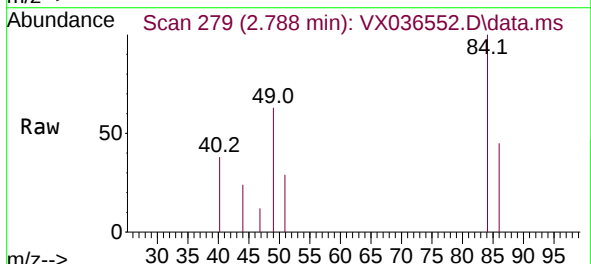
Instrument :
MSVOA_X
ClientSampleId :
VX0715WBL02

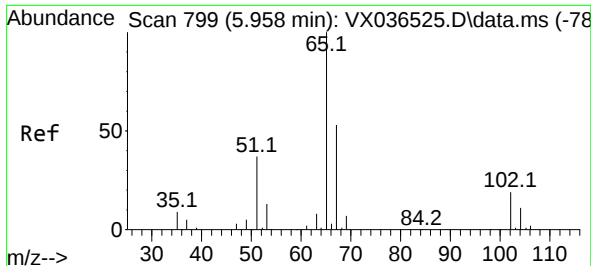
Tgt Ion: 76 Resp: 1117
Ion Ratio Lower Upper
76 100
78 7.2 8.0 12.0#



#18
Methylene Chloride
Concen: 0.331 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX036552.D
Acq: 14 Jul 2023 10:34

Tgt Ion: 84 Resp: 708
Ion Ratio Lower Upper
84 100
49 62.7 95.4 143.0#
51 29.5 28.3 42.5
86 44.8 49.0 73.6#

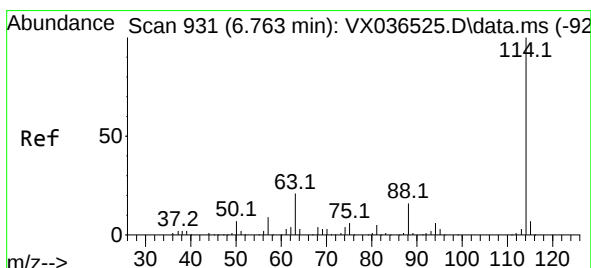
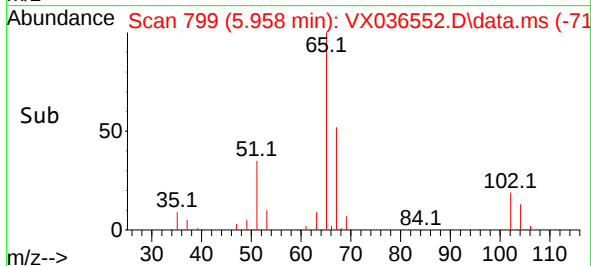
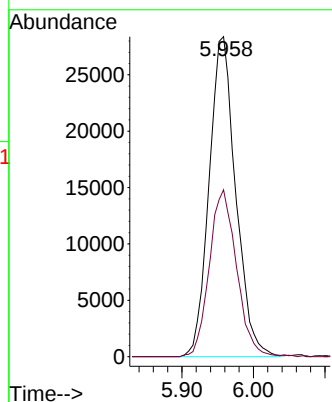
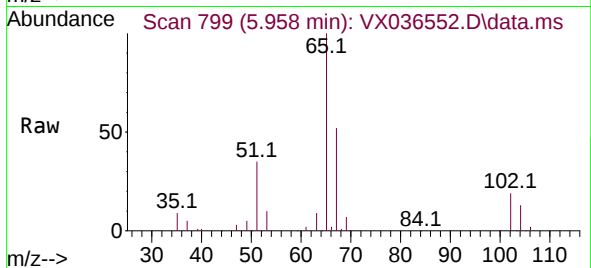




#27
 1,2-Dichloroethane-d4
 Concen: 29.150 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. -0.000 min
 Lab File: VX036552.D
 Acq: 14 Jul 2023 10:34

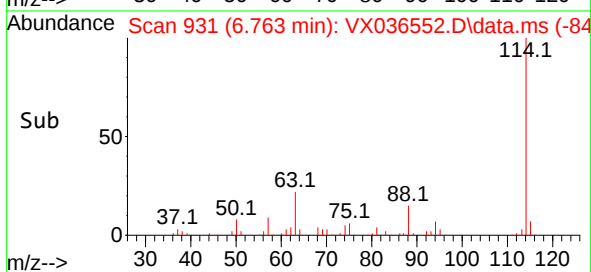
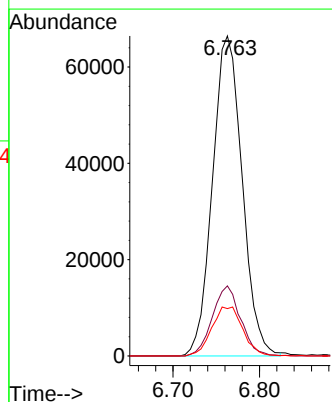
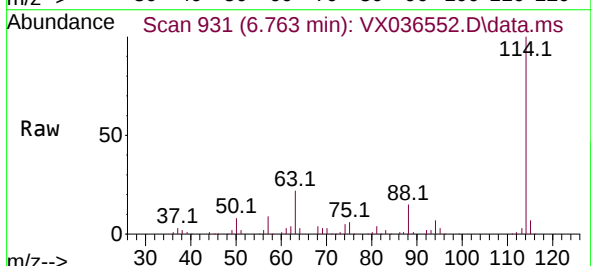
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0715WBL02

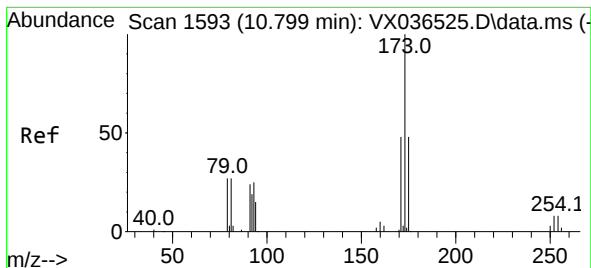
Tgt Ion: 65 Resp: 73387
 Ion Ratio Lower Upper
 65 100
 67 53.2 42.1 63.1



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX036552.D
 Acq: 14 Jul 2023 10:34

Tgt Ion: 114 Resp: 158162
 Ion Ratio Lower Upper
 114 100
 63 20.9 16.6 24.8
 88 16.0 12.9 19.3





#56

Bromoform

Concen: 0.506 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.280 min

Lab File: VX036552.D

Acq: 14 Jul 2023 10:34

Instrument :

MSVOA_X

ClientSampleId :

VX0715WBL02

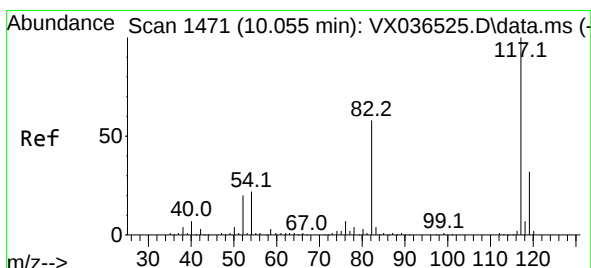
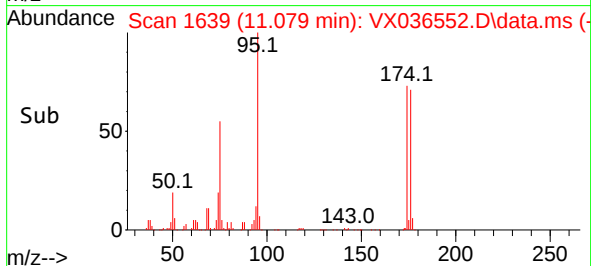
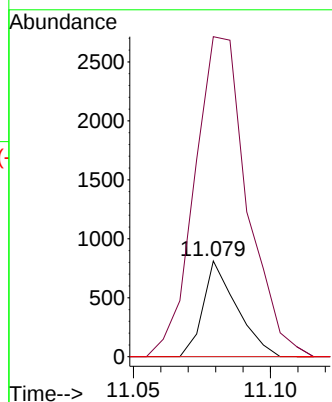
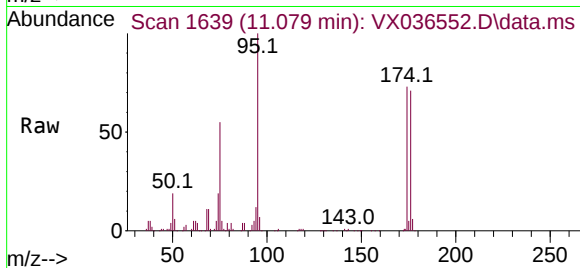
Tgt Ion:173 Resp: 696

Ion Ratio Lower Upper

173 100

175 523.3 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: VX036552.D

Acq: 14 Jul 2023 10:34

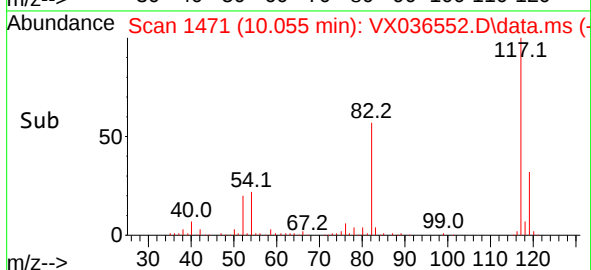
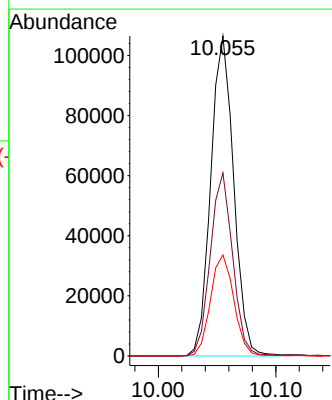
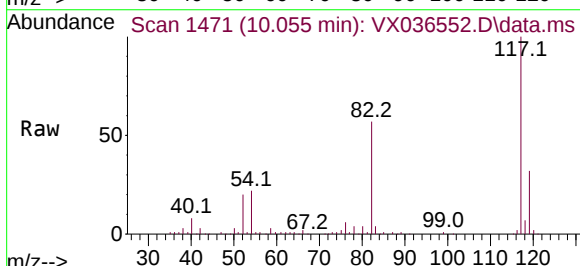
Tgt Ion:117 Resp: 144426

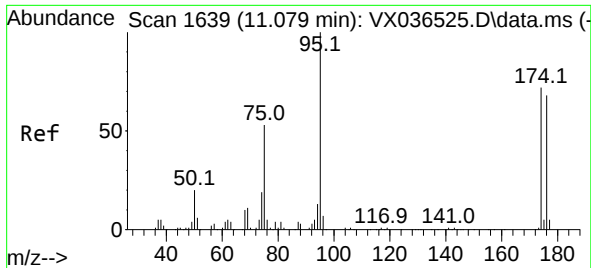
Ion Ratio Lower Upper

117 100

82 55.8 44.7 67.1

119 32.1 25.6 38.4

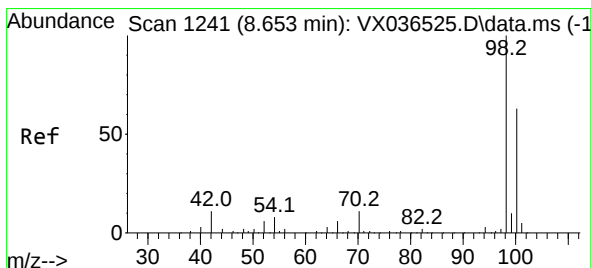
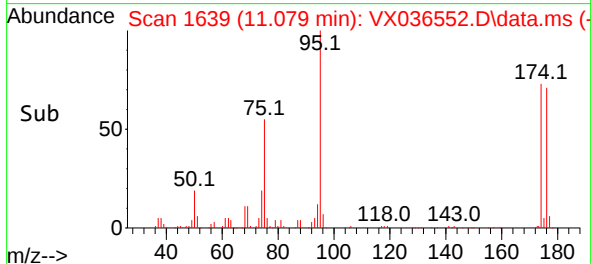
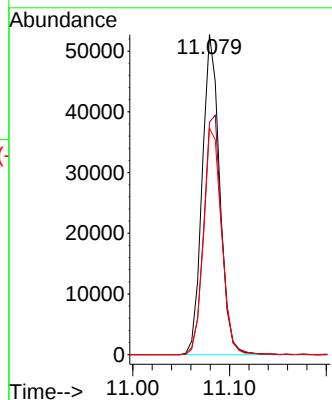
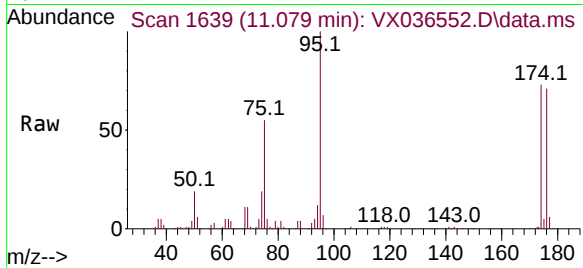




#60
4-Bromofluorobenzene
Concen: 28.316 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX036552.D
Acq: 14 Jul 2023 10:34

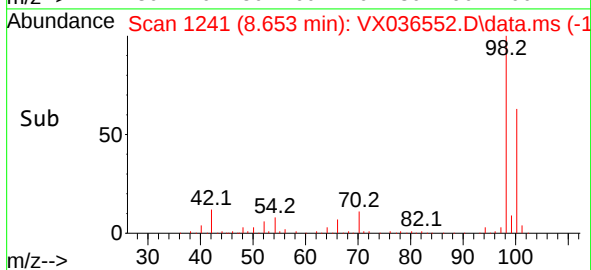
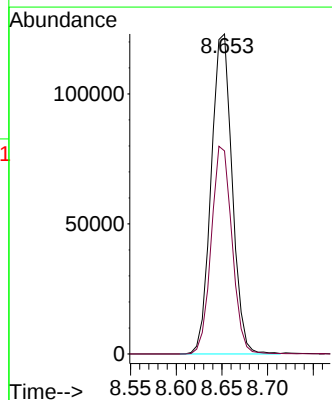
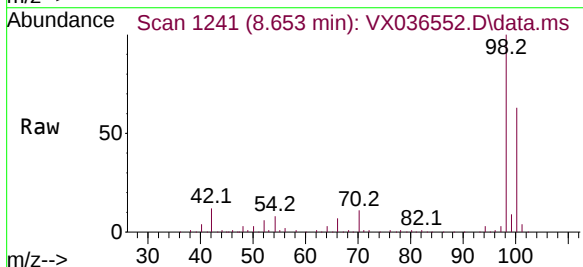
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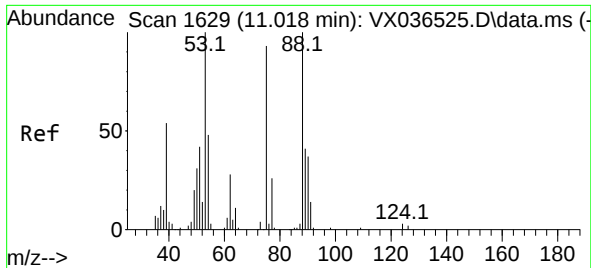
Tgt Ion: 95 Resp: 66337
Ion Ratio Lower Upper
95 100
174 76.6 60.5 90.7
176 72.8 58.2 87.4



#63
Toluene-d8
Concen: 29.564 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX036552.D
Acq: 14 Jul 2023 10:34

Tgt Ion: 98 Resp: 196479
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4





#77
 t-1,4-Dichloro-2-butene
 Concen: 37.886 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX036552.D
 Acq: 14 Jul 2023 10:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0715WBL02

Tgt Ion: 75 Resp: 35710
 Ion Ratio Lower Upper
 75 100
 53 0.0 53.9 161.7#
 89 0.0 22.1 66.1#

