

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020725\
 Data File : VX044859.D
 Acq On : 07 Feb 2025 11:24
 Operator : JC/MD
 Sample : VX0207WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0207WBL01

Quant Time: Feb 07 22:13:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 17 01:21:41 2025
 Response via : Initial Calibration

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

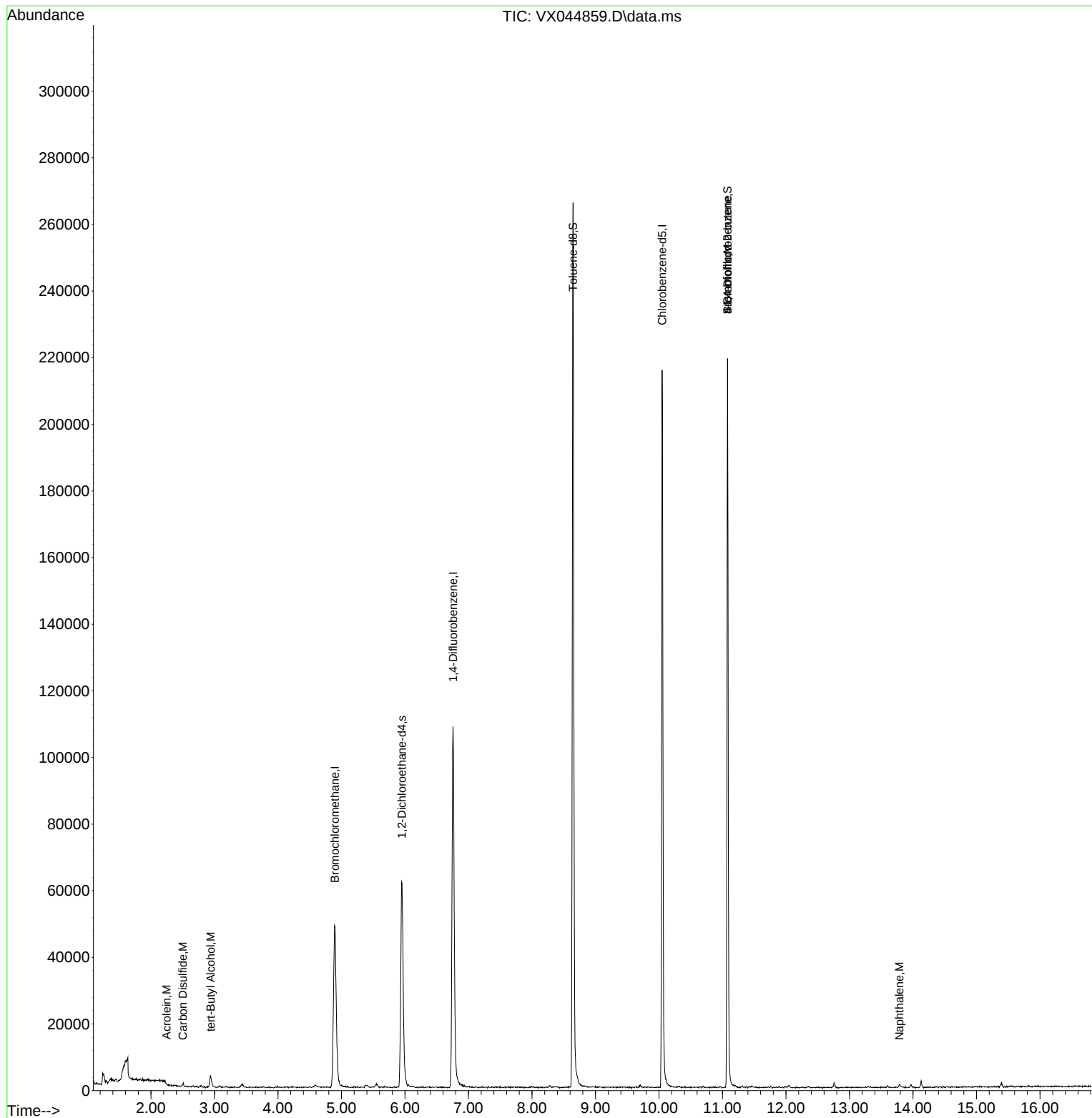
Internal Standards						
1) Bromochloromethane	4.898	128	20510	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	114099	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	99648	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	58004	29.295	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	97.633%
60) 4-Bromofluorobenzene	11.079	95	60822	31.424	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	104.733%
63) Toluene-d8	8.647	98	164674	30.384	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.267%
Target Compounds						
					Qvalue	
13) Acrolein	2.246	56	78	0.319	ug/l #	75
16) Carbon Disulfide	2.502	76	1011	0.240	ug/l #	75
23) tert-Butyl Alcohol	2.941	59	1947	4.995	ug/l #	98
56) Bromoform	11.079	173	378	0.316	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	30865	34.735	ug/l #	13
91) Naphthalene	13.786	128	1406	0.220	ug/l #	89

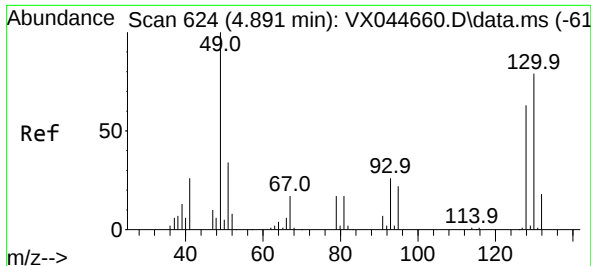
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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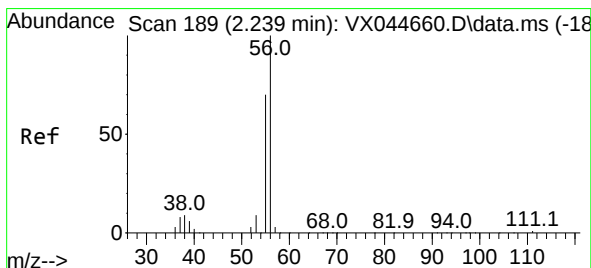
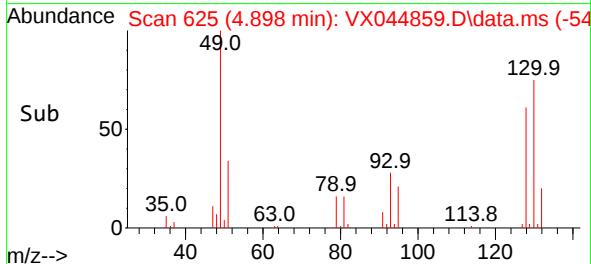
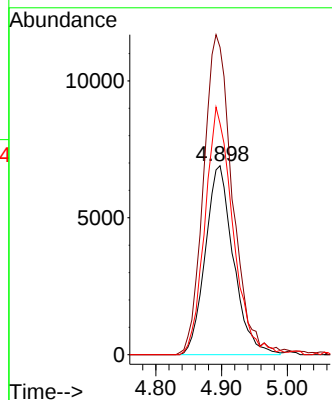
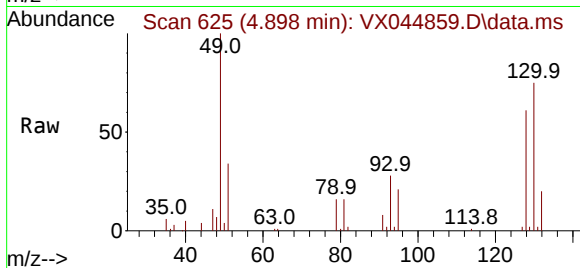




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.898 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX044859.D
Acq: 07 Feb 2025 11:24

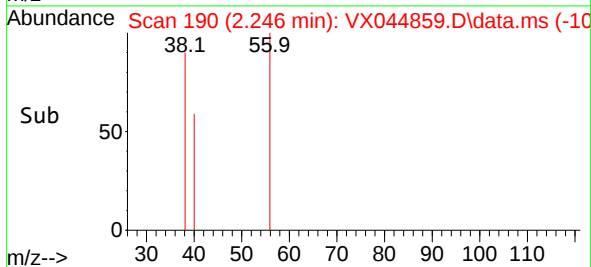
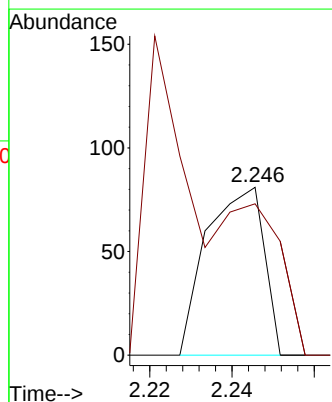
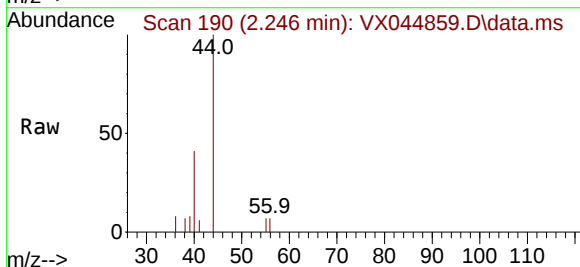
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBL01

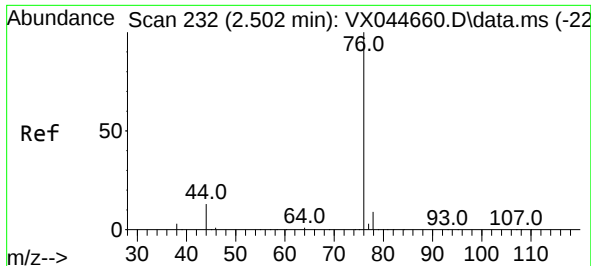
Tgt Ion:128 Resp: 20510
Ion Ratio Lower Upper
128 100
49 171.6 0.0 411.5
130 128.1 0.0 324.3



#13
Acrolein
Concen: 0.319 ug/l
RT: 2.246 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX044859.D
Acq: 07 Feb 2025 11:24

Tgt Ion: 56 Resp: 78
Ion Ratio Lower Upper
56 100
55 92.3 57.5 86.3#

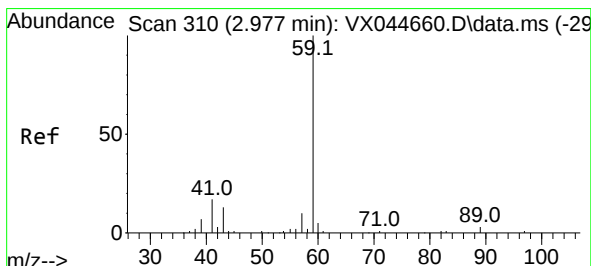
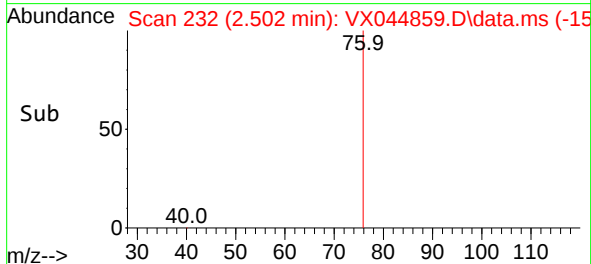
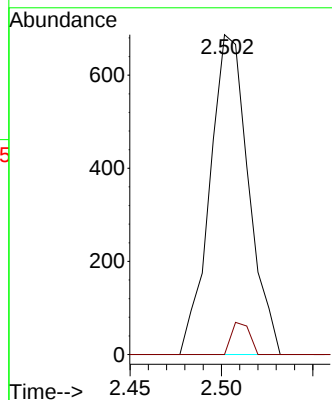
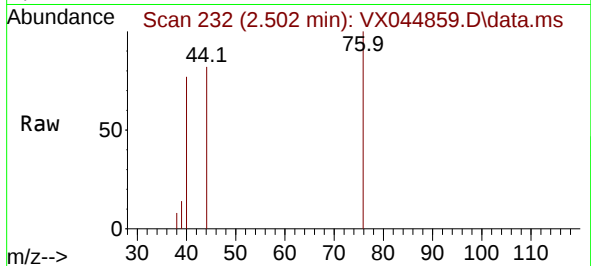




#16
Carbon Disulfide
Concen: 0.240 ug/l
RT: 2.502 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX044859.D
Acq: 07 Feb 2025 11:24

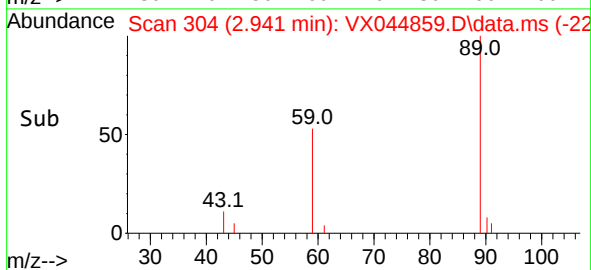
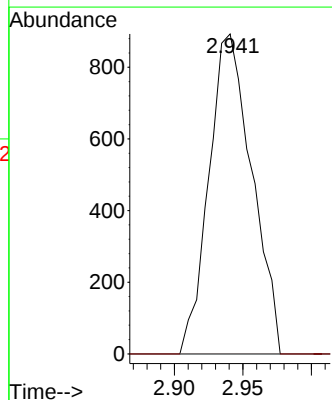
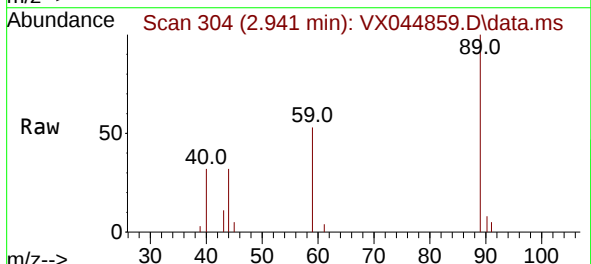
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBL01

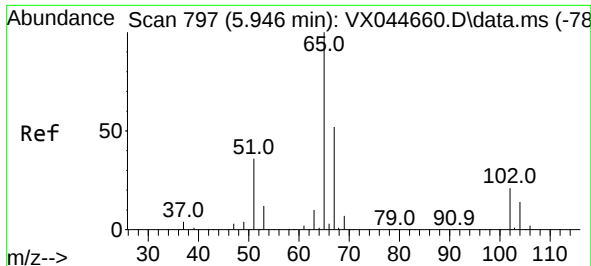
Tgt Ion: 76 Resp: 1011
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#23
tert-Butyl Alcohol
Concen: 4.995 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.036 min
Lab File: VX044859.D
Acq: 07 Feb 2025 11:24

Tgt Ion: 59 Resp: 1947
Ion Ratio Lower Upper
59 100
52 3.9 0.1 0.1#

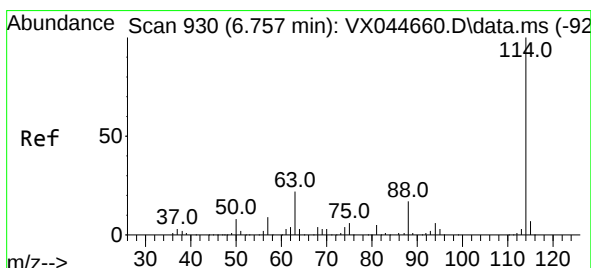
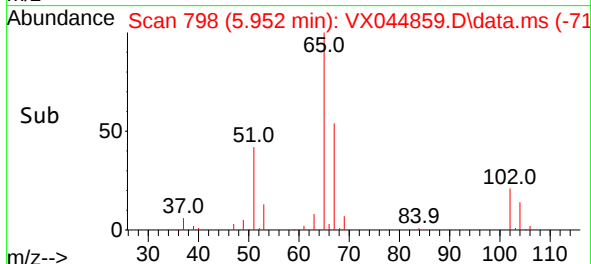
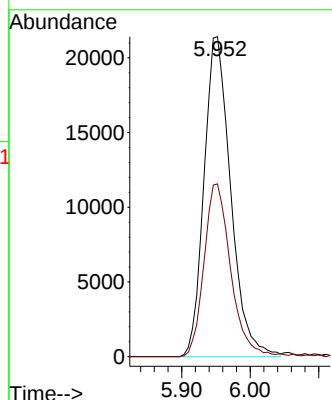
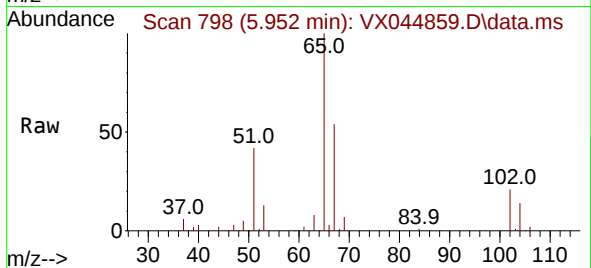




#27
 1,2-Dichloroethane-d4
 Concen: 29.295 ug/l
 RT: 5.952 min Scan# 797
 Delta R.T. 0.006 min
 Lab File: VX044859.D
 Acq: 07 Feb 2025 11:24

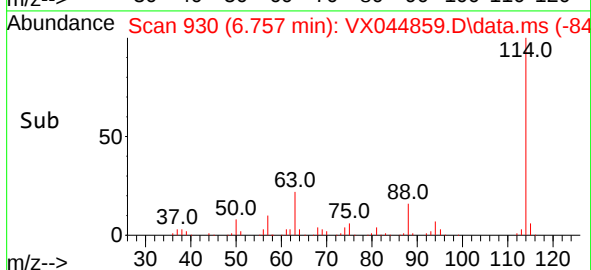
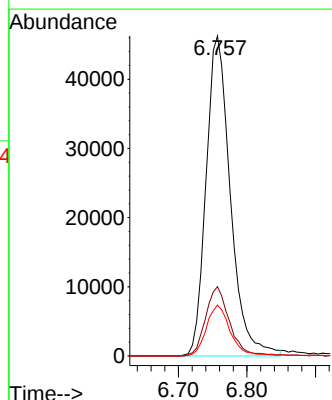
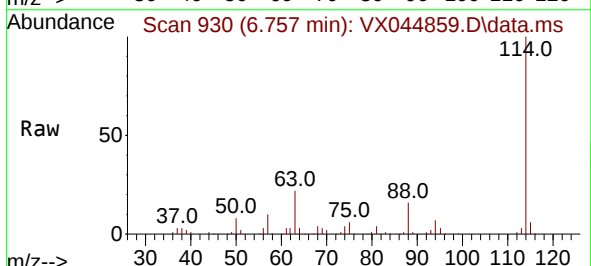
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0207WBL01

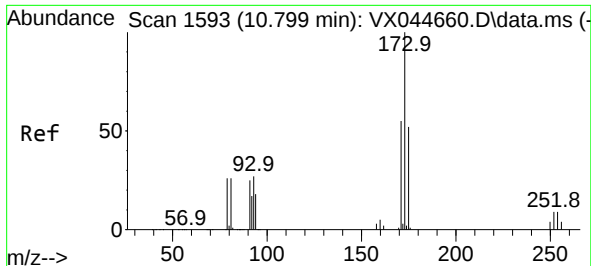
Tgt Ion: 65 Resp: 58004
 Ion Ratio Lower Upper
 65 100
 67 53.8 41.4 62.2



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX044859.D
 Acq: 07 Feb 2025 11:24

Tgt Ion: 114 Resp: 114099
 Ion Ratio Lower Upper
 114 100
 63 21.3 16.6 24.8
 88 15.3 13.4 20.2

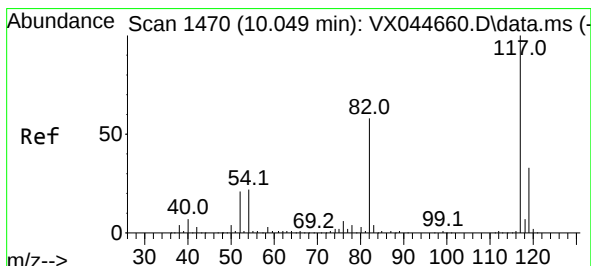
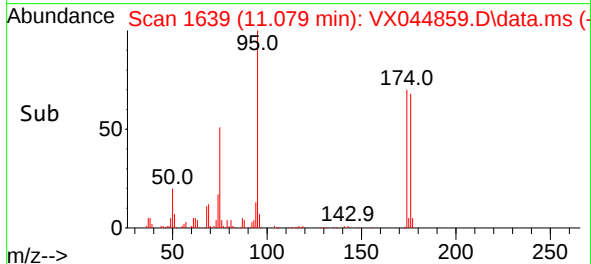
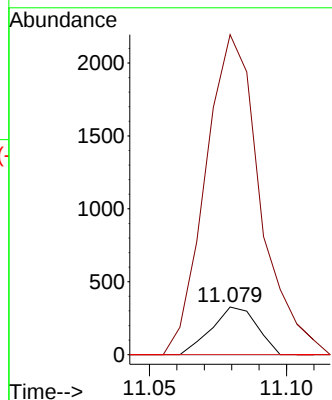
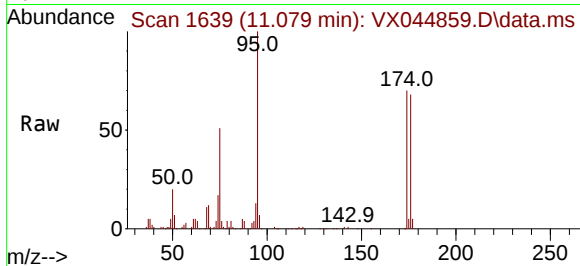




#56
Bromoform
Concen: 0.316 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.281 min
Lab File: VX044859.D
Acq: 07 Feb 2025 11:24

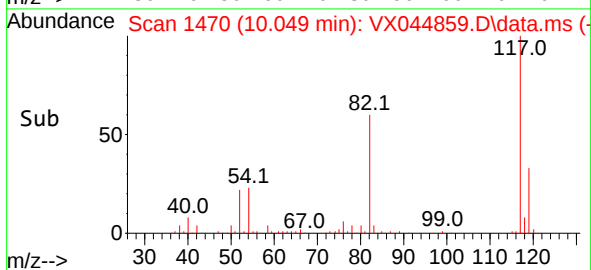
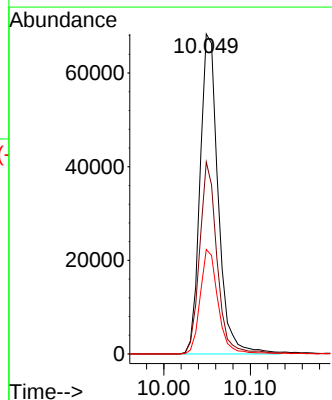
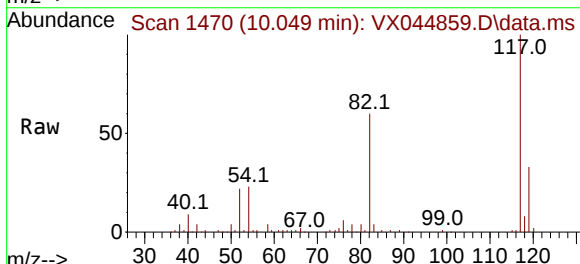
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VX0207WBL01

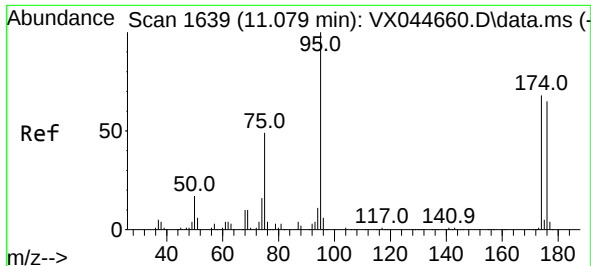
Tgt Ion:173 Resp: 378
Ion Ratio Lower Upper
173 100
175 808.5 39.0 58.6#
254 0.0 6.5 9.7#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044859.D
Acq: 07 Feb 2025 11:24

Tgt Ion:117 Resp: 99648
Ion Ratio Lower Upper
117 100
82 56.8 45.8 68.6
119 32.0 25.8 38.6

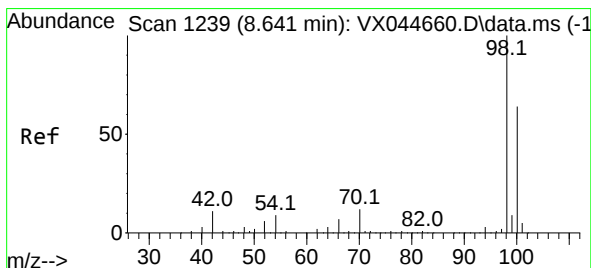
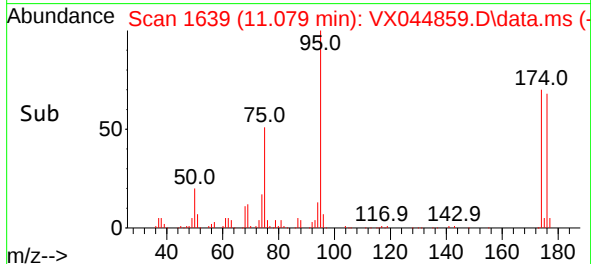
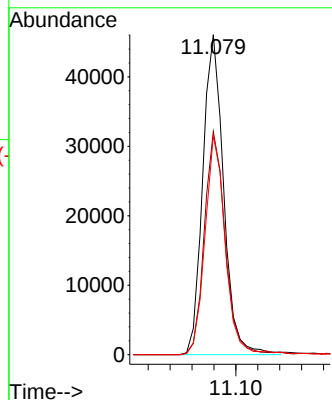
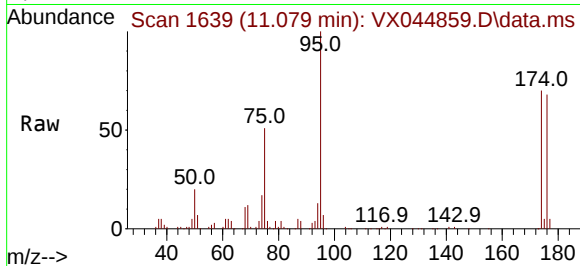




#60
4-Bromofluorobenzene
Concen: 31.424 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044859.D
Acq: 07 Feb 2025 11:24

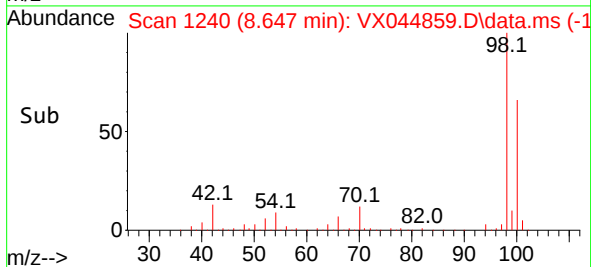
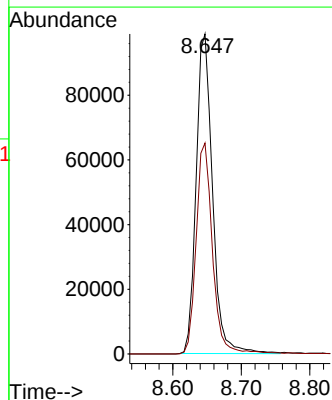
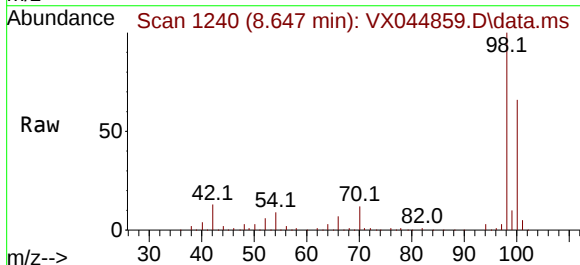
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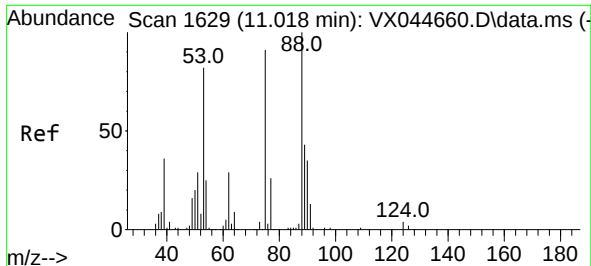
Tgt Ion: 95 Resp: 60822
Ion Ratio Lower Upper
95 100
174 69.5 54.6 81.8
176 65.5 52.8 79.2



#63
Toluene-d8
Concen: 30.384 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX044859.D
Acq: 07 Feb 2025 11:24

Tgt Ion: 98 Resp: 164674
Ion Ratio Lower Upper
98 100
100 65.9 53.6 80.4

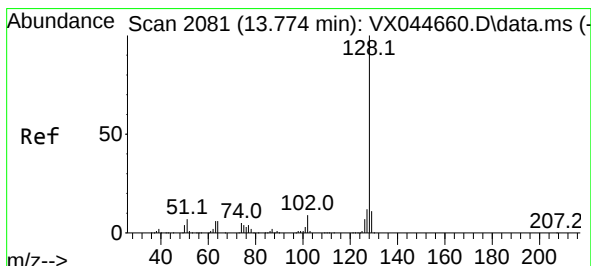
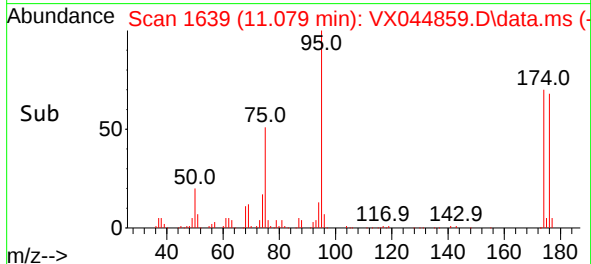
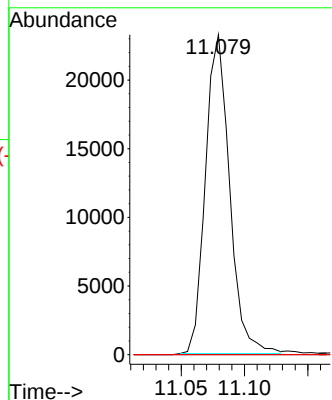
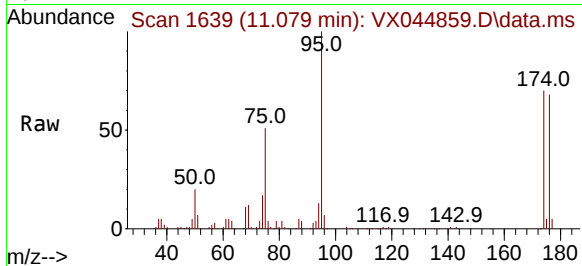




#77
t-1,4-Dichloro-2-butene
Concen: 34.735 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX044859.D
Acq: 07 Feb 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0207WBL01

Tgt Ion: 75 Resp: 30865
Ion Ratio Lower Upper
75 100
53 0.0 45.3 135.9#
89 0.0 23.8 71.2#



#91
Naphthalene
Concen: 0.220 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.012 min
Lab File: VX044859.D
Acq: 07 Feb 2025 11:24

Tgt Ion: 128 Resp: 1406
Ion Ratio Lower Upper
128 100
127 9.1 10.2 15.4#
129 6.1 9.0 13.6#

