

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030425\
 Data File : VX045122.D
 Acq On : 04 Mar 2025 10:04
 Operator : JC/MD
 Sample : VX0304WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0304WBL01

Quant Time: Mar 05 00:46:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Feb 22 01:06:36 2025
 Response via : Initial Calibration

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

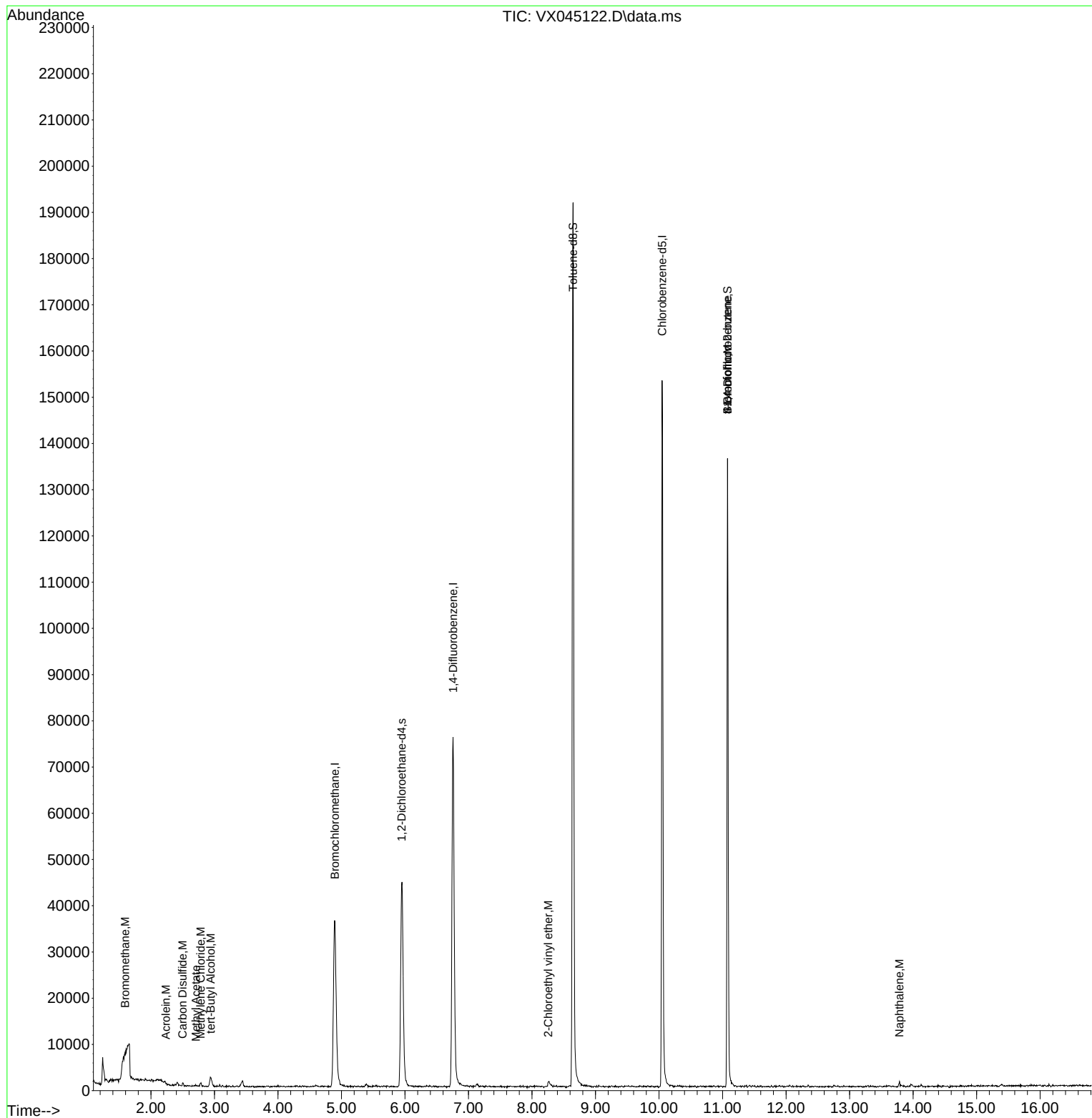
Internal Standards						
1) Bromochloromethane	4.897	128	14872	30.000	ug/l	0.01
28) 1,4-Difluorobenzene	6.757	114	78579	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	69103	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	43219	29.921	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.733%
60) 4-Bromofluorobenzene	11.079	95	35500	27.485	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.600%
63) Toluene-d8	8.647	98	115602	30.239	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.800%
Target Compounds						
					Qvalue	
5) Bromomethane	1.593	94	132	0.262	ug/l #	73
12) Methyl Acetate	2.709	43	285	0.217	ug/l #	53
13) Acrolein	2.233	56	120	0.456	ug/l #	51
16) Carbon Disulfide	2.495	76	673	0.210	ug/l #	75
18) Methylene Chloride	2.782	84	329	0.259	ug/l #	71
23) tert-Butyl Alcohol	2.940	59	1089	4.868	ug/l #	100
55) 2-Chloroethyl vinyl ether	8.257	63	719	0.844	ug/l #	74
56) Bromoform	11.079	173	233	0.319	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	18980	44.117	ug/l #	10
91) Naphthalene	13.786	128	873	0.206	ug/l #	73

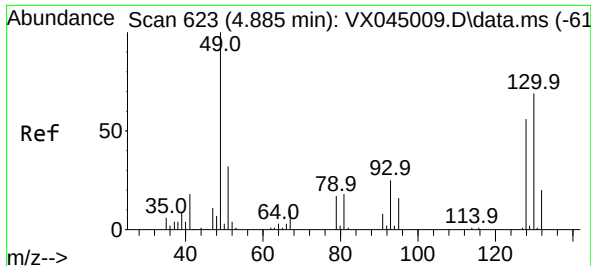
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
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VX0304WBL01

Quant Time: Mar 05 00:46:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 01:06:36 2025
Response via : Initial Calibration

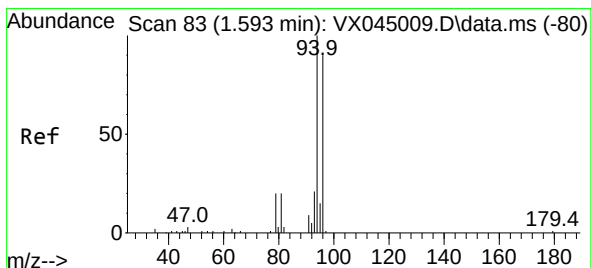
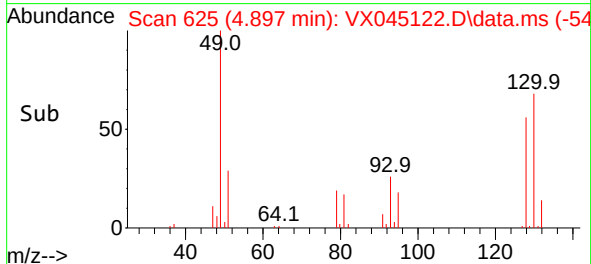
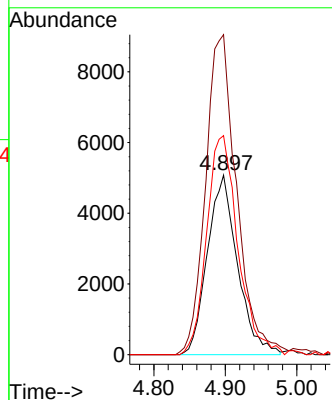
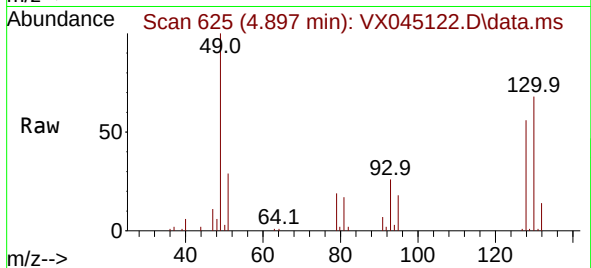




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.012 min
Lab File: VX045122.D
Acq: 04 Mar 2025 10:04

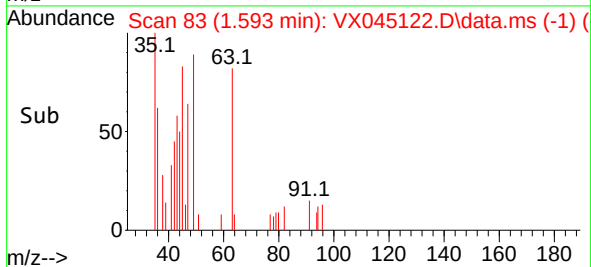
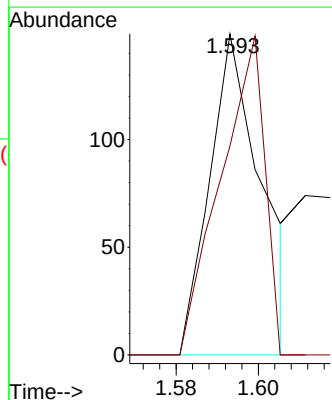
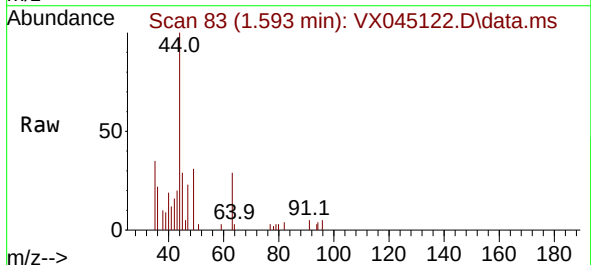
Instrument :
MSVOA_X
ClientSampleId :
VX0304WBL01

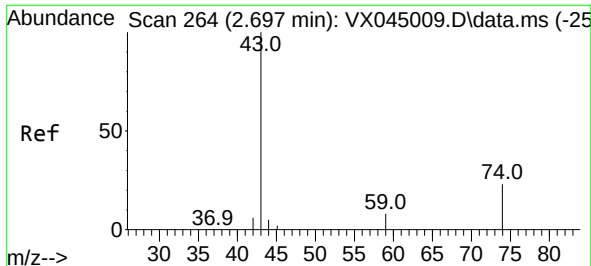
Tgt Ion:128 Resp: 14872
Ion Ratio Lower Upper
128 100
49 183.8 0.0 449.7
130 125.6 0.0 312.7



#5
Bromomethane
Concen: 0.262 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX045122.D
Acq: 04 Mar 2025 10:04

Tgt Ion: 94 Resp: 132
Ion Ratio Lower Upper
94 100
96 65.1 72.2 108.4#

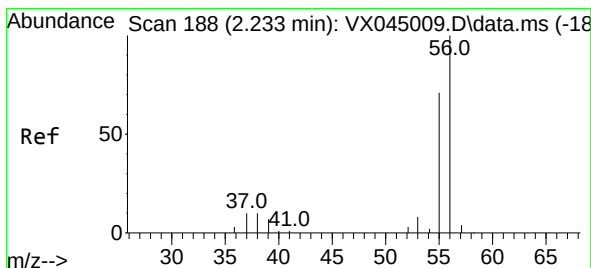
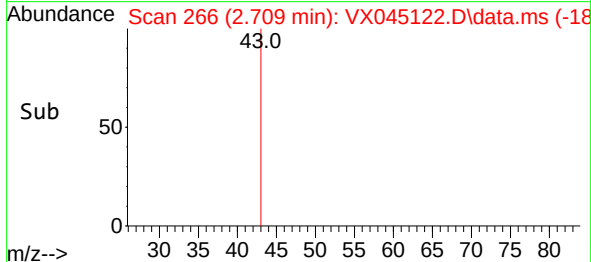
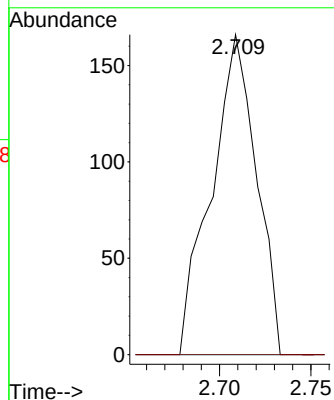
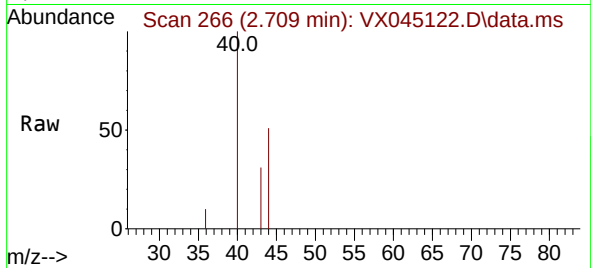




#12
Methyl Acetate
Concen: 0.217 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX045122.D
Acq: 04 Mar 2025 10:04

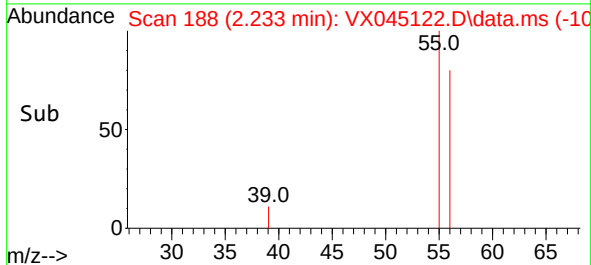
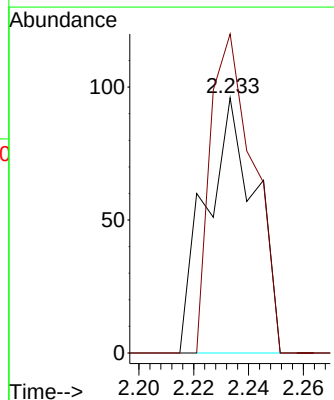
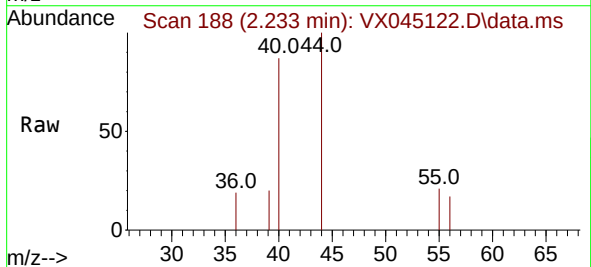
Instrument :
MSVOA_X
ClientSampleId :
VX0304WBL01

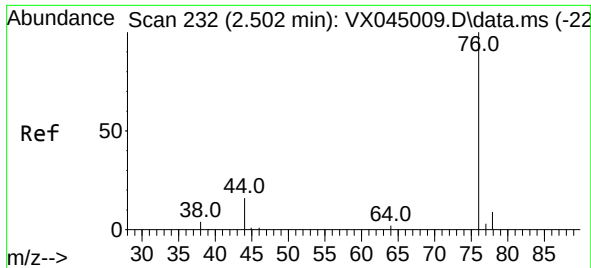
Tgt Ion: 43 Resp: 285
Ion Ratio Lower Upper
43 100
74 0.0 17.9 26.9#



#13
Acrolein
Concen: 0.456 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.000 min
Lab File: VX045122.D
Acq: 04 Mar 2025 10:04

Tgt Ion: 56 Resp: 120
Ion Ratio Lower Upper
56 100
55 109.2 55.4 83.2#

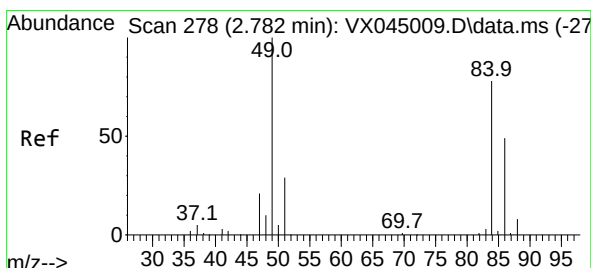
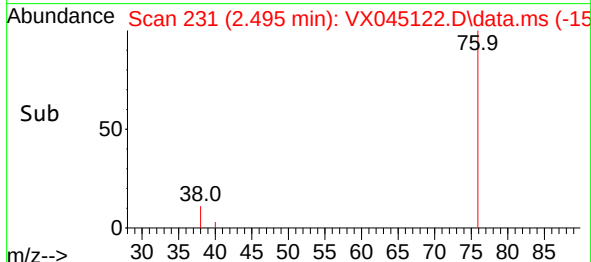
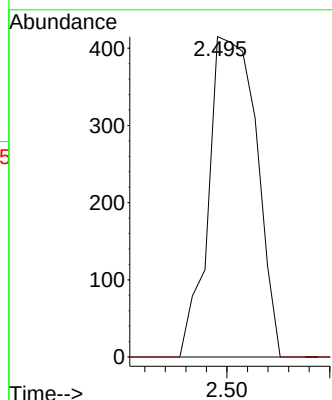
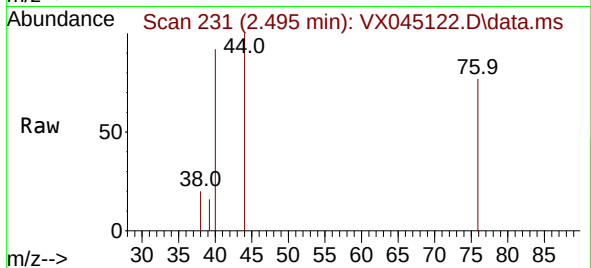




#16
Carbon Disulfide
Concen: 0.210 ug/l
RT: 2.495 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX045122.D
Acq: 04 Mar 2025 10:04

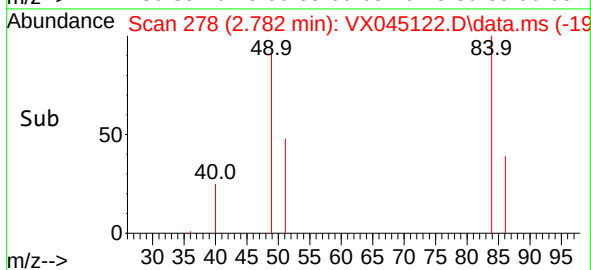
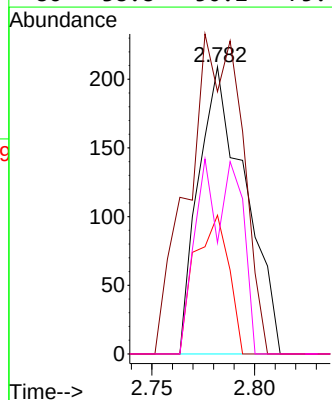
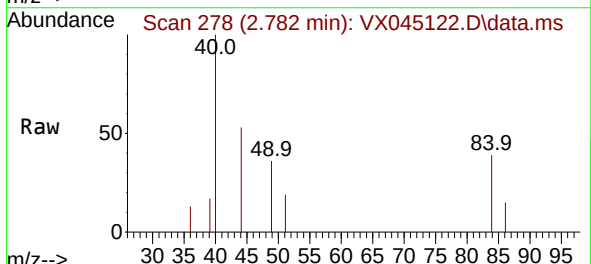
Instrument :
MSVOA_X
ClientSampleId :
VX0304WBL01

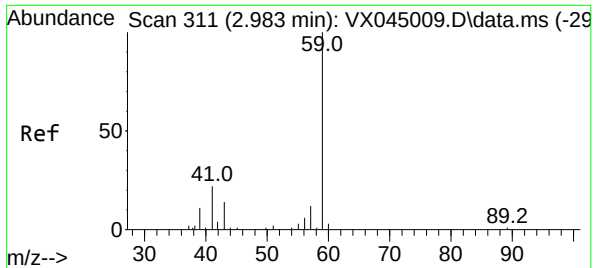
Tgt Ion: 76 Resp: 673
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#18
Methylene Chloride
Concen: 0.259 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045122.D
Acq: 04 Mar 2025 10:04

Tgt Ion: 84 Resp: 329
Ion Ratio Lower Upper
84 100
49 91.4 102.8 154.2#
51 48.3 30.1 45.1#
86 38.8 50.2 75.4#

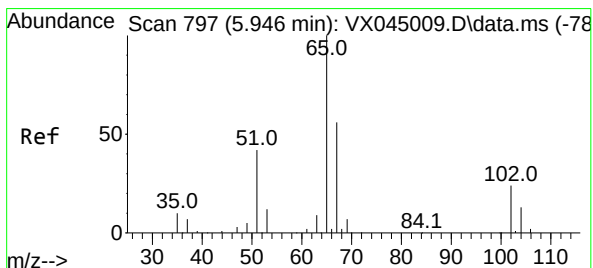
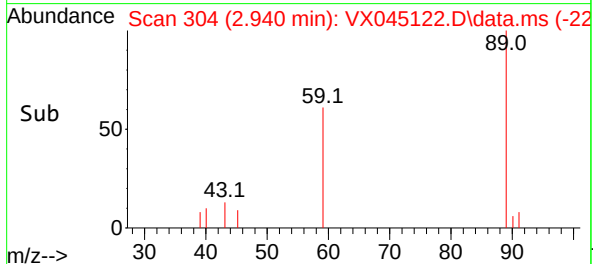
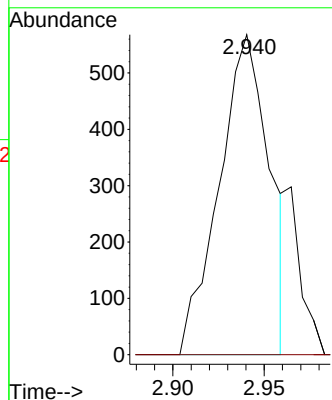
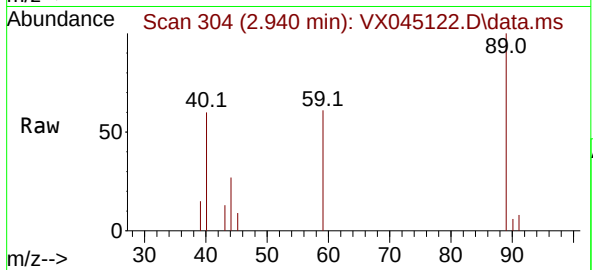




#23
tert-Butyl Alcohol
Concen: 4.868 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.043 min
Lab File: VX045122.D
Acq: 04 Mar 2025 10:04

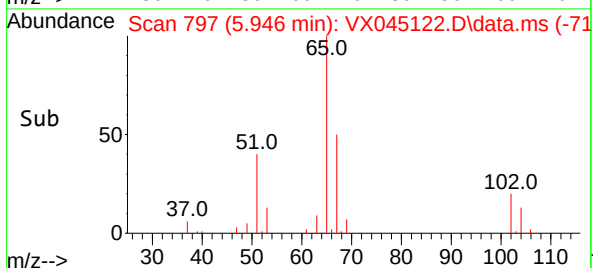
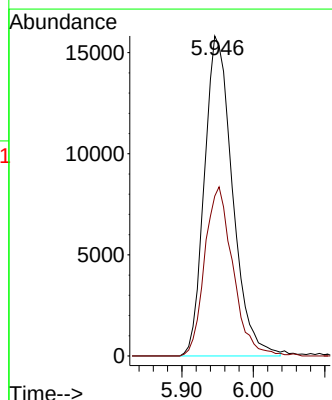
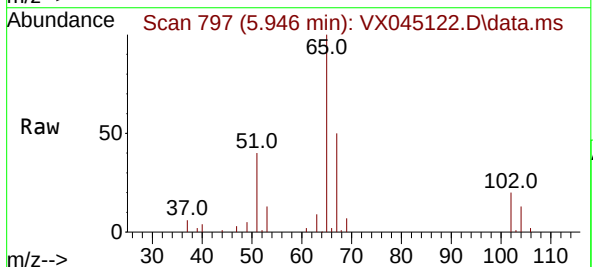
Instrument :
MSVOA_X
ClientSampleId :
VX0304WBL01

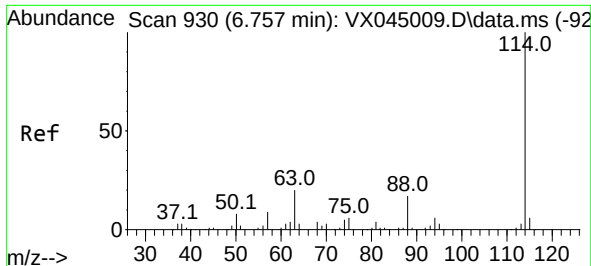
Tgt Ion: 59 Resp: 1089
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 29.921 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.000 min
Lab File: VX045122.D
Acq: 04 Mar 2025 10:04

Tgt Ion: 65 Resp: 43219
Ion Ratio Lower Upper
65 100
67 53.1 42.6 64.0

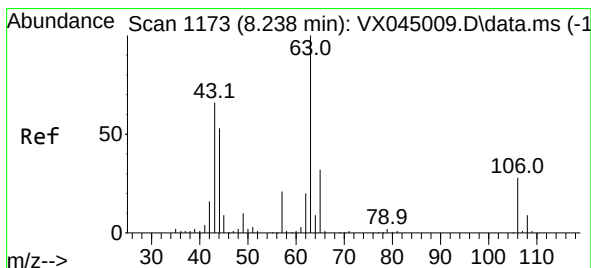
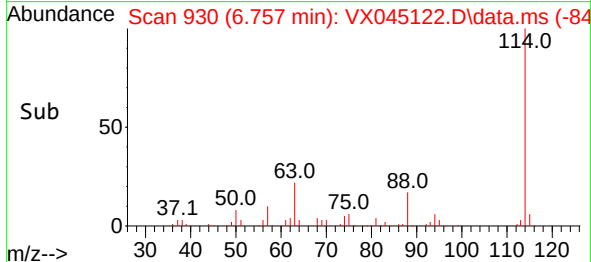
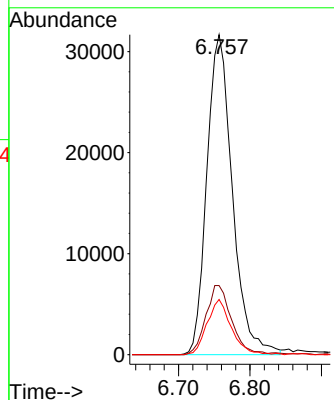
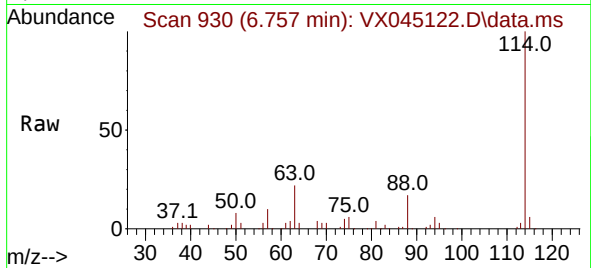




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.757 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VX045122.D
 Acq: 04 Mar 2025 10:04

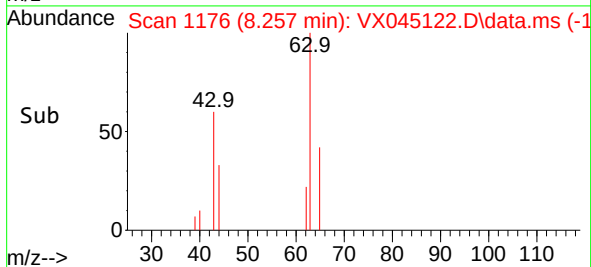
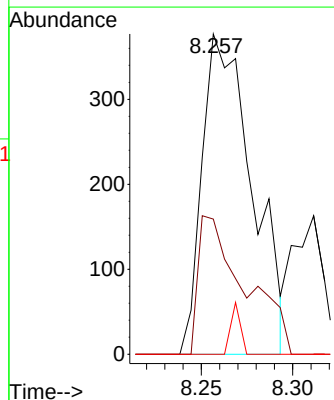
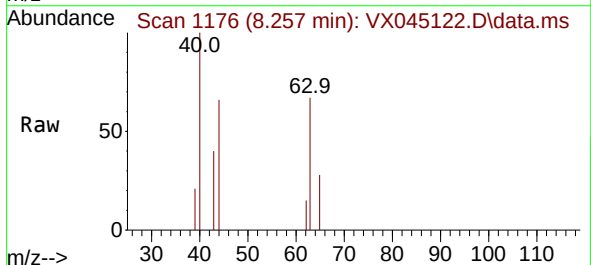
Instrument :
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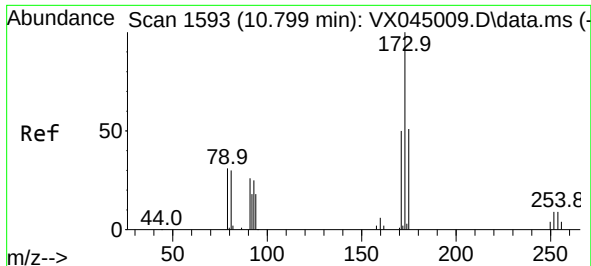
Tgt Ion:114 Resp: 78579
 Ion Ratio Lower Upper
 114 100
 63 21.4 16.8 25.2
 88 16.3 12.7 19.1



#55
 2-Chloroethyl vinyl ether
 Concen: 0.844 ug/l
 RT: 8.257 min Scan# 1176
 Delta R.T. 0.018 min
 Lab File: VX045122.D
 Acq: 04 Mar 2025 10:04

Tgt Ion: 63 Resp: 719
 Ion Ratio Lower Upper
 63 100
 65 29.9 26.2 39.2
 106 0.0 21.2 31.8#

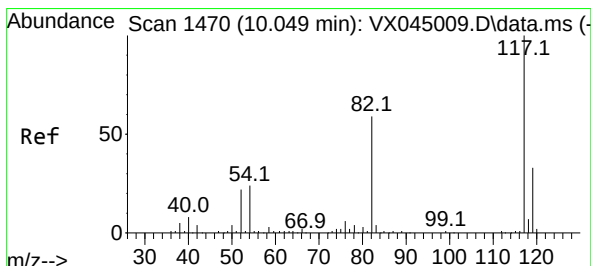
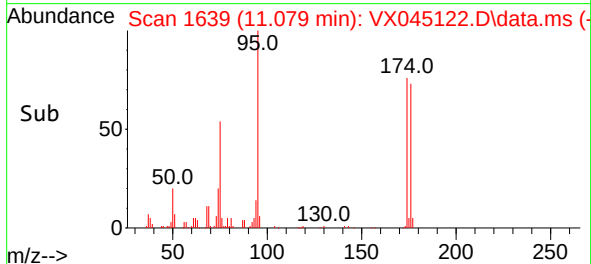
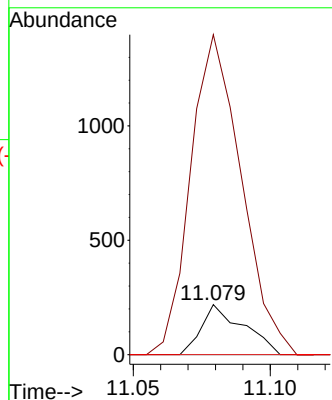
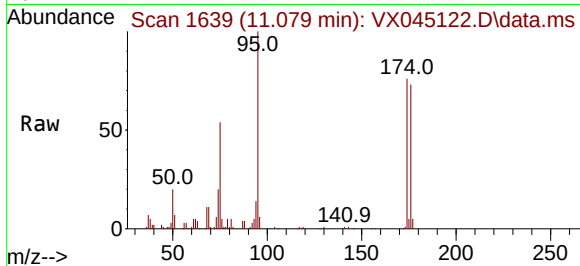




#56
Bromoform
Concen: 0.319 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.280 min
Lab File: VX045122.D
Acq: 04 Mar 2025 10:04

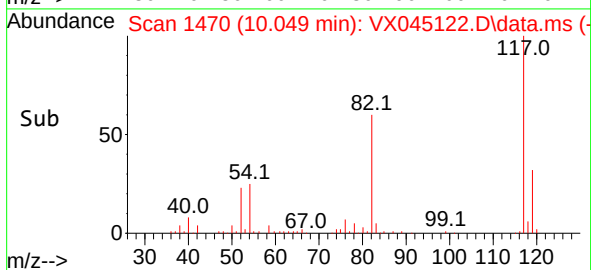
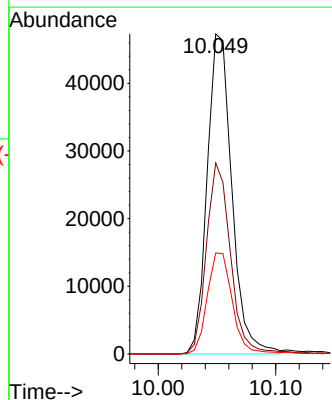
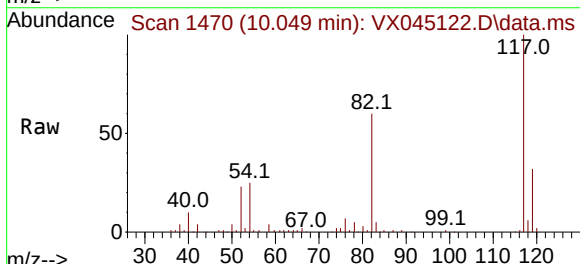
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ClientSampleId :
VX0304WBL01

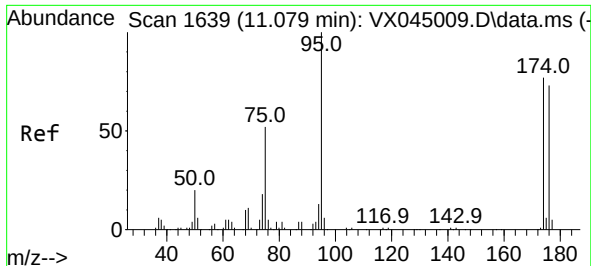
Tgt Ion:173 Resp: 233
Ion Ratio Lower Upper
173 100
175 773.0 39.6 59.4#
254 0.0 6.3 9.5#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045122.D
Acq: 04 Mar 2025 10:04

Tgt Ion:117 Resp: 69103
Ion Ratio Lower Upper
117 100
82 58.3 45.8 68.8
119 32.2 25.5 38.3

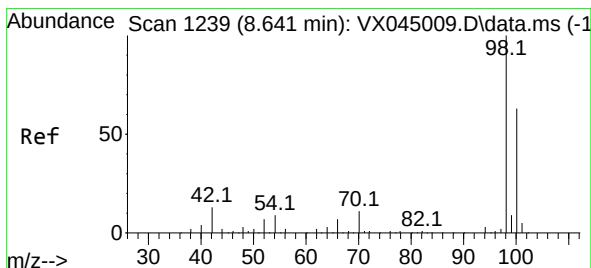
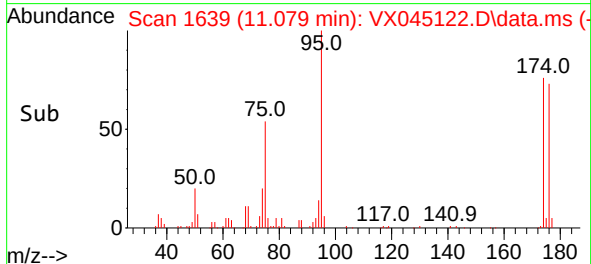
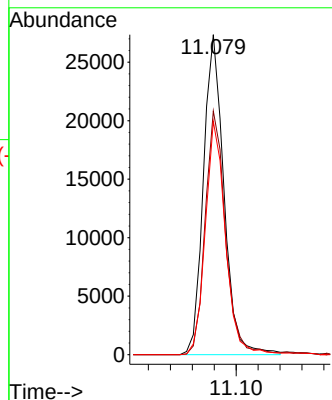
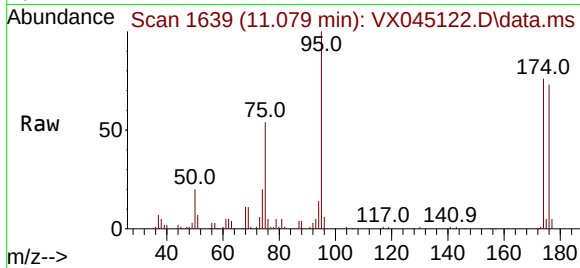




#60
4-Bromofluorobenzene
Concen: 27.485 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045122.D
Acq: 04 Mar 2025 10:04

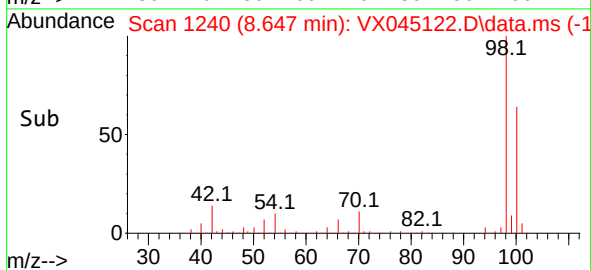
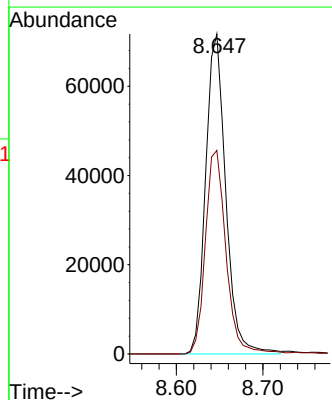
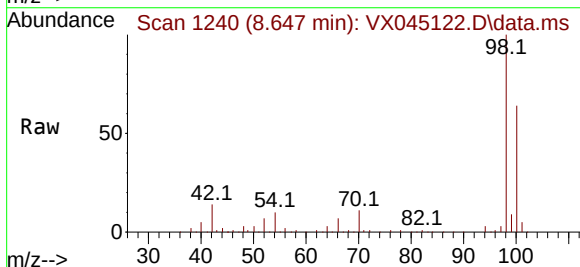
Instrument :
MSVOA_X
ClientSampleId :
VX0304WBL01

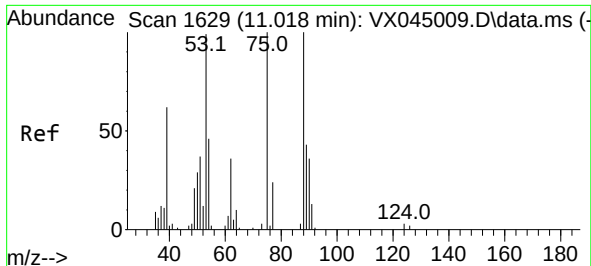
Tgt Ion: 95 Resp: 35500
Ion Ratio Lower Upper
95 100
174 74.2 59.5 89.3
176 71.5 55.5 83.3



#63
Toluene-d8
Concen: 30.239 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX045122.D
Acq: 04 Mar 2025 10:04

Tgt Ion: 98 Resp: 115602
Ion Ratio Lower Upper
98 100
100 65.2 51.7 77.5

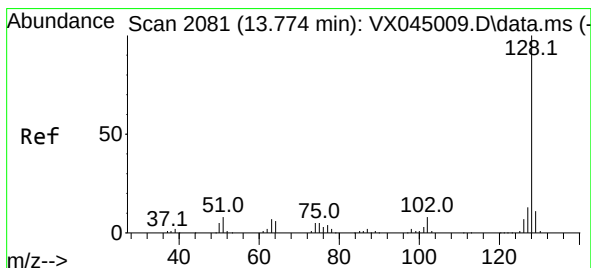
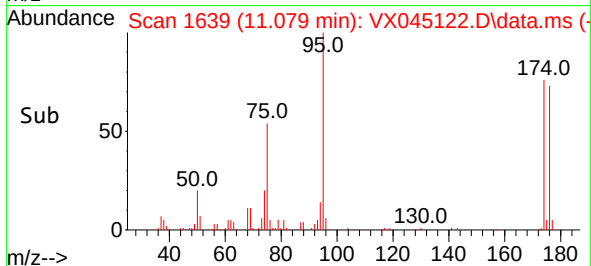
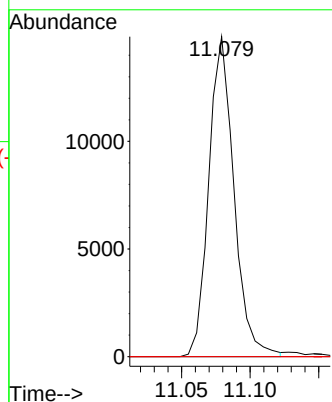
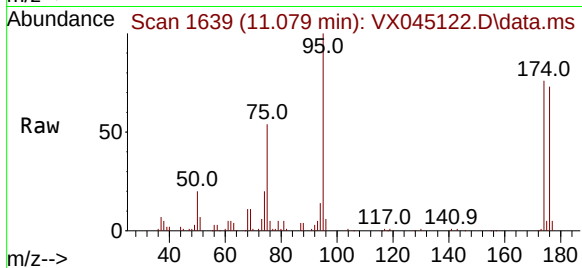




#77
t-1,4-Dichloro-2-butene
Concen: 44.117 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045122.D
Acq: 04 Mar 2025 10:04

Instrument :
MSVOA_X
ClientSampleId :
VX0304WBL01

Tgt Ion: 75 Resp: 18980
Ion Ratio Lower Upper
75 100
53 0.0 49.8 149.4#
89 0.0 21.4 64.2#



#91
Naphthalene
Concen: 0.206 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.012 min
Lab File: VX045122.D
Acq: 04 Mar 2025 10:04

Tgt Ion:128 Resp: 873
Ion Ratio Lower Upper
128 100
127 3.2 10.5 15.7#
129 0.0 8.7 13.1#

