

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031425\
 Data File : VX045288.D
 Acq On : 14 Mar 2025 11:40
 Operator : JC/MD
 Sample : VX0314WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0314WBL01

Quant Time: Mar 15 03:56:49 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)

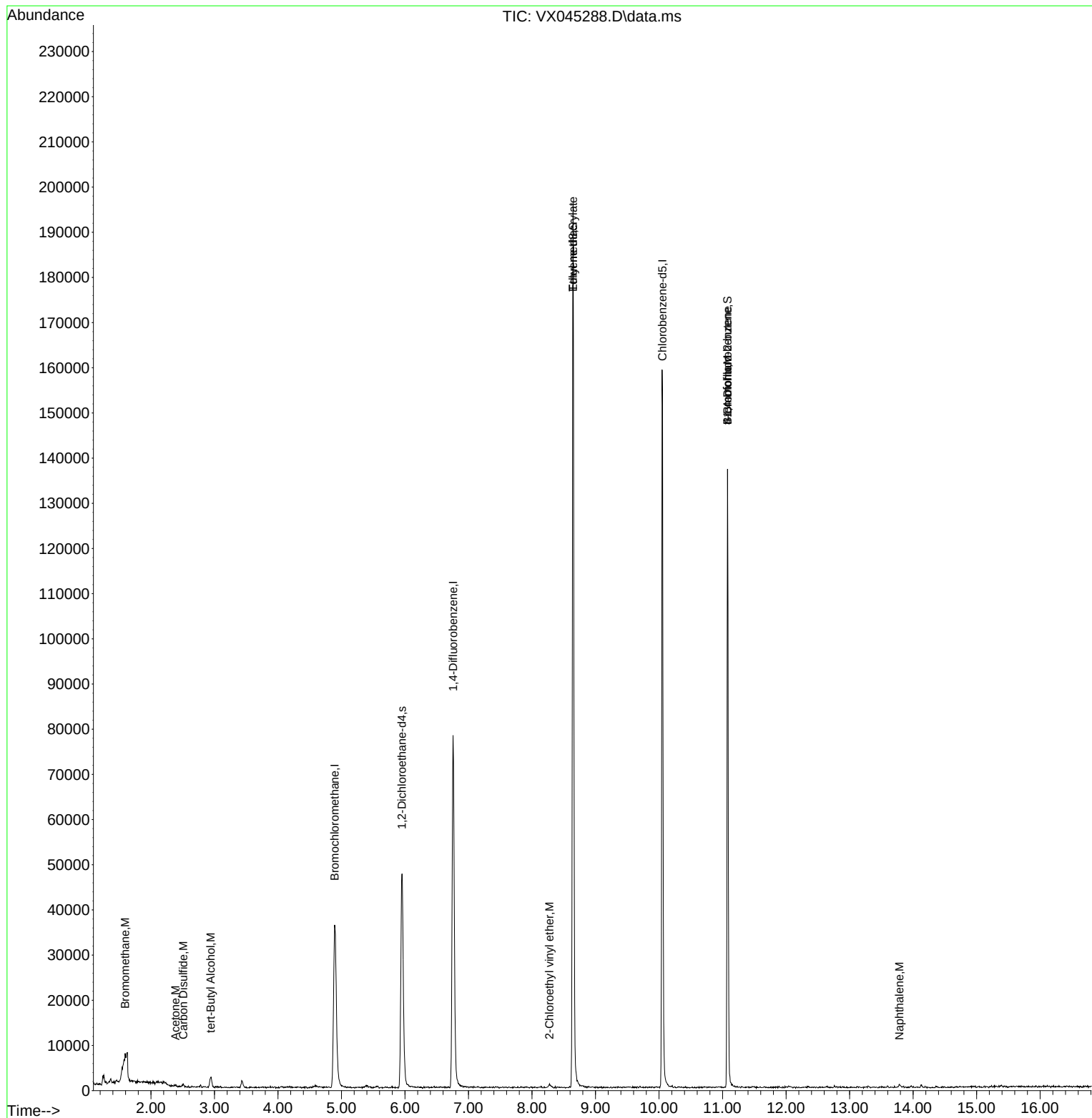
Internal Standards						
1) Bromochloromethane	4.891	128	14558	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	75988	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	67387	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	46128	32.623	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	108.733%
60) 4-Bromofluorobenzene	11.079	95	34413	27.322	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.067%
63) Toluene-d8	8.647	98	114622	30.746	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.500%
Target Compounds						
					Qvalue	
5) Bromomethane	1.593	94	149	0.302	ug/l	97
15) Acetone	2.386	58	86	0.500	ug/l #	1
16) Carbon Disulfide	2.508	76	680	0.217	ug/l #	75
23) tert-Butyl Alcohol	2.940	59	1496	6.832	ug/l #	100
51) Ethyl methacrylate	8.647	69	405	0.252	ug/l	78
55) 2-Chloroethyl vinyl ether	8.275	63	451	0.547	ug/l #	61
56) Bromoform	11.079	173	265	0.375	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	19710	46.980	ug/l #	10
91) Naphthalene	13.786	128	1078	0.260	ug/l #	80

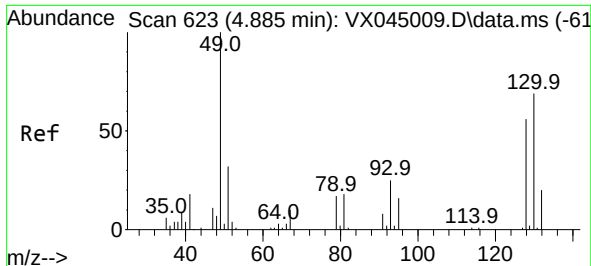
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
VX0314WBL01

Quant Time: Mar 15 03:56:49 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

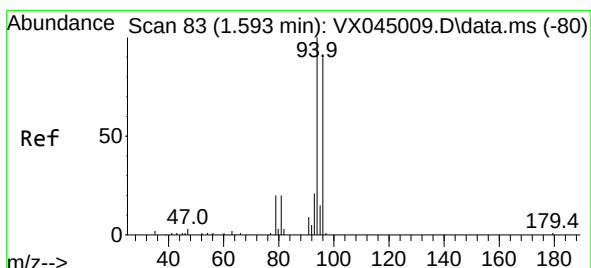
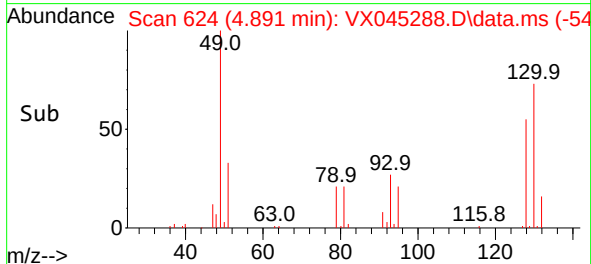
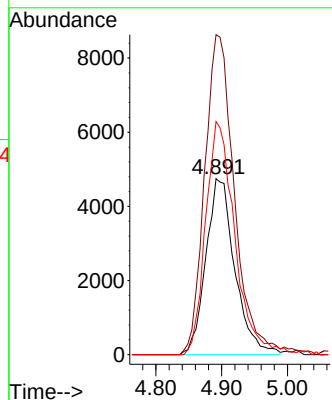
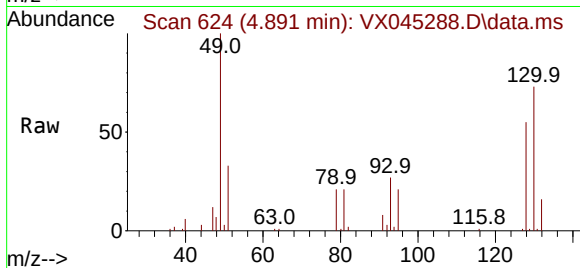




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.891 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX045288.D
Acq: 14 Mar 2025 11:40

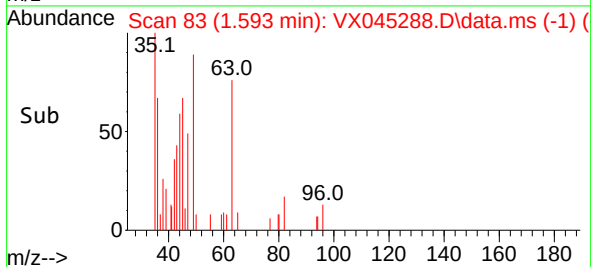
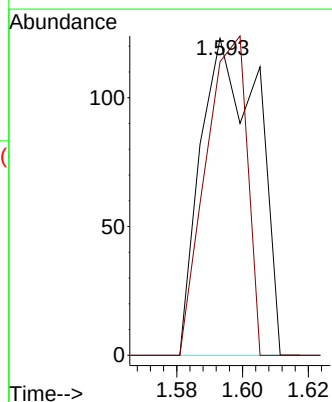
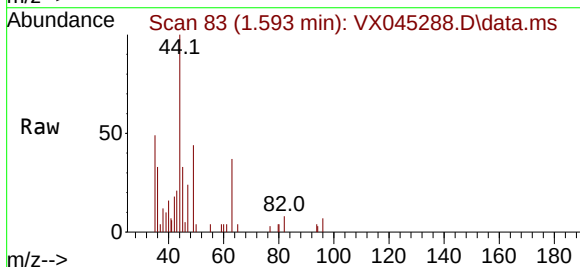
Instrument :
MSVOA_X
ClientSampleId :
VX0314WBL01

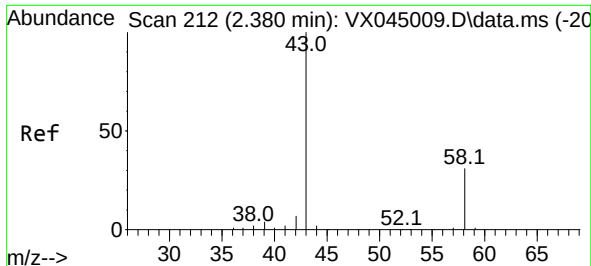
Tgt Ion:128 Resp: 14558
Ion Ratio Lower Upper
128 100
49 185.5 0.0 449.7
130 133.7 0.0 312.7



#5
Bromomethane
Concen: 0.302 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX045288.D
Acq: 14 Mar 2025 11:40

Tgt Ion: 94 Resp: 149
Ion Ratio Lower Upper
94 100
96 92.7 72.2 108.4





#15

Acetone

Concen: 0.500 ug/l

RT: 2.386 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX045288.D

Acq: 14 Mar 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

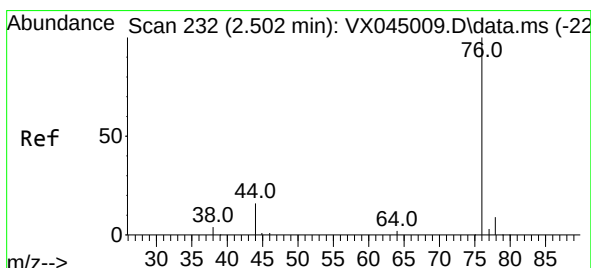
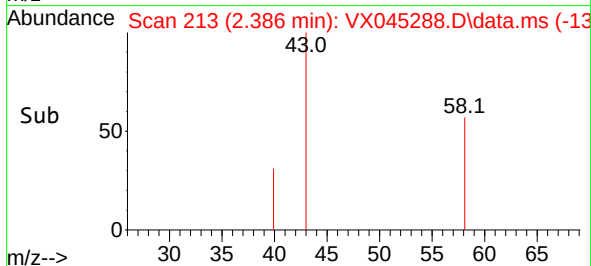
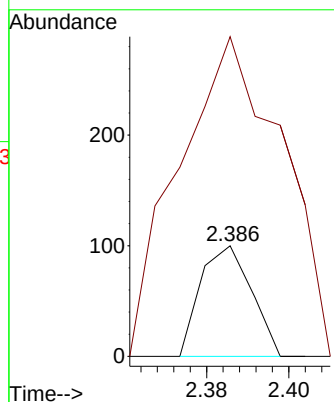
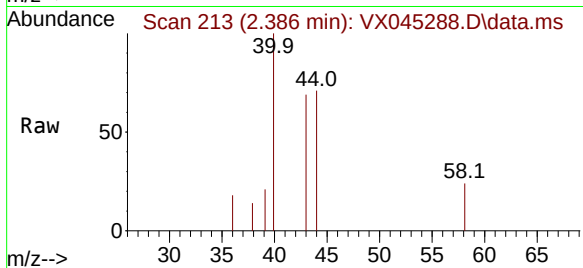
VX0314WBL01

Tgt Ion: 58 Resp: 86

Ion Ratio Lower Upper

58 100

43 118.0 258.6 388.0#



#16

Carbon Disulfide

Concen: 0.217 ug/l

RT: 2.508 min Scan# 233

Delta R.T. 0.006 min

Lab File: VX045288.D

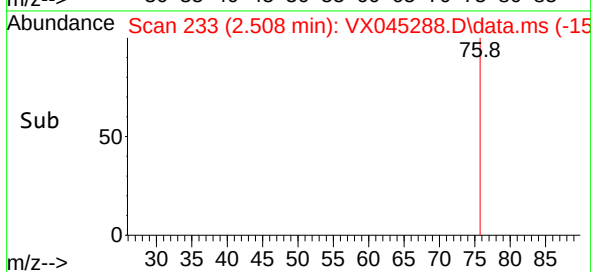
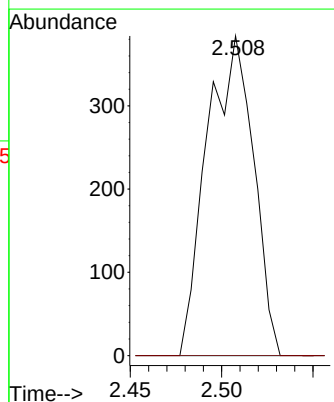
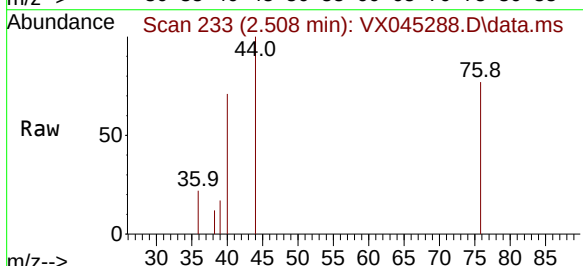
Acq: 14 Mar 2025 11:40

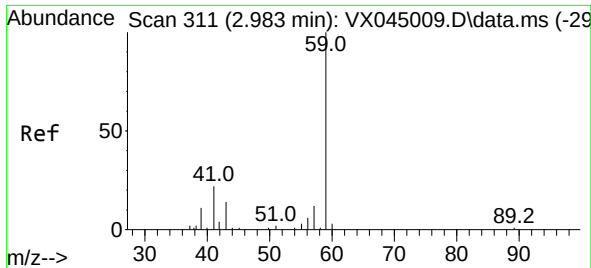
Tgt Ion: 76 Resp: 680

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#

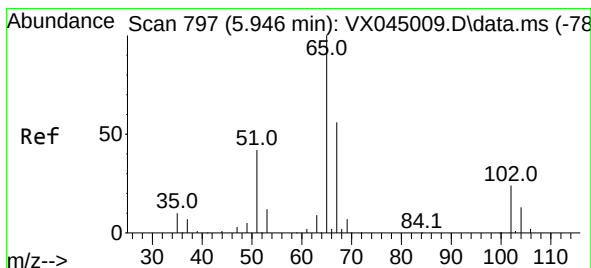
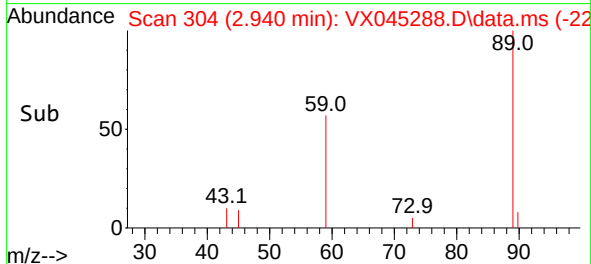
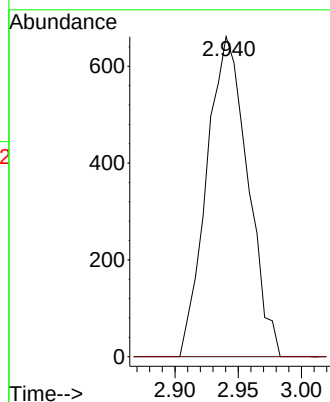
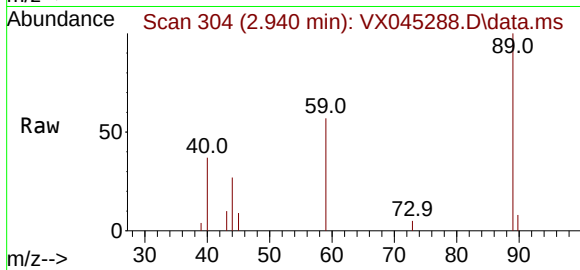




#23
tert-Butyl Alcohol
Concen: 6.832 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.043 min
Lab File: VX045288.D
Acq: 14 Mar 2025 11:40

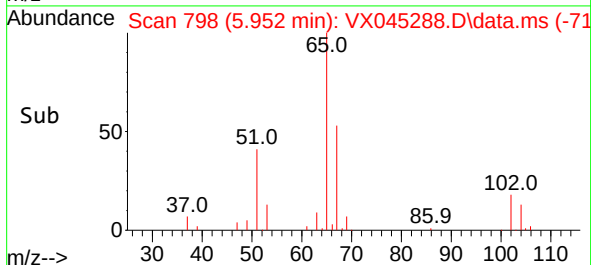
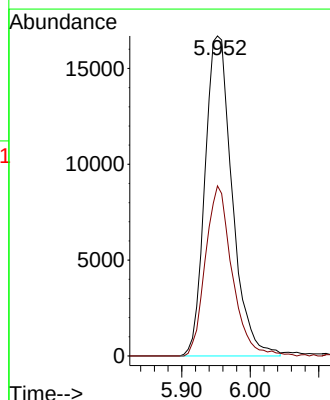
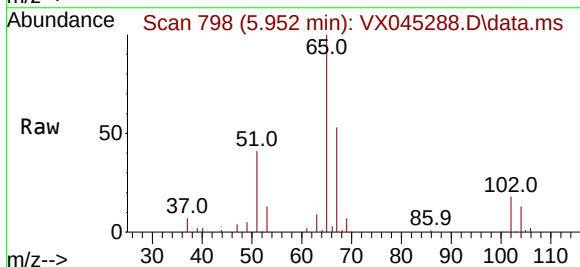
Instrument :
MSVOA_X
ClientSampleId :
VX0314WBL01

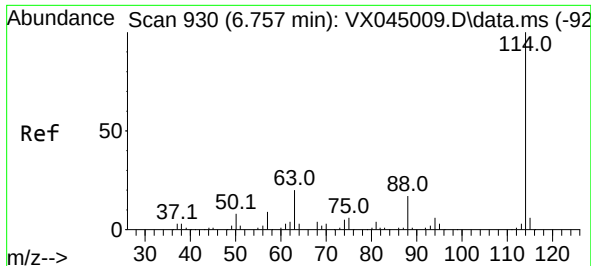
Tgt Ion: 59 Resp: 1496
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 32.623 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX045288.D
Acq: 14 Mar 2025 11:40

Tgt Ion: 65 Resp: 46128
Ion Ratio Lower Upper
65 100
67 52.2 42.6 64.0

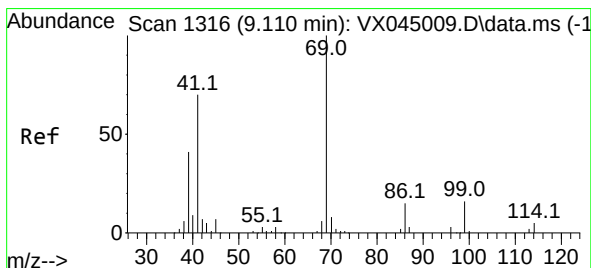
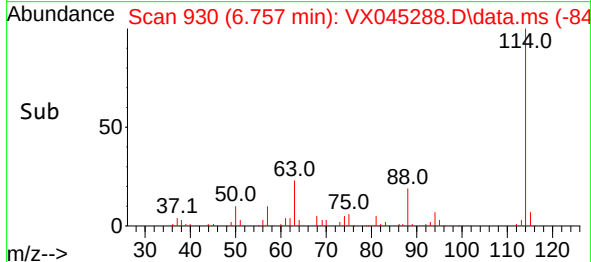
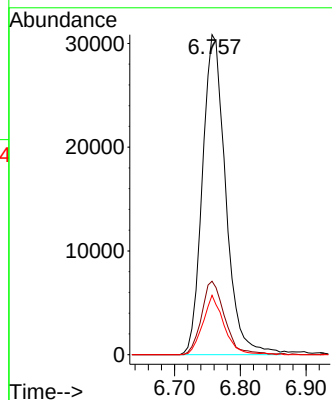
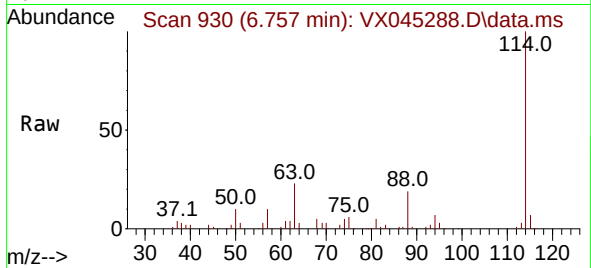




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.757 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VX045288.D
 Acq: 14 Mar 2025 11:40

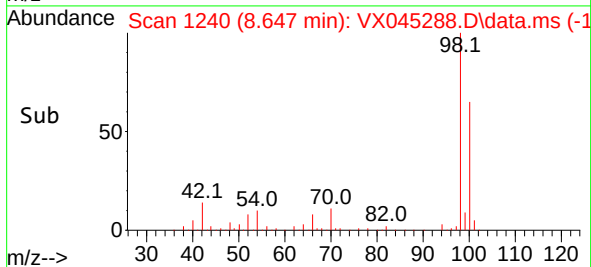
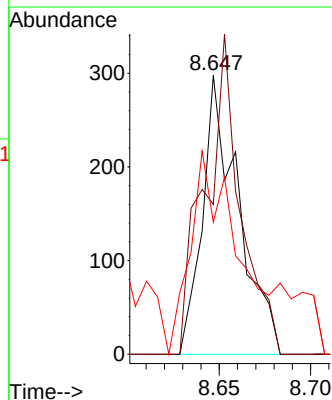
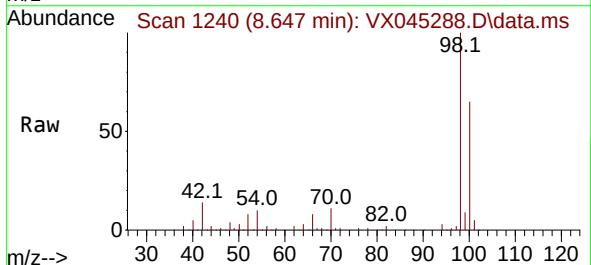
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0314WBL01

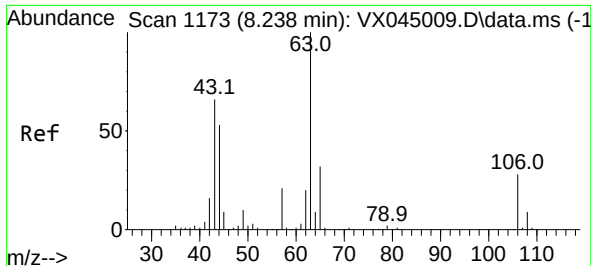
Tgt Ion:114 Resp: 75988
 Ion Ratio Lower Upper
 114 100
 63 22.8 16.8 25.2
 88 16.8 12.7 19.1



#51
 Ethyl methacrylate
 Concen: 0.252 ug/l
 RT: 8.647 min Scan# 1240
 Delta R.T. -0.463 min
 Lab File: VX045288.D
 Acq: 14 Mar 2025 11:40

Tgt Ion: 69 Resp: 405
 Ion Ratio Lower Upper
 69 100
 41 53.7 35.1 105.3
 39 25.2 20.5 61.6





#55

2-Chloroethyl vinyl ether

Concen: 0.547 ug/l

RT: 8.275 min Scan# 1173

Delta R.T. 0.036 min

Lab File: VX045288.D

Acq: 14 Mar 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0314WBL01

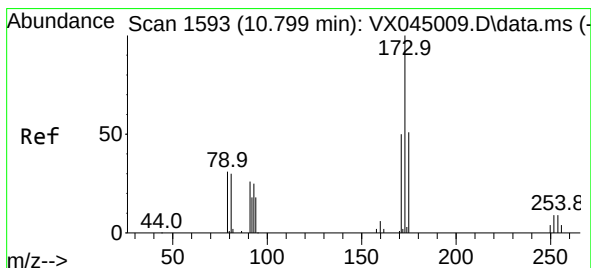
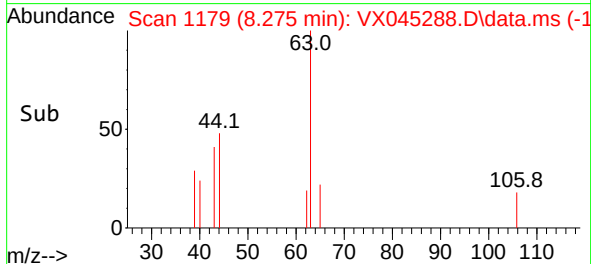
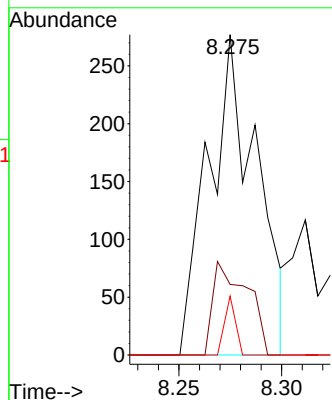
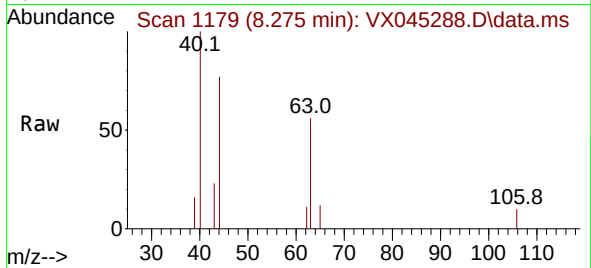
Tgt Ion: 63 Resp: 451

Ion Ratio Lower Upper

63 100

65 16.4 26.2 39.2#

106 0.0 21.2 31.8#



#56

Bromoform

Concen: 0.375 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.280 min

Lab File: VX045288.D

Acq: 14 Mar 2025 11:40

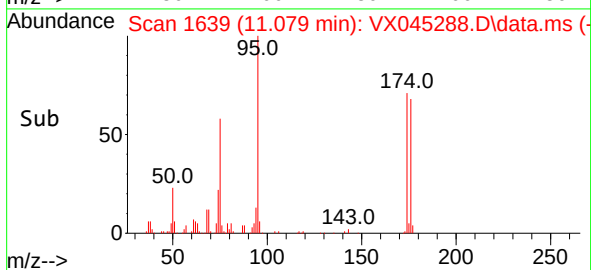
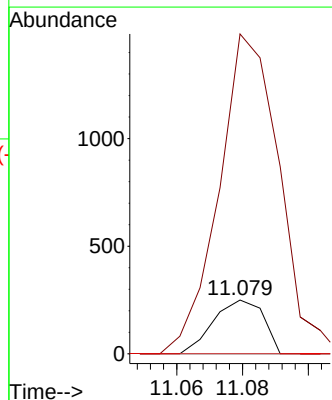
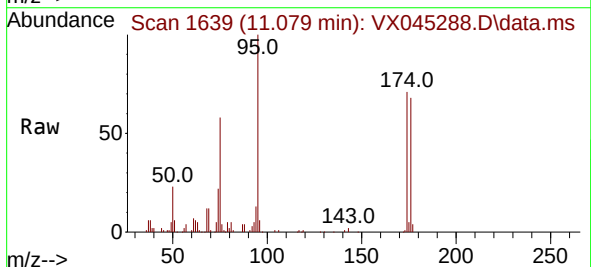
Tgt Ion: 173 Resp: 265

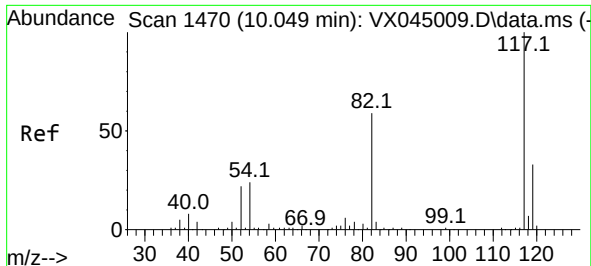
Ion Ratio Lower Upper

173 100

175 714.0 39.6 59.4#

254 0.0 6.3 9.5#

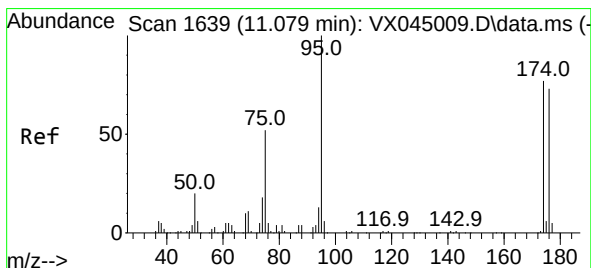
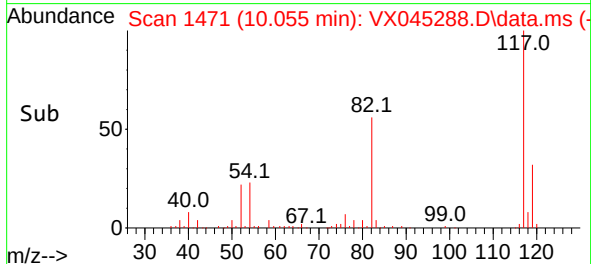
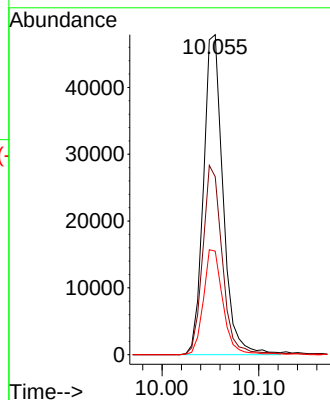
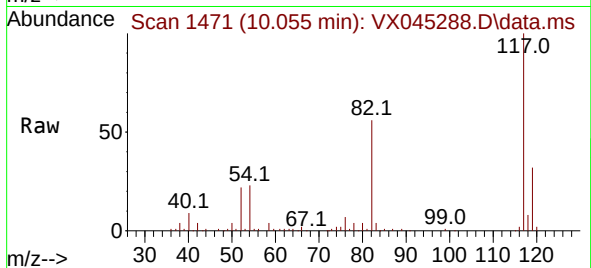




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX045288.D
Acq: 14 Mar 2025 11:40

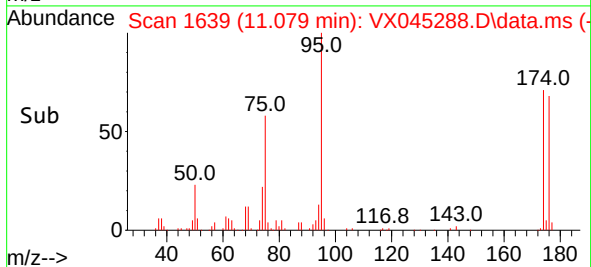
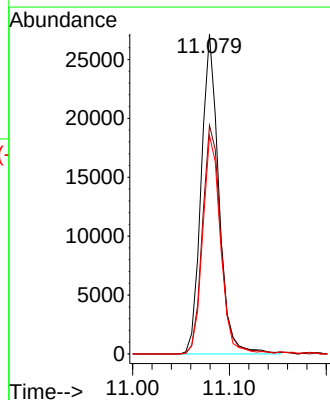
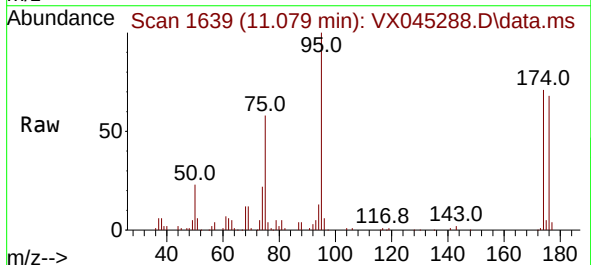
Instrument :
MSVOA_X
ClientSampleId :
VX0314WBL01

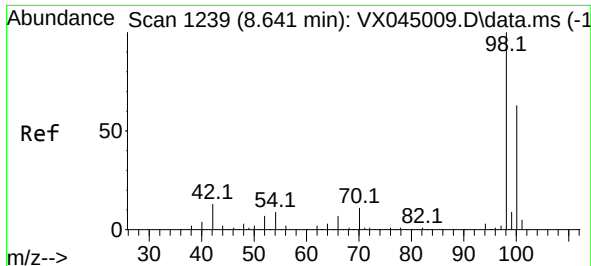
Tgt Ion:117 Resp: 67387
Ion Ratio Lower Upper
117 100
82 59.3 45.8 68.8
119 32.4 25.5 38.3



#60
4-Bromofluorobenzene
Concen: 27.322 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045288.D
Acq: 14 Mar 2025 11:40

Tgt Ion: 95 Resp: 34413
Ion Ratio Lower Upper
95 100
174 75.1 59.5 89.3
176 69.0 55.5 83.3

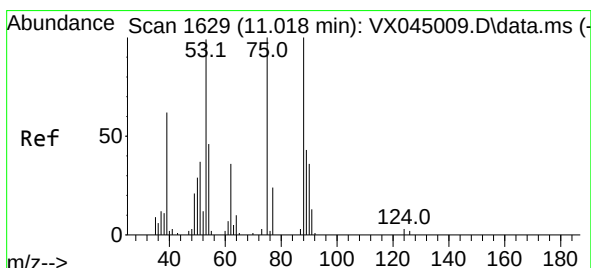
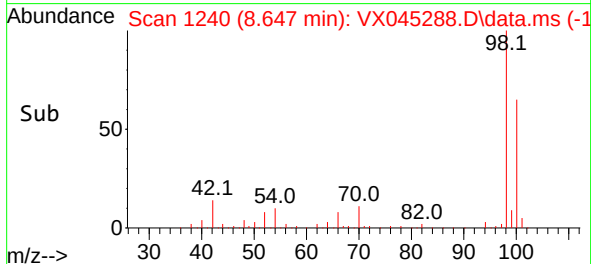
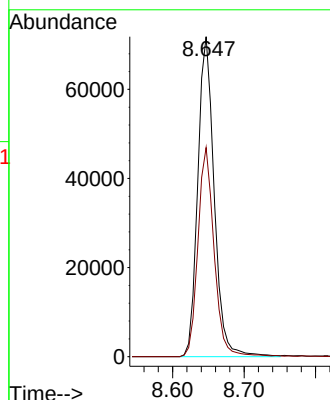
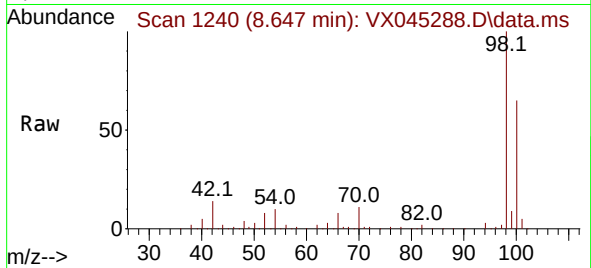




#63
Toluene-d8
Concen: 30.746 ug/l
RT: 8.647 min Scan# 114622
Delta R.T. 0.006 min
Lab File: VX045288.D
Acq: 14 Mar 2025 11:40

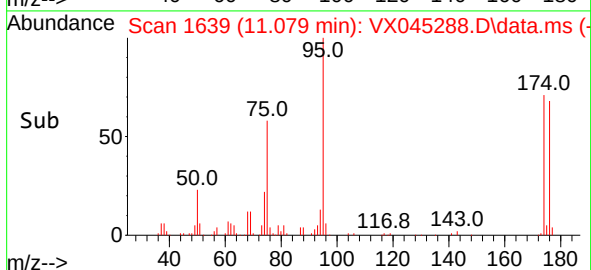
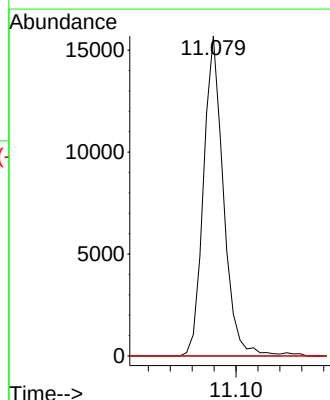
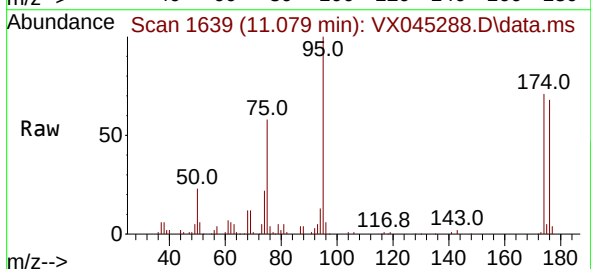
Instrument :
MSVOA_X
ClientSampleId :
VX0314WBL01

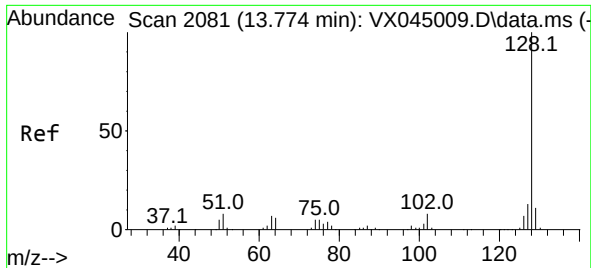
Tgt Ion: 98 Resp: 114622
Ion Ratio Lower Upper
98 100
100 64.3 51.7 77.5



#77
t-1,4-Dichloro-2-butene
Concen: 46.980 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045288.D
Acq: 14 Mar 2025 11:40

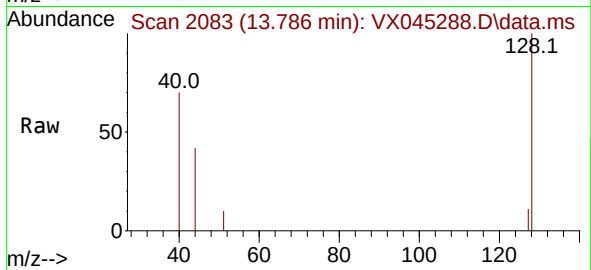
Tgt Ion: 75 Resp: 19710
Ion Ratio Lower Upper
75 100
53 0.0 49.8 149.4#
89 0.0 21.4 64.2#





#91
Naphthalene
Concen: 0.260 ug/l
RT: 13.786 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX045288.D
Acq: 14 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0314WBL01



Tgt Ion:128 Resp: 1078
Ion Ratio Lower Upper
128 100
127 8.2 10.5 15.7#
129 0.0 8.7 13.1#

