

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030425\
 Data File : VX045124.D
 Acq On : 04 Mar 2025 10:53
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Mar 05 00:47:32 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)

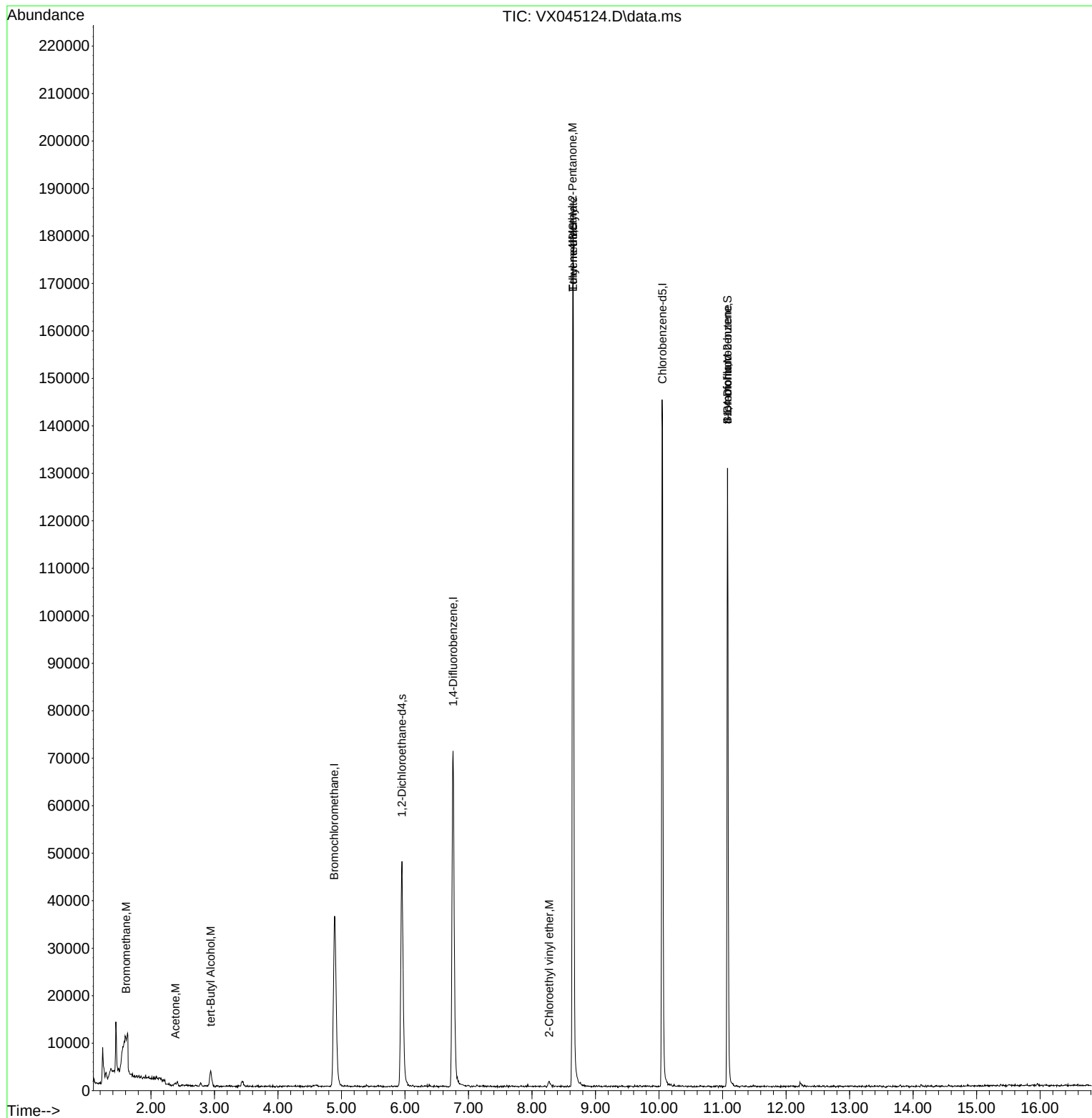
Internal Standards						
1) Bromochloromethane	4.885	128	14586	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	72549	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	66684	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	43136	30.449	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.500%
60) 4-Bromofluorobenzene	11.079	95	34692	27.833	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.767%
63) Toluene-d8	8.647	98	110755	30.022	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.067%
Target Compounds						Qvalue
5) Bromomethane	1.605	94	99	0.200	ug/l #	68
15) Acetone	2.386	58	117	0.679	ug/l #	1
23) tert-Butyl Alcohol	2.940	59	1982	9.033	ug/l #	100
51) Ethyl methacrylate	8.647	69	351	0.229	ug/l	94
55) 2-Chloroethyl vinyl ether	8.269	63	533	0.678	ug/l	95
56) Bromoform	11.079	173	245	0.363	ug/l #	1
58) 4-Methyl-2-Pentanone	8.641	43	678	0.447	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	18129	43.668	ug/l #	10

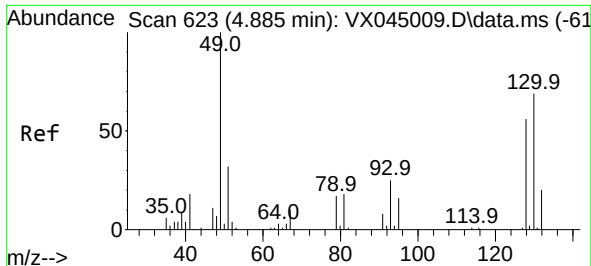
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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IBLK

Quant Time: Mar 05 00:47:32 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

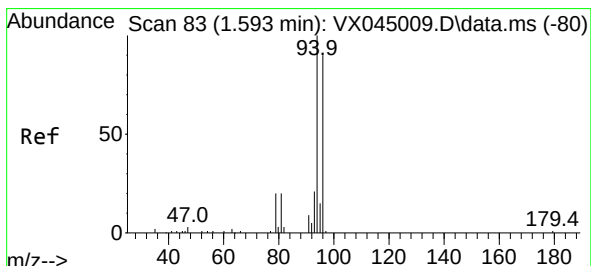
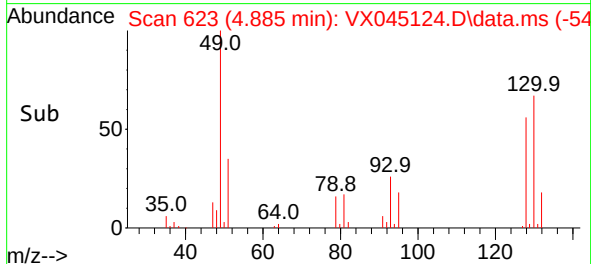
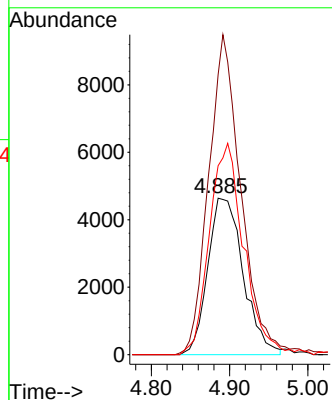
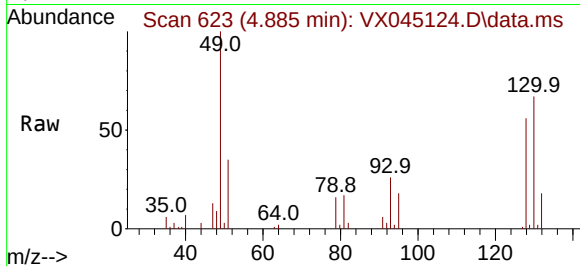




#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 4.885 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VX045124.D
 Acq: 04 Mar 2025 10:53

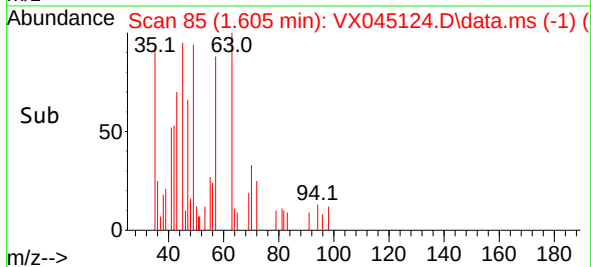
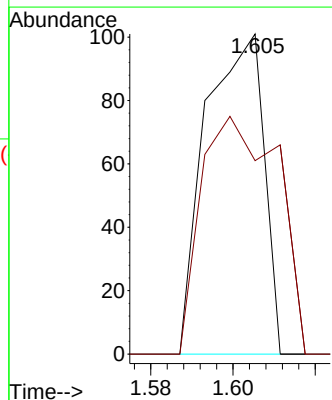
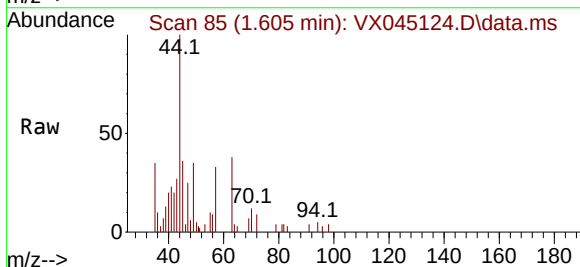
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

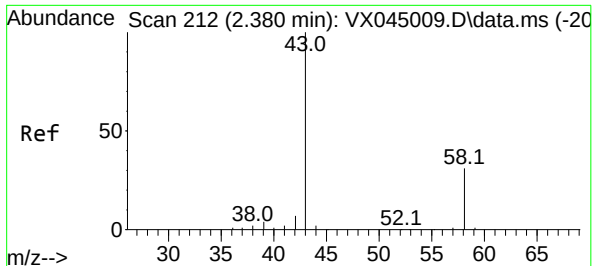
Tgt Ion:	128	Resp:	14586
Ion	Ratio	Lower	Upper
128	100		
49	185.9	0.0	449.7
130	130.9	0.0	312.7



#5
 Bromomethane
 Concen: 0.200 ug/l
 RT: 1.605 min Scan# 85
 Delta R.T. 0.012 min
 Lab File: VX045124.D
 Acq: 04 Mar 2025 10:53

Tgt Ion:	94	Resp:	99
Ion	Ratio	Lower	Upper
94	100		
96	60.4	72.2	108.4#





#15

Acetone

Concen: 0.679 ug/l

RT: 2.386 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX045124.D

Acq: 04 Mar 2025 10:53

Instrument :

MSVOA_X

ClientSampleId :

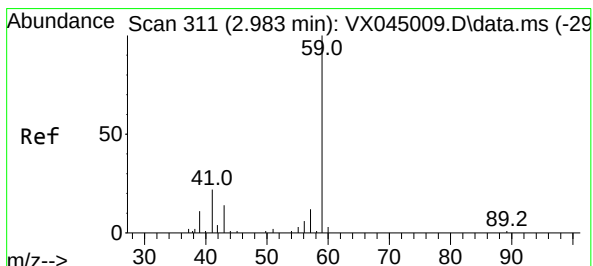
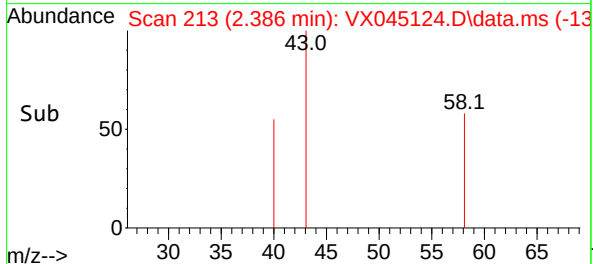
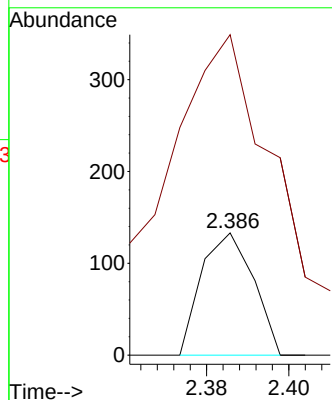
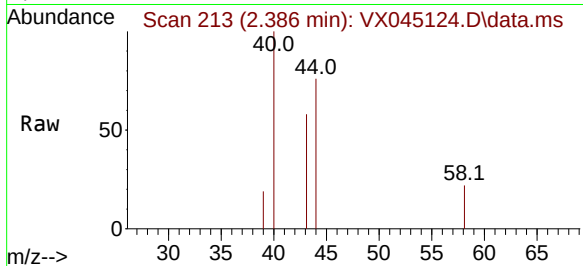
IBLK

Tgt Ion: 58 Resp: 117

Ion Ratio Lower Upper

58 100

43 100.8 258.6 388.0#



#23

tert-Butyl Alcohol

Concen: 9.033 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.043 min

Lab File: VX045124.D

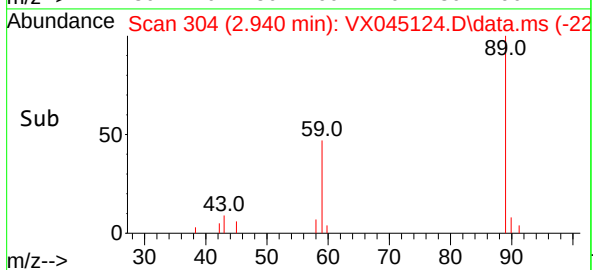
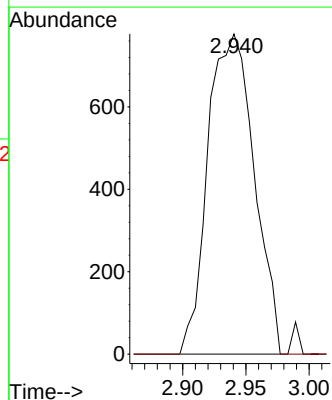
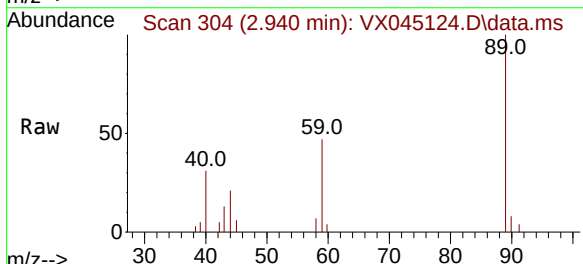
Acq: 04 Mar 2025 10:53

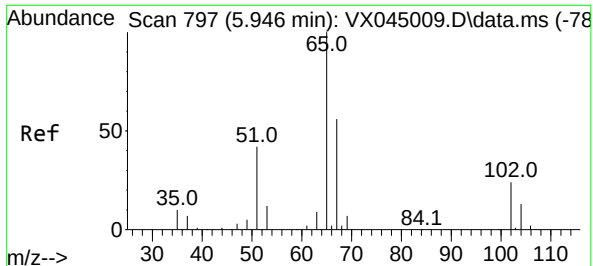
Tgt Ion: 59 Resp: 1982

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0





#27

1,2-Dichloroethane-d4

Concen: 30.449 ug/l

RT: 5.952 min Scan# 797

Delta R.T. 0.006 min

Lab File: VX045124.D

Acq: 04 Mar 2025 10:53

Instrument :

MSVOA_X

ClientSampleId :

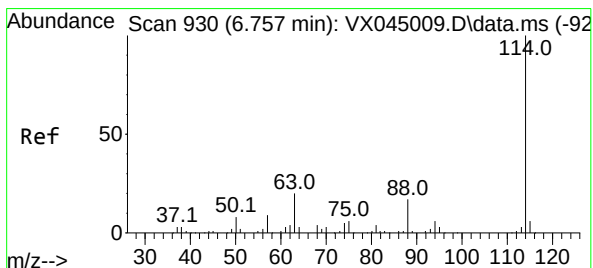
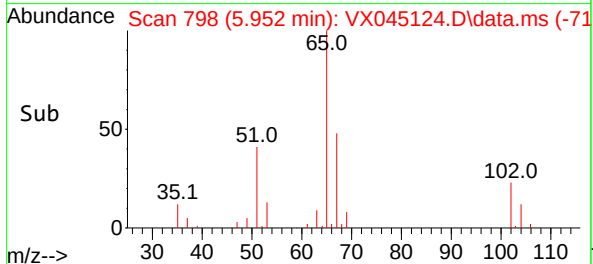
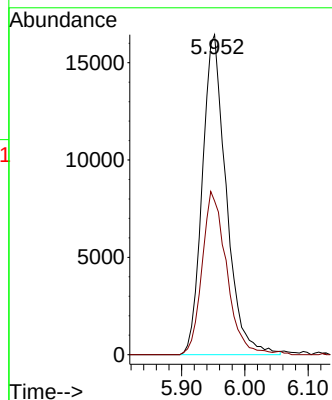
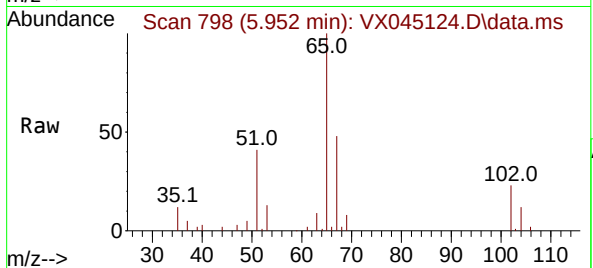
IBLK

Tgt Ion: 65 Resp: 43136

Ion Ratio Lower Upper

65 100

67 52.3 42.6 64.0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045124.D

Acq: 04 Mar 2025 10:53

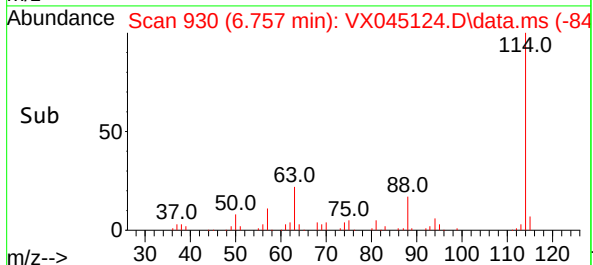
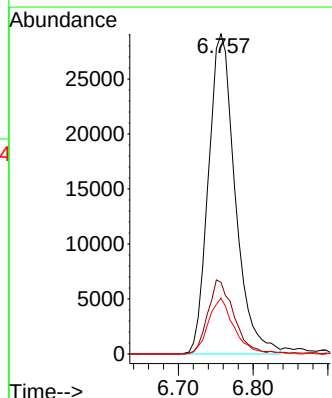
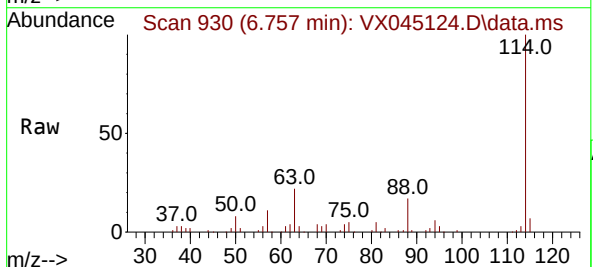
Tgt Ion: 114 Resp: 72549

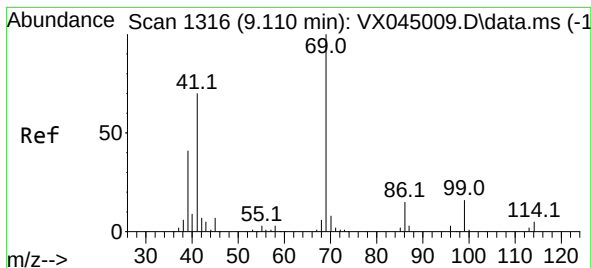
Ion Ratio Lower Upper

114 100

63 22.3 16.8 25.2

88 16.4 12.7 19.1





#51

Ethyl methacrylate

Concen: 0.229 ug/l

RT: 8.647 min Scan# 1178

Delta R.T. -0.463 min

Lab File: VX045124.D

Acq: 04 Mar 2025 10:53

Instrument :

MSVOA_X

ClientSampleId :

IBLK

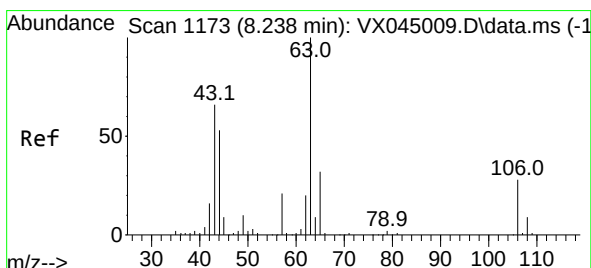
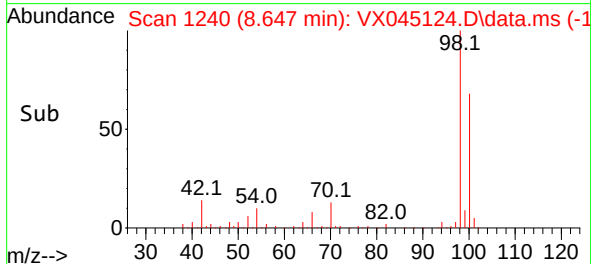
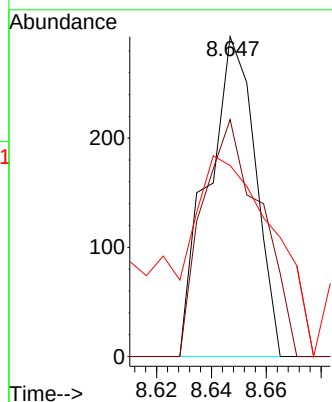
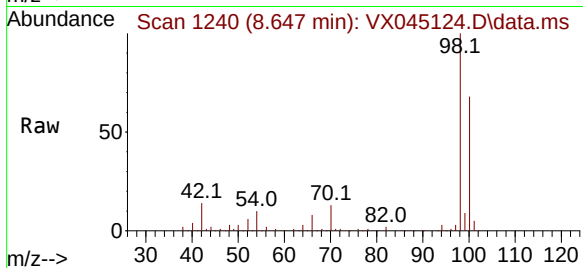
Tgt Ion: 69 Resp: 351

Ion Ratio Lower Upper

69 100

41 74.1 35.1 105.3

39 35.8 20.5 61.6



#55

2-Chloroethyl vinyl ether

Concen: 0.678 ug/l

RT: 8.269 min Scan# 1178

Delta R.T. 0.030 min

Lab File: VX045124.D

Acq: 04 Mar 2025 10:53

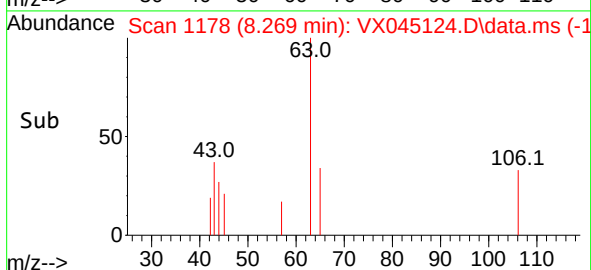
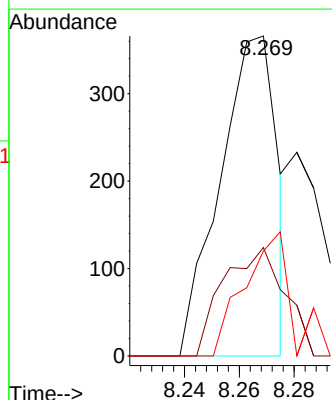
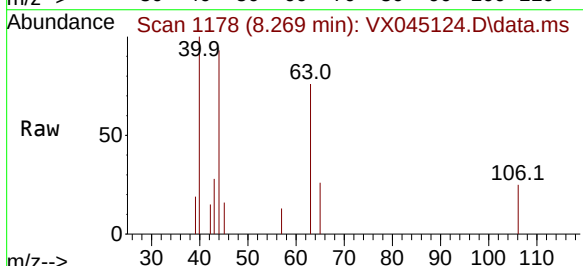
Tgt Ion: 63 Resp: 533

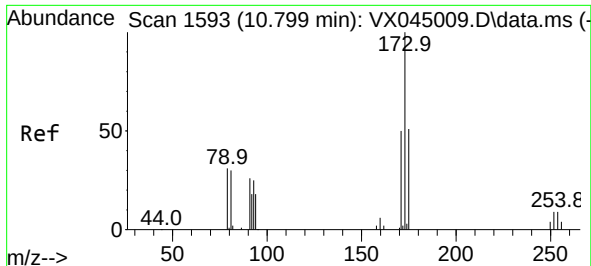
Ion Ratio Lower Upper

63 100

65 36.2 26.2 39.2

106 28.0 21.2 31.8

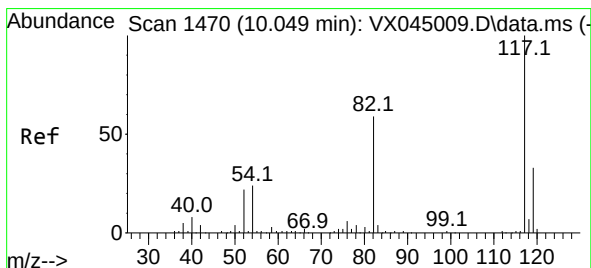
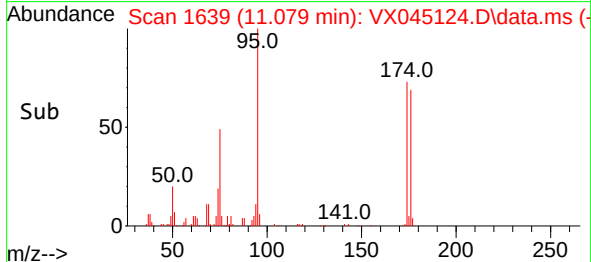
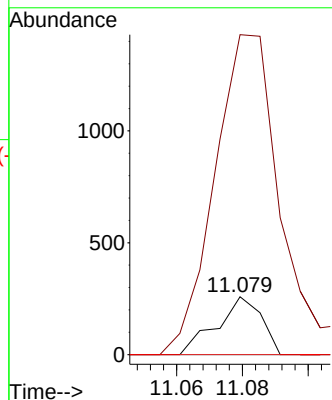
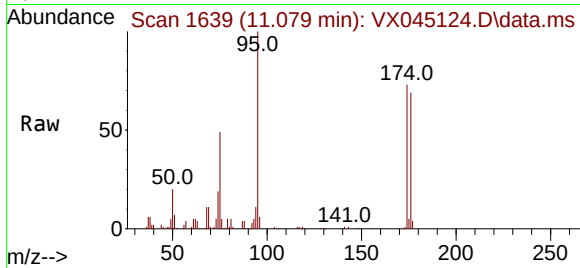




#56
Bromoform
Concen: 0.363 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.280 min
Lab File: VX045124.D
Acq: 04 Mar 2025 10:53

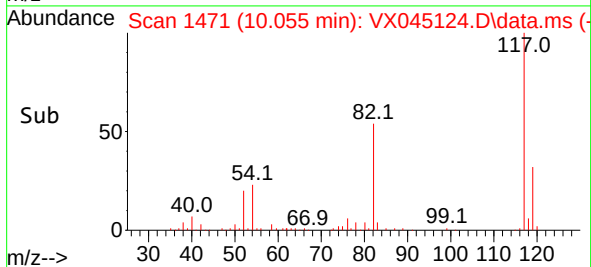
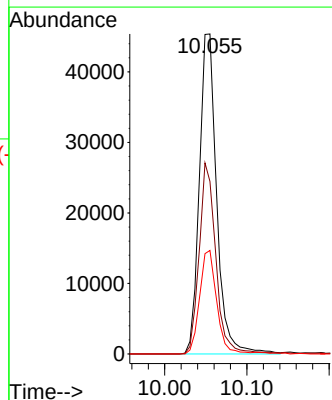
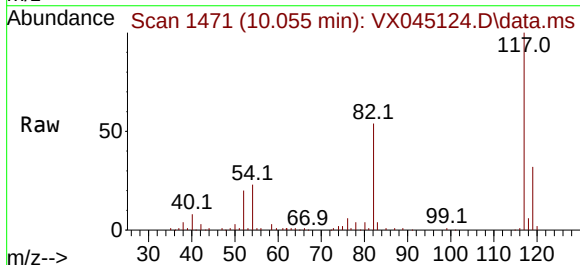
Instrument :
MSVOA_X
ClientSampleId :
IBLK

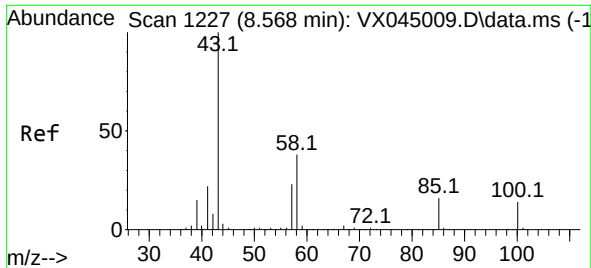
Tgt Ion:173 Resp: 245
Ion Ratio Lower Upper
173 100
175 812.2 39.6 59.4#
254 0.0 6.3 9.5#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045124.D
Acq: 04 Mar 2025 10:53

Tgt Ion:117 Resp: 66684
Ion Ratio Lower Upper
117 100
82 57.3 45.8 68.8
119 31.7 25.5 38.3

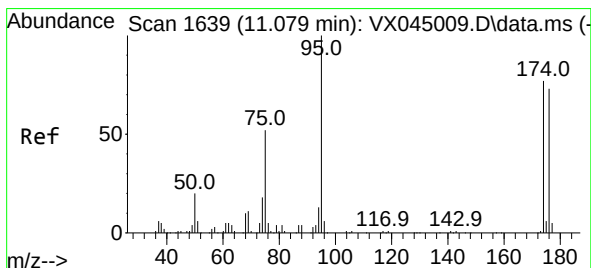
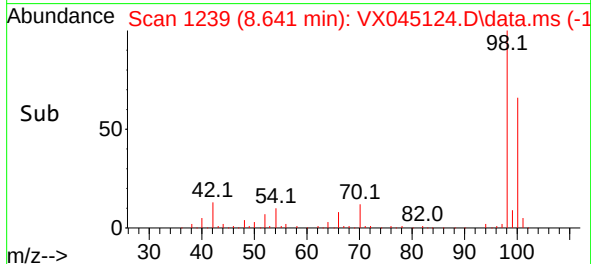
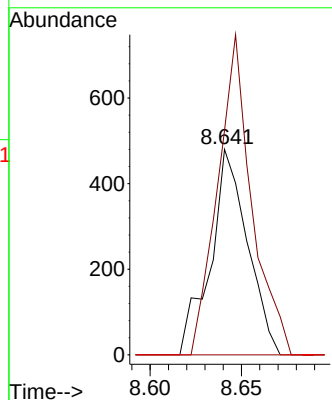
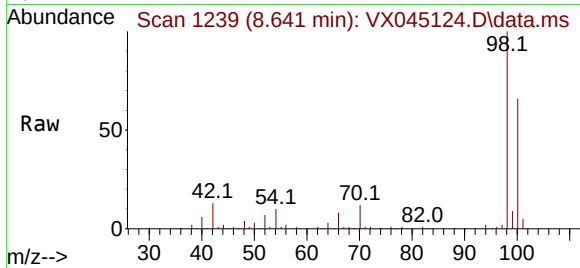




#58
 4-Methyl-2-Pentanone
 Concen: 0.447 ug/l
 RT: 8.641 min Scan# 1227
 Delta R.T. 0.073 min
 Lab File: VX045124.D
 Acq: 04 Mar 2025 10:53

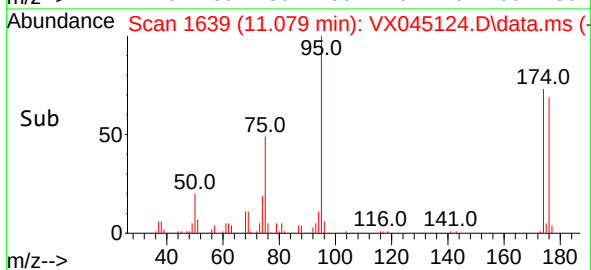
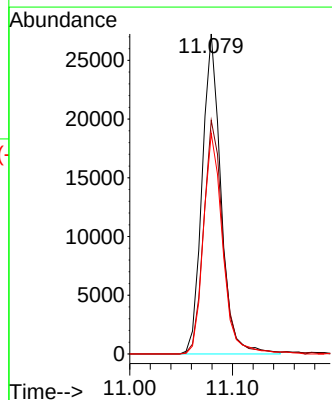
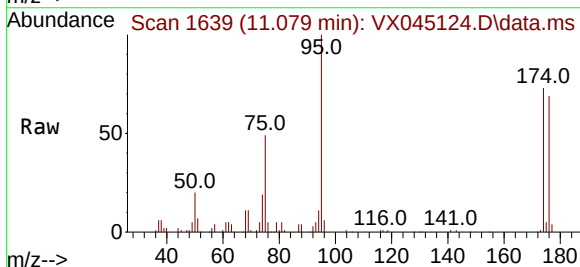
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

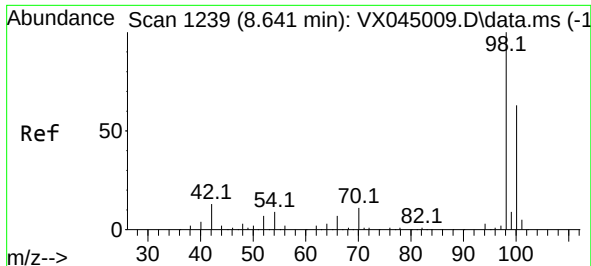
Tgt Ion:	43	Resp:	678
Ion	Ratio	Lower	Upper
43	100		
58	142.9	29.5	44.3#
85	0.0	12.9	19.3#



#60
 4-Bromofluorobenzene
 Concen: 27.833 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.000 min
 Lab File: VX045124.D
 Acq: 04 Mar 2025 10:53

Tgt Ion:	95	Resp:	34692
Ion	Ratio	Lower	Upper
95	100		
174	75.8	59.5	89.3
176	70.3	55.5	83.3

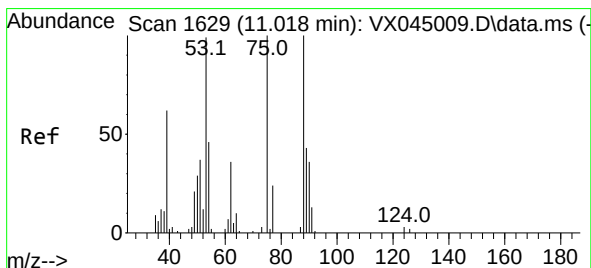
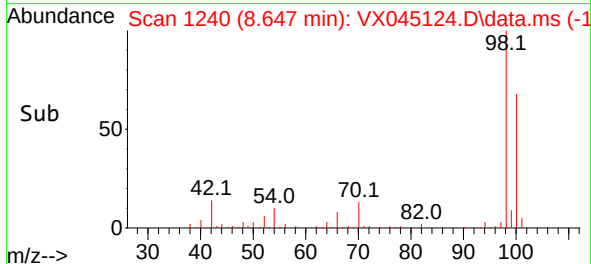
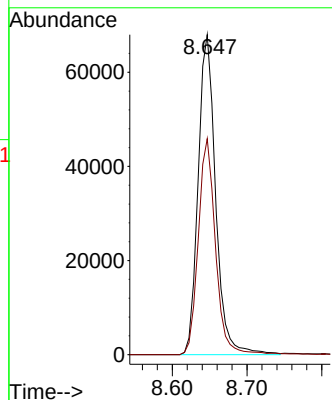
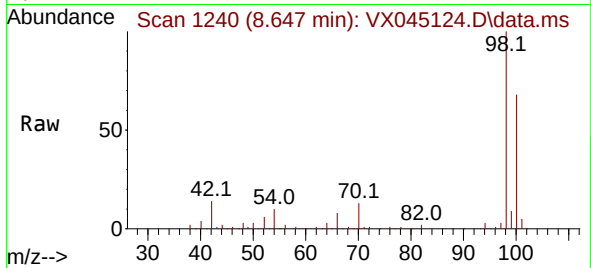




#63
Toluene-d8
Concen: 30.022 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045124.D
Acq: 04 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion: 98 Resp: 110755
Ion Ratio Lower Upper
98 100
100 66.1 51.7 77.5



#77
t-1,4-Dichloro-2-butene
Concen: 43.668 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045124.D
Acq: 04 Mar 2025 10:53

Tgt Ion: 75 Resp: 18129
Ion Ratio Lower Upper
75 100
53 0.0 49.8 149.4#
89 0.0 21.4 64.2#

