

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012325\
 Data File : VX044706.D
 Acq On : 23 Jan 2025 12:17
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 24 03:16:35 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)

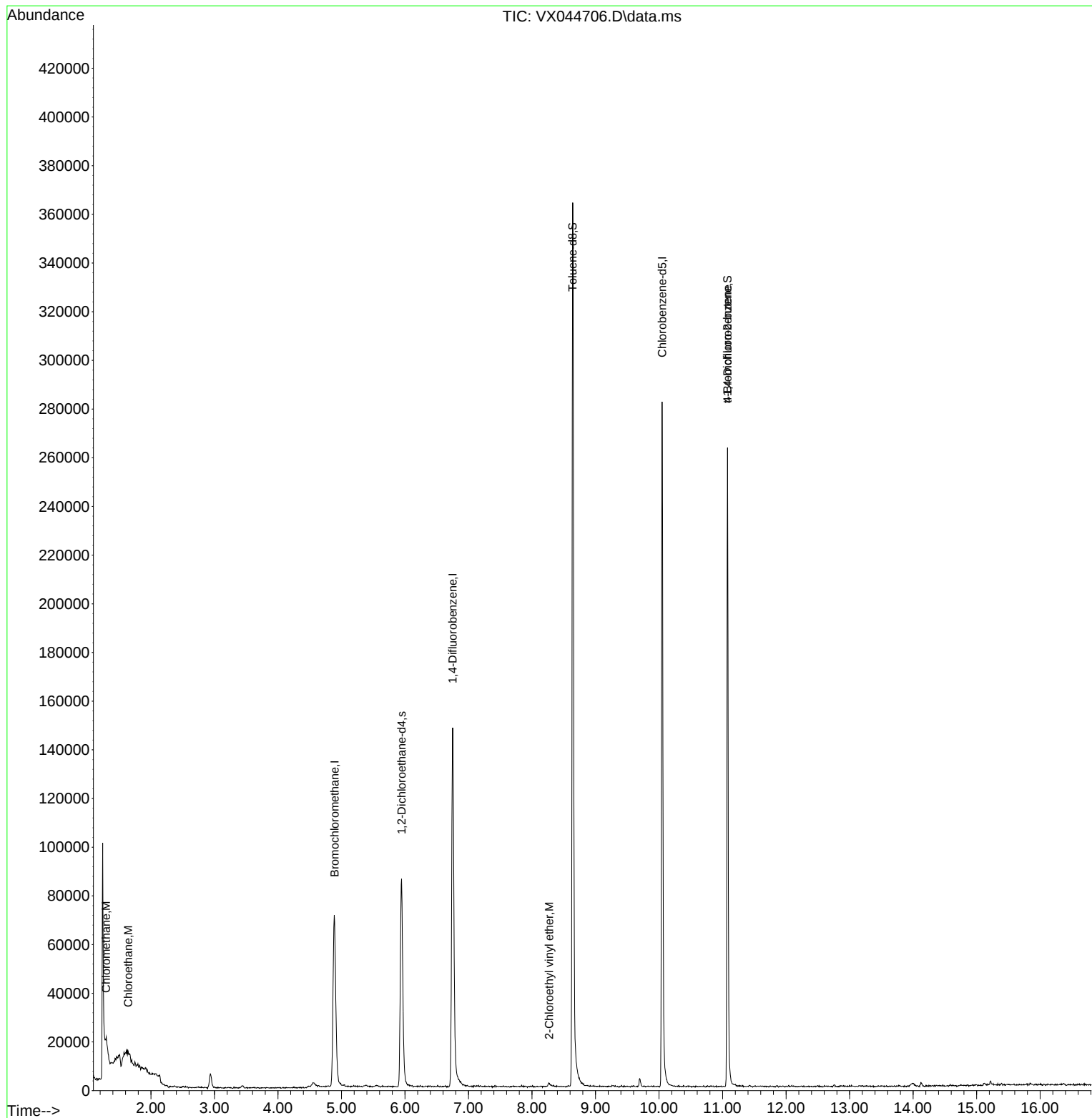
Internal Standards						
1) Bromochloromethane	4.891	128	30761	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.750	114	159960	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	140415	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	80718	27.181	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	90.600%#
60) 4-Bromofluorobenzene	11.079	95	76860	28.181	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.933%
63) Toluene-d8	8.640	98	235770	30.871	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.900%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	624	0.217	ug/l	91
6) Chloroethane	1.642	64	2644	5.924	ug/l #	56
55) 2-Chloroethyl vinyl ether	8.268	63	694	0.388	ug/l #	88
77) t-1,4-Dichloro-2-butene	11.079	75	37438	29.900	ug/l #	13

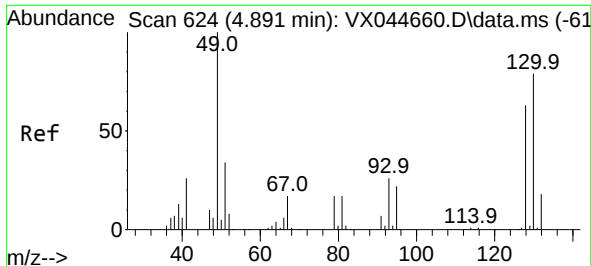
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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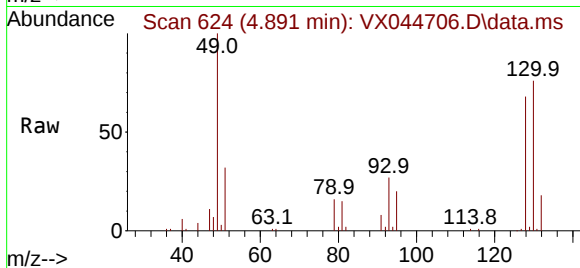
Quant Time: Jan 24 03:16:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 01:21:41 2025
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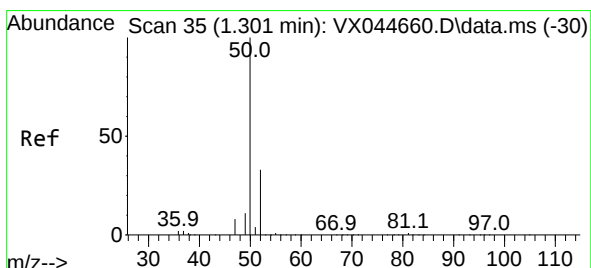
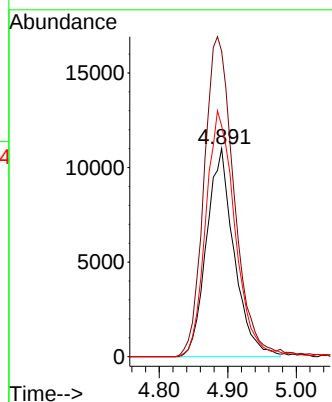
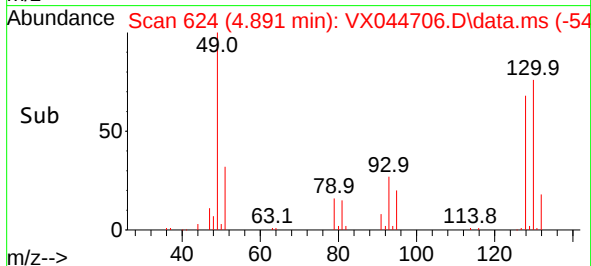


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.891 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX044706.D
Acq: 23 Jan 2025 12:17

Instrument :
MSVOA_X
ClientSampleId :

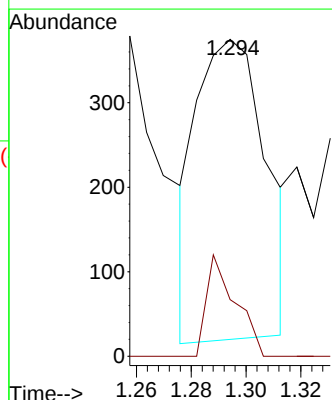
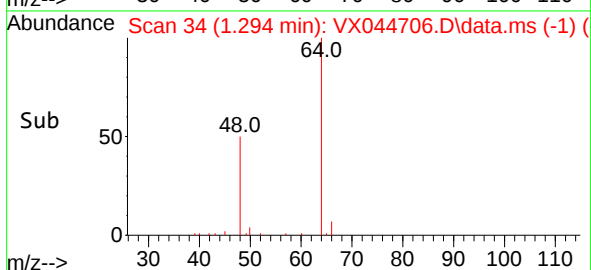
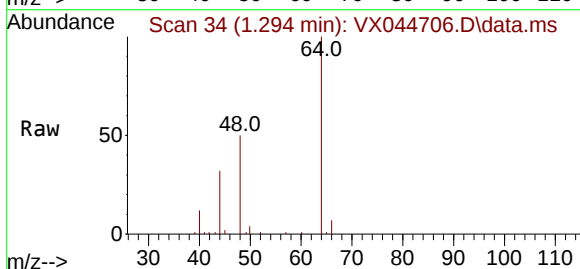


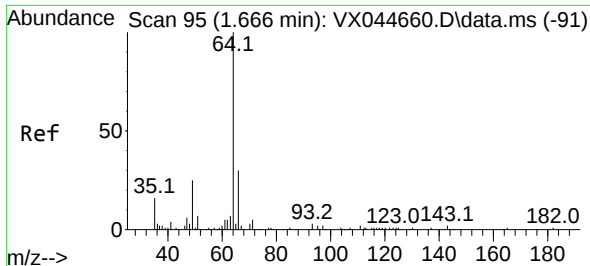
Tgt Ion:128 Resp: 30761
Ion Ratio Lower Upper
128 100
49 167.3 0.0 411.5
130 125.3 0.0 324.3



#3
Chloromethane
Concen: 0.217 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX044706.D
Acq: 23 Jan 2025 12:17

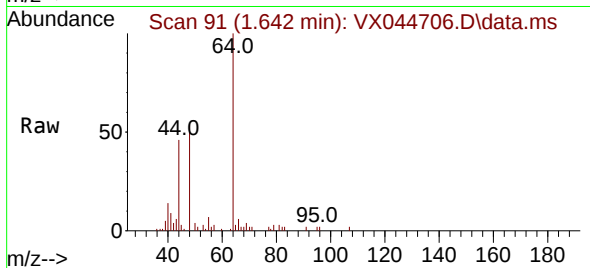
Tgt Ion: 50 Resp: 624
Ion Ratio Lower Upper
50 100
52 38.3 26.5 39.7



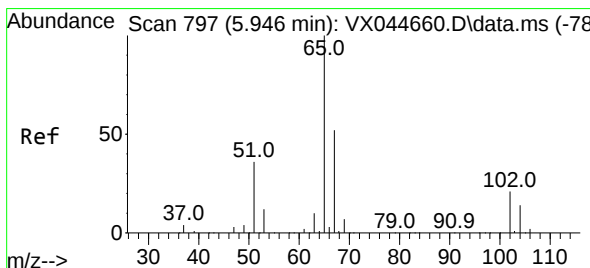
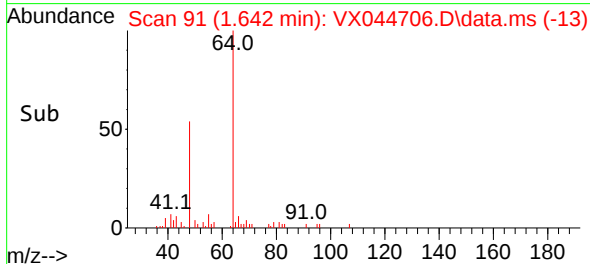
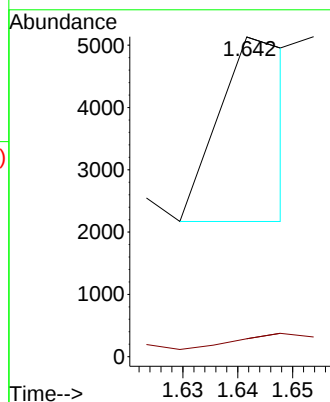


#6
Chloroethane
Concen: 5.924 ug/l
RT: 1.642 min Scan# 91
Delta R.T. -0.025 min
Lab File: VX044706.D
Acq: 23 Jan 2025 12:17

Instrument :
MSVOA_X
ClientSampleId :

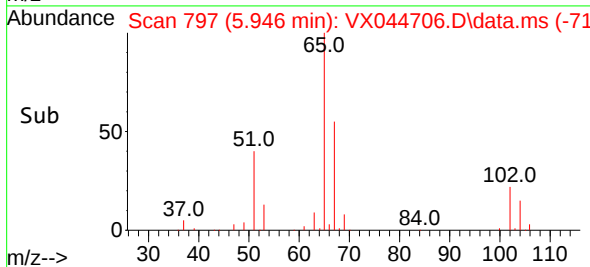
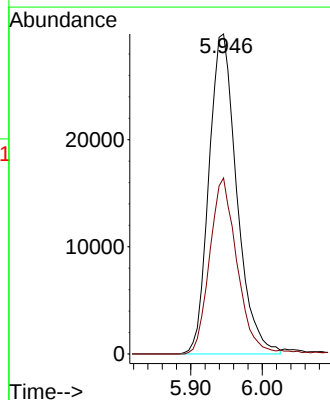
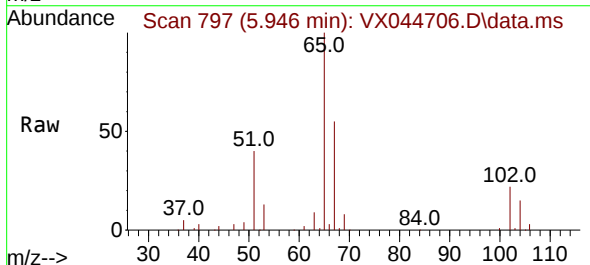


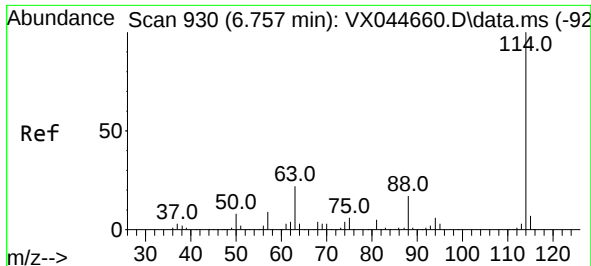
Tgt Ion: 64 Resp: 2644
Ion Ratio Lower Upper
64 100
66 5.8 23.8 35.6#



#27
1,2-Dichloroethane-d4
Concen: 27.181 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.000 min
Lab File: VX044706.D
Acq: 23 Jan 2025 12:17

Tgt Ion: 65 Resp: 80718
Ion Ratio Lower Upper
65 100
67 54.4 41.4 62.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.750 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX044706.D

Acq: 23 Jan 2025 12:17

Instrument :

MSVOA_X

ClientSampleId :

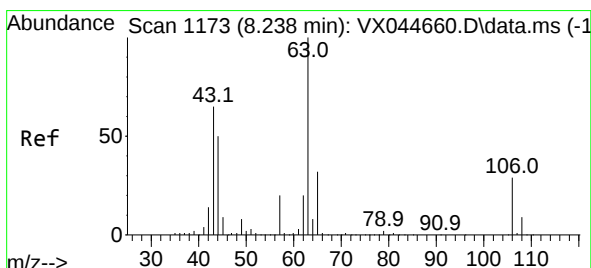
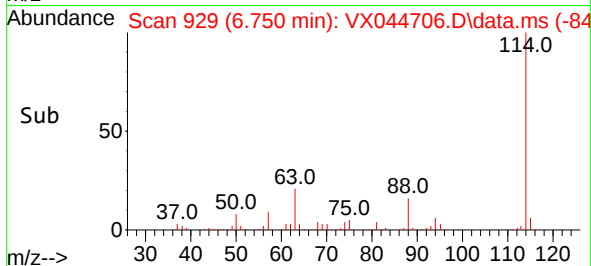
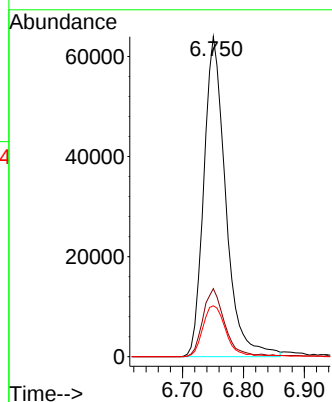
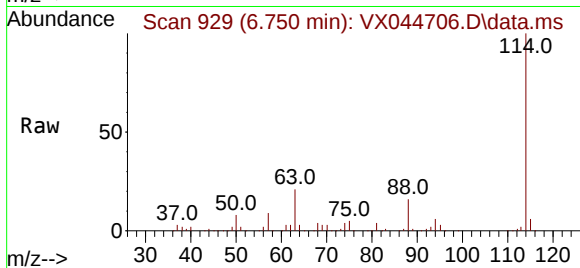
Tgt Ion:114 Resp: 159960

Ion Ratio Lower Upper

114 100

63 20.8 16.6 24.8

88 16.5 13.4 20.2



#55

2-Chloroethyl vinyl ether

Concen: 0.388 ug/l

RT: 8.268 min Scan# 1178

Delta R.T. 0.030 min

Lab File: VX044706.D

Acq: 23 Jan 2025 12:17

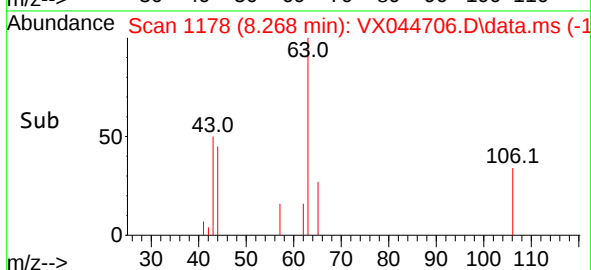
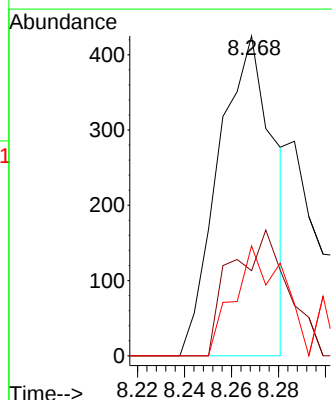
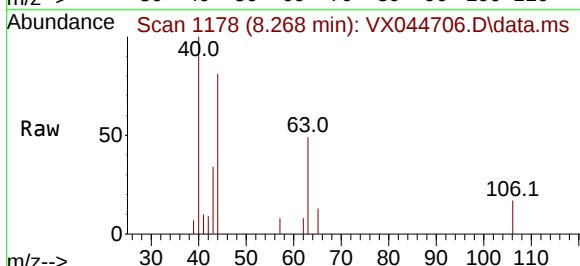
Tgt Ion: 63 Resp: 694

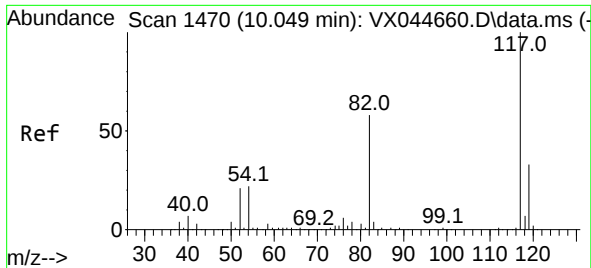
Ion Ratio Lower Upper

63 100

65 21.0 25.8 38.6#

106 30.3 23.1 34.7

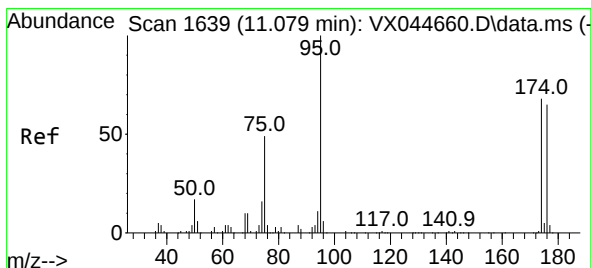
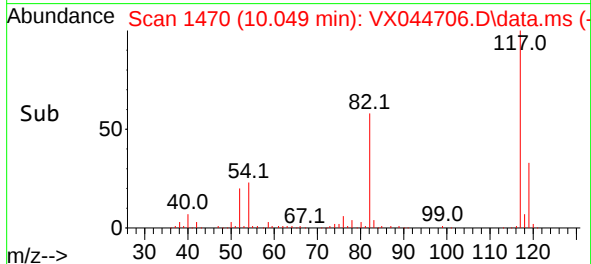
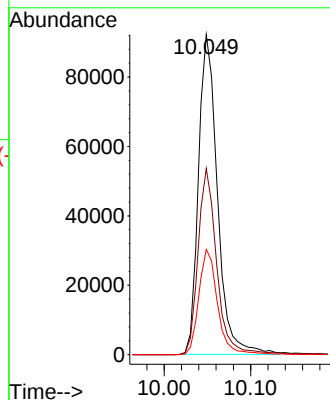
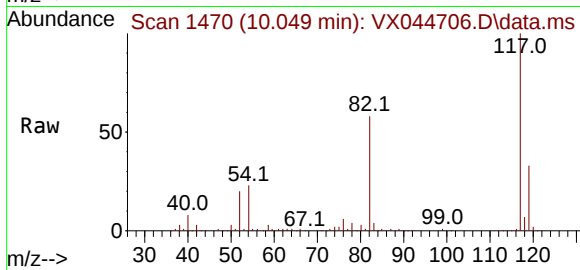




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX044706.D
Acq: 23 Jan 2025 12:17

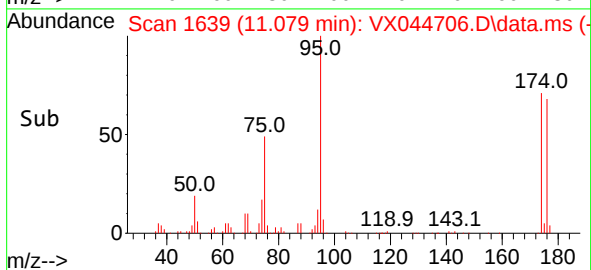
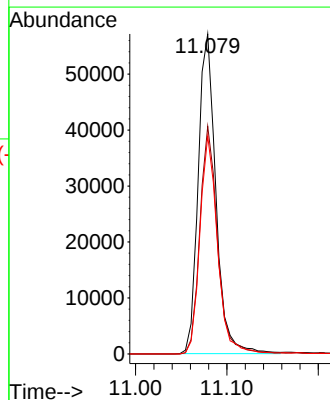
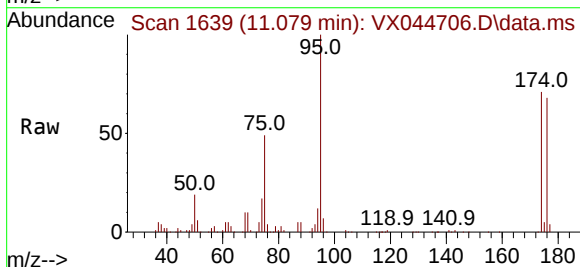
Instrument :
MSVOA_X
ClientSampleId :

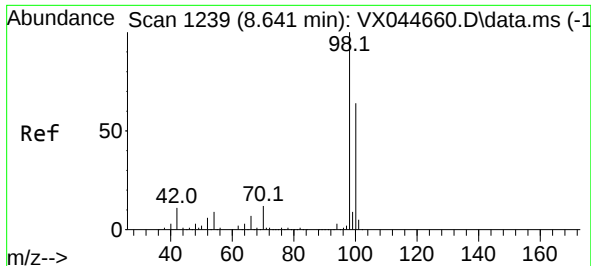
Tgt Ion:117 Resp: 140415
Ion Ratio Lower Upper
117 100
82 56.8 45.8 68.6
119 32.4 25.8 38.6



#60
4-Bromofluorobenzene
Concen: 28.181 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044706.D
Acq: 23 Jan 2025 12:17

Tgt Ion: 95 Resp: 76860
Ion Ratio Lower Upper
95 100
174 71.2 54.6 81.8
176 67.7 52.8 79.2

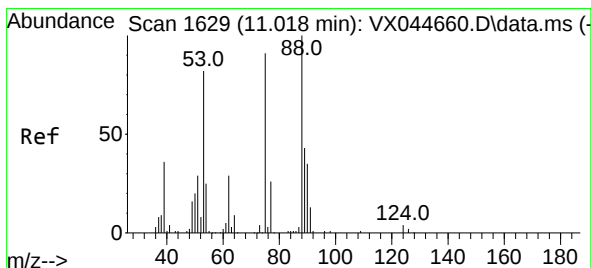
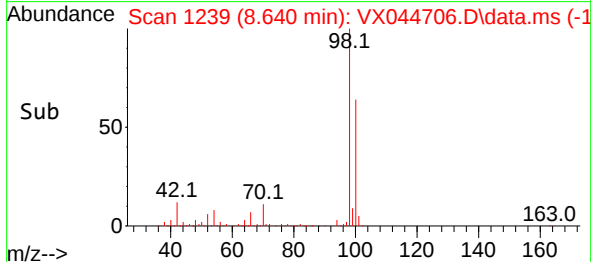
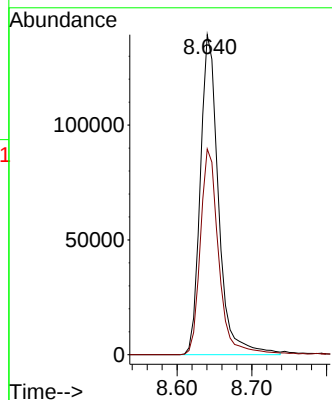
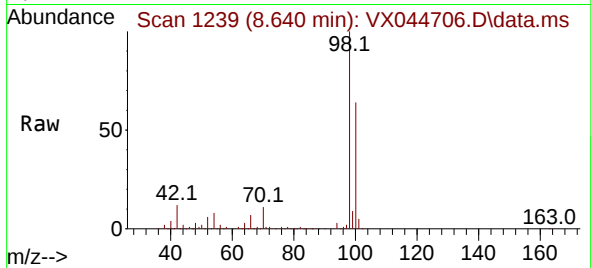




#63
Toluene-d8
Concen: 30.871 ug/l
RT: 8.640 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044706.D
Acq: 23 Jan 2025 12:17

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 98 Resp: 235770
Ion Ratio Lower Upper
98 100
100 65.2 53.6 80.4



#77
t-1,4-Dichloro-2-butene
Concen: 29.900 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044706.D
Acq: 23 Jan 2025 12:17

Tgt Ion: 75 Resp: 37438
Ion Ratio Lower Upper
75 100
53 0.0 45.3 135.9#
89 0.0 23.8 71.2#

