

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
 Data File : VX044668.D
 Acq On : 16 Jan 2025 13:05
 Operator :
 Sample : VX0116WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 17 01:30:45 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)

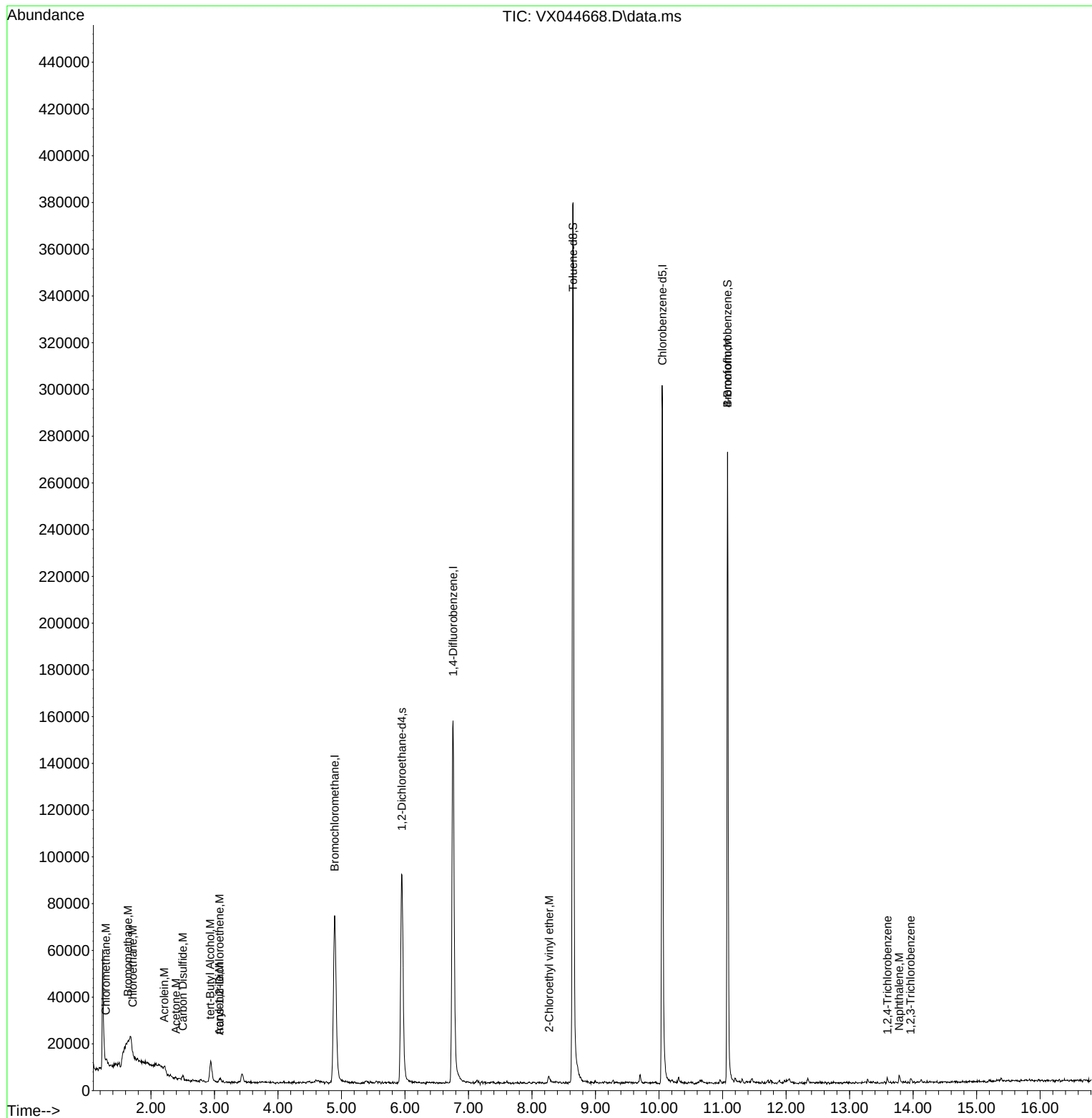
Internal Standards						
1) Bromochloromethane	4.891	128	31761	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	169032	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	146905	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	90316	29.455	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.200%
60) 4-Bromofluorobenzene	11.079	95	82031	28.749	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	95.833%
63) Toluene-d8	8.647	98	251184	31.437	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	104.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	669	0.225	ug/l #	83
5) Bromomethane	1.636	94	211	0.300	ug/l	89
6) Chloroethane	1.715	64	278	0.603	ug/l	100
13) Acrolein	2.209	56	227	0.599	ug/l	95
14) Acrylonitrile	3.075	53	294	0.236	ug/l #	63
15) Acetone	2.392	58	317	0.947	ug/l	72
16) Carbon Disulfide	2.502	76	2487	0.381	ug/l	96
19) trans-1,2-Dichloroethene	3.081	96	508	0.218	ug/l #	76
23) tert-Butyl Alcohol	2.934	59	5697	9.438	ug/l #	100
55) 2-Chloroethyl vinyl ether	8.269	63	1330	0.705	ug/l #	74
56) Bromoform	11.079	173	441	0.249	ug/l #	1
89) 1,2,4-Trichlorobenzene	13.597	180	588	0.234	ug/l #	77
91) Naphthalene	13.780	128	2944	0.313	ug/l #	93
92) 1,2,3-Trichlorobenzene	13.963	180	629	0.246	ug/l	93

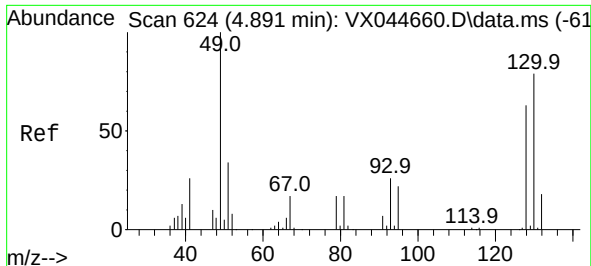
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
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ALS Vial : 11 Sample Multiplier: 1

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MSVOA_X
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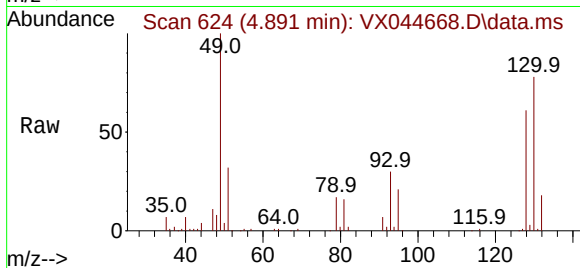
Quant Time: Jan 17 01:30:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 01:21:41 2025
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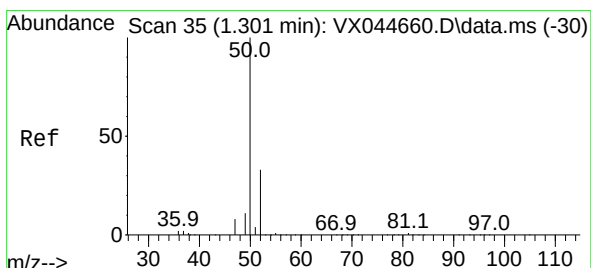
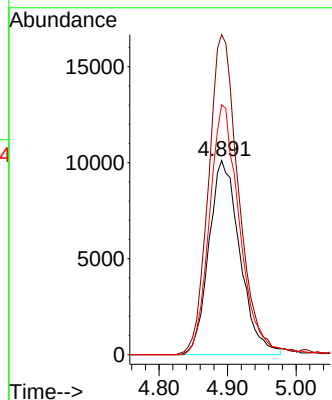
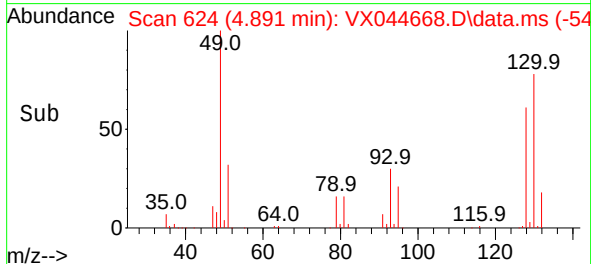


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.891 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX044668.D
Acq: 16 Jan 2025 13:05

Instrument :
MSVOA_X
ClientSampleId :

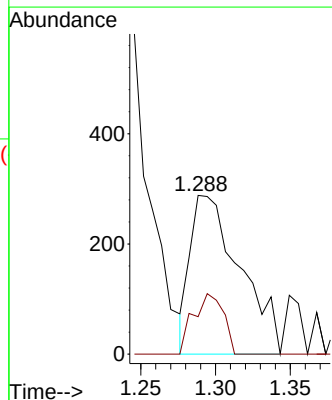
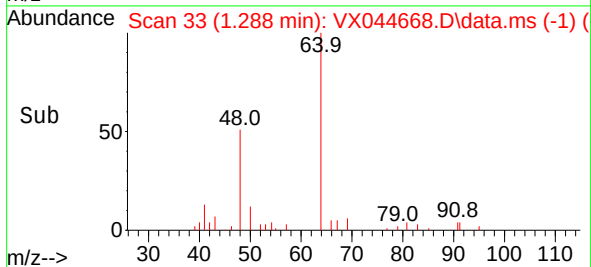
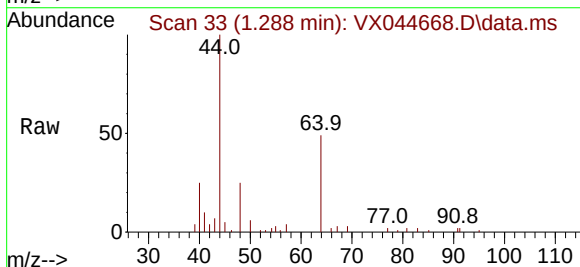


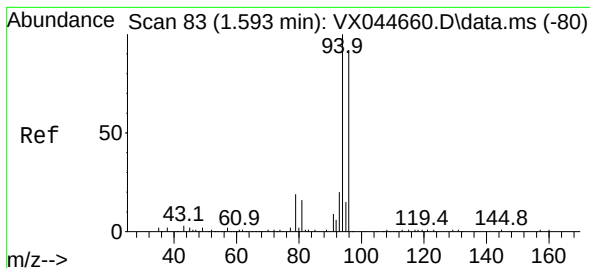
Tgt Ion:128 Resp: 31761
Ion Ratio Lower Upper
128 100
49 159.9 0.0 411.5
130 125.2 0.0 324.3



#3
Chloromethane
Concen: 0.225 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.012 min
Lab File: VX044668.D
Acq: 16 Jan 2025 13:05

Tgt Ion: 50 Resp: 669
Ion Ratio Lower Upper
50 100
52 23.6 26.5 39.7#





#5

Bromomethane

Concen: 0.300 ug/l

RT: 1.636 min Scan# 90

Delta R.T. 0.043 min

Lab File: VX044668.D

Acq: 16 Jan 2025 13:05

Instrument :

MSVOA_X

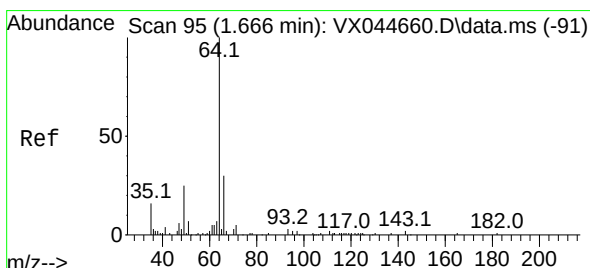
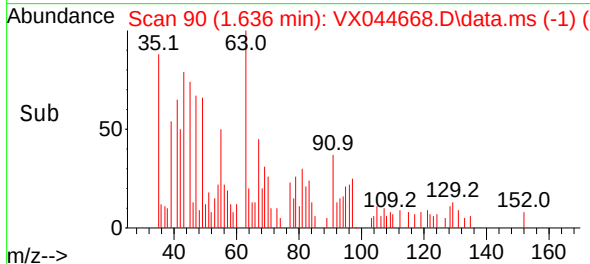
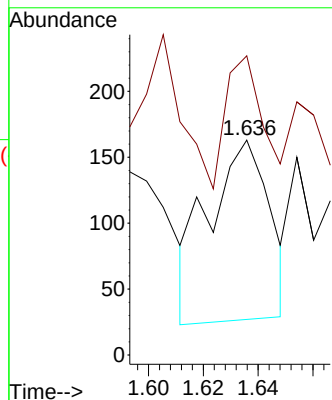
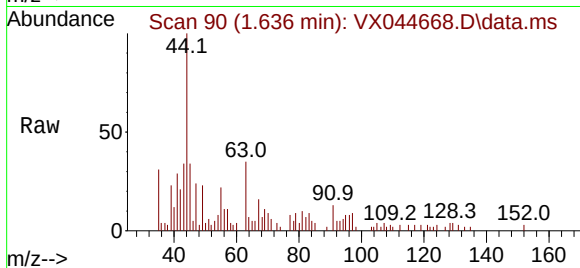
ClientSampleId :

Tgt Ion: 94 Resp: 211

Ion Ratio Lower Upper

94 100

96 102.5 73.3 109.9



#6

Chloroethane

Concen: 0.603 ug/l

RT: 1.715 min Scan# 103

Delta R.T. 0.049 min

Lab File: VX044668.D

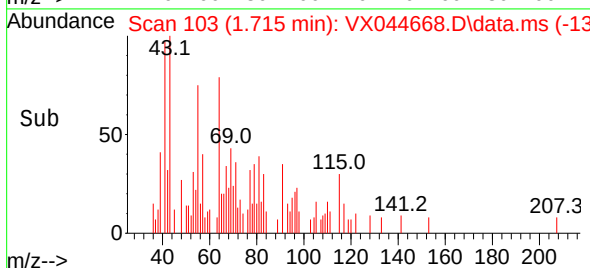
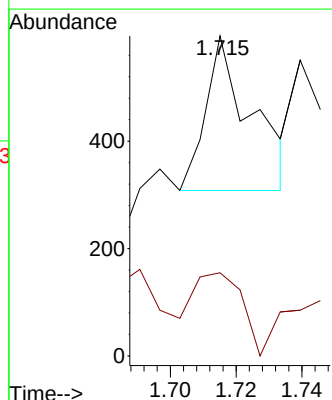
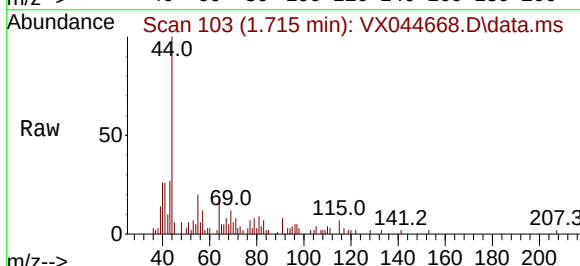
Acq: 16 Jan 2025 13:05

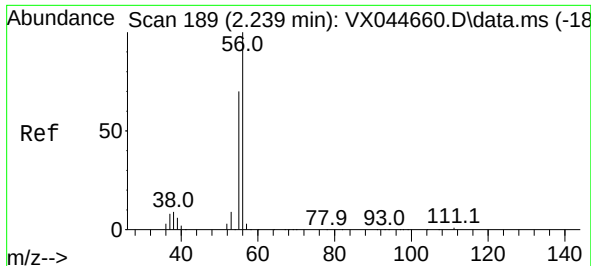
Tgt Ion: 64 Resp: 278

Ion Ratio Lower Upper

64 100

66 29.5 23.8 35.6

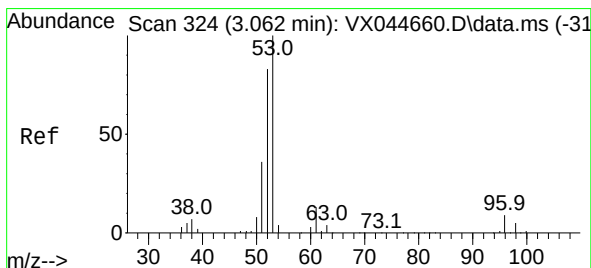
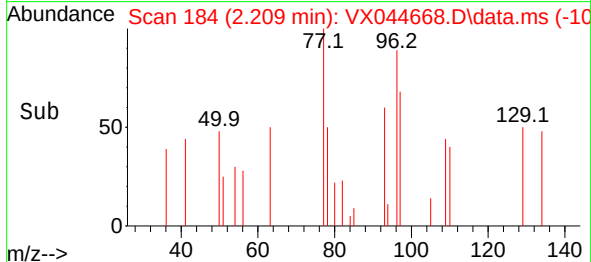
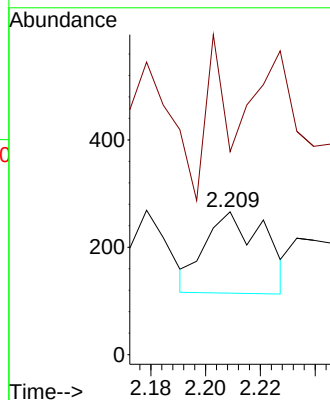
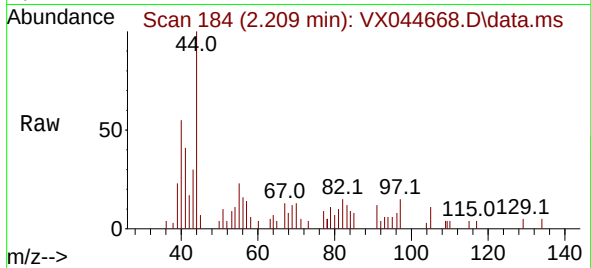




#13
Acrolein
Concen: 0.599 ug/l
RT: 2.209 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX044668.D
Acq: 16 Jan 2025 13:05

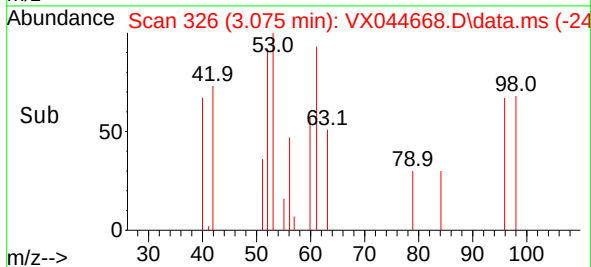
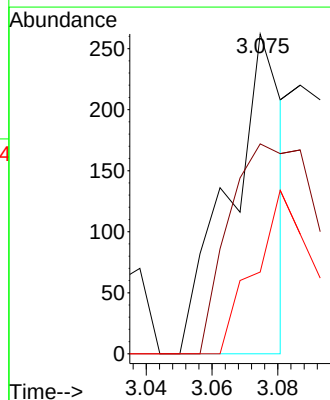
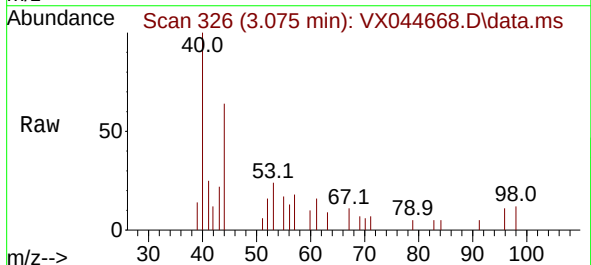
Instrument :
MSVOA_X
ClientSampleId :

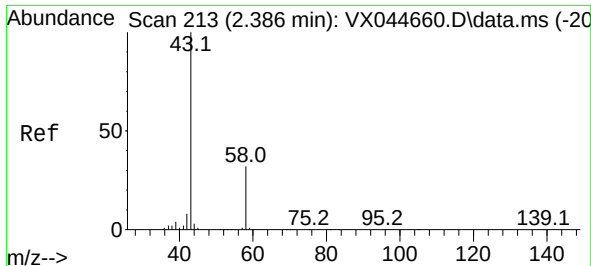
Tgt Ion: 56 Resp: 227
Ion Ratio Lower Upper
56 100
55 67.4 57.5 86.3



#14
Acrylonitrile
Concen: 0.236 ug/l
RT: 3.075 min Scan# 326
Delta R.T. 0.012 min
Lab File: VX044668.D
Acq: 16 Jan 2025 13:05

Tgt Ion: 53 Resp: 294
Ion Ratio Lower Upper
53 100
52 115.6 41.4 124.2
51 58.5 18.1 54.4#

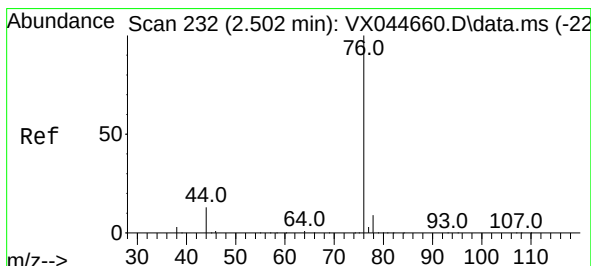
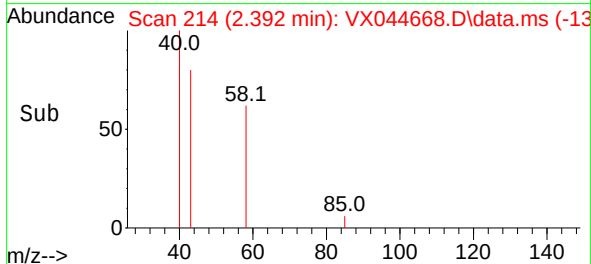
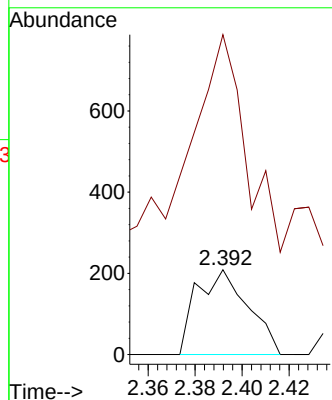
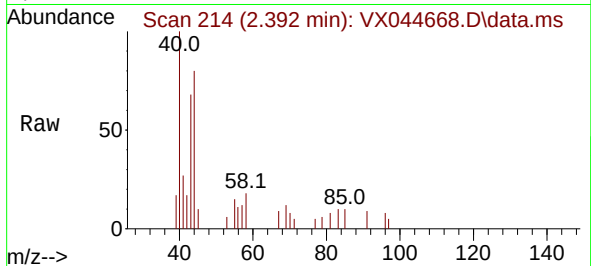




#15
Acetone
Concen: 0.947 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX044668.D
Acq: 16 Jan 2025 13:05

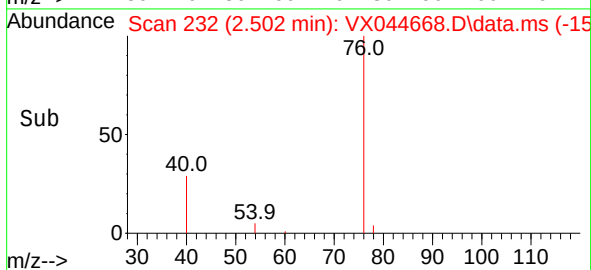
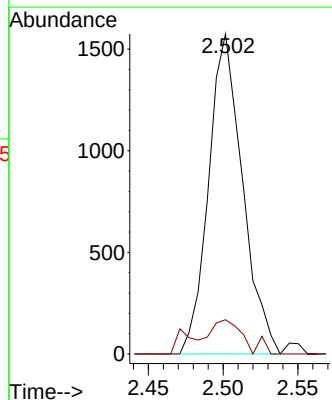
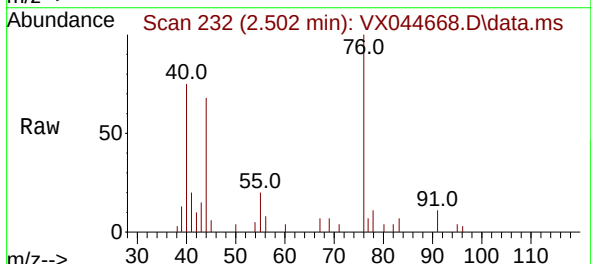
Instrument :
MSVOA_X
ClientSampleId :

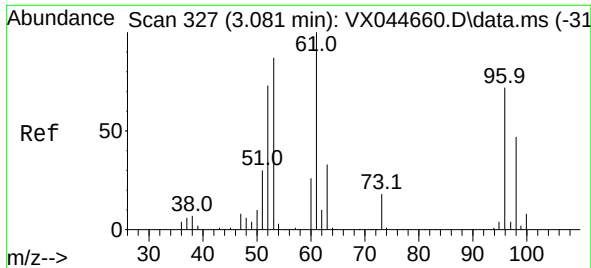
Tgt Ion: 58 Resp: 317
Ion Ratio Lower Upper
58 100
43 256.5 251.0 376.4



#16
Carbon Disulfide
Concen: 0.381 ug/l
RT: 2.502 min Scan# 232
Delta R.T. 0.000 min
Lab File: VX044668.D
Acq: 16 Jan 2025 13:05

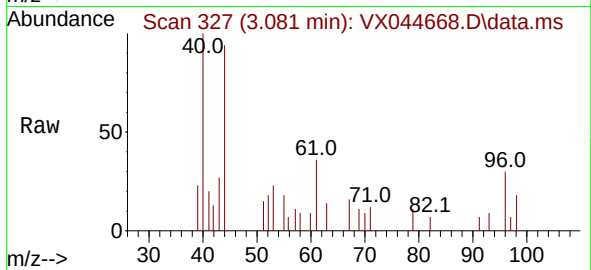
Tgt Ion: 76 Resp: 2487
Ion Ratio Lower Upper
76 100
78 10.7 7.3 10.9



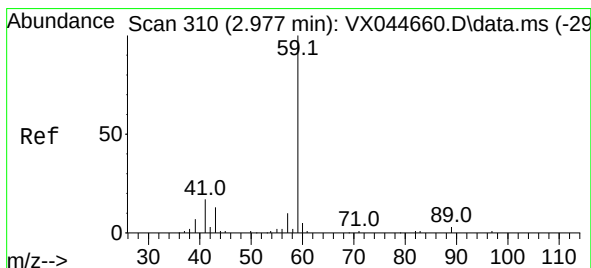
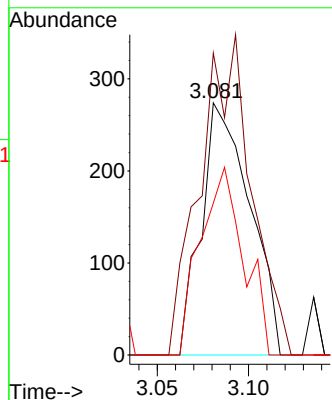
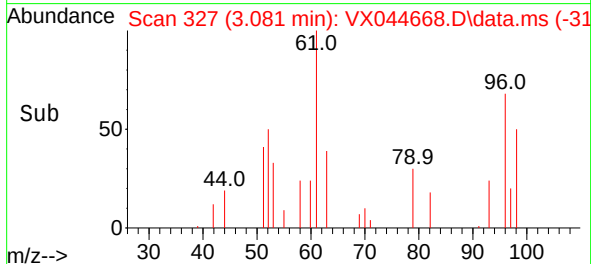


#19
trans-1,2-Dichloroethene
Concen: 0.218 ug/l
RT: 3.081 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044668.D
Acq: 16 Jan 2025 13:05

Instrument :
MSVOA_X
ClientSampleId :

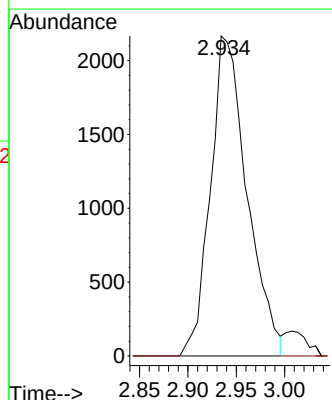
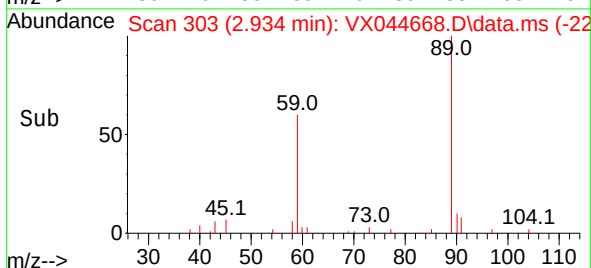
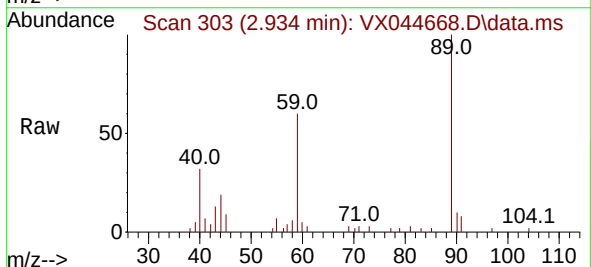


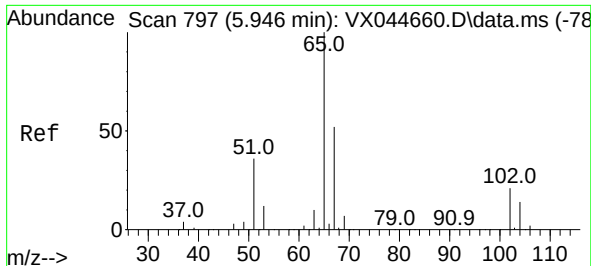
Tgt Ion: 96 Resp: 508
Ion Ratio Lower Upper
96 100
61 101.1 111.5 167.3#
98 60.2 52.6 79.0



#23
tert-Butyl Alcohol
Concen: 9.438 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.043 min
Lab File: VX044668.D
Acq: 16 Jan 2025 13:05

Tgt Ion: 59 Resp: 5697
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#

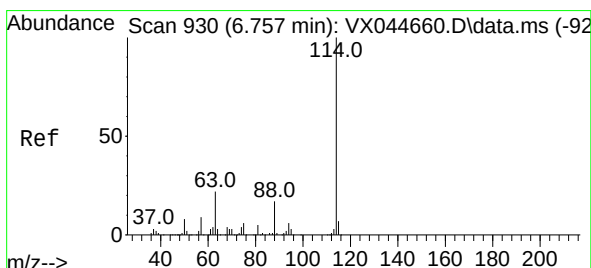
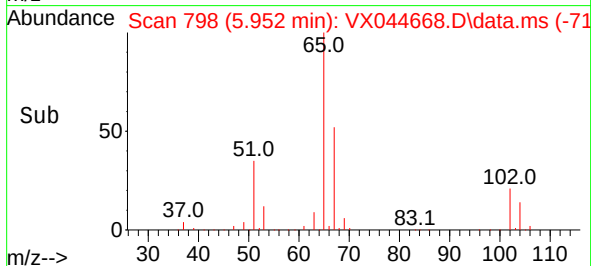
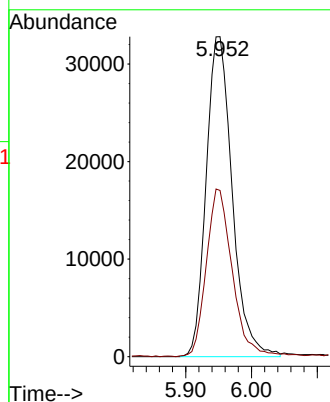
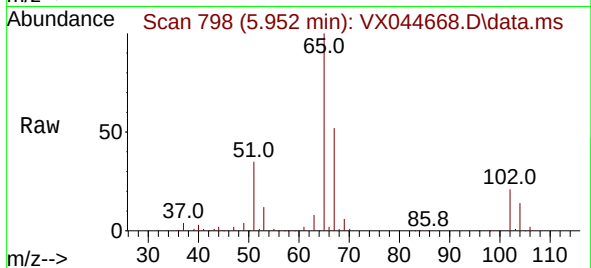




#27
 1,2-Dichloroethane-d4
 Concen: 29.455 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.006 min
 Lab File: VX044668.D
 Acq: 16 Jan 2025 13:05

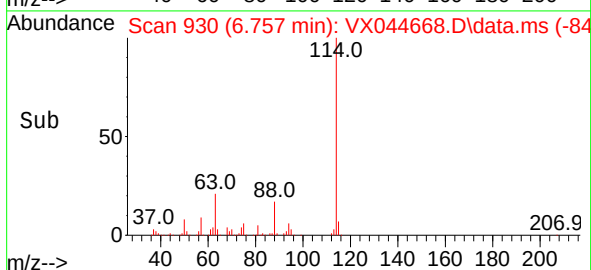
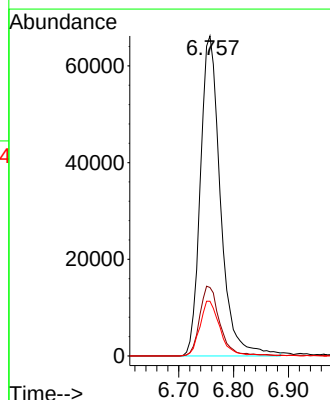
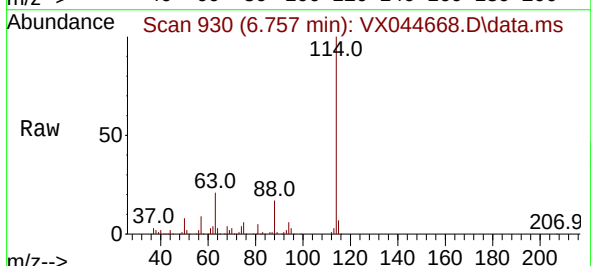
Instrument :
 MSVOA_X
 ClientSampleId :

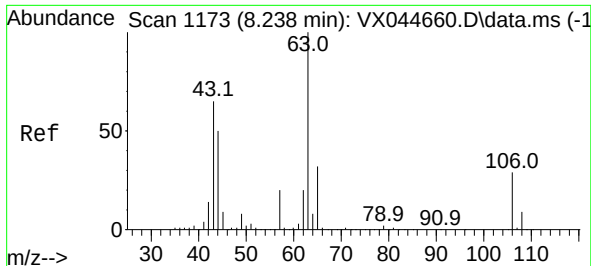
Tgt Ion: 65 Resp: 90316
 Ion Ratio Lower Upper
 65 100
 67 52.1 41.4 62.2



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX044668.D
 Acq: 16 Jan 2025 13:05

Tgt Ion: 114 Resp: 169032
 Ion Ratio Lower Upper
 114 100
 63 21.6 16.6 24.8
 88 16.9 13.4 20.2





#55

2-Chloroethyl vinyl ether

Concen: 0.705 ug/l

RT: 8.269 min Scan# 1

Delta R.T. 0.031 min

Lab File: VX044668.D

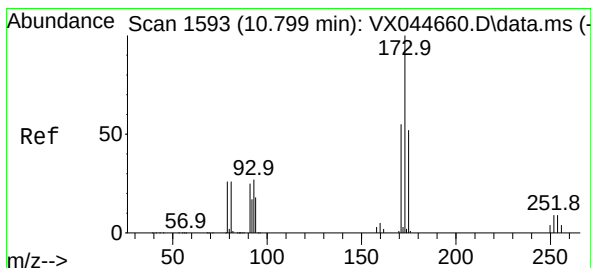
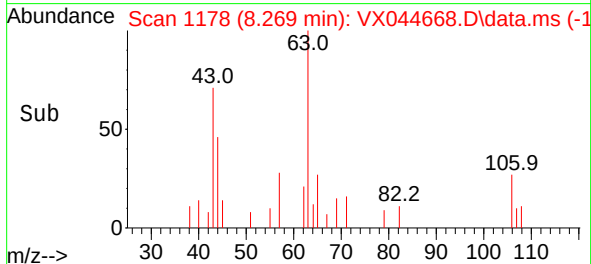
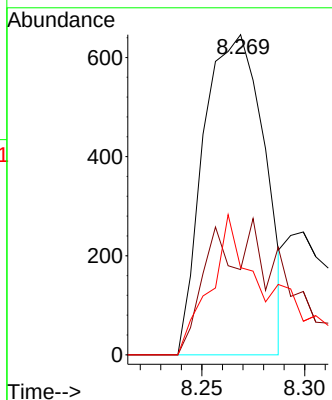
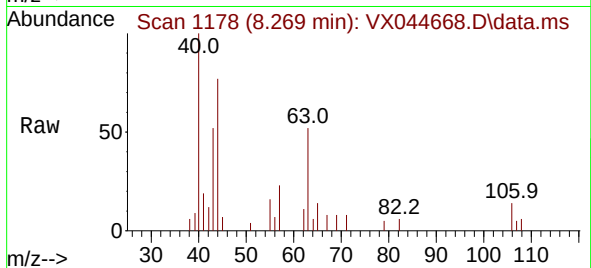
Acq: 16 Jan 2025 13:05

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 63	Resp:	1330
Ion Ratio	Lower	Upper
63	100	
65	5.0	25.8 38.6#
106	29.1	23.1 34.7



#56

Bromoform

Concen: 0.249 ug/l

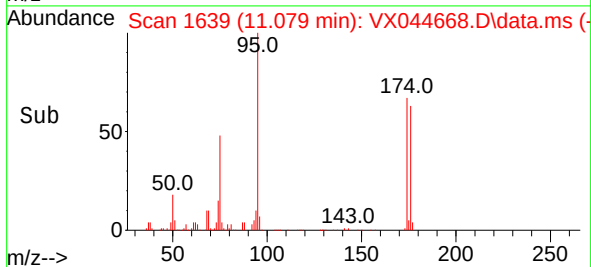
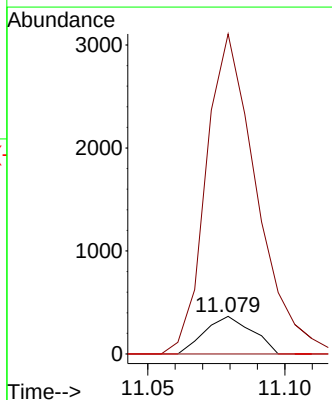
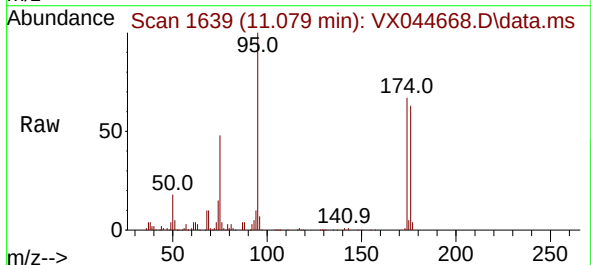
RT: 11.079 min Scan# 1639

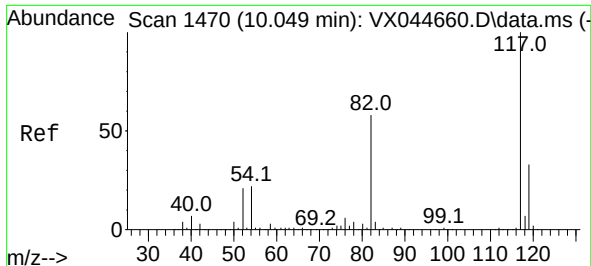
Delta R.T. 0.280 min

Lab File: VX044668.D

Acq: 16 Jan 2025 13:05

Tgt Ion: 173	Resp:	441
Ion Ratio	Lower	Upper
173	100	
175	906.1	39.0 58.6#
254	0.0	6.5 9.7#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VX044668.D

Acq: 16 Jan 2025 13:05

Instrument :

MSVOA_X

ClientSampleId :

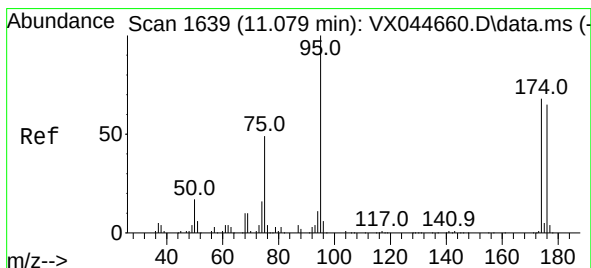
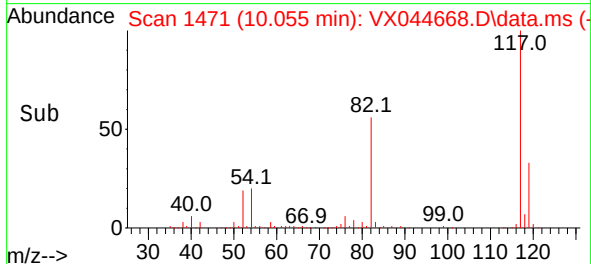
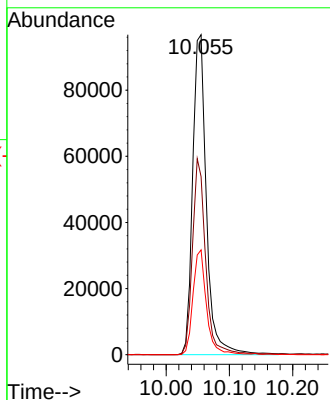
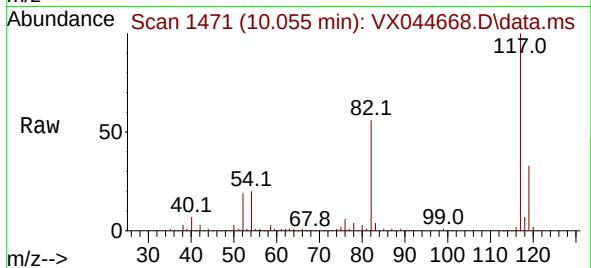
Tgt Ion:117 Resp: 146905

Ion Ratio Lower Upper

117 100

82 58.4 45.8 68.6

119 32.0 25.8 38.6



#60

4-Bromofluorobenzene

Concen: 28.749 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX044668.D

Acq: 16 Jan 2025 13:05

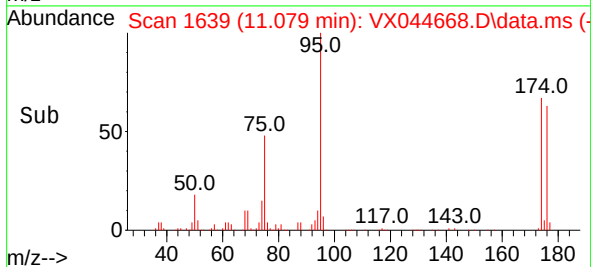
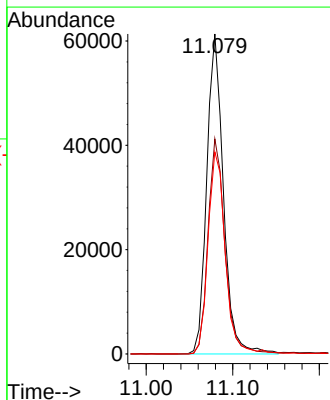
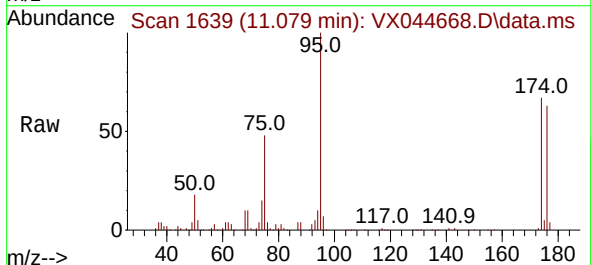
Tgt Ion: 95 Resp: 82031

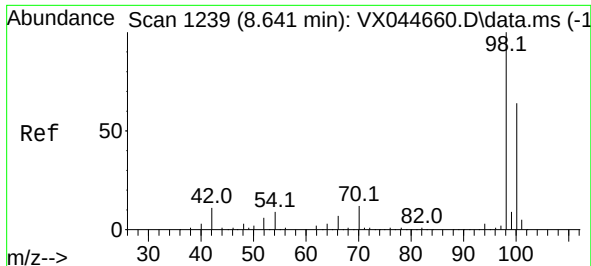
Ion Ratio Lower Upper

95 100

174 67.9 54.6 81.8

176 64.7 52.8 79.2

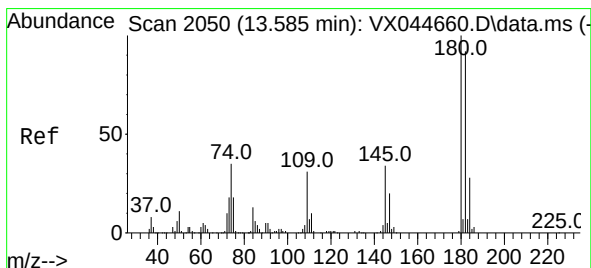
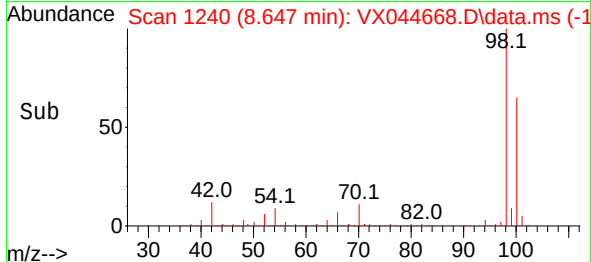
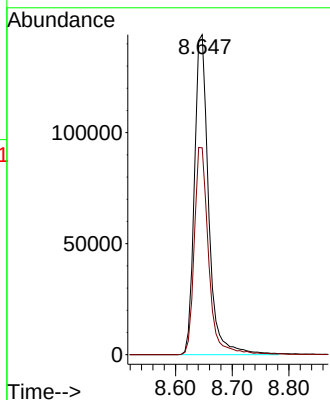
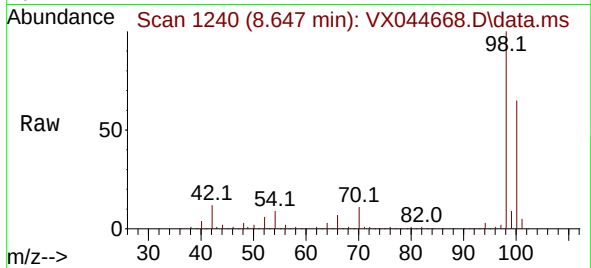




#63
Toluene-d8
Concen: 31.437 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044668.D
Acq: 16 Jan 2025 13:05

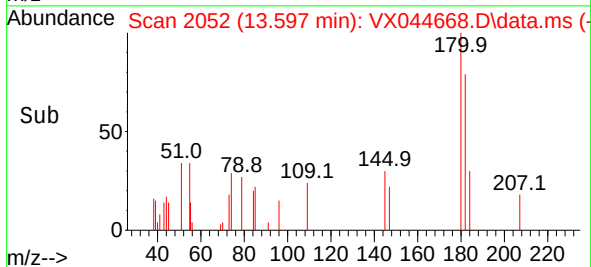
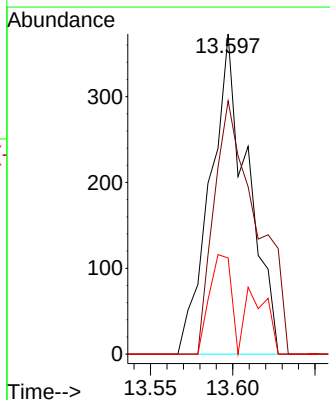
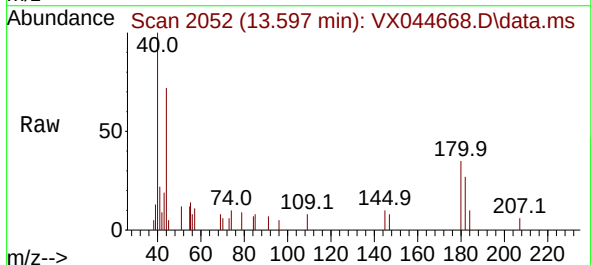
Instrument :
MSVOA_X
ClientSampleId :

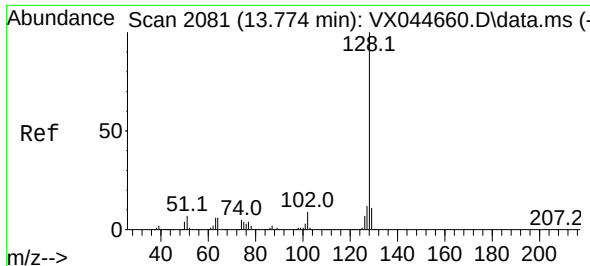
Tgt Ion: 98 Resp: 251184
Ion Ratio Lower Upper
98 100
100 65.2 53.6 80.4



#89
1,2,4-Trichlorobenzene
Concen: 0.234 ug/l
RT: 13.597 min Scan# 2052
Delta R.T. 0.012 min
Lab File: VX044668.D
Acq: 16 Jan 2025 13:05

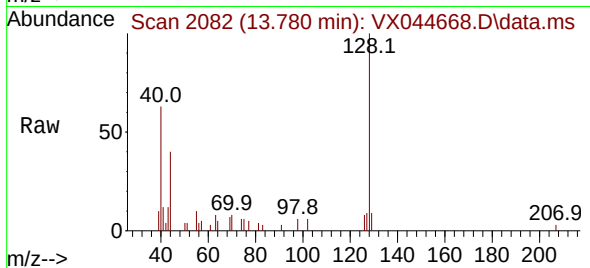
Tgt Ion:180 Resp: 588
Ion Ratio Lower Upper
180 100
182 74.0 75.6 113.4#
145 18.0 26.6 40.0#



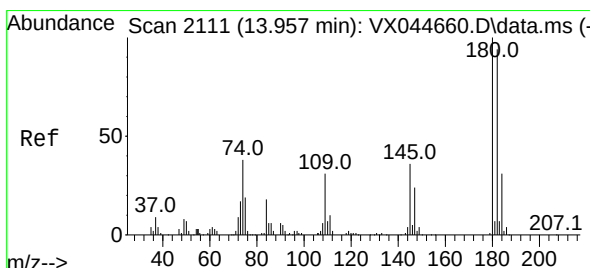
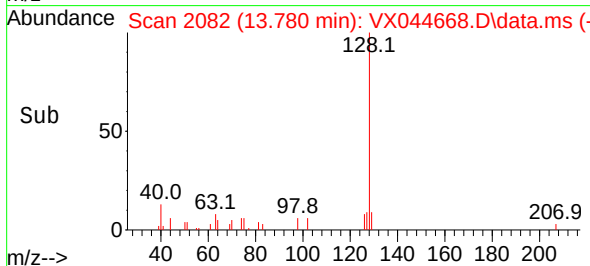
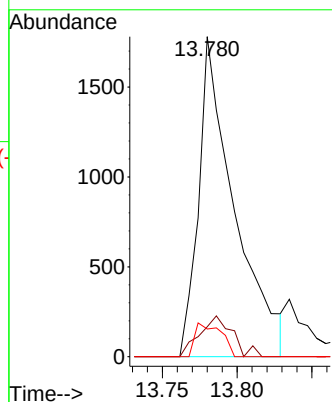


#91
Naphthalene
Concen: 0.313 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX044668.D
Acq: 16 Jan 2025 13:05

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 2944
Ion Ratio Lower Upper
128 100
127 11.0 10.2 15.4
129 7.7 9.0 13.6#



#92
1,2,3-Trichlorobenzene
Concen: 0.246 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX044668.D
Acq: 16 Jan 2025 13:05

Tgt Ion:180 Resp: 629
Ion Ratio Lower Upper
180 100
182 98.7 0.0 187.8
145 42.3 0.0 69.8

