

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031924\
 Data File : VX040712.D
 Acq On : 19 Mar 2024 10:53
 Operator : JC/MD
 Sample : VX0319WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0319WBL01

Quant Time: Mar 20 04:33:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X030524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Mar 05 13:21:29 2024
 Response via : Initial Calibration

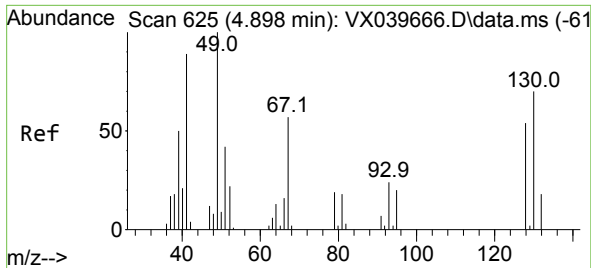
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	4.891	128	15928	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	87340	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	82374	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	47186	29.662	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.867%
60) 4-Bromofluorobenzene	11.079	95	42615	30.160	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	100.533%
63) Toluene-d8	8.647	98	106555	29.271	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.567%
Target Compounds						
					Qvalue	
13) Acrolein	2.233	56	198	0.671	ug/l #	80
16) Carbon Disulfide	2.514	76	774	0.296	ug/l #	73
18) Methylene Chloride	2.788	84	257	0.237	ug/l #	80
23) tert-Butyl Alcohol	2.953	59	198	0.680	ug/l #	100
51) Ethyl methacrylate	8.647	69	404	0.237	ug/l #	70
55) 2-Chloroethyl vinyl ether	8.257	63	353	0.406	ug/l #	63
56) Bromoform	11.079	173	234	0.267	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	23697	48.110	ug/l #	12
89) 1,2,4-Trichlorobenzene	13.597	180	418	0.276	ug/l	92
90) Hexachlorobutadiene	13.725	225	388	0.634	ug/l	95
91) Naphthalene	13.774	128	1462	0.296	ug/l #	92
92) 1,2,3-Trichlorobenzene	13.597	180	418	0.280	ug/l	94

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

Quant Time: Mar 20 04:33:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X030524W.M
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QLast Update : Tue Mar 05 13:21:29 2024
Response via : Initial Calibration

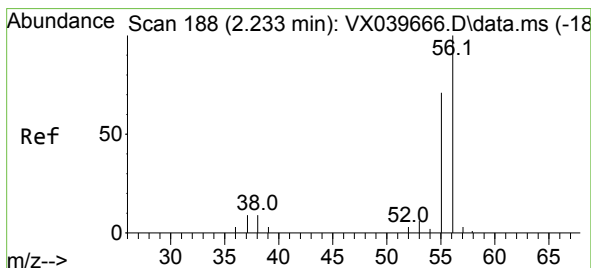
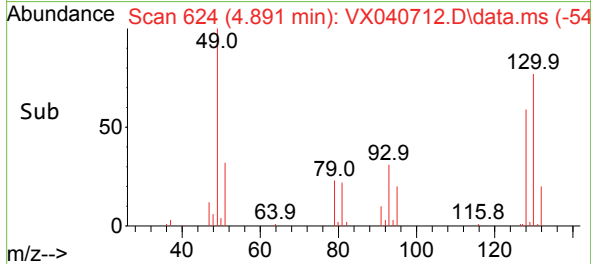
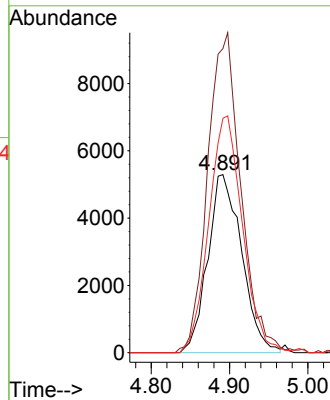
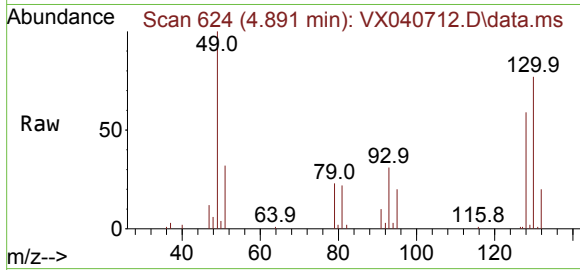




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.891 min Scan# 61
Delta R.T. -0.007 min
Lab File: VX040712.D
Acq: 19 Mar 2024 10:53

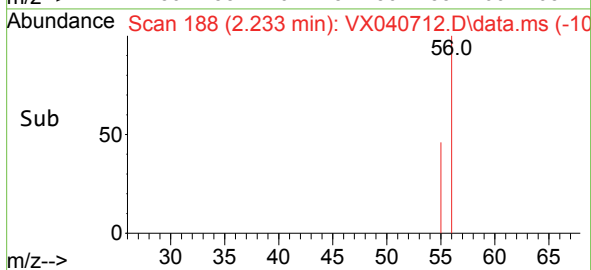
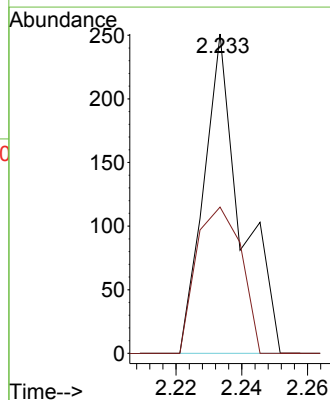
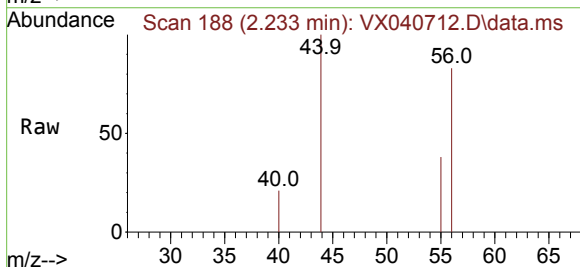
Instrument :
MSVOA_X
ClientSampleId :
VX0319WBL01

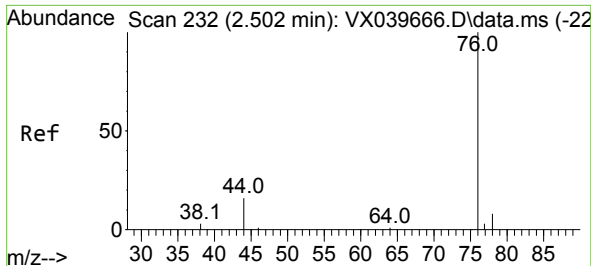
Tgt Ion:128 Resp: 15928
Ion Ratio Lower Upper
128 100
49 175.5 0.0 444.0
130 132.5 0.0 297.8



#13
Acrolein
Concen: 0.671 ug/l
RT: 2.233 min Scan# 188
Delta R.T. 0.000 min
Lab File: VX040712.D
Acq: 19 Mar 2024 10:53

Tgt Ion: 56 Resp: 198
Ion Ratio Lower Upper
56 100
55 55.1 57.2 85.8#

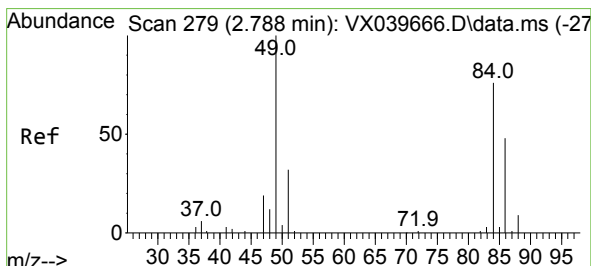
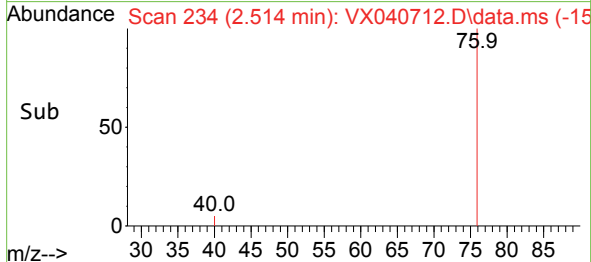
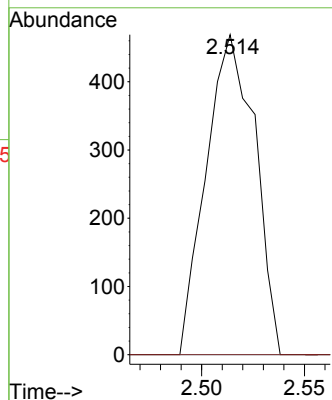
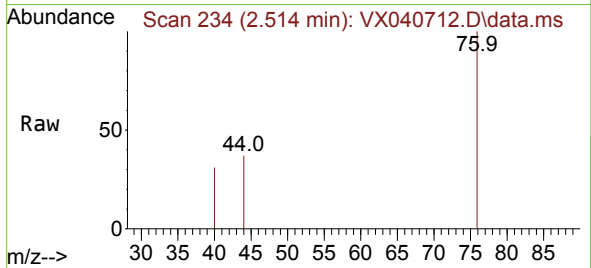




#16
Carbon Disulfide
Concen: 0.296 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX040712.D
Acq: 19 Mar 2024 10:53

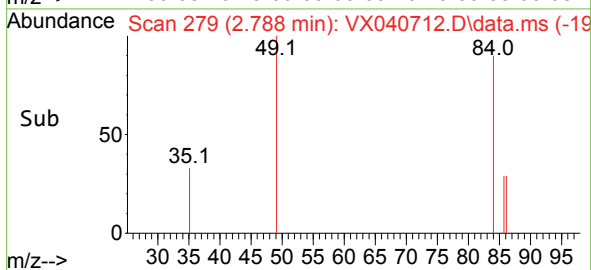
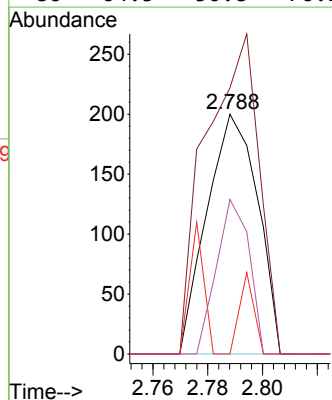
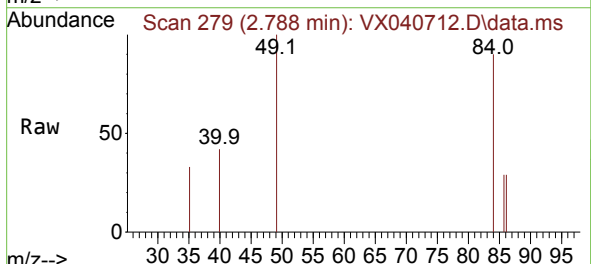
Instrument :
MSVOA_X
ClientSampleId :
VX0319WBL01

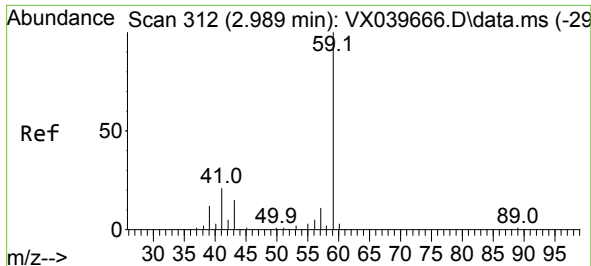
Tgt Ion: 76 Resp: 774
Ion Ratio Lower Upper
76 100
78 0.0 8.0 12.0#



#18
Methylene Chloride
Concen: 0.237 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX040712.D
Acq: 19 Mar 2024 10:53

Tgt Ion: 84 Resp: 257
Ion Ratio Lower Upper
84 100
49 111.0 103.8 155.8
51 0.0 31.8 47.6#
86 64.5 50.8 76.2

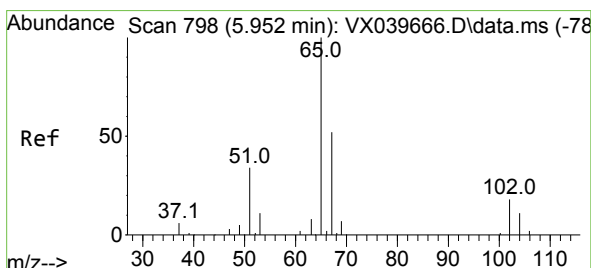
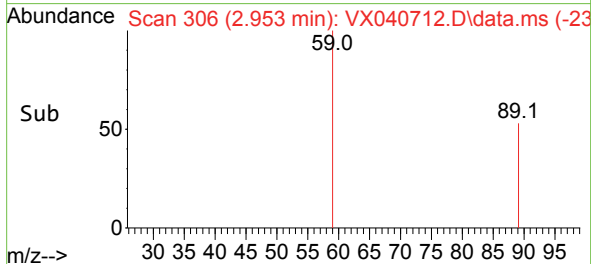
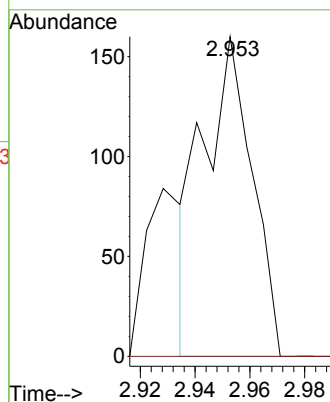
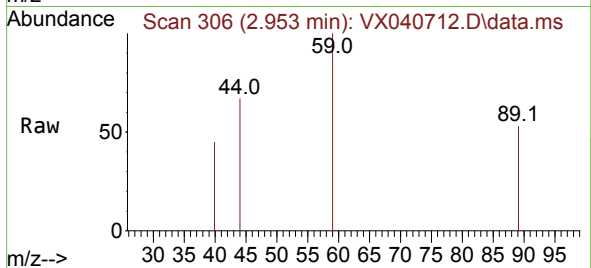




#23
tert-Butyl Alcohol
Concen: 0.680 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.036 min
Lab File: VX040712.D
Acq: 19 Mar 2024 10:53

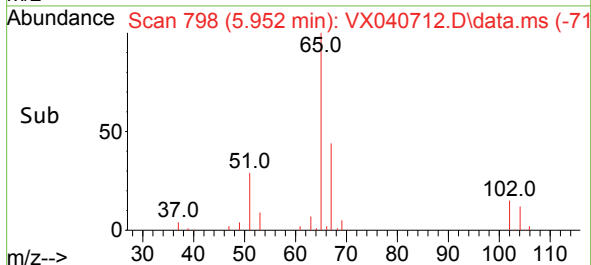
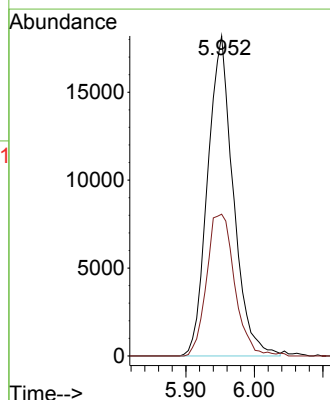
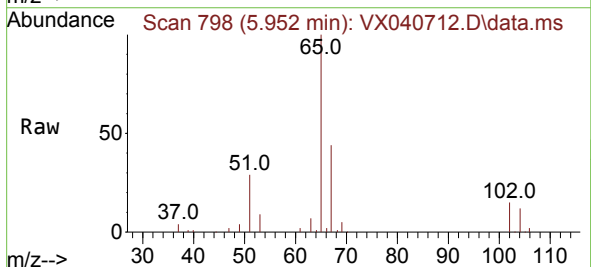
Instrument :
MSVOA_X
ClientSampleId :
VX0319WBL01

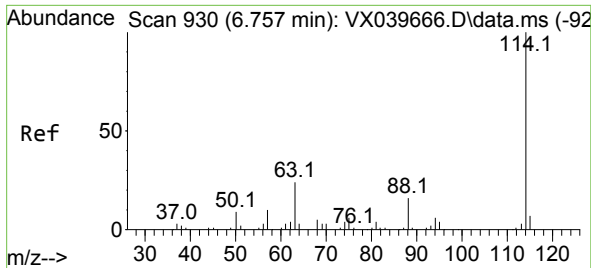
Tgt Ion: 59 Resp: 198
Ion Ratio Lower Upper
59 100
52 10.1 0.0 0.0#



#27
1,2-Dichloroethane-d4
Concen: 29.662 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX040712.D
Acq: 19 Mar 2024 10:53

Tgt Ion: 65 Resp: 47186
Ion Ratio Lower Upper
65 100
67 48.5 42.5 63.7

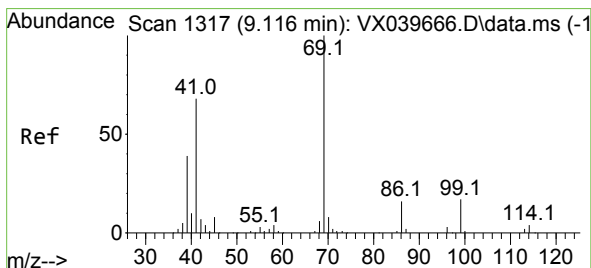
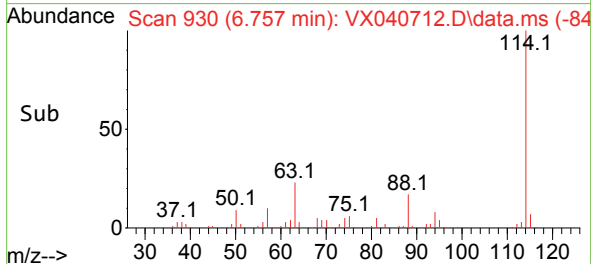
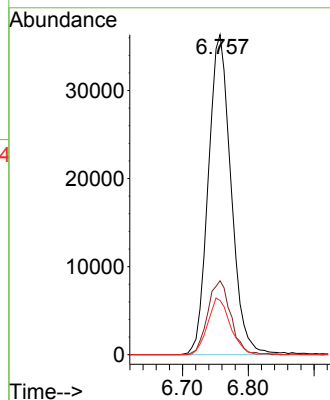
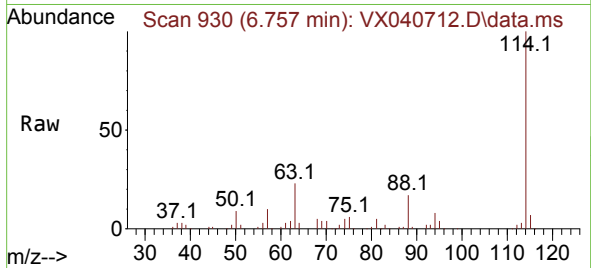




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX040712.D
Acq: 19 Mar 2024 10:53

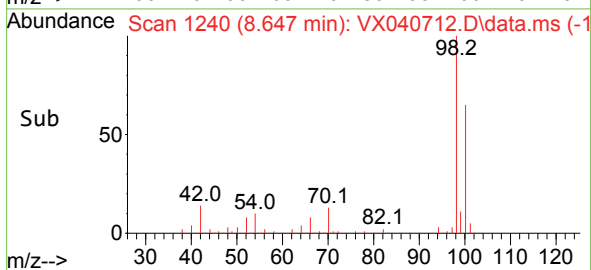
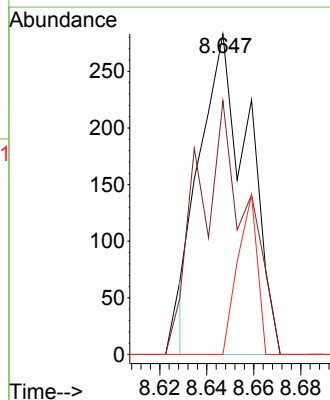
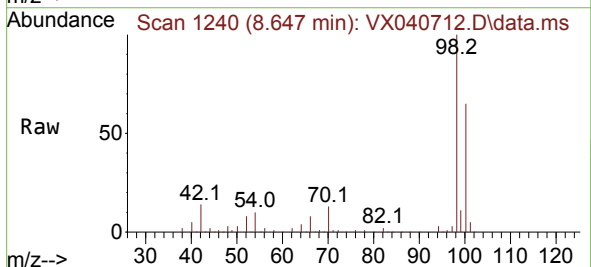
Instrument :
MSVOA_X
ClientSampleId :
VX0319WBL01

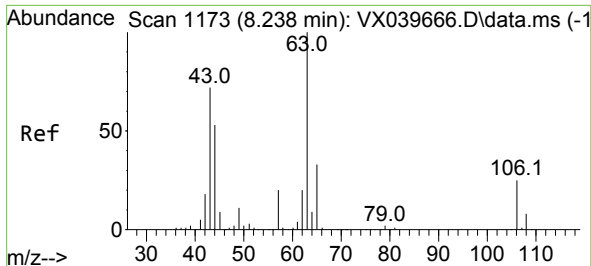
Tgt Ion:114 Resp: 87340
Ion Ratio Lower Upper
114 100
63 23.2 17.0 25.4
88 17.6 12.7 19.1



#51
Ethyl methacrylate
Concen: 0.237 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.469 min
Lab File: VX040712.D
Acq: 19 Mar 2024 10:53

Tgt Ion: 69 Resp: 404
Ion Ratio Lower Upper
69 100
41 79.2 36.2 108.6
39 0.0 21.1 63.4#





#55

2-Chloroethyl vinyl ether

Concen: 0.406 ug/l

RT: 8.257 min Scan# 1176

Delta R.T. 0.019 min

Lab File: VX040712.D

Acq: 19 Mar 2024 10:53

Instrument :

MSVOA_X

ClientSampleId :

VX0319WBL01

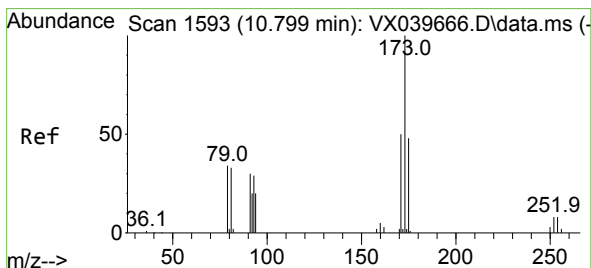
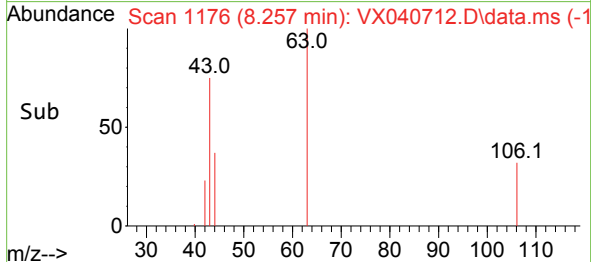
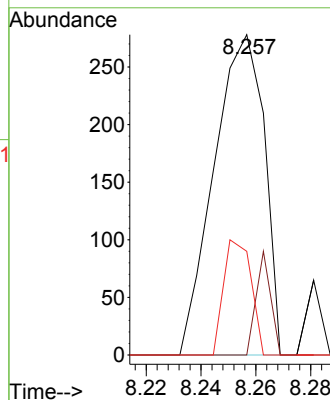
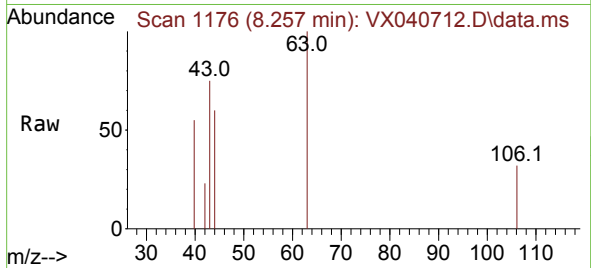
Tgt Ion: 63 Resp: 353

Ion Ratio Lower Upper

63 100

65 0.0 25.8 38.6#

106 19.5 20.6 31.0#



#56

Bromoform

Concen: 0.267 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.280 min

Lab File: VX040712.D

Acq: 19 Mar 2024 10:53

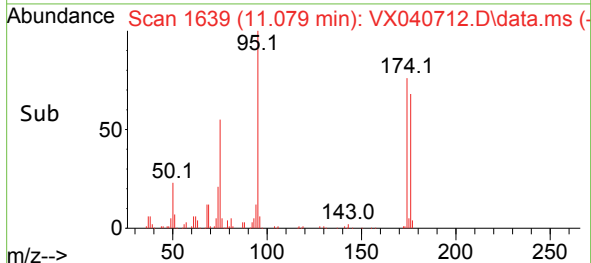
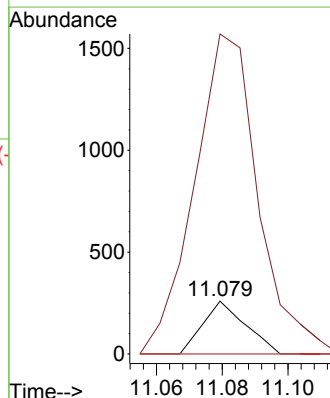
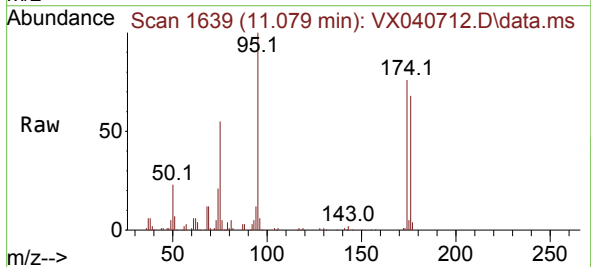
Tgt Ion: 173 Resp: 234

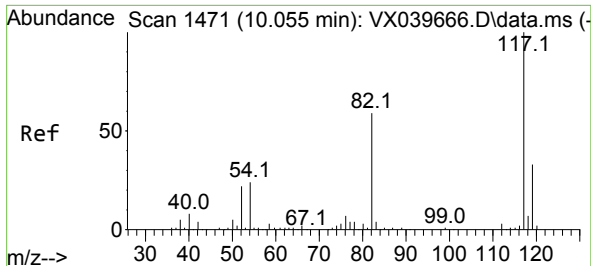
Ion Ratio Lower Upper

173 100

175 905.1 37.6 56.4#

254 0.0 5.8 8.8#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.049 min Scan# 1471

Delta R.T. -0.006 min

Lab File: VX040712.D

Acq: 19 Mar 2024 10:53

Instrument :

MSVOA_X

ClientSampleId :

VX0319WBL01

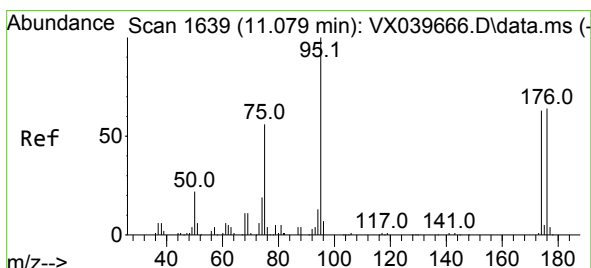
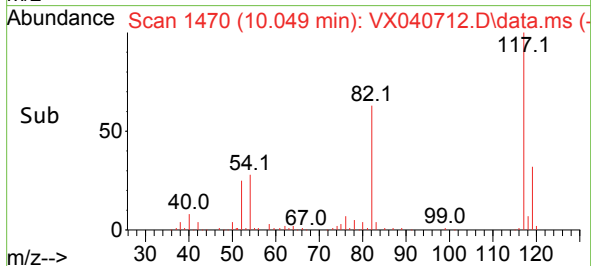
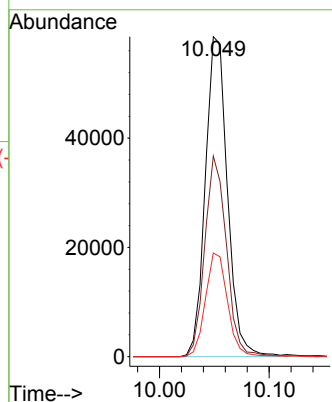
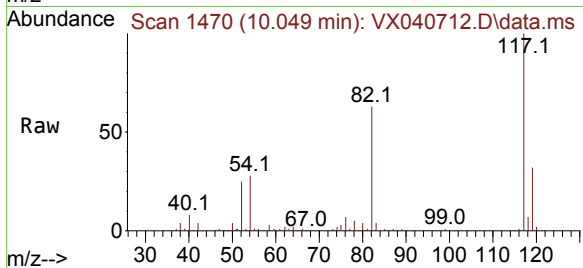
Tgt Ion:117 Resp: 82374

Ion Ratio Lower Upper

117 100

82 61.5 47.0 70.6

119 32.4 25.2 37.8



#60

4-Bromofluorobenzene

Concen: 30.160 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX040712.D

Acq: 19 Mar 2024 10:53

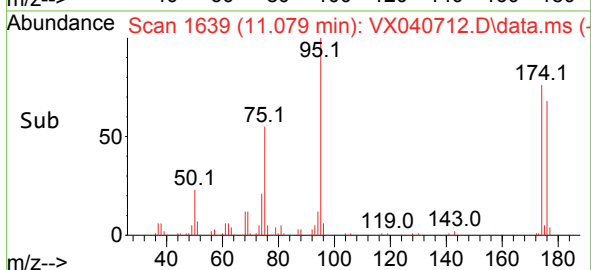
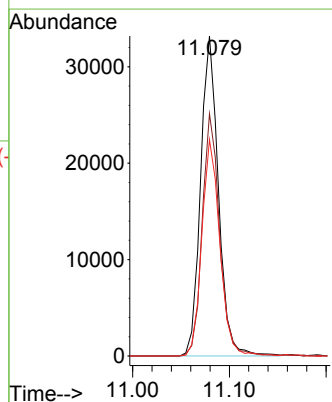
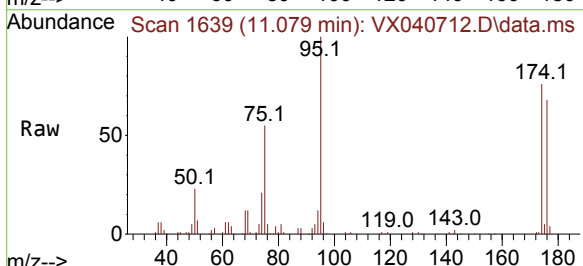
Tgt Ion: 95 Resp: 42615

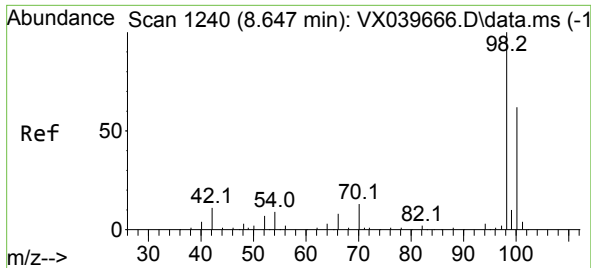
Ion Ratio Lower Upper

95 100

174 73.9 55.4 83.2

176 67.5 52.6 78.8

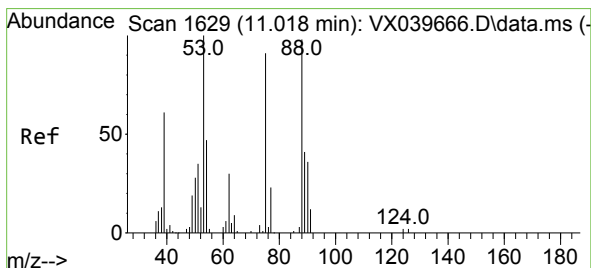
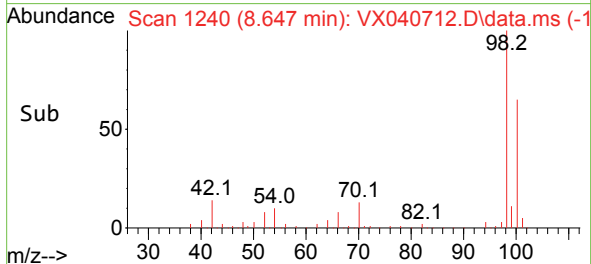
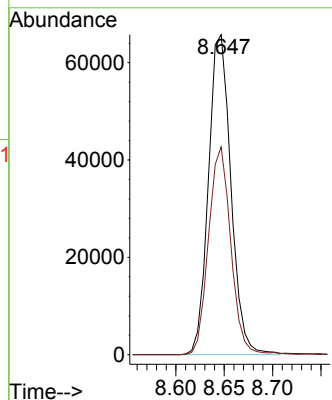
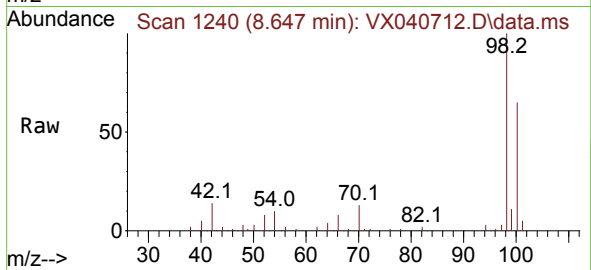




#63
Toluene-d8
Concen: 29.271 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040712.D
Acq: 19 Mar 2024 10:53

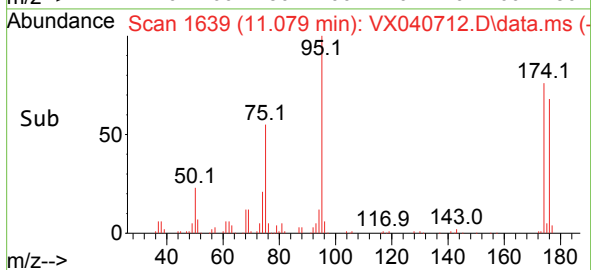
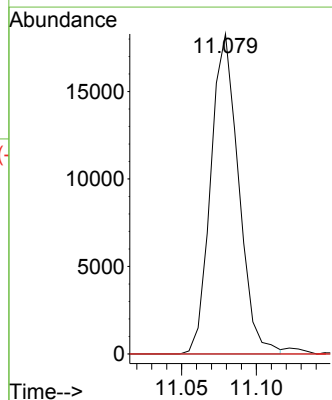
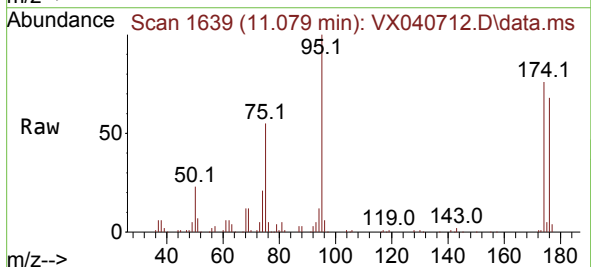
Instrument :
MSVOA_X
ClientSampleId :
VX0319WBL01

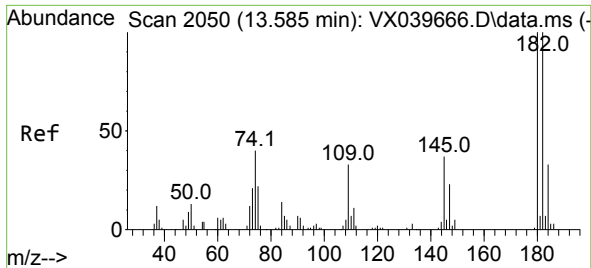
Tgt Ion: 98 Resp: 106555
Ion Ratio Lower Upper
98 100
100 63.9 51.0 76.4



#77
t-1,4-Dichloro-2-butene
Concen: 48.110 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040712.D
Acq: 19 Mar 2024 10:53

Tgt Ion: 75 Resp: 23697
Ion Ratio Lower Upper
75 100
53 0.0 46.9 140.8#
89 0.0 21.3 63.7#

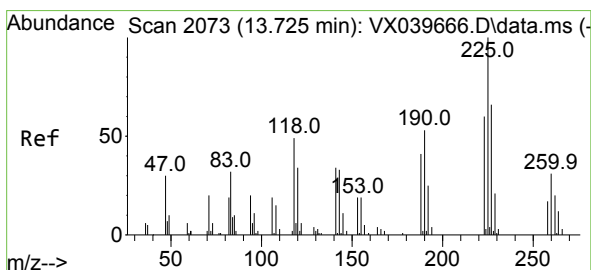
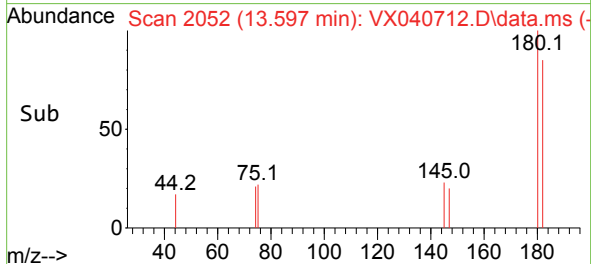
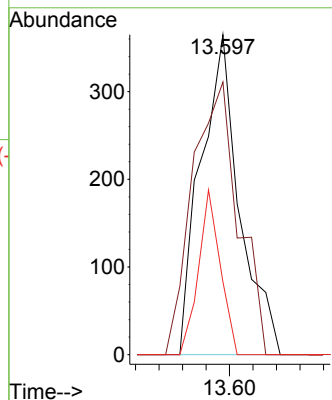
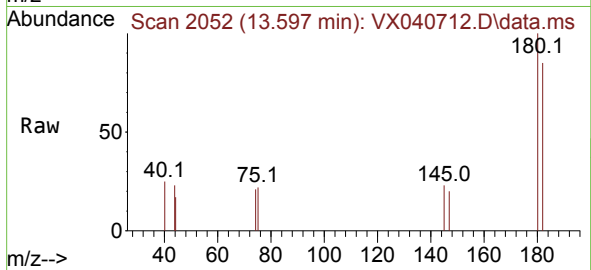




#89
1,2,4-Trichlorobenzene
Concen: 0.276 ug/l
RT: 13.597 min Scan# 2050
Delta R.T. 0.012 min
Lab File: VX040712.D
Acq: 19 Mar 2024 10:53

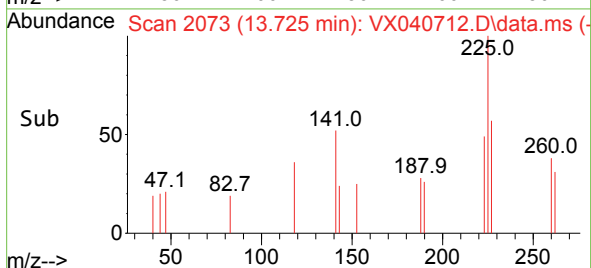
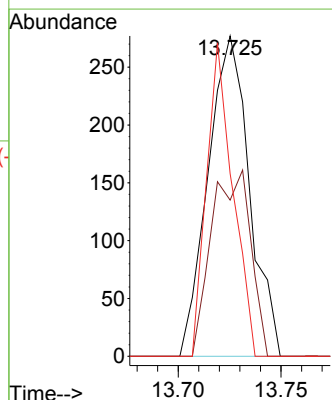
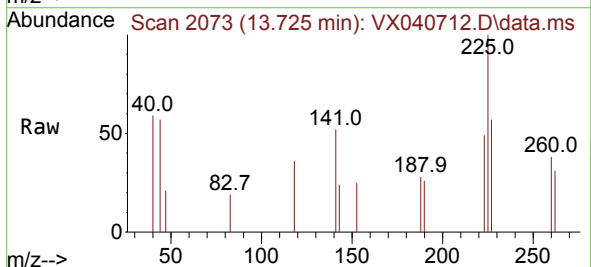
Instrument :
MSVOA_X
ClientSampleId :
VX0319WBL01

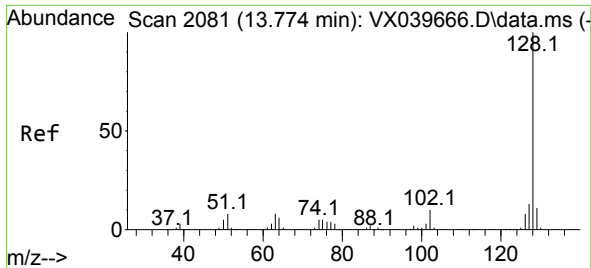
Tgt Ion:180 Resp: 418
Ion Ratio Lower Upper
180 100
182 100.7 74.5 111.7
145 28.9 26.6 40.0



#90
Hexachlorobutadiene
Concen: 0.634 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX040712.D
Acq: 19 Mar 2024 10:53

Tgt Ion:225 Resp: 388
Ion Ratio Lower Upper
225 100
223 55.2 0.0 124.4
227 61.9 0.0 124.4

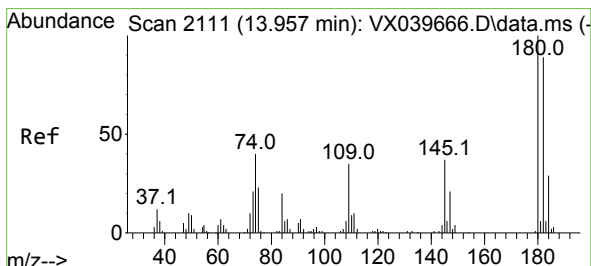
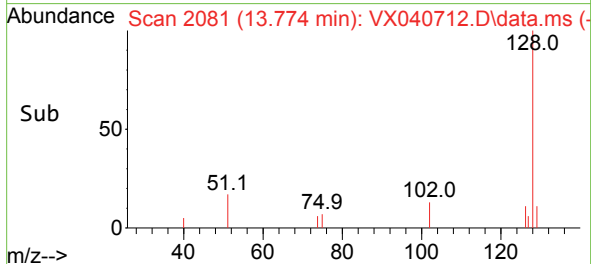
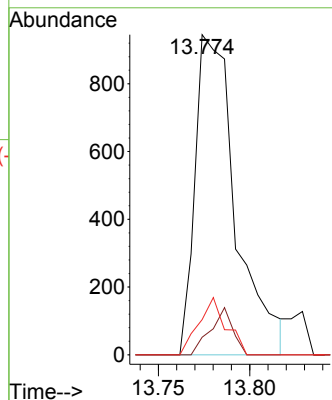
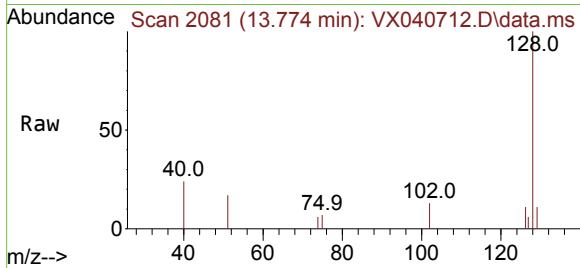




#91
Naphthalene
Concen: 0.296 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX040712.D
Acq: 19 Mar 2024 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0319WBL01

Tgt Ion:128 Resp: 1462
Ion Ratio Lower Upper
128 100
127 8.1 10.2 15.2#
129 12.0 8.6 12.8



#92
1,2,3-Trichlorobenzene
Concen: 0.280 ug/l
RT: 13.597 min Scan# 2052
Delta R.T. -0.360 min
Lab File: VX040712.D
Acq: 19 Mar 2024 10:53

Tgt Ion:180 Resp: 418
Ion Ratio Lower Upper
180 100
182 100.7 0.0 191.6
145 28.9 0.0 69.6

