

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120623\
 Data File : VX039088.D
 Acq On : 06 Dec 2023 12:07
 Operator : JC/MD
 Sample : VX1206WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1206WBL01

Quant Time: Dec 07 04:01:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X112423W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 27 03:22:25 2023
 Response via : Initial Calibration

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

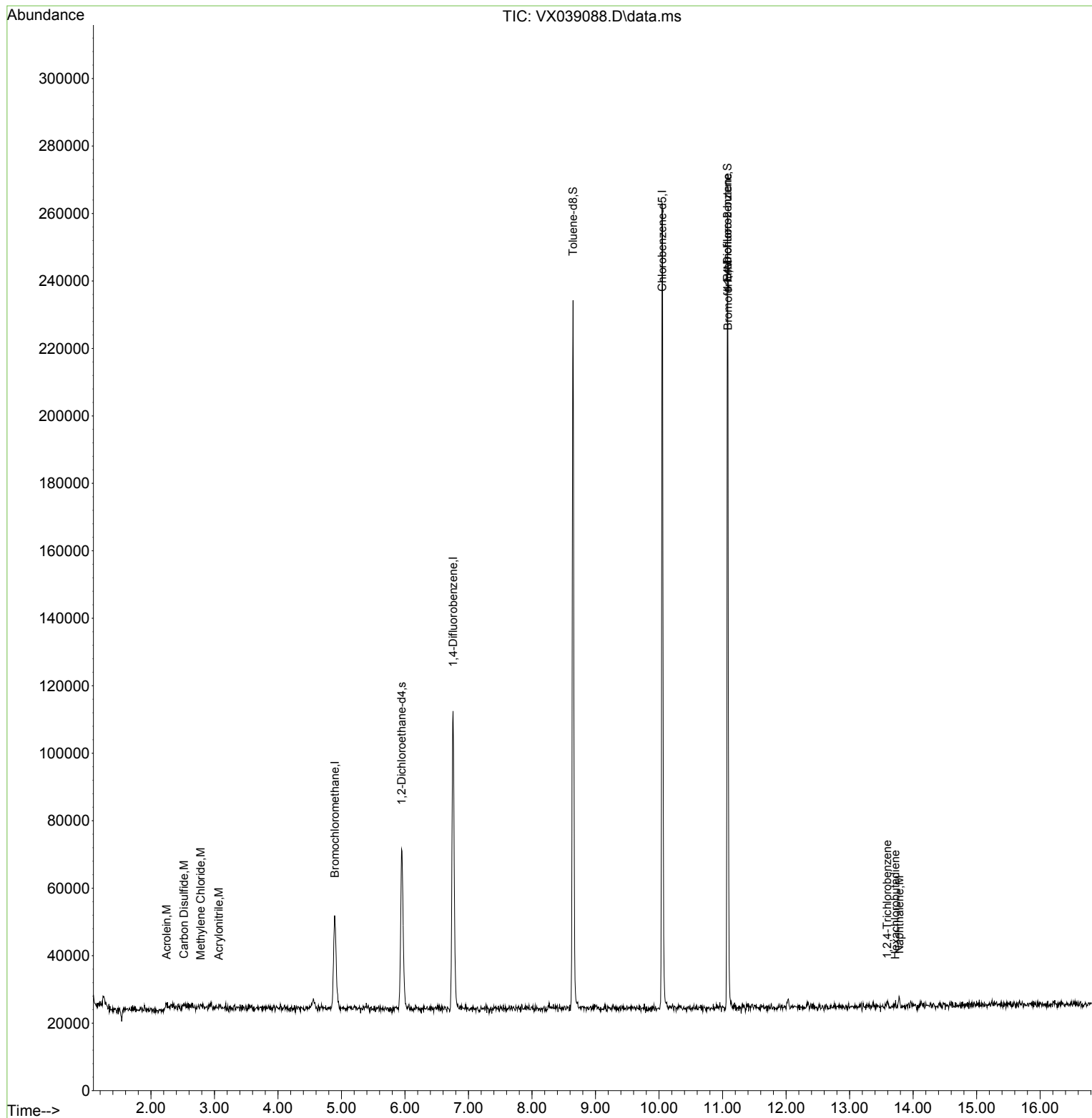
Internal Standards						
1) Bromochloromethane	4.897	128	10976	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	89091	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	107104	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	44841	29.862	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.533%
60) 4-Bromofluorobenzene	11.079	95	68790	29.406	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.033%
63) Toluene-d8	8.647	98	126588	29.894	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.633%
Target Compounds						
					Qvalue	
13) Acrolein	2.245	56	110	0.270	ug/l #	43
14) Acrylonitrile	3.068	53	320	0.281	ug/l #	62
16) Carbon Disulfide	2.520	76	1338	0.296	ug/l #	73
18) Methylene Chloride	2.782	84	397	0.224	ug/l #	63
56) Bromoform	11.085	173	313	0.219	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	36114	34.794	ug/l #	12
89) 1,2,4-Trichlorobenzene	13.591	180	489	0.212	ug/l	86
90) Hexachlorobutadiene	13.719	225	243	0.295	ug/l #	37
91) Naphthalene	13.786	128	1964	0.231	ug/l #	91

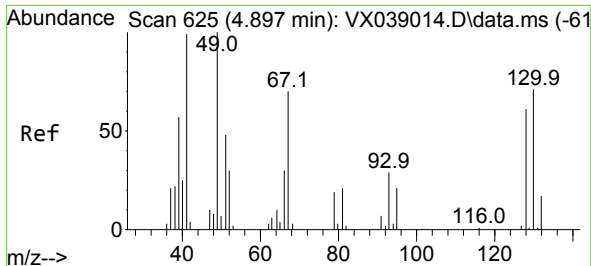
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
VX1206WBL01

Quant Time: Dec 07 04:01:02 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X112423W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Nov 27 03:22:25 2023
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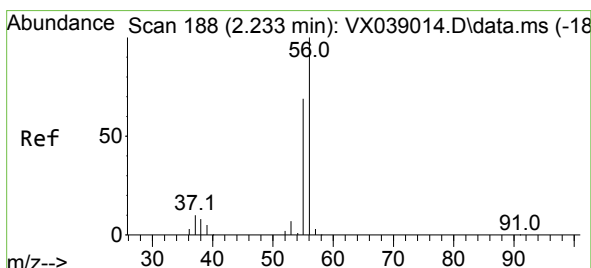
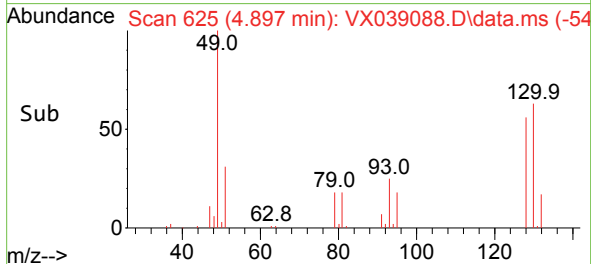
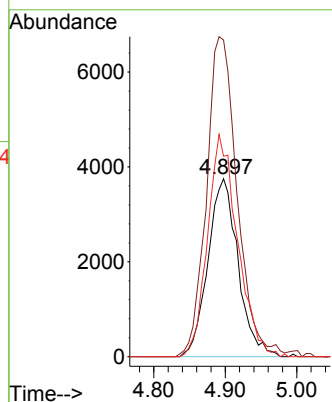
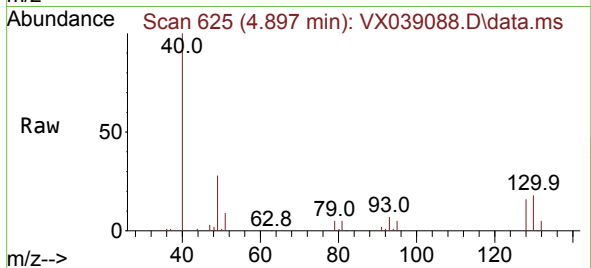




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX039088.D
Acq: 06 Dec 2023 12:07

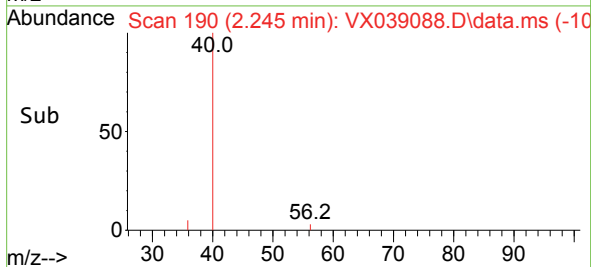
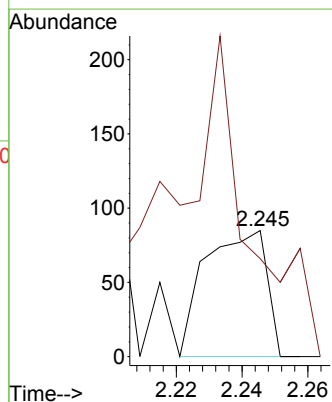
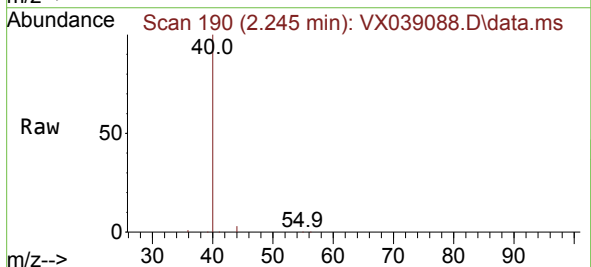
Instrument :
MSVOA_X
ClientSampleId :
VX1206WBL01

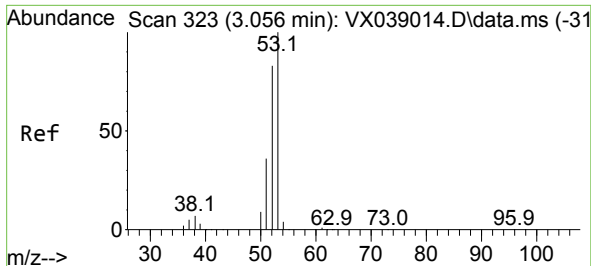
Tgt Ion:128 Resp: 10976
Ion Ratio Lower Upper
128 100
49 181.6 0.0 444.0
130 123.9 0.0 297.8



#13
Acrolein
Concen: 0.270 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.012 min
Lab File: VX039088.D
Acq: 06 Dec 2023 12:07

Tgt Ion: 56 Resp: 110
Ion Ratio Lower Upper
56 100
55 24.5 57.2 85.8#

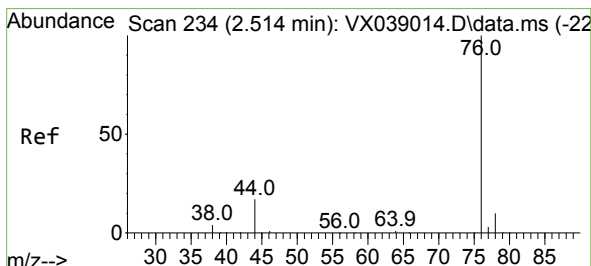
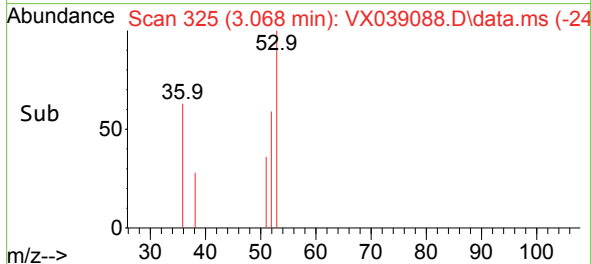
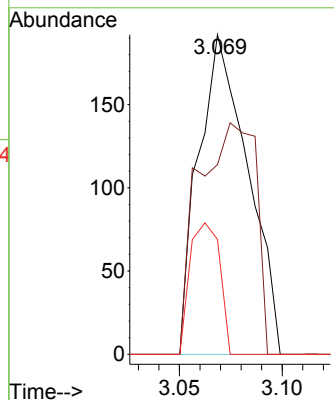
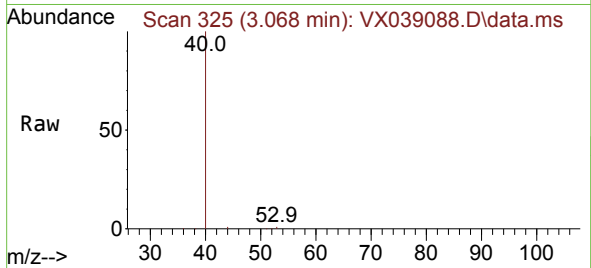




#14
Acrylonitrile
Concen: 0.281 ug/l
RT: 3.068 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX039088.D
Acq: 06 Dec 2023 12:07

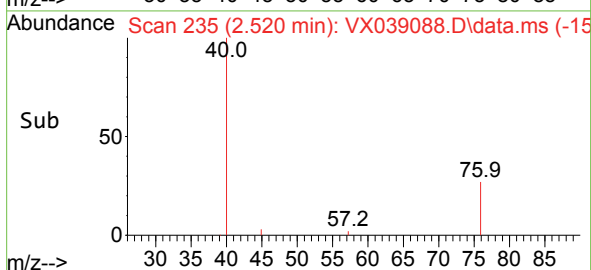
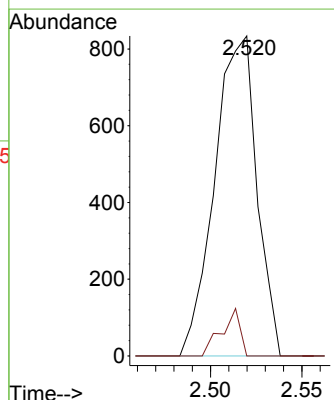
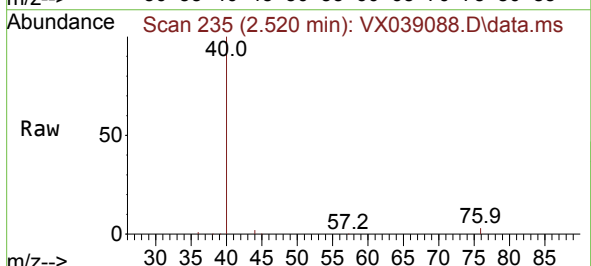
Instrument :
MSVOA_X
ClientSampleId :
VX1206WBL01

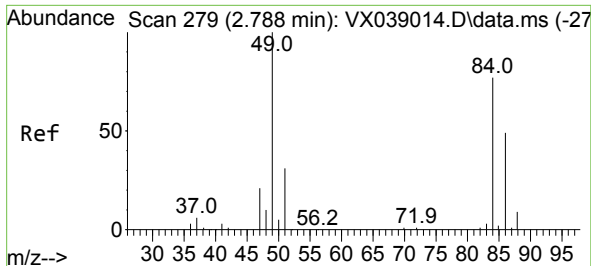
Tgt Ion: 53 Resp: 320
Ion Ratio Lower Upper
53 100
52 59.1 41.9 125.6
51 0.0 18.3 54.9#



#16
Carbon Disulfide
Concen: 0.296 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX039088.D
Acq: 06 Dec 2023 12:07

Tgt Ion: 76 Resp: 1338
Ion Ratio Lower Upper
76 100
78 0.0 8.0 12.0#

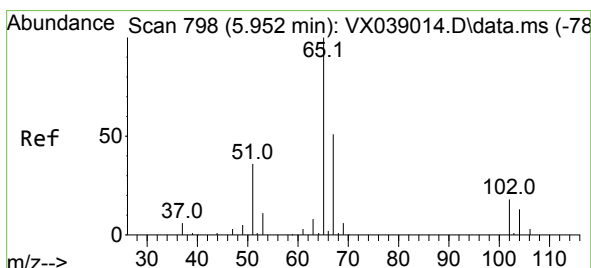
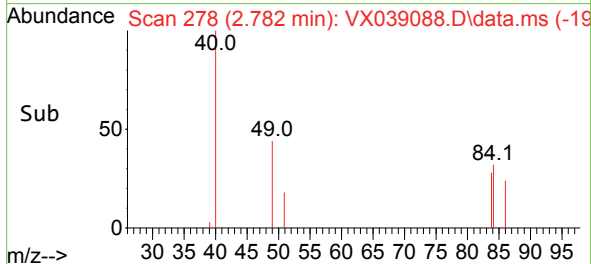
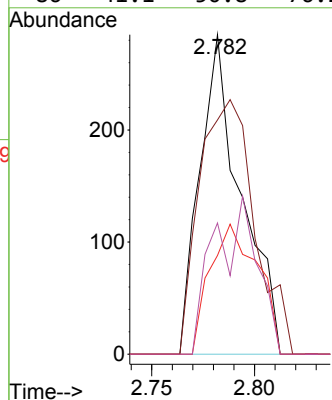
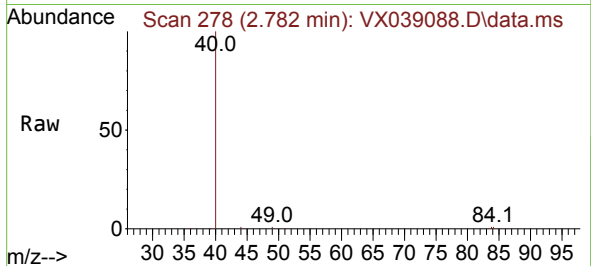




#18
Methylene Chloride
Concen: 0.224 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX039088.D
Acq: 06 Dec 2023 12:07

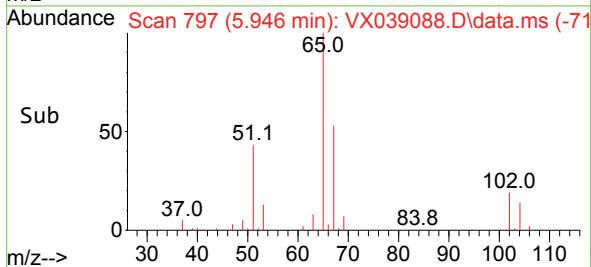
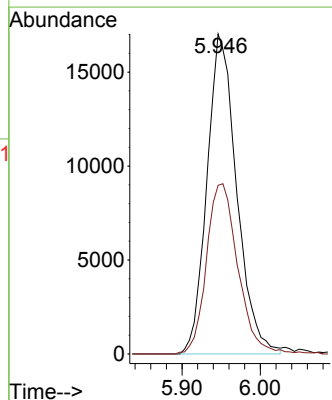
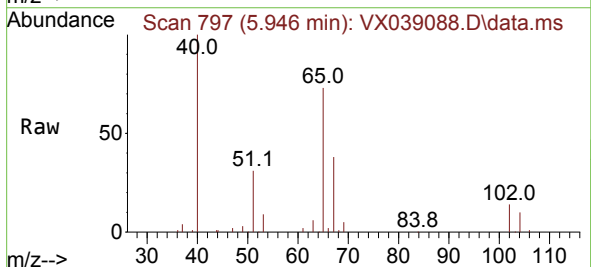
Instrument :
MSVOA_X
ClientSampleId :
VX1206WBL01

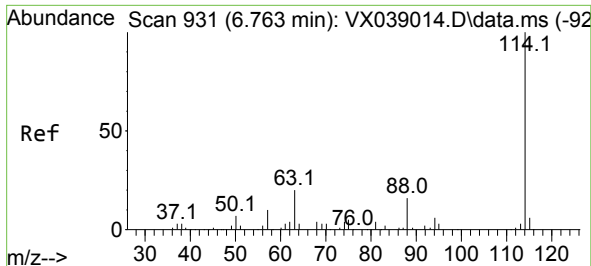
Tgt Ion: 84 Resp: 397
Ion Ratio Lower Upper
84 100
49 73.3 103.8 155.8#
51 30.9 31.8 47.6#
86 41.1 50.8 76.2#



#27
1,2-Dichloroethane-d4
Concen: 29.862 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX039088.D
Acq: 06 Dec 2023 12:07

Tgt Ion: 65 Resp: 44841
Ion Ratio Lower Upper
65 100
67 56.2 42.5 63.7





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX039088.D

Acq: 06 Dec 2023 12:07

Instrument :

MSVOA_X

ClientSampleId :

VX1206WBL01

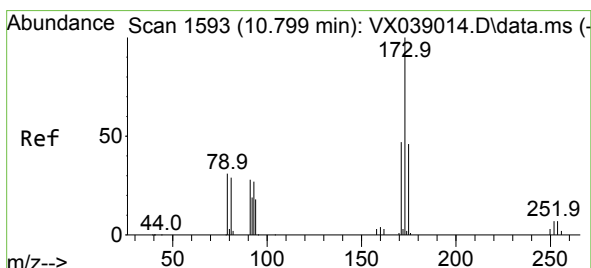
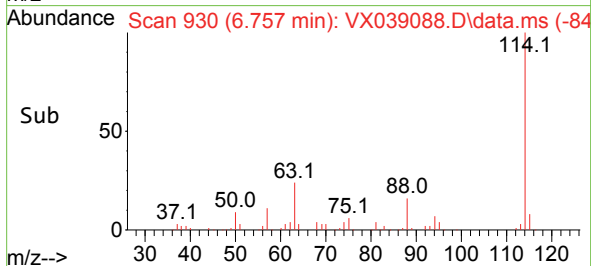
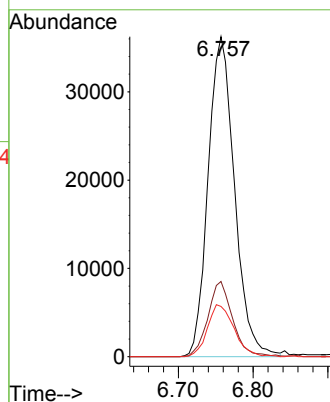
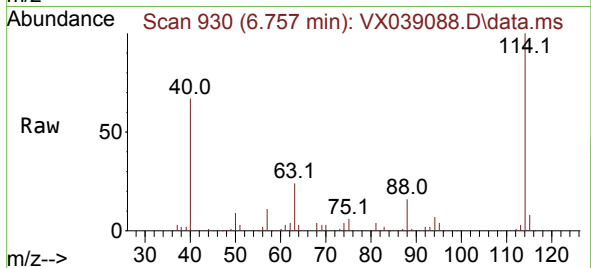
Tgt Ion:114 Resp: 89091

Ion Ratio Lower Upper

114 100

63 21.8 17.0 25.4

88 16.3 12.7 19.1



#56

Bromoform

Concen: 0.219 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.287 min

Lab File: VX039088.D

Acq: 06 Dec 2023 12:07

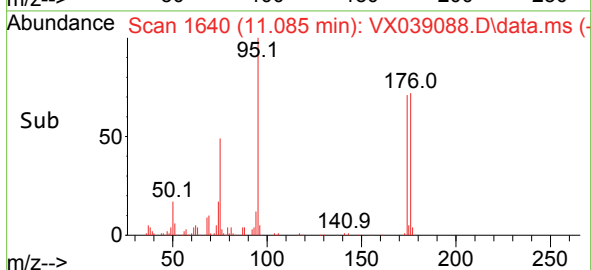
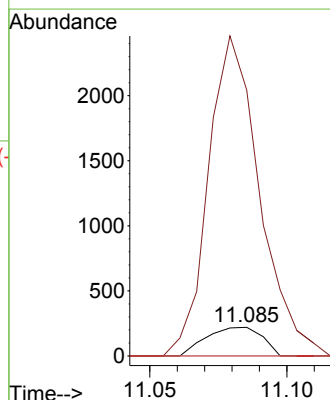
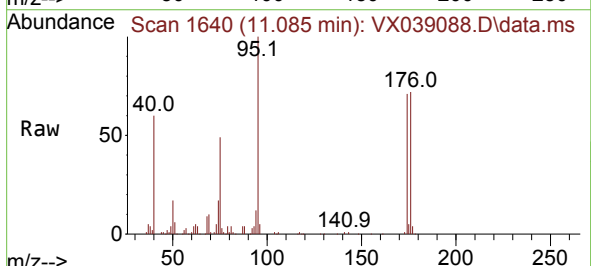
Tgt Ion:173 Resp: 313

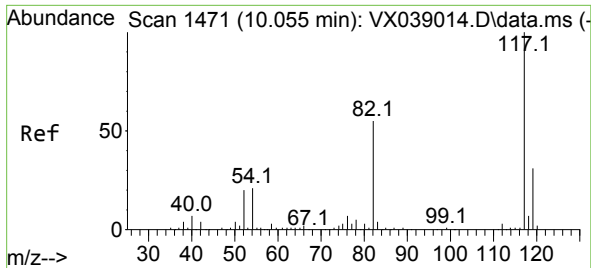
Ion Ratio Lower Upper

173 100

175 1024.9 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: VX039088.D

Acq: 06 Dec 2023 12:07

Instrument :

MSVOA_X

ClientSampleId :

VX1206WBL01

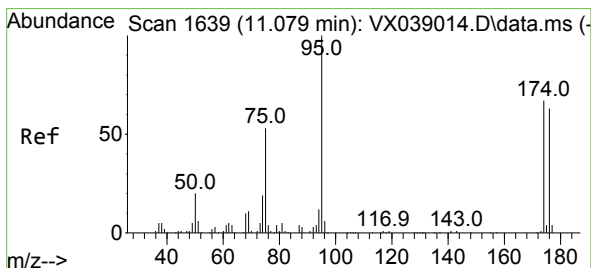
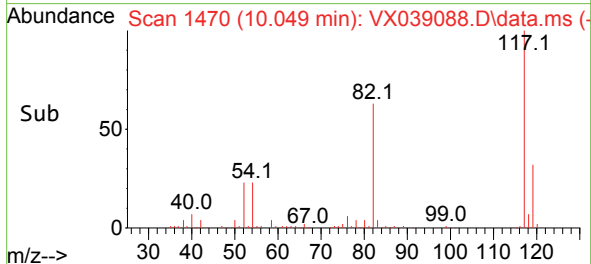
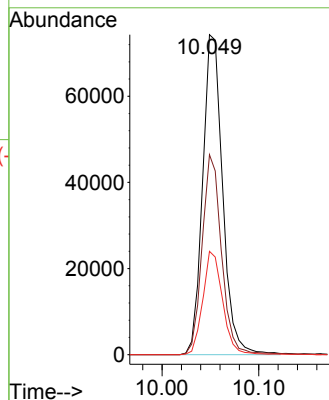
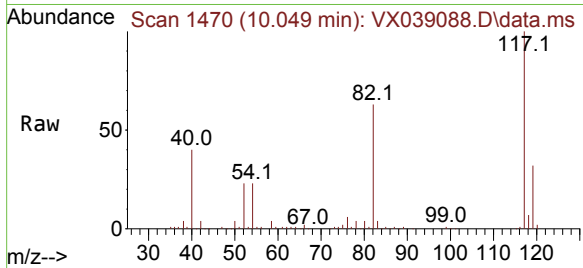
Tgt Ion:117 Resp: 107104

Ion Ratio Lower Upper

117 100

82 60.8 47.0 70.6

119 31.8 25.2 37.8



#60

4-Bromofluorobenzene

Concen: 29.406 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX039088.D

Acq: 06 Dec 2023 12:07

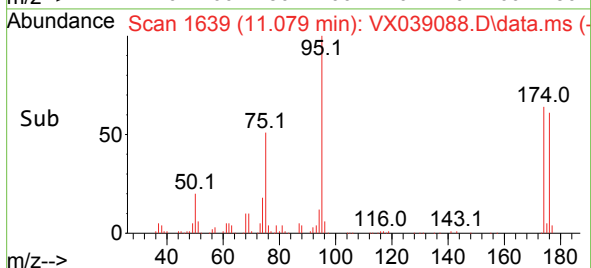
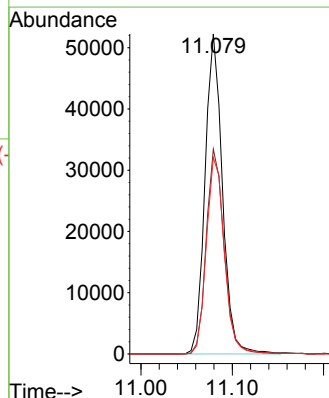
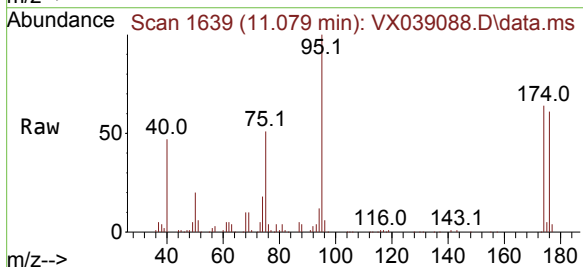
Tgt Ion: 95 Resp: 68790

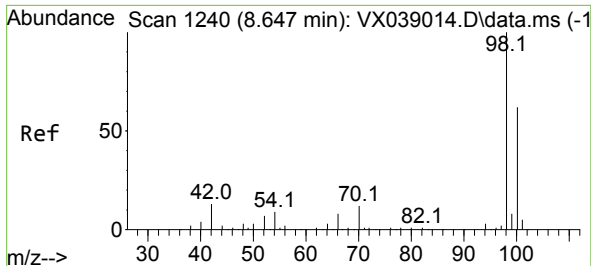
Ion Ratio Lower Upper

95 100

174 65.6 55.4 83.2

176 63.2 52.6 78.8

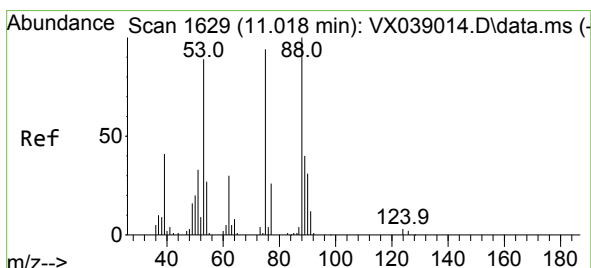
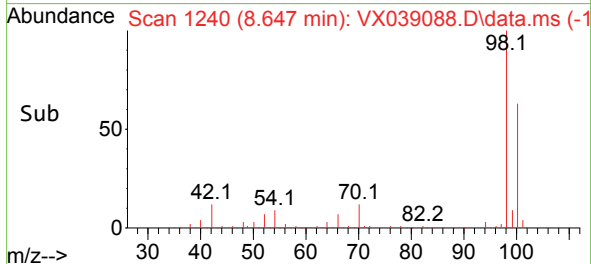
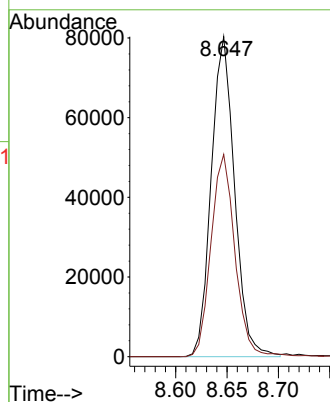
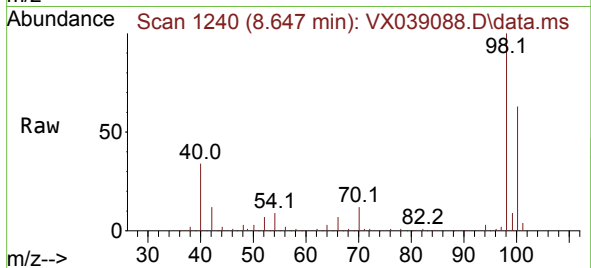




#63
Toluene-d8
Concen: 29.894 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX039088.D
Acq: 06 Dec 2023 12:07

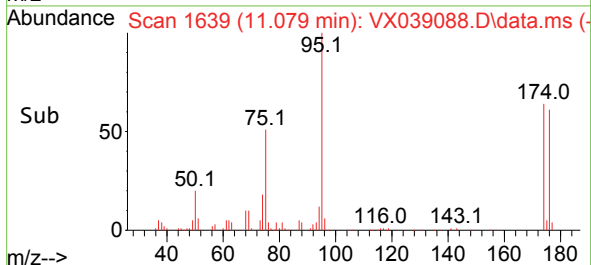
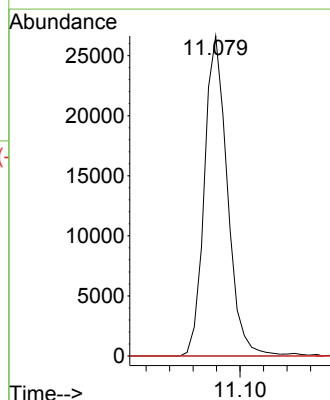
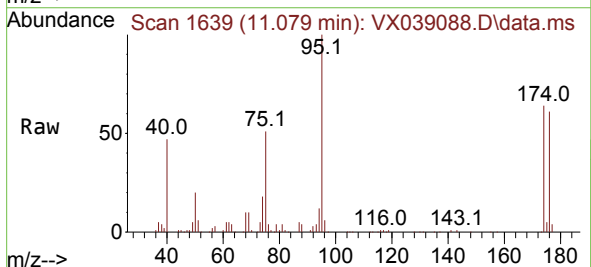
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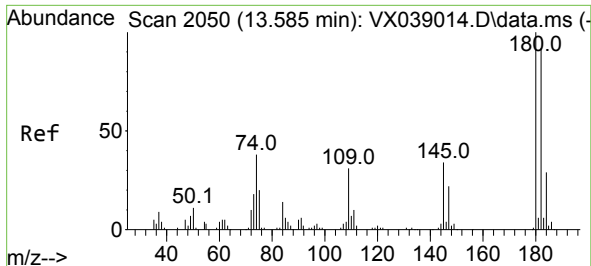
Tgt Ion: 98 Resp: 126588
Ion Ratio Lower Upper
98 100
100 64.9 51.0 76.4



#77
t-1,4-Dichloro-2-butene
Concen: 34.794 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX039088.D
Acq: 06 Dec 2023 12:07

Tgt Ion: 75 Resp: 36114
Ion Ratio Lower Upper
75 100
53 0.0 46.9 140.8#
89 0.0 21.3 63.7#

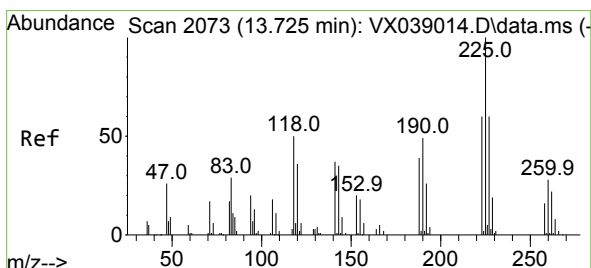
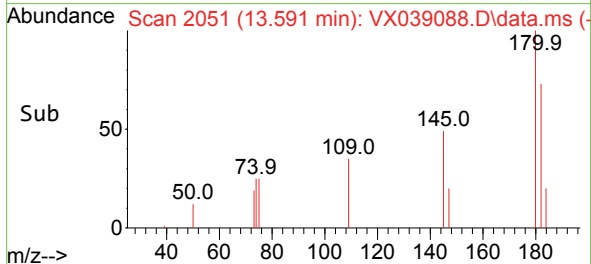
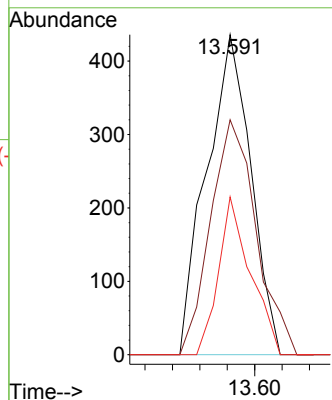
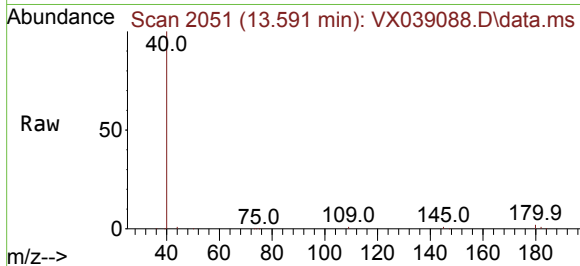




#89
1,2,4-Trichlorobenzene
Concen: 0.212 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX039088.D
Acq: 06 Dec 2023 12:07

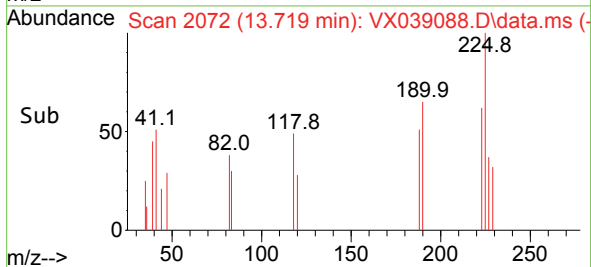
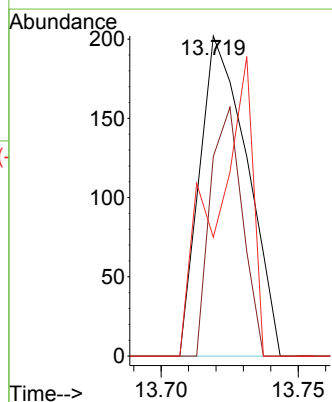
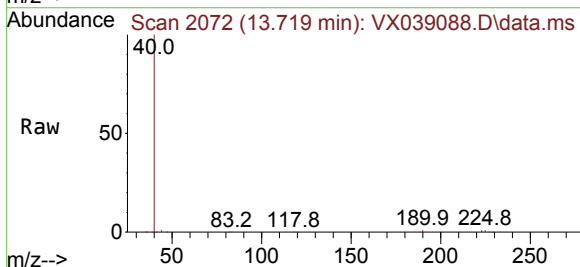
Instrument :
MSVOA_X
ClientSampleId :
VX1206WBL01

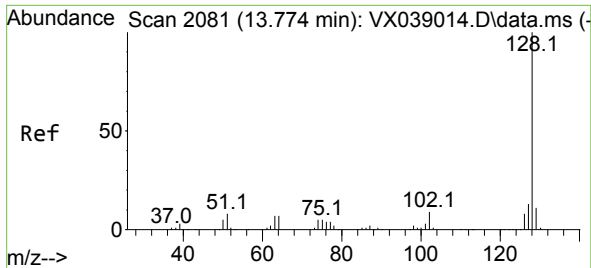
Tgt Ion:180 Resp: 489
Ion Ratio Lower Upper
180 100
182 75.7 74.5 111.7
145 35.6 26.6 40.0



#90
Hexachlorobutadiene
Concen: 0.295 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX039088.D
Acq: 06 Dec 2023 12:07

Tgt Ion:225 Resp: 243
Ion Ratio Lower Upper
225 100
223 0.0 0.0 124.4
227 27.6 0.0 124.4





#91

Naphthalene

Concen: 0.231 ug/l

RT: 13.786 min Scan# 2083

Delta R.T. 0.012 min

Lab File: VX039088.D

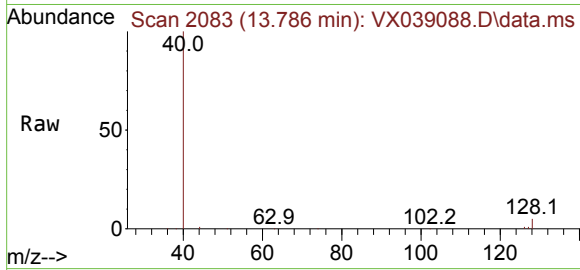
Acq: 06 Dec 2023 12:07

Instrument :

MSVOA_X

ClientSampleId :

VX1206WBL01



Tgt Ion:128 Resp: 1964

Ion Ratio Lower Upper

128 100

127 10.8 10.2 15.2

129 5.2 8.6 12.8#

