

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010924\
 Data File : VX039676.D
 Acq On : 09 Jan 2024 13:38
 Operator : JC/MD
 Sample : VX0109WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 10 05:33:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X010824W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Jan 09 06:15:26 2024
 Response via : Initial Calibration

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

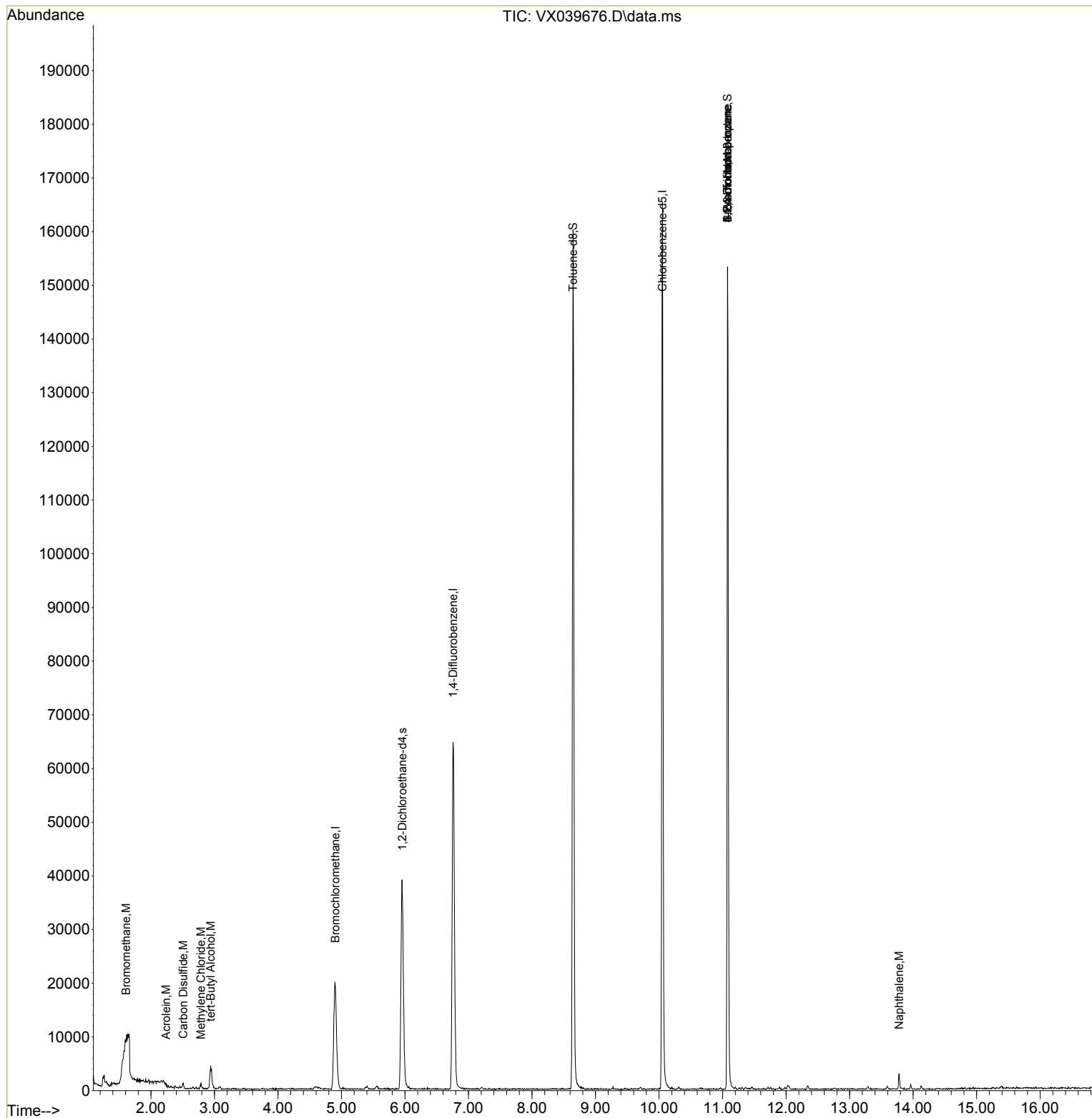
Internal Standards						
1) Bromochloromethane	4.904	128	7887	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	65991	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	73532	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	37382	30.233	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 100.767%	
60) 4-Bromofluorobenzene	11.079	95	43103	26.577	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 88.600%	
63) Toluene-d8	8.647	98	93090	30.792	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 102.633%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	406	0.588	ug/l #	55
13) Acrolein	2.239	56	153	0.532	ug/l #	82
16) Carbon Disulfide	2.508	76	1041	0.322	ug/l #	73
18) Methylene Chloride	2.788	84	388	0.277	ug/l #	93
23) tert-Butyl Alcohol	2.941	59	2823	6.815	ug/l #	100
56) Bromoform	11.079	173	239	0.272	ug/l #	1
72) 1,2,3-Trichloropropane	11.079	75	23481	12.616	ug/l	39
77) t-1,4-Dichloro-2-butene	11.079	75	23481	38.442	ug/l #	12
91) Naphthalene	13.780	128	2038	0.387	ug/l	95

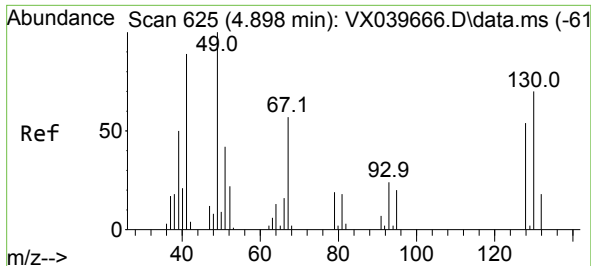
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 10 05:33:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X010824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Jan 09 06:15:26 2024
Response via : Initial Calibration

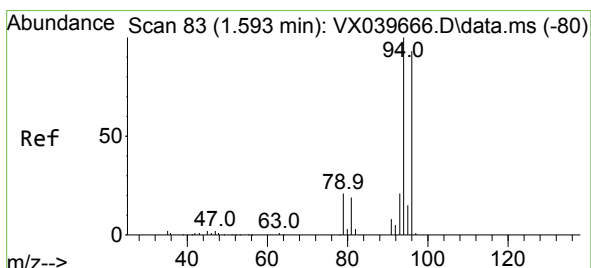
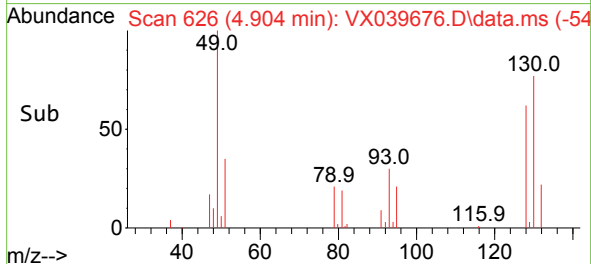
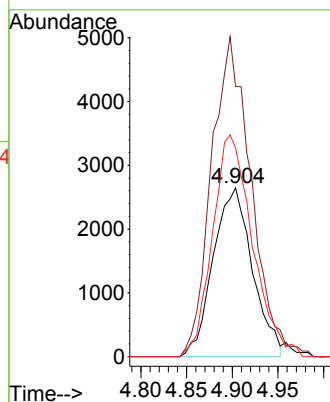
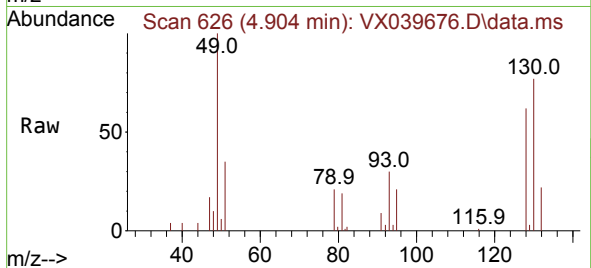




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX039676.D
Acq: 09 Jan 2024 13:38

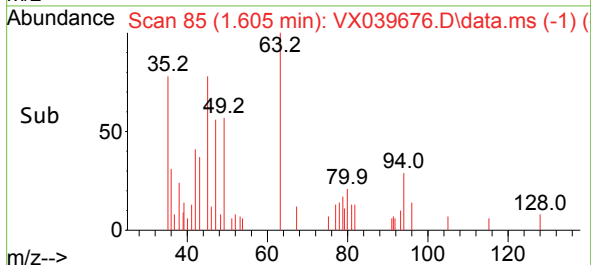
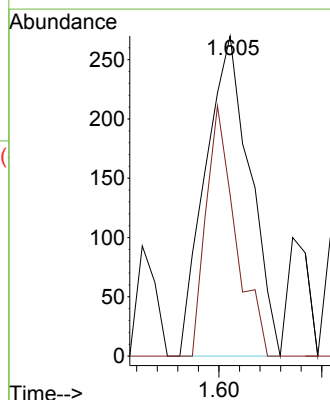
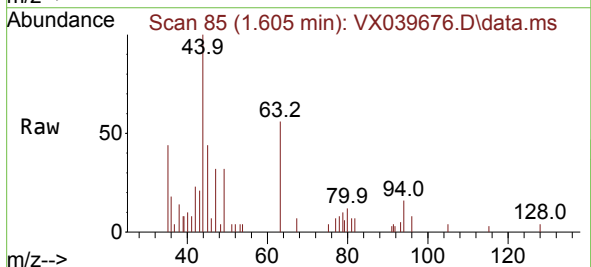
Instrument :
MSVOA_X
ClientSampleId :

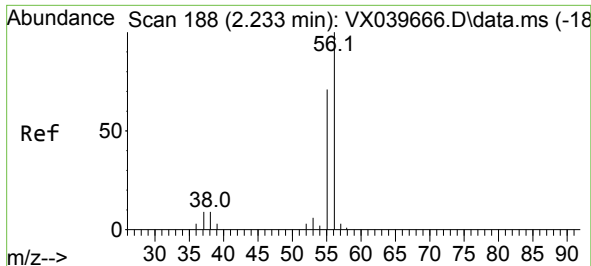
Tgt Ion:128 Resp: 7887
Ion Ratio Lower Upper
128 100
49 190.2 0.0 444.0
130 132.6 0.0 297.8



#5
Bromomethane
Concen: 0.588 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.012 min
Lab File: VX039676.D
Acq: 09 Jan 2024 13:38

Tgt Ion: 94 Resp: 406
Ion Ratio Lower Upper
94 100
96 50.4 74.9 112.3#





#13

Acrolein

Concen: 0.532 ug/l

RT: 2.239 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX039676.D

Acq: 09 Jan 2024 13:38

Instrument :

MSVOA_X

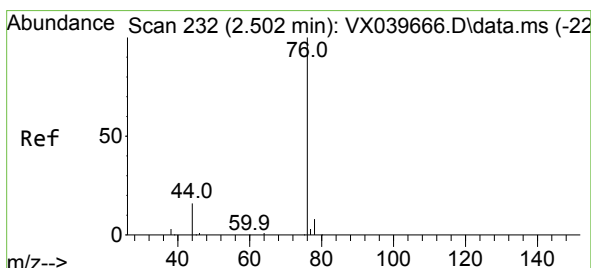
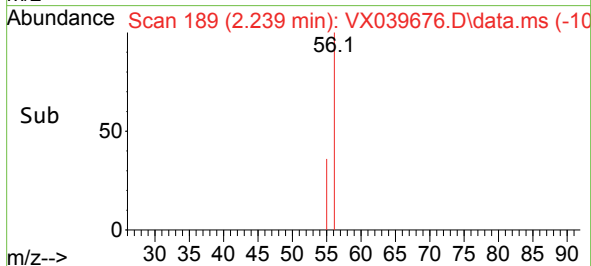
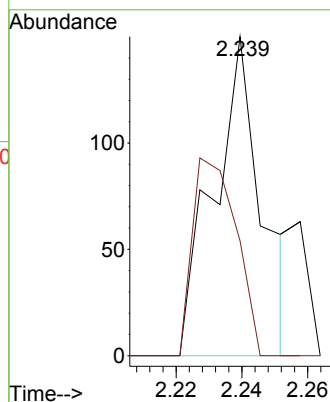
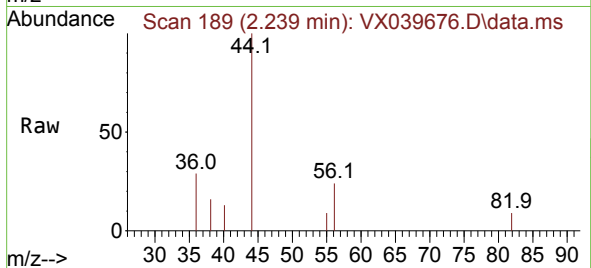
ClientSampleId :

Tgt Ion: 56 Resp: 153

Ion Ratio Lower Upper

56 100

55 56.2 57.2 85.8#



#16

Carbon Disulfide

Concen: 0.322 ug/l

RT: 2.508 min Scan# 233

Delta R.T. 0.006 min

Lab File: VX039676.D

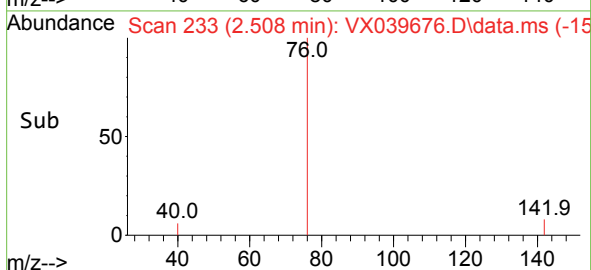
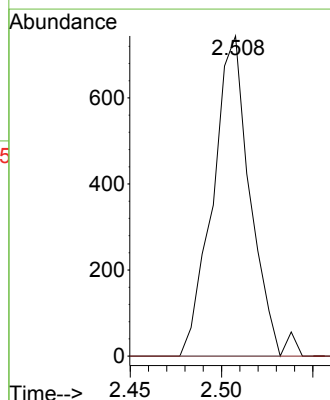
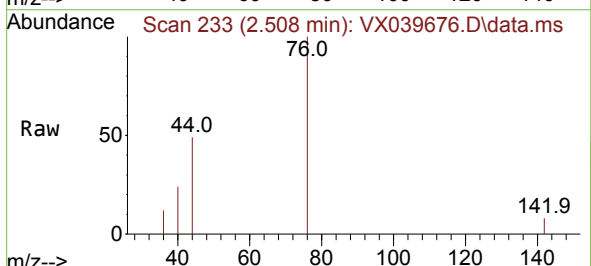
Acq: 09 Jan 2024 13:38

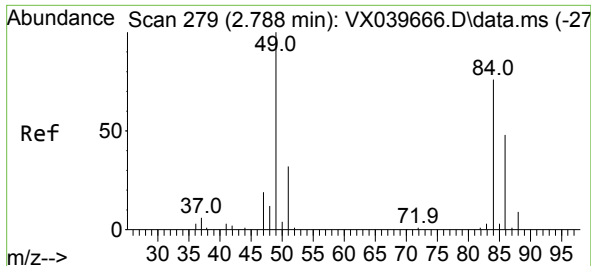
Tgt Ion: 76 Resp: 1041

Ion Ratio Lower Upper

76 100

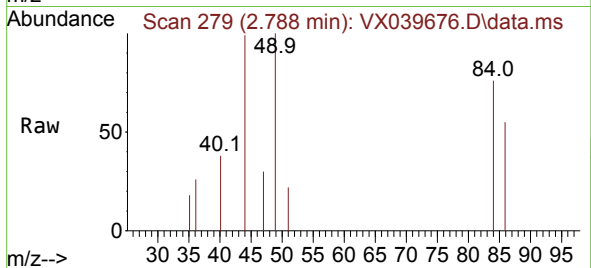
78 0.0 8.0 12.0#





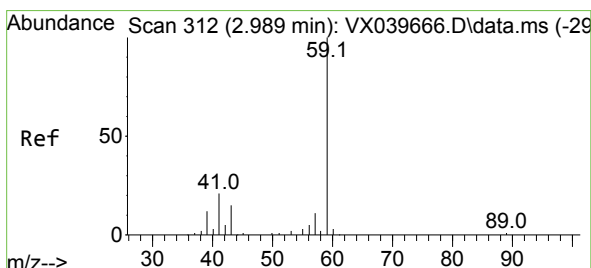
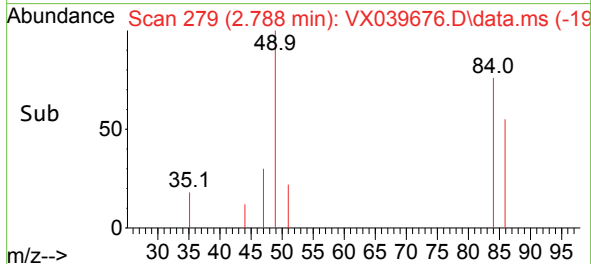
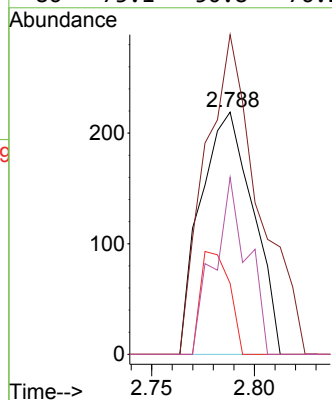
#18
Methylene Chloride
Concen: 0.277 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX039676.D
Acq: 09 Jan 2024 13:38

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 388

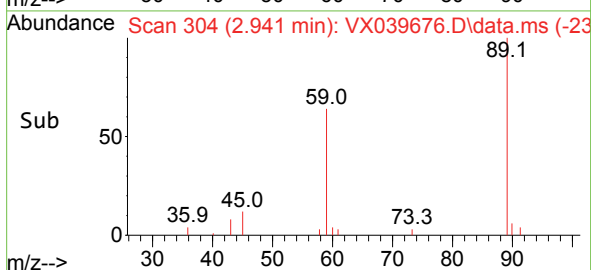
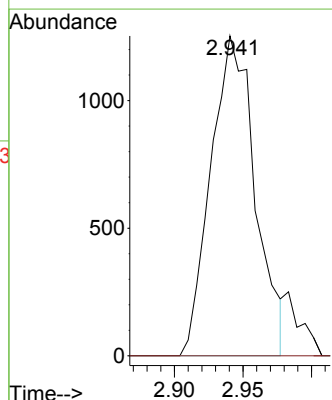
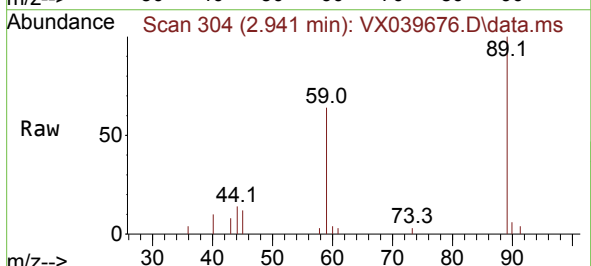
Ion	Ratio	Lower	Upper
84	100		
49	132.0	103.8	155.8
51	29.2	31.8	47.6#
86	73.1	50.8	76.2

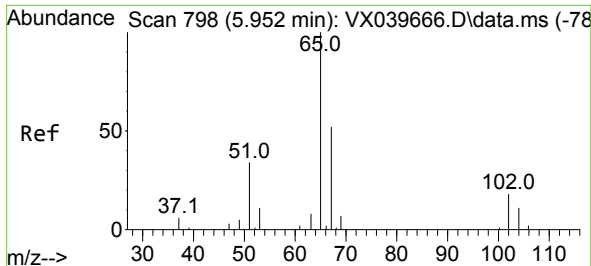


#23
tert-Butyl Alcohol
Concen: 6.815 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.048 min
Lab File: VX039676.D
Acq: 09 Jan 2024 13:38

Tgt Ion: 59 Resp: 2823

Ion	Ratio	Lower	Upper
59	100		
52	5.2	0.0	0.0#





#27

1,2-Dichloroethane-d4

Concen: 30.233 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX039676.D

Acq: 09 Jan 2024 13:38

Instrument :

MSVOA_X

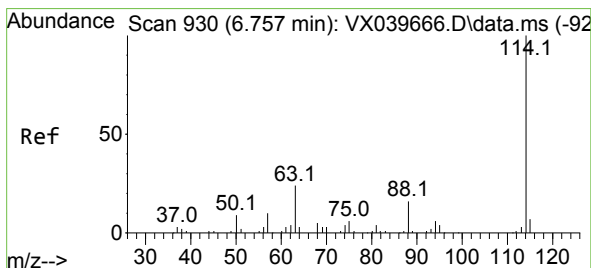
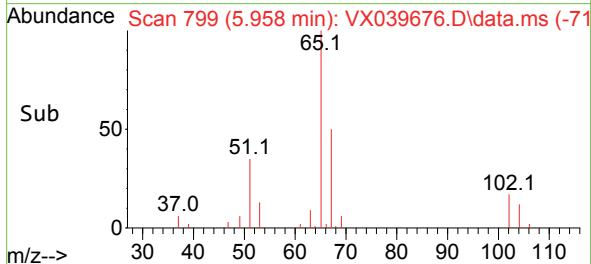
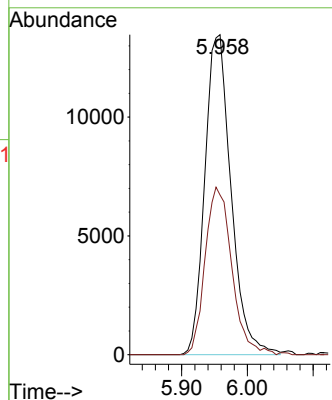
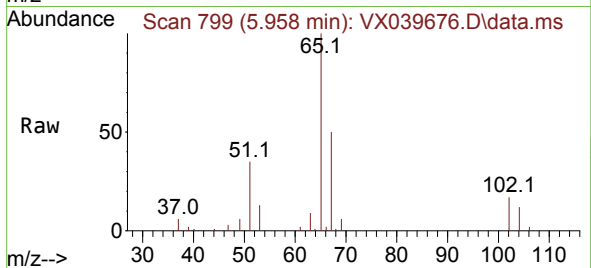
ClientSampleId :

Tgt Ion: 65 Resp: 37382

Ion Ratio Lower Upper

65 100

67 52.7 42.5 63.7



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX039676.D

Acq: 09 Jan 2024 13:38

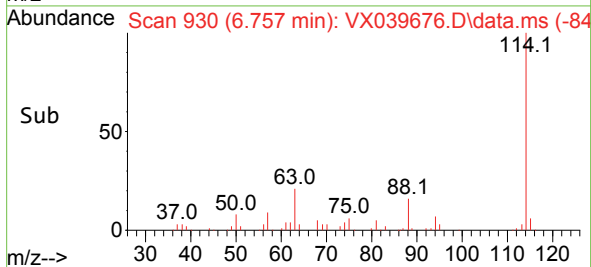
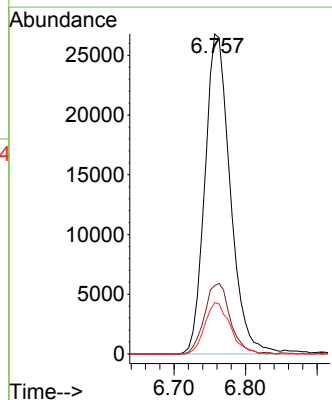
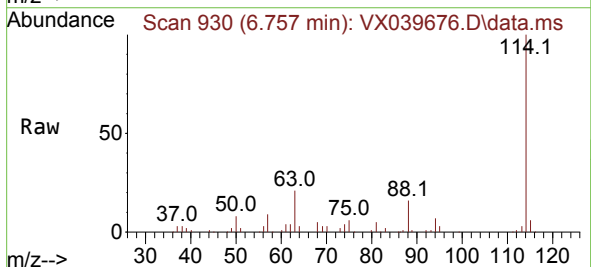
Tgt Ion: 114 Resp: 65991

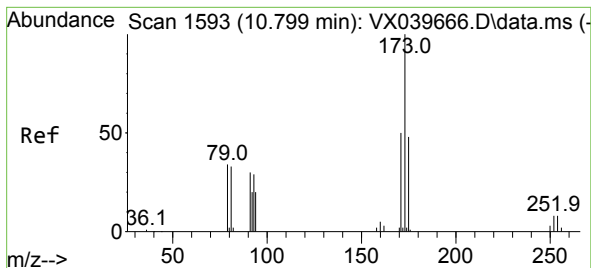
Ion Ratio Lower Upper

114 100

63 22.2 17.0 25.4

88 16.1 12.7 19.1





#56

Bromoform

Concen: 0.272 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.280 min

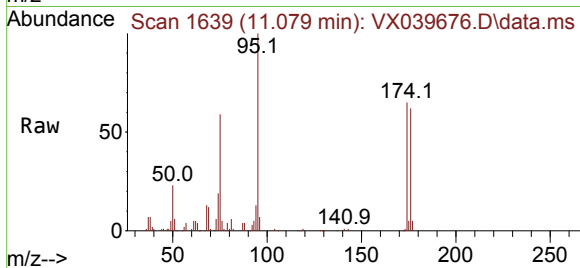
Lab File: VX039676.D

Acq: 09 Jan 2024 13:38

Instrument :

MSVOA_X

ClientSampleId :



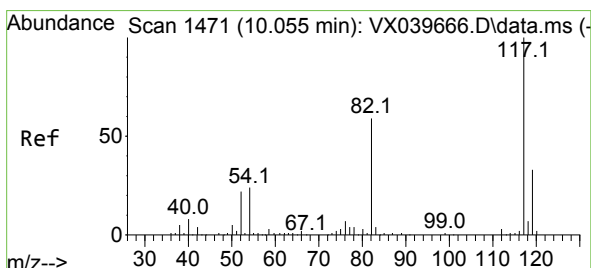
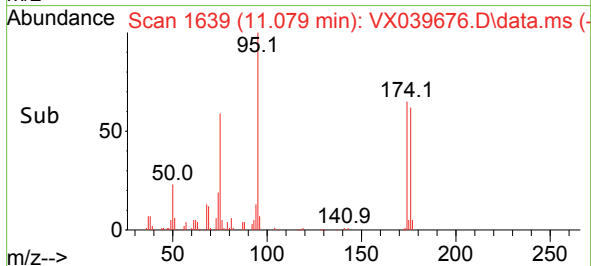
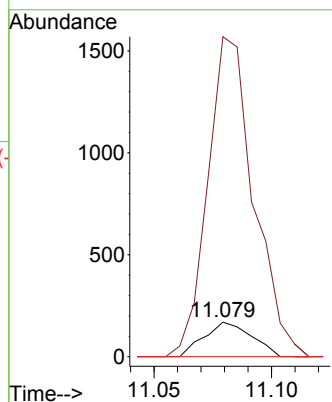
Tgt Ion:173 Resp: 239

Ion Ratio Lower Upper

173 100

175 896.2 37.6 56.4#

254 0.0 5.8 8.8#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX039676.D

Acq: 09 Jan 2024 13:38

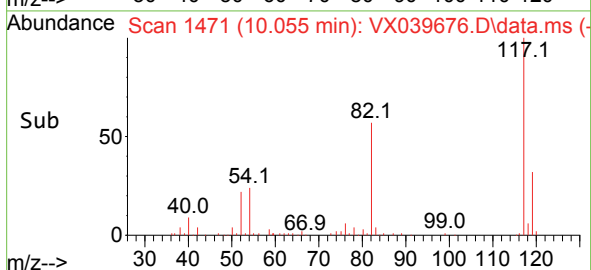
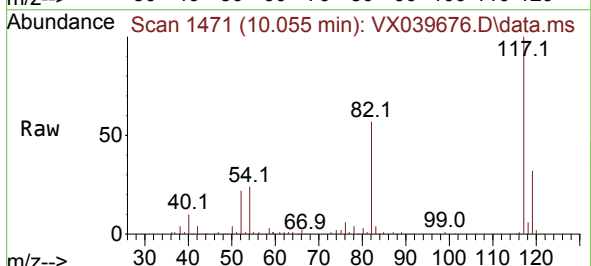
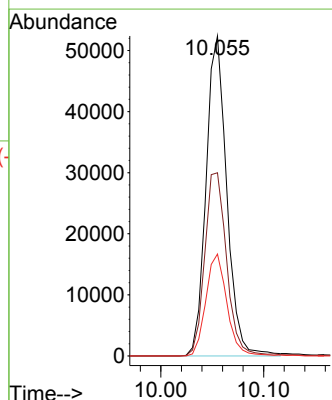
Tgt Ion:117 Resp: 73532

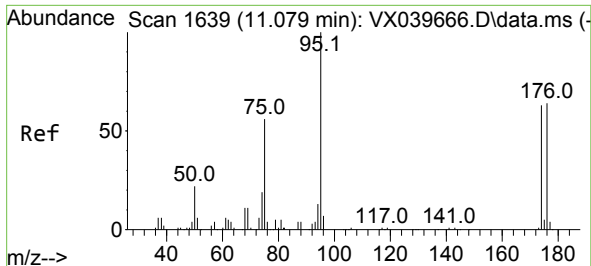
Ion Ratio Lower Upper

117 100

82 60.7 47.0 70.6

119 32.5 25.2 37.8

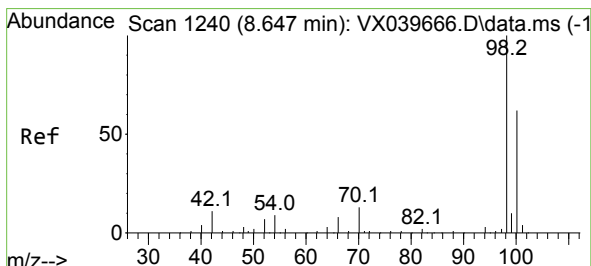
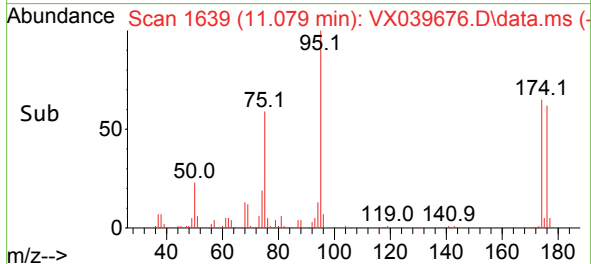
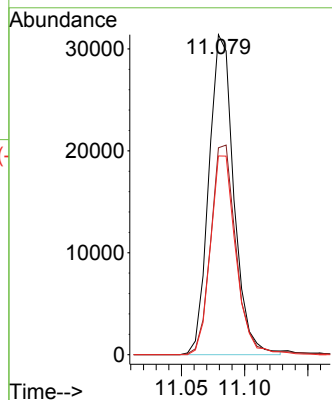
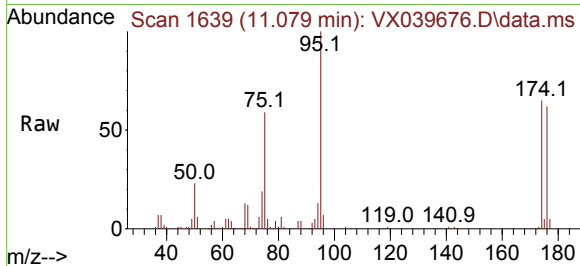




#60
4-Bromofluorobenzene
Concen: 26.577 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039676.D
Acq: 09 Jan 2024 13:38

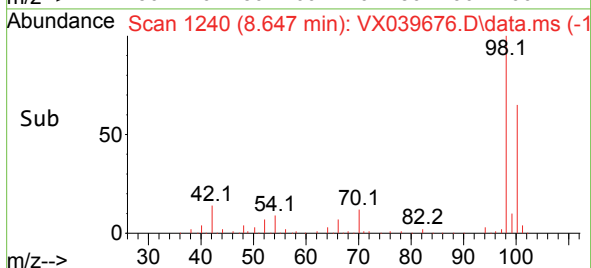
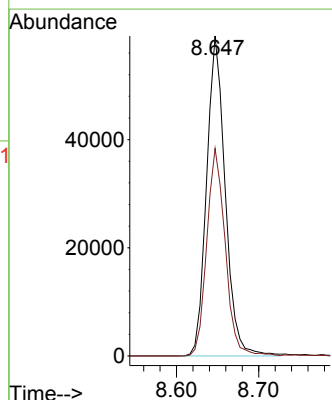
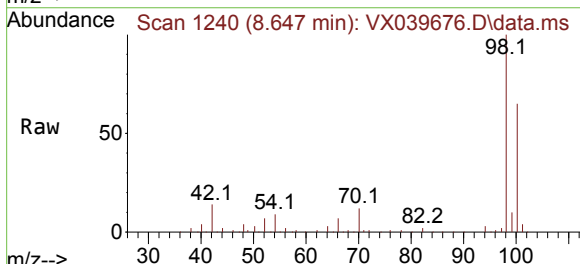
Instrument :
MSVOA_X
ClientSampleId :

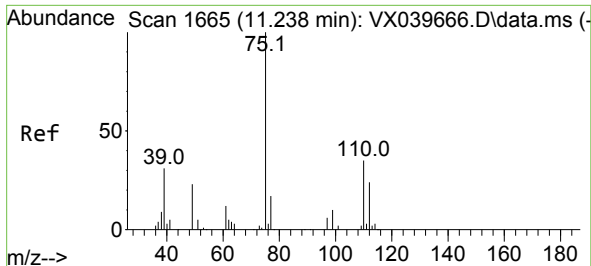
Tgt Ion: 95 Resp: 43103
Ion Ratio Lower Upper
95 100
174 66.3 55.4 83.2
176 63.4 52.6 78.8



#63
Toluene-d8
Concen: 30.792 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX039676.D
Acq: 09 Jan 2024 13:38

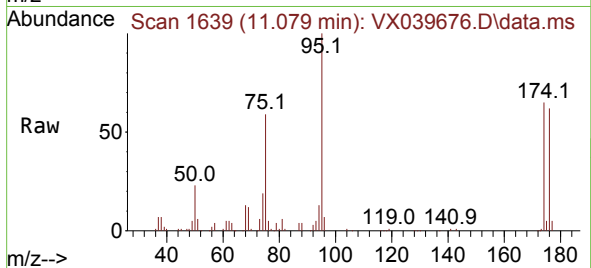
Tgt Ion: 98 Resp: 93090
Ion Ratio Lower Upper
98 100
100 64.2 51.0 76.4



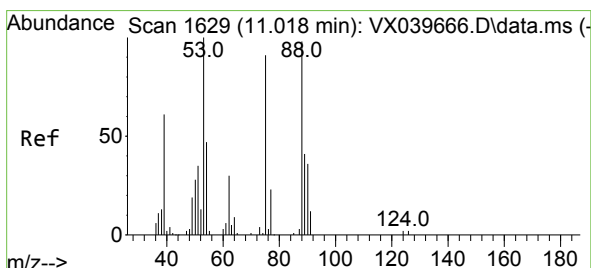
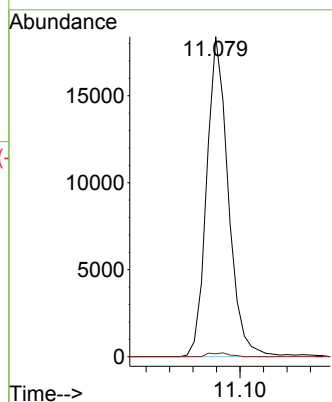
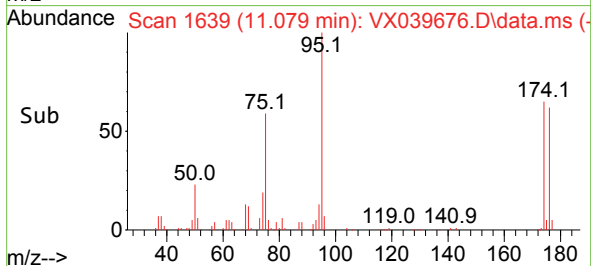


#72
1,2,3-Trichloropropane
Concen: 12.616 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX039676.D
Acq: 09 Jan 2024 13:38

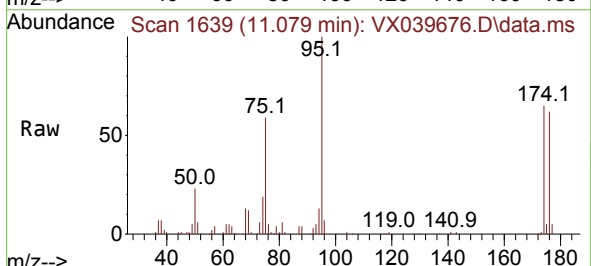
Instrument :
MSVOA_X
ClientSampleId :



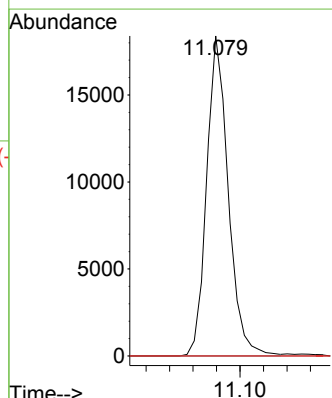
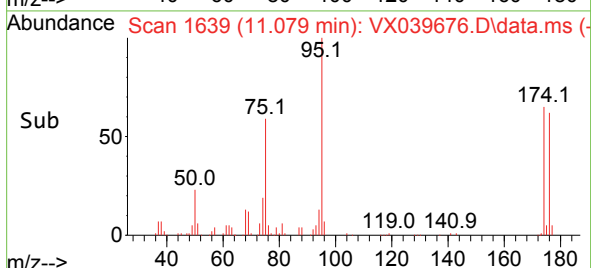
Tgt Ion: 75 Resp: 23481
Ion Ratio Lower Upper
75 100
77 1.2 0.0 76.4

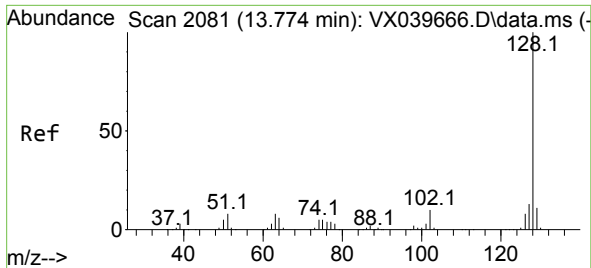


#77
t-1,4-Dichloro-2-butene
Concen: 38.442 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX039676.D
Acq: 09 Jan 2024 13:38



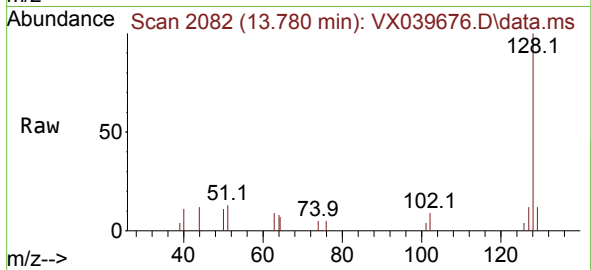
Tgt Ion: 75 Resp: 23481
Ion Ratio Lower Upper
75 100
53 0.0 46.9 140.8#
89 0.0 21.3 63.7#





#91
Naphthalene
Concen: 0.387 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX039676.D
Acq: 09 Jan 2024 13:38

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	128	Resp:	2038
Ion	Ratio	Lower	Upper
128	100		
127	10.8	10.2	15.2
129	9.1	8.6	12.8

