

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030924\
 Data File : VX040623.D
 Acq On : 08 Mar 2024 11:32
 Operator : JC/MD
 Sample : VX0309WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0309WBL01

Quant Time: Mar 08 23:52:01 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)

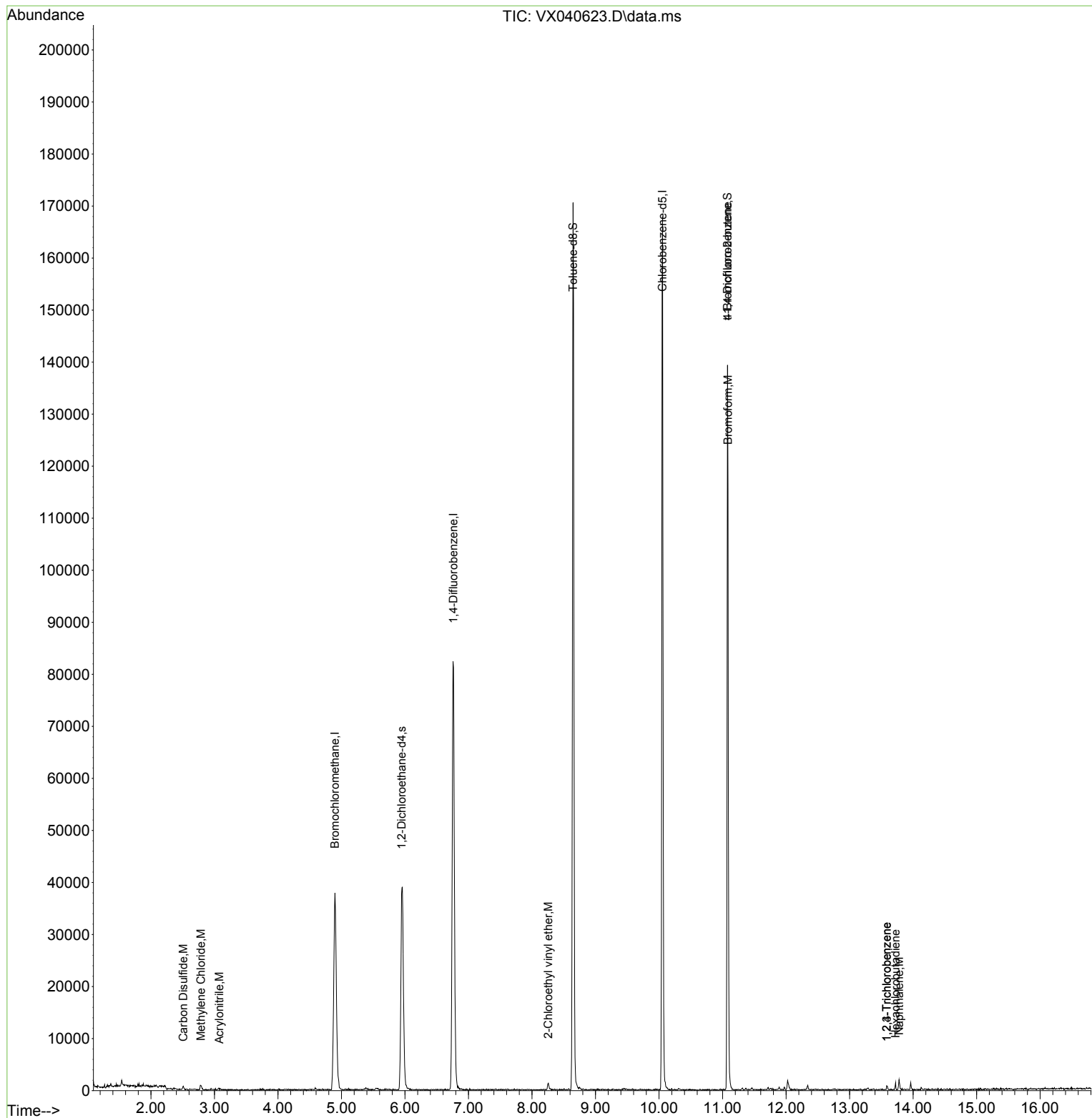
Internal Standards						
1) Bromochloromethane	4.897	128	14546	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	77725	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	69692	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	41824	28.789	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	95.967%
60) 4-Bromofluorobenzene	11.079	95	34938	29.226	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.433%
63) Toluene-d8	8.647	98	98357	31.935	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	106.467%
Target Compounds						
					Qvalue	
14) Acrylonitrile	3.075	53	161	0.286	ug/l	80
16) Carbon Disulfide	2.508	76	649	0.272	ug/l #	73
18) Methylene Chloride	2.788	84	314	0.317	ug/l #	76
55) 2-Chloroethyl vinyl ether	8.257	63	538	0.695	ug/l #	84
56) Bromoform	11.085	173	240	0.308	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	20141	48.331	ug/l #	12
89) 1,2,4-Trichlorobenzene	13.585	180	299	0.233	ug/l #	77
90) Hexachlorobutadiene	13.725	225	190	0.367	ug/l	83
91) Naphthalene	13.780	128	1619	0.387	ug/l #	90
92) 1,2,3-Trichlorobenzene	13.585	180	299	0.237	ug/l	79

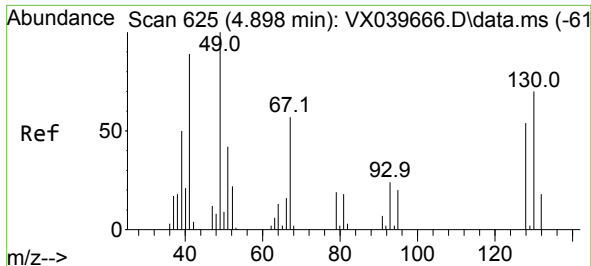
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030924\
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0309WBL01

Quant Time: Mar 08 23:52:01 2024
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Mar 05 13:21:29 2024
Response via : Initial Calibration

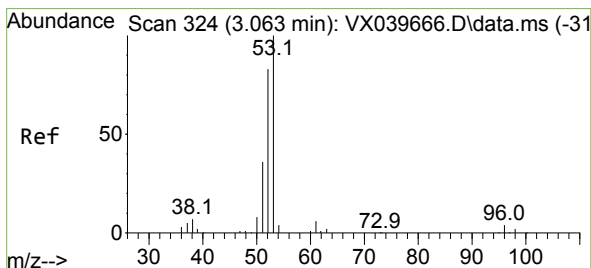
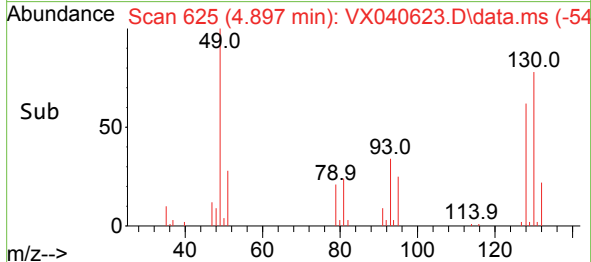
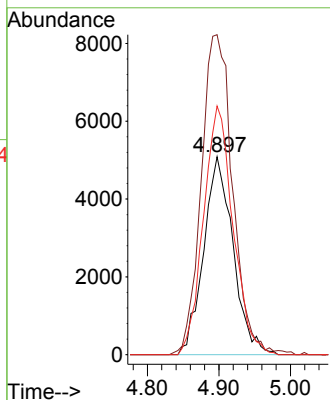
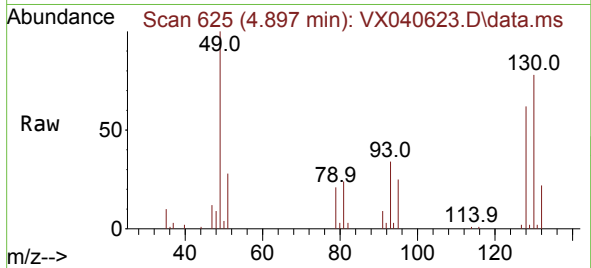




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. -0.001 min
Lab File: VX040623.D
Acq: 08 Mar 2024 11:32

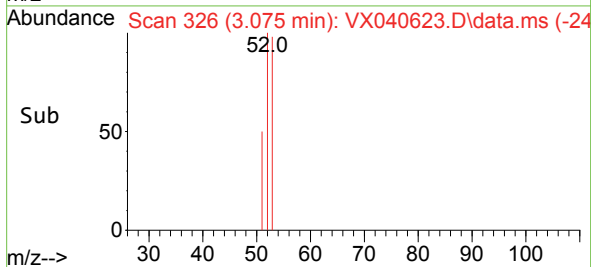
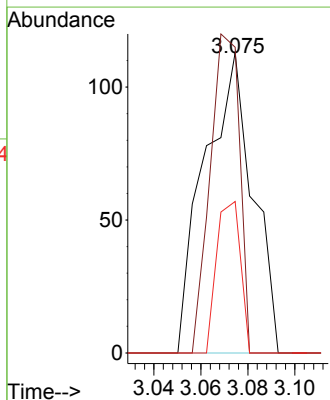
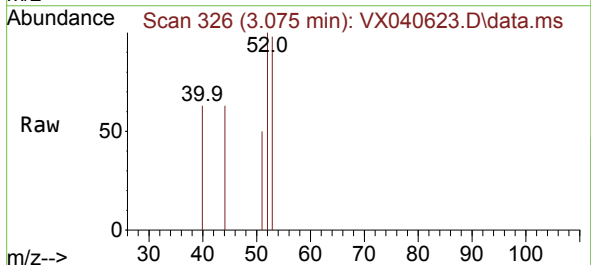
Instrument :
MSVOA_X
ClientSampleId :
VX0309WBL01

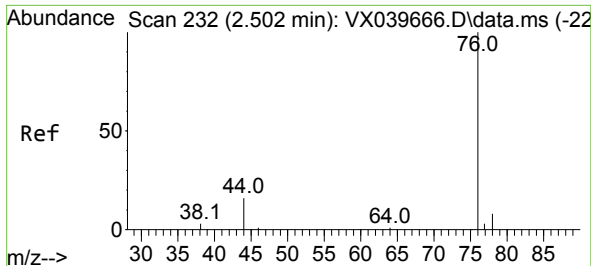
Tgt Ion:	128	Resp:	14546
Ion	Ratio	Lower	Upper
128	100		
49	171.3	0.0	444.0
130	126.4	0.0	297.8



#14
Acrylonitrile
Concen: 0.286 ug/l
RT: 3.075 min Scan# 326
Delta R.T. 0.012 min
Lab File: VX040623.D
Acq: 08 Mar 2024 11:32

Tgt Ion:	53	Resp:	161
Ion	Ratio	Lower	Upper
53	100		
52	65.2	41.9	125.6
51	24.8	18.3	54.9

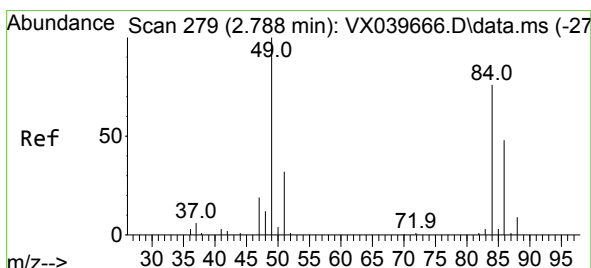
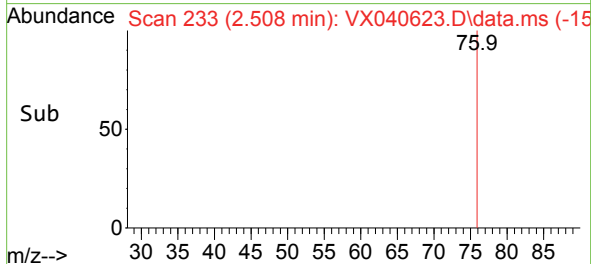
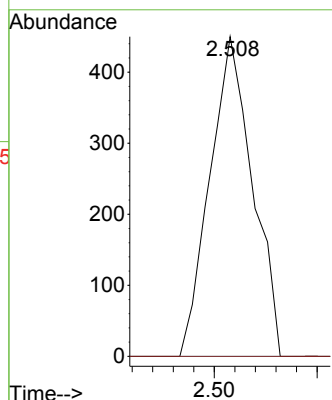
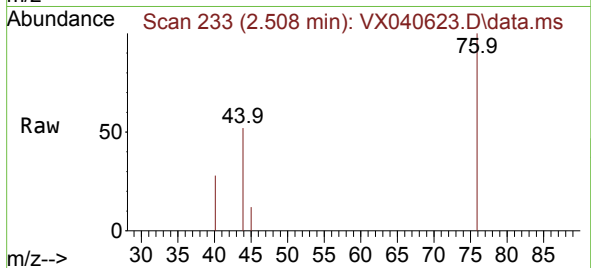




#16
Carbon Disulfide
Concen: 0.272 ug/l
RT: 2.508 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX040623.D
Acq: 08 Mar 2024 11:32

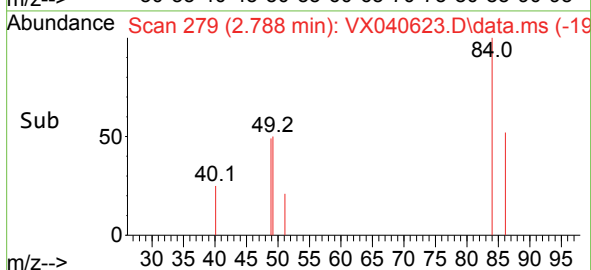
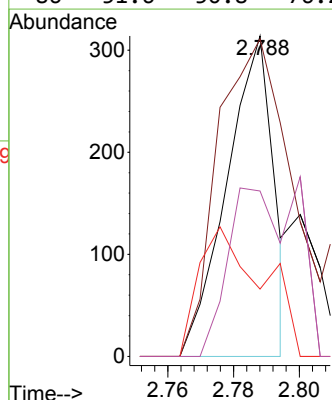
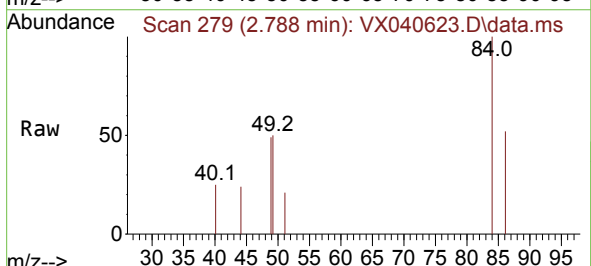
Instrument :
MSVOA_X
ClientSampleId :
VX0309WBL01

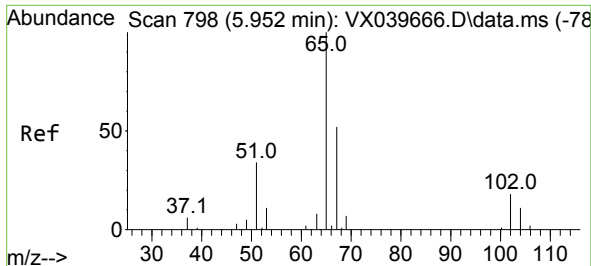
Tgt Ion: 76 Resp: 649
Ion Ratio Lower Upper
76 100
78 0.0 8.0 12.0#



#18
Methylene Chloride
Concen: 0.317 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX040623.D
Acq: 08 Mar 2024 11:32

Tgt Ion: 84 Resp: 314
Ion Ratio Lower Upper
84 100
49 99.0 103.8 155.8#
51 21.0 31.8 47.6#
86 51.6 50.8 76.2





#27

1,2-Dichloroethane-d4

Concen: 28.789 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX040623.D

Acq: 08 Mar 2024 11:32

Instrument :

MSVOA_X

ClientSampleId :

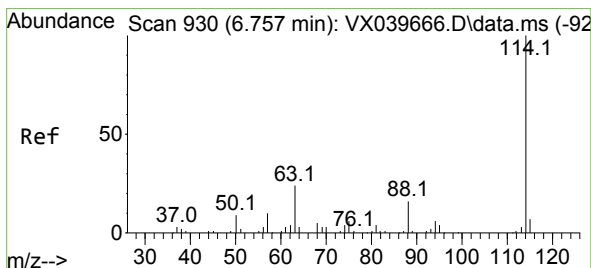
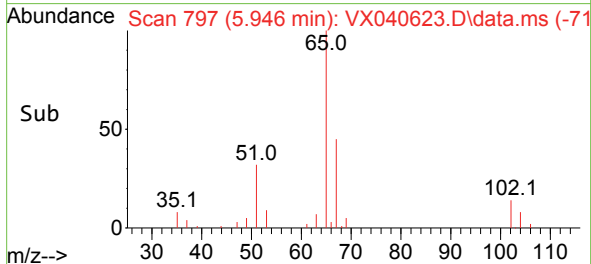
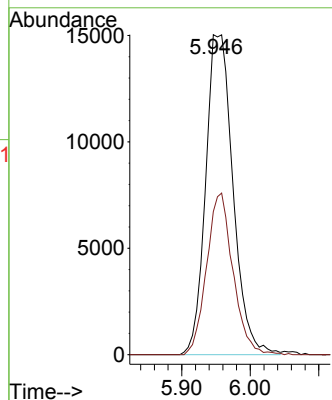
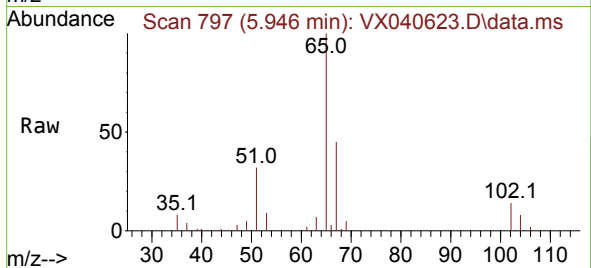
VX0309WBL01

Tgt Ion: 65 Resp: 41824

Ion Ratio Lower Upper

65 100

67 48.3 42.5 63.7



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX040623.D

Acq: 08 Mar 2024 11:32

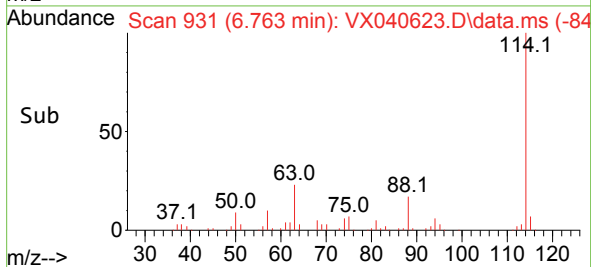
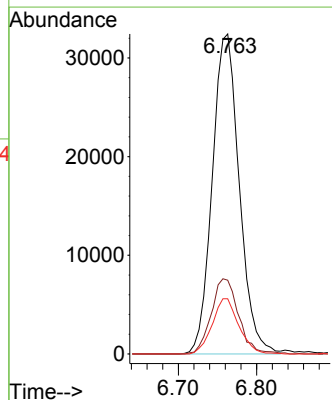
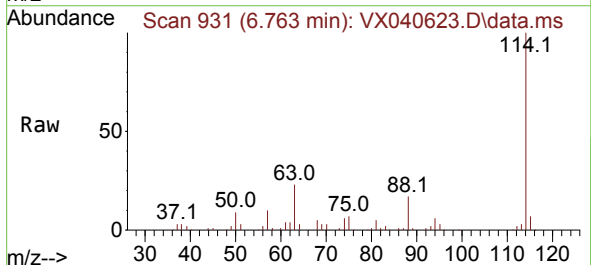
Tgt Ion: 114 Resp: 77725

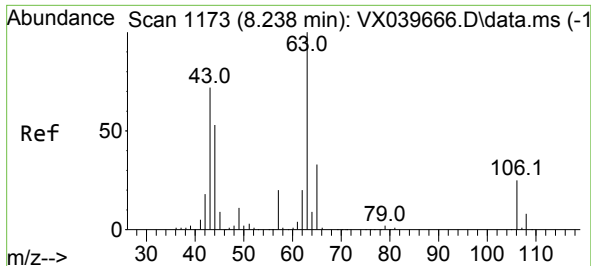
Ion Ratio Lower Upper

114 100

63 23.7 17.0 25.4

88 17.0 12.7 19.1

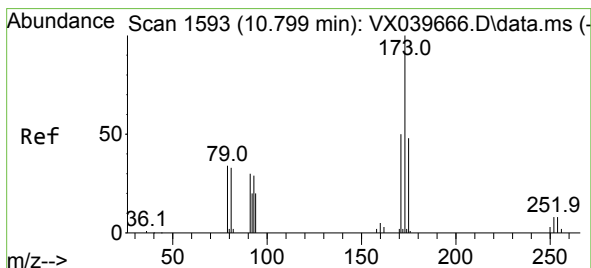
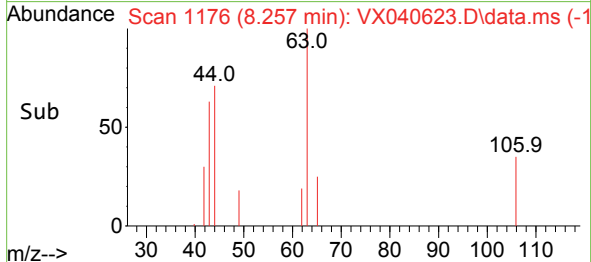
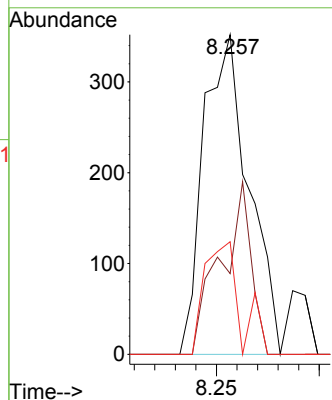
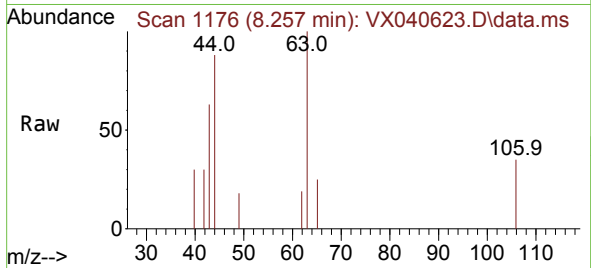




#55
 2-Chloroethyl vinyl ether
 Concen: 0.695 ug/l
 RT: 8.257 min Scan# 1176
 Delta R.T. 0.019 min
 Lab File: VX040623.D
 Acq: 08 Mar 2024 11:32

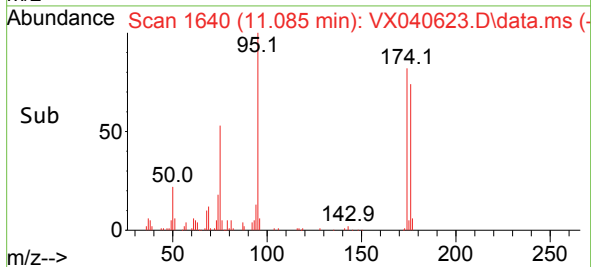
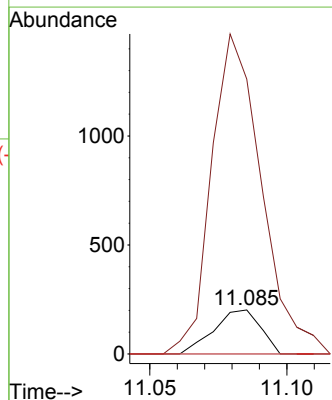
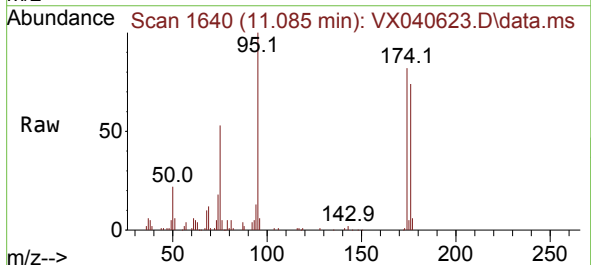
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0309WBL01

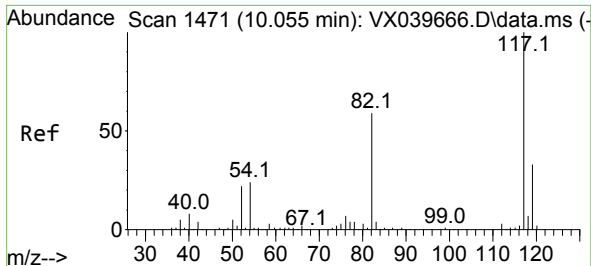
Tgt Ion:	63	Resp:	538
Ion	Ratio	Lower	Upper
63	100		
65	19.0	25.8	38.6#
106	22.9	20.6	31.0



#56
 Bromoform
 Concen: 0.308 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.286 min
 Lab File: VX040623.D
 Acq: 08 Mar 2024 11:32

Tgt Ion:	173	Resp:	240
Ion	Ratio	Lower	Upper
173	100		
175	777.9	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: VX040623.D

Acq: 08 Mar 2024 11:32

Instrument :

MSVOA_X

ClientSampleId :

VX0309WBL01

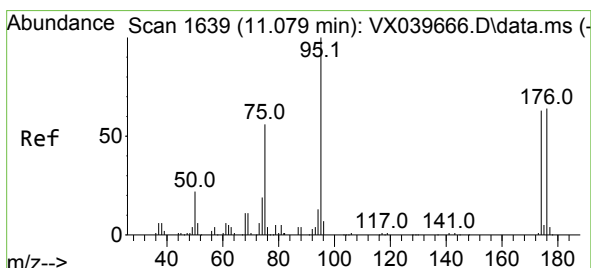
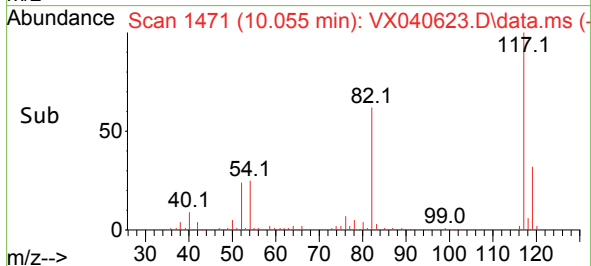
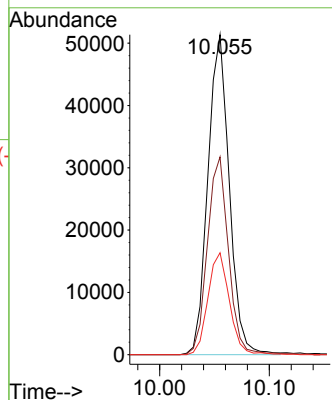
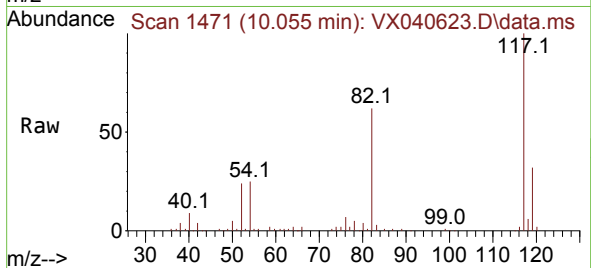
Tgt Ion:117 Resp: 69692

Ion Ratio Lower Upper

117 100

82 60.9 47.0 70.6

119 31.6 25.2 37.8



#60

4-Bromofluorobenzene

Concen: 29.226 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX040623.D

Acq: 08 Mar 2024 11:32

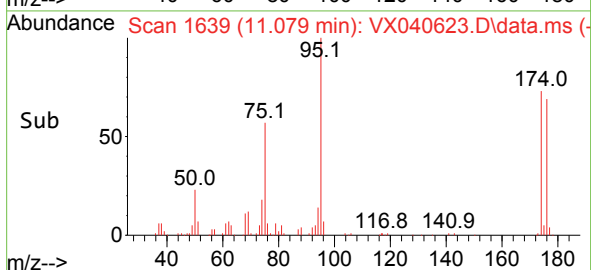
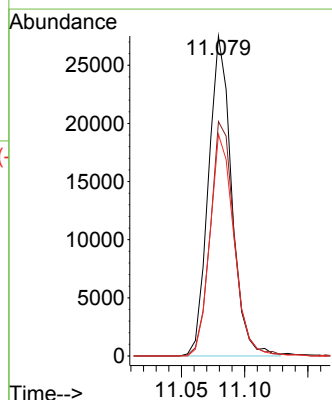
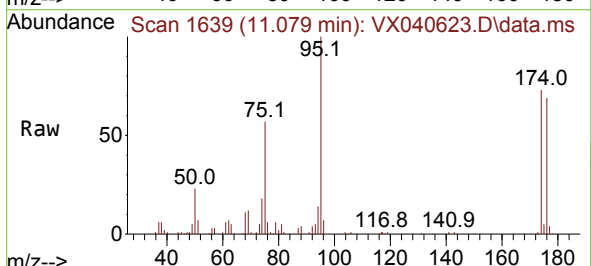
Tgt Ion: 95 Resp: 34938

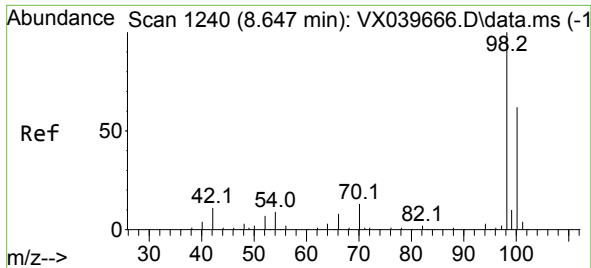
Ion Ratio Lower Upper

95 100

174 76.3 55.4 83.2

176 71.8 52.6 78.8

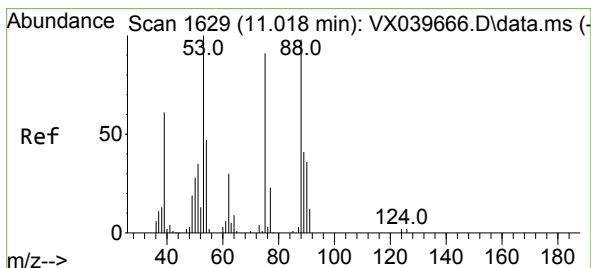
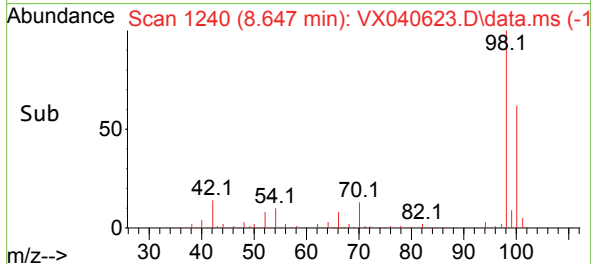
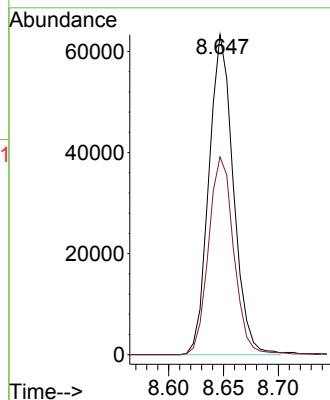
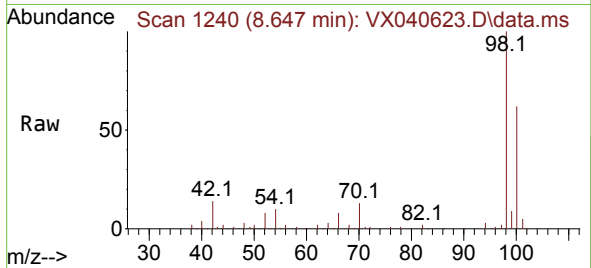




#63
Toluene-d8
Concen: 31.935 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040623.D
Acq: 08 Mar 2024 11:32

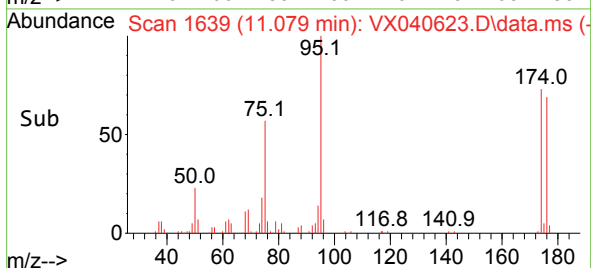
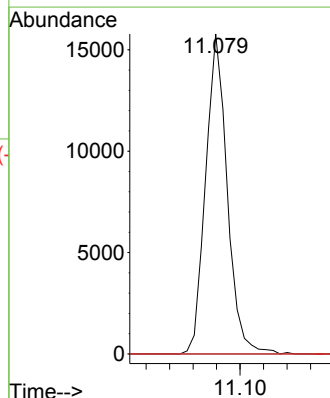
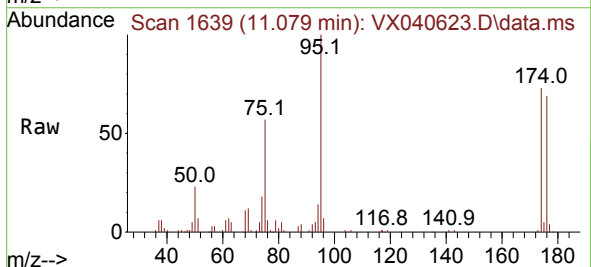
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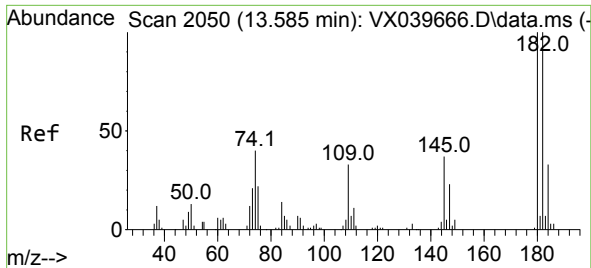
Tgt Ion: 98 Resp: 98357
Ion Ratio Lower Upper
98 100
100 63.6 51.0 76.4



#77
t-1,4-Dichloro-2-butene
Concen: 48.331 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040623.D
Acq: 08 Mar 2024 11:32

Tgt Ion: 75 Resp: 20141
Ion Ratio Lower Upper
75 100
53 0.0 46.9 140.8#
89 0.0 21.3 63.7#

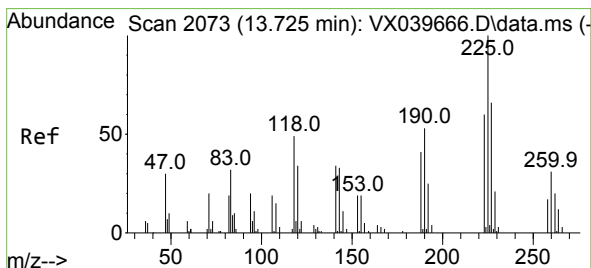
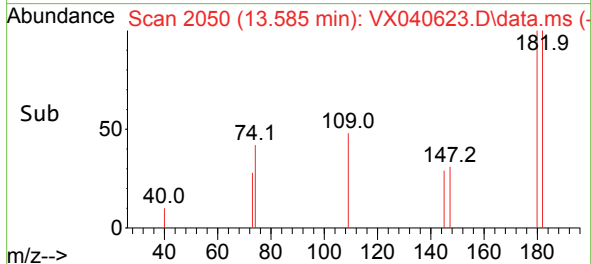
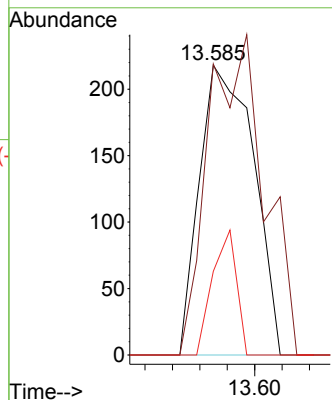
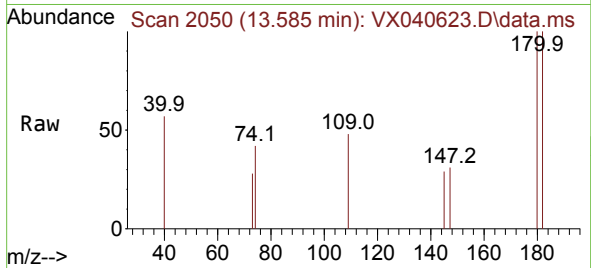




#89
 1,2,4-Trichlorobenzene
 Concen: 0.233 ug/l
 RT: 13.585 min Scan# 2050
 Delta R.T. -0.000 min
 Lab File: VX040623.D
 Acq: 08 Mar 2024 11:32

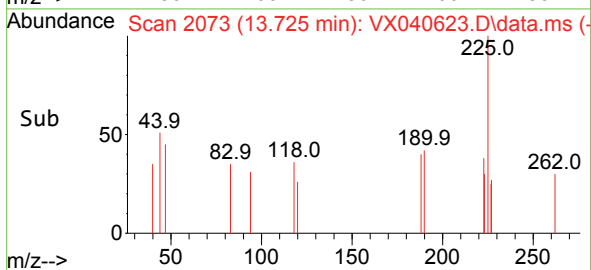
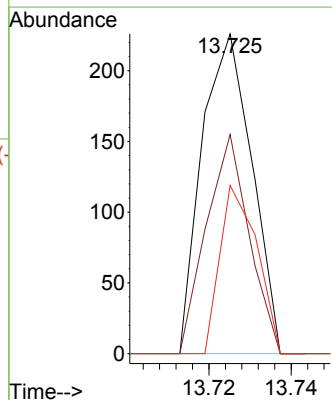
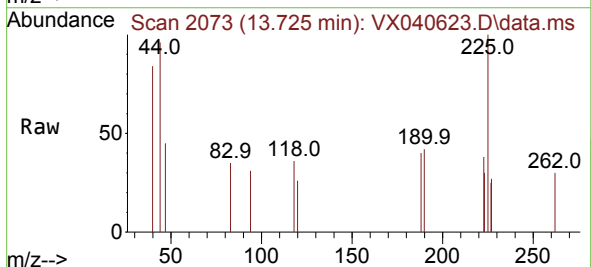
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0309WBL01

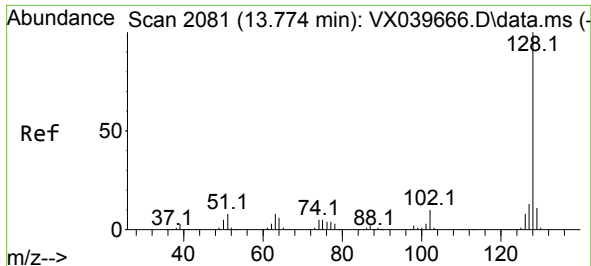
Tgt Ion:180 Resp: 299
 Ion Ratio Lower Upper
 180 100
 182 114.4 74.5 111.7#
 145 19.1 26.6 40.0#



#90
 Hexachlorobutadiene
 Concen: 0.367 ug/l
 RT: 13.725 min Scan# 2073
 Delta R.T. 0.000 min
 Lab File: VX040623.D
 Acq: 08 Mar 2024 11:32

Tgt Ion:225 Resp: 190
 Ion Ratio Lower Upper
 225 100
 223 58.9 0.0 124.4
 227 38.9 0.0 124.4

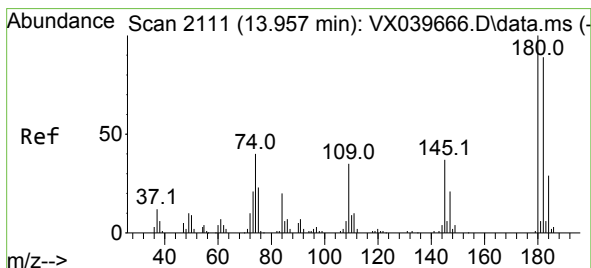
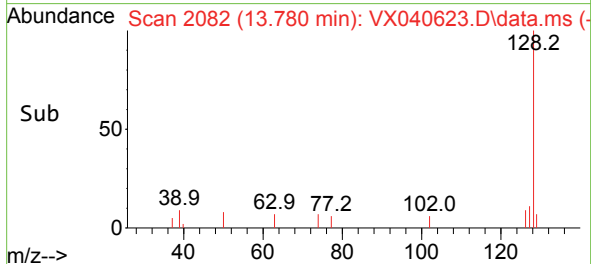
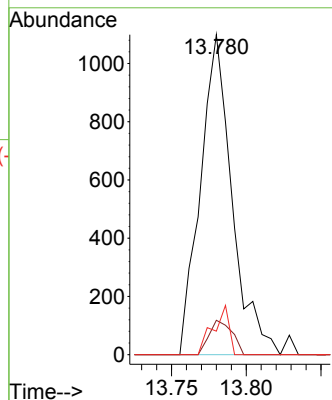
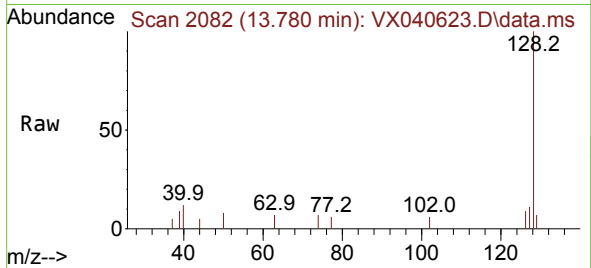




#91
Naphthalene
Concen: 0.387 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX040623.D
Acq: 08 Mar 2024 11:32

Instrument :
MSVOA_X
ClientSampleId :
VX0309WBL01

Tgt Ion:128 Resp: 1619
Ion Ratio Lower Upper
128 100
127 7.7 10.2 15.2#
129 7.7 8.6 12.8#



#92
1,2,3-Trichlorobenzene
Concen: 0.237 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.372 min
Lab File: VX040623.D
Acq: 08 Mar 2024 11:32

Tgt Ion:180 Resp: 299
Ion Ratio Lower Upper
180 100
182 114.4 0.0 191.6
145 19.1 0.0 69.6

