

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030624\
 Data File : VX040596.D
 Acq On : 06 Mar 2024 10:31
 Operator : JC/MD
 Sample : VX0306WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0306WBL01

Quant Time: Mar 07 04:33:48 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)

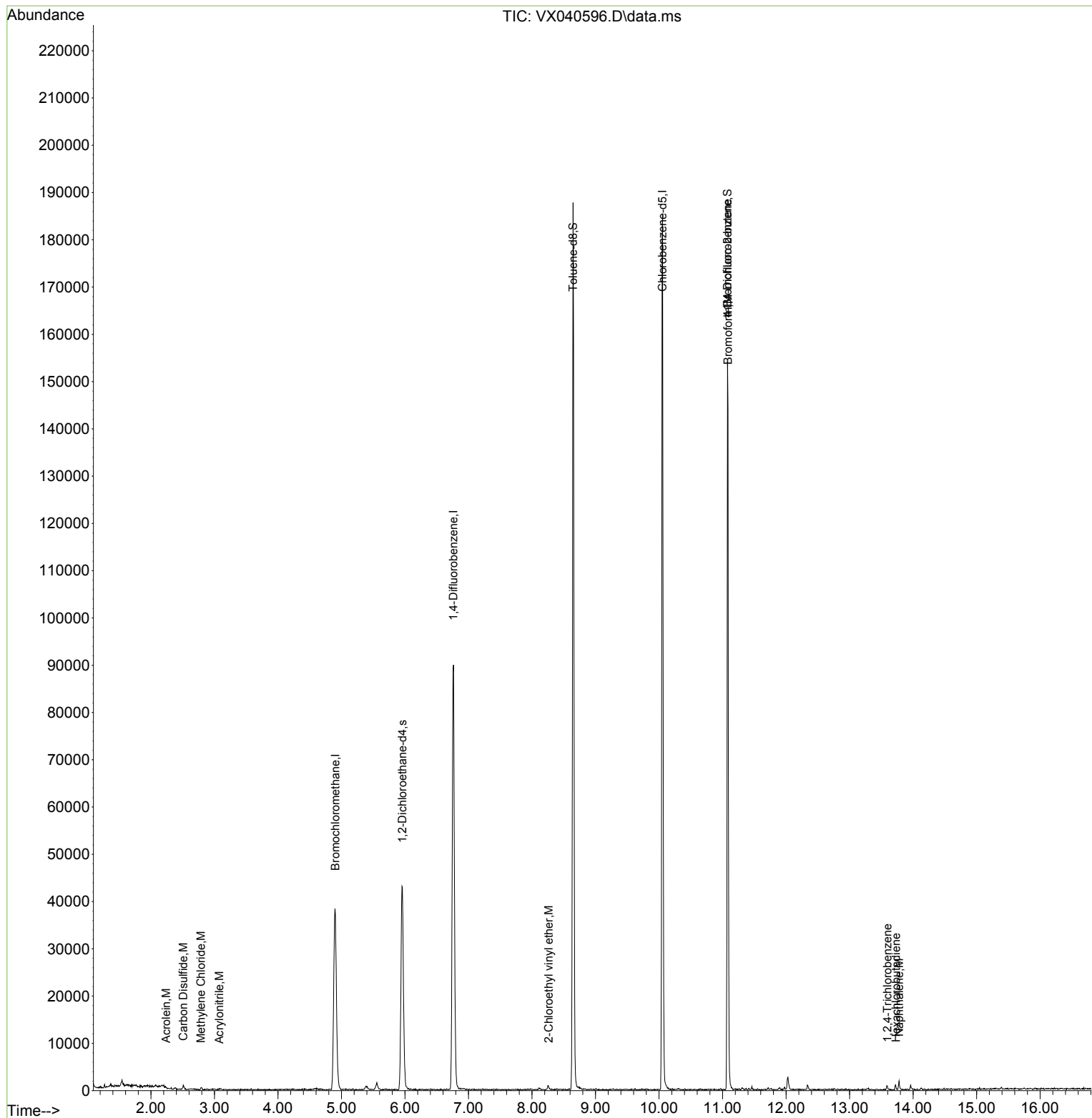
Internal Standards						
1) Bromochloromethane	4.903	128	15028	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	85442	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	79404	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	45353	30.217	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.733%
60) 4-Bromofluorobenzene	11.079	95	38767	28.463	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	94.867%
63) Toluene-d8	8.646	98	103485	29.491	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.300%
Target Compounds						
					Qvalue	
13) Acrolein	2.239	56	61	0.219	ug/l #	8
14) Acrylonitrile	3.074	53	131	0.225	ug/l #	59
16) Carbon Disulfide	2.507	76	764	0.310	ug/l #	95
18) Methylene Chloride	2.788	84	245	0.239	ug/l #	59
55) 2-Chloroethyl vinyl ether	8.262	63	466	0.548	ug/l #	73
56) Bromoform	11.085	173	370	0.431	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	22834	48.092	ug/l #	12
89) 1,2,4-Trichlorobenzene	13.597	180	323	0.221	ug/l #	69
90) Hexachlorobutadiene	13.731	225	207	0.351	ug/l	83
91) Naphthalene	13.780	128	1376	0.289	ug/l #	79

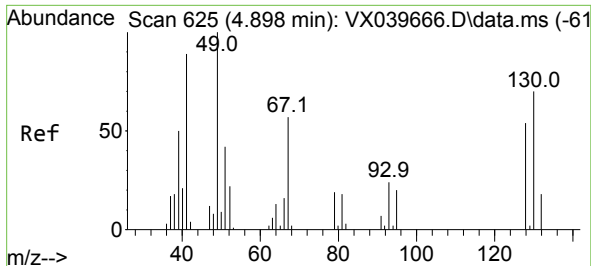
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VX040596.D
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBL01

Quant Time: Mar 07 04:33:48 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

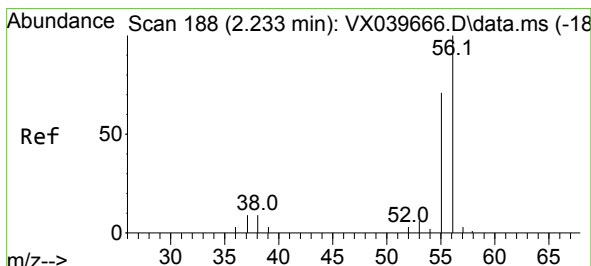
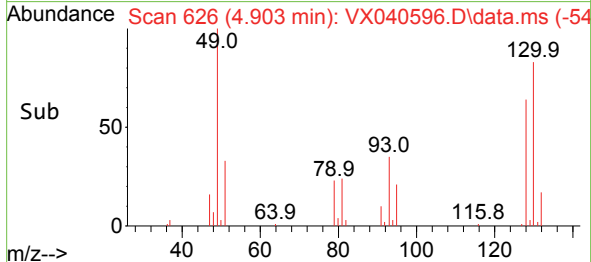
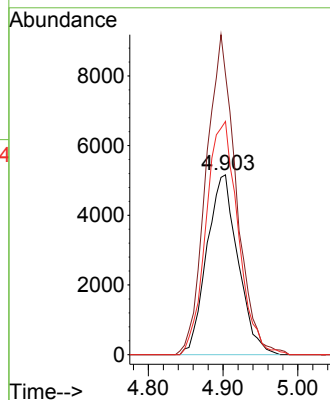
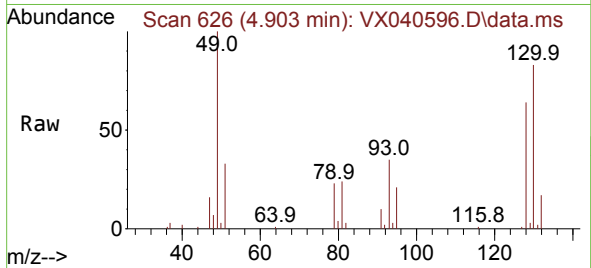




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. 0.005 min
Lab File: VX040596.D
Acq: 06 Mar 2024 10:31

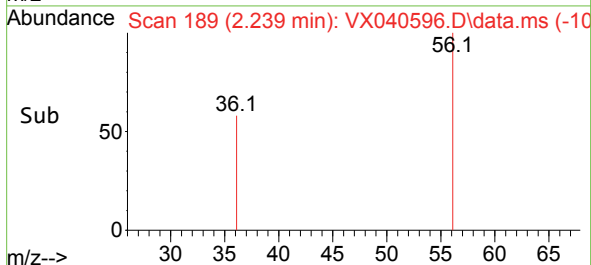
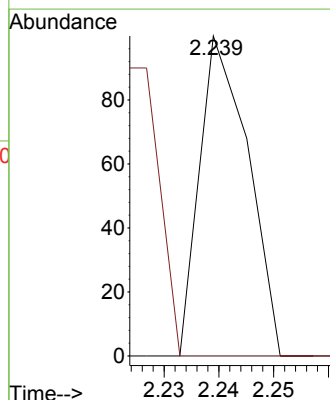
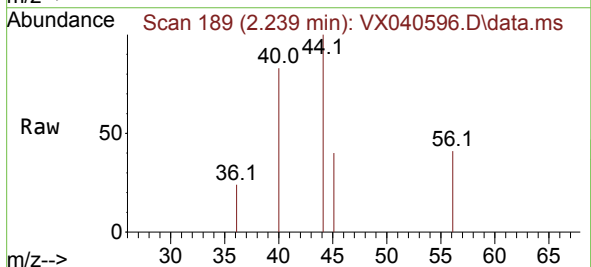
Instrument :
MSVOA_X
ClientSampleId :
VX0306WBL01

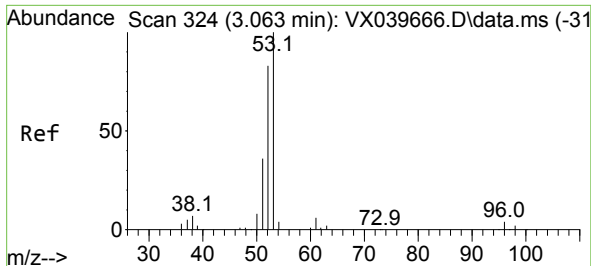
Tgt Ion:128 Resp: 15028
Ion Ratio Lower Upper
128 100
49 171.0 0.0 444.0
130 133.2 0.0 297.8



#13
Acrolein
Concen: 0.219 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.006 min
Lab File: VX040596.D
Acq: 06 Mar 2024 10:31

Tgt Ion: 56 Resp: 61
Ion Ratio Lower Upper
56 100
55 147.5 57.2 85.8#

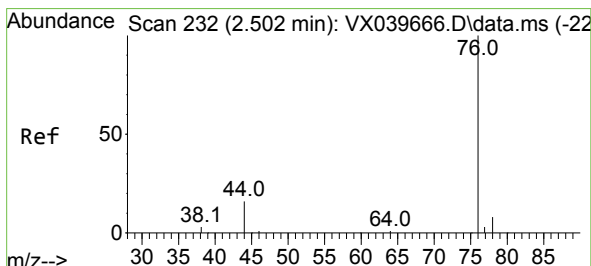
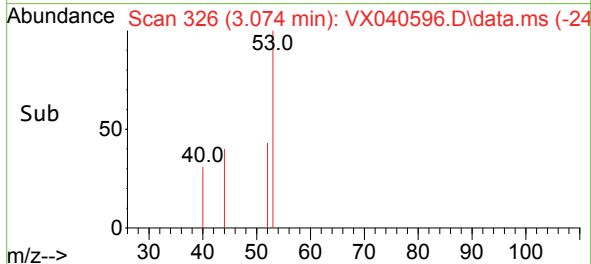
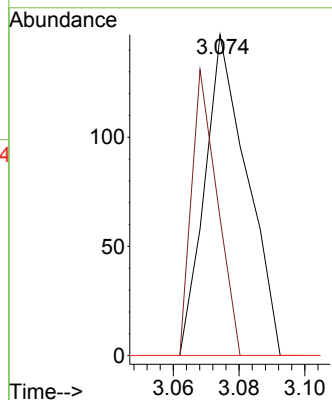
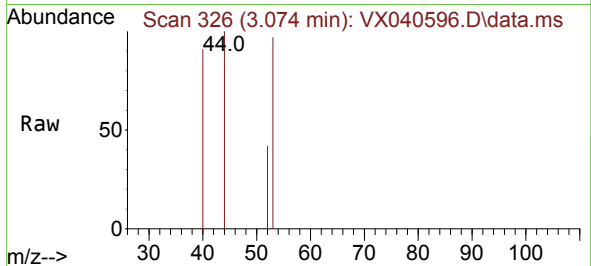




#14
Acrylonitrile
Concen: 0.225 ug/l
RT: 3.074 min Scan# 31
Delta R.T. 0.011 min
Lab File: VX040596.D
Acq: 06 Mar 2024 10:31

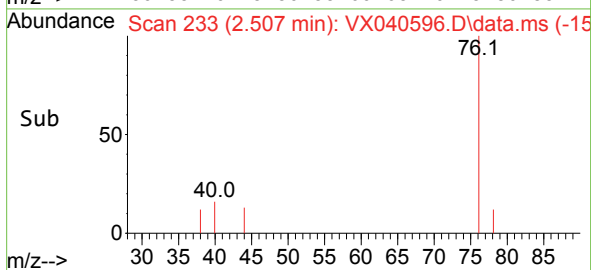
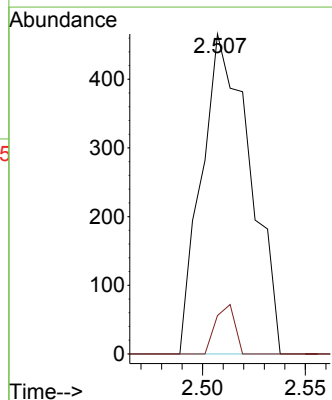
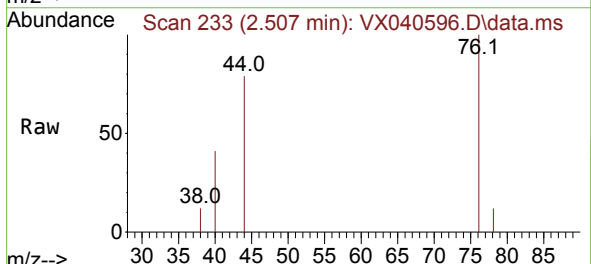
Instrument :
MSVOA_X
ClientSampleId :
VX0306WBL01

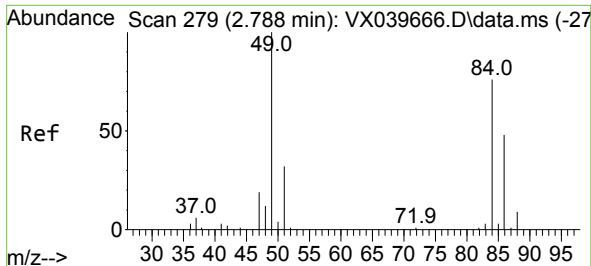
Tgt Ion: 53 Resp: 131
Ion Ratio Lower Upper
53 100
52 54.2 41.9 125.6
51 0.0 18.3 54.9#



#16
Carbon Disulfide
Concen: 0.310 ug/l
RT: 2.507 min Scan# 233
Delta R.T. 0.005 min
Lab File: VX040596.D
Acq: 06 Mar 2024 10:31

Tgt Ion: 76 Resp: 764
Ion Ratio Lower Upper
76 100
78 12.0 8.0 12.0#





#18

Methylene Chloride

Concen: 0.239 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX040596.D

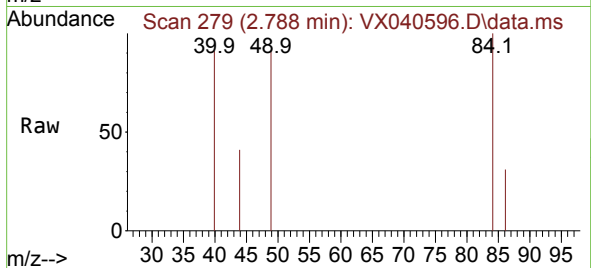
Acq: 06 Mar 2024 10:31

Instrument :

MSVOA_X

ClientSampleId :

VX0306WBL01



Tgt Ion: 84 Resp: 245

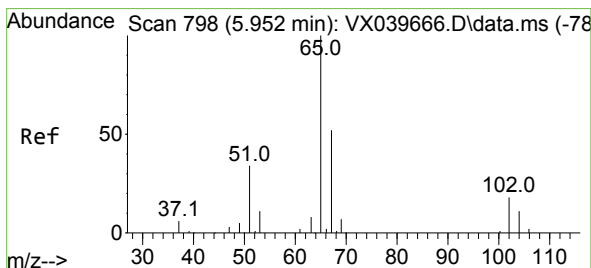
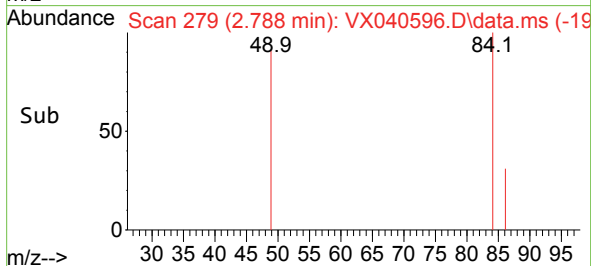
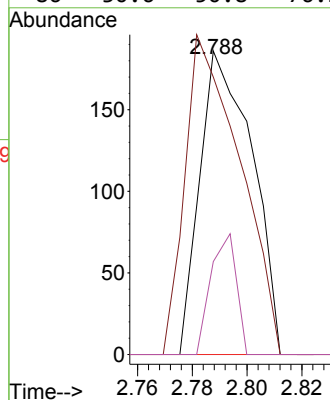
Ion Ratio Lower Upper

84 100

49 91.4 103.8 155.8#

51 0.0 31.8 47.6#

86 30.6 50.8 76.2#



#27

1,2-Dichloroethane-d4

Concen: 30.217 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.006 min

Lab File: VX040596.D

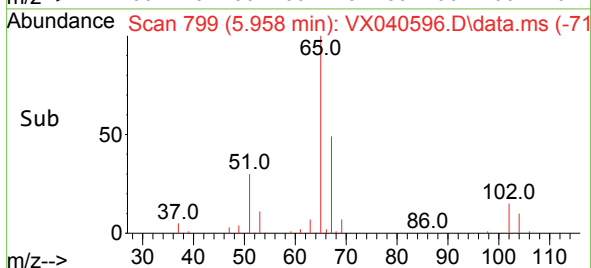
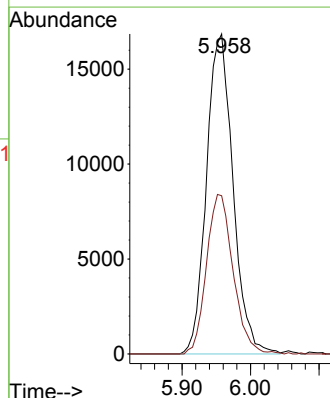
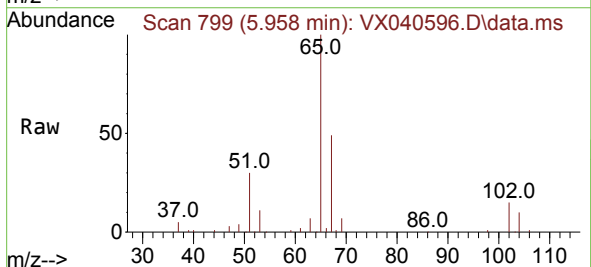
Acq: 06 Mar 2024 10:31

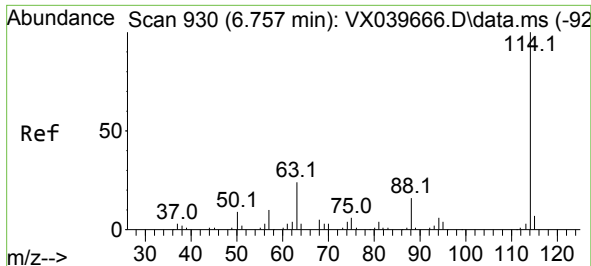
Tgt Ion: 65 Resp: 45353

Ion Ratio Lower Upper

65 100

67 49.8 42.5 63.7





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX040596.D

Acq: 06 Mar 2024 10:31

Instrument :

MSVOA_X

ClientSampleId :

VX0306WBL01

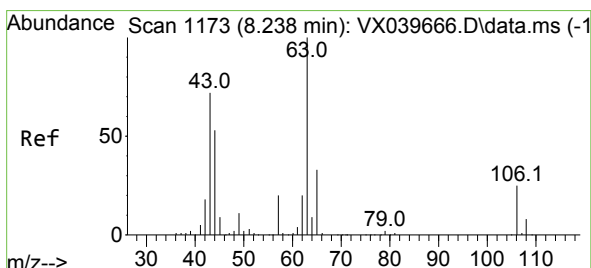
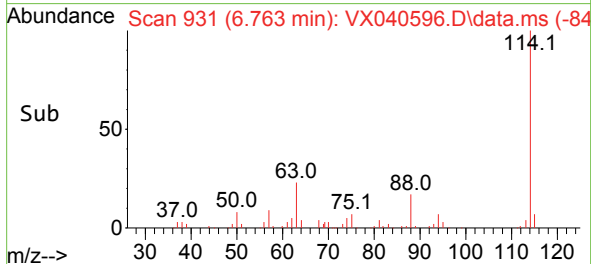
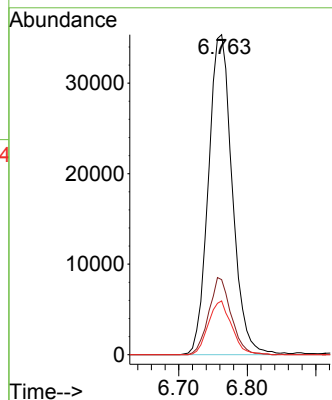
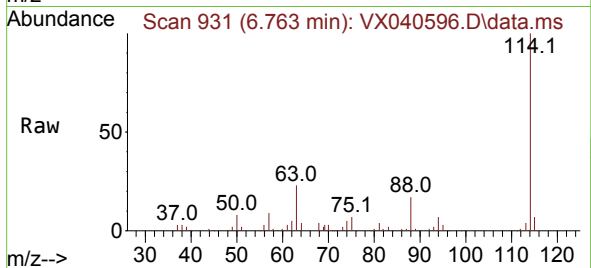
Tgt Ion:114 Resp: 85442

Ion Ratio Lower Upper

114 100

63 22.6 17.0 25.4

88 16.4 12.7 19.1



#55

2-Chloroethyl vinyl ether

Concen: 0.548 ug/l

RT: 8.262 min Scan# 1177

Delta R.T. 0.024 min

Lab File: VX040596.D

Acq: 06 Mar 2024 10:31

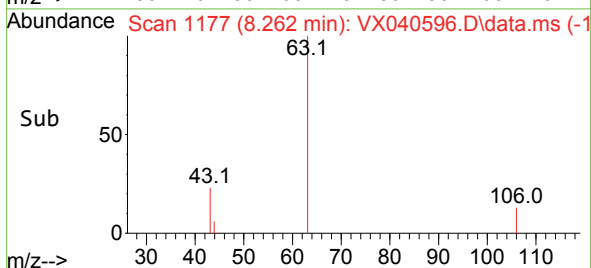
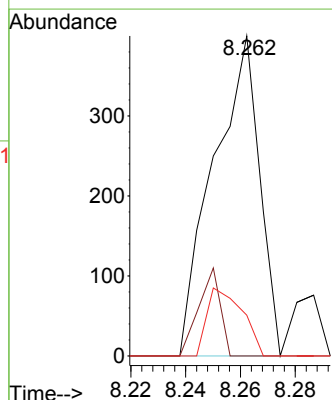
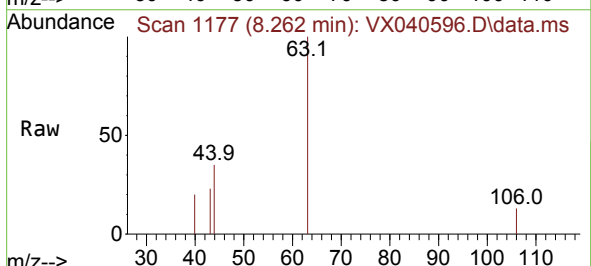
Tgt Ion: 63 Resp: 466

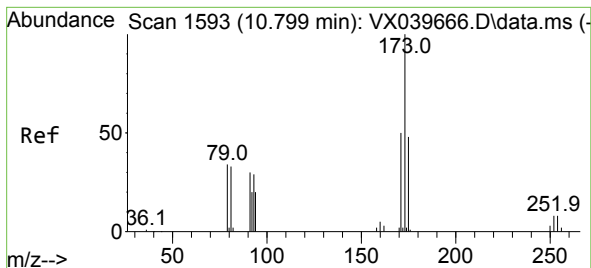
Ion Ratio Lower Upper

63 100

65 12.9 25.8 38.6#

106 16.3 20.6 31.0#





#56

Bromoform

Concen: 0.431 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.286 min

Lab File: VX040596.D

Acq: 06 Mar 2024 10:31

Instrument :

MSVOA_X

ClientSampleId :

VX0306WBL01

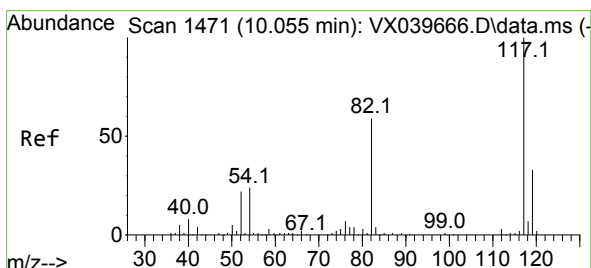
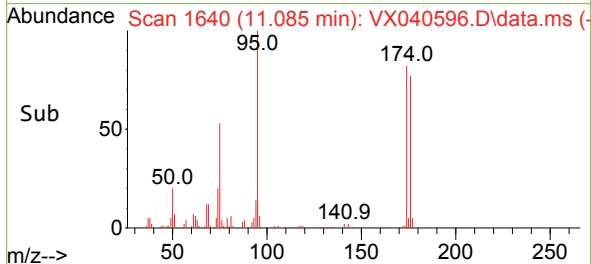
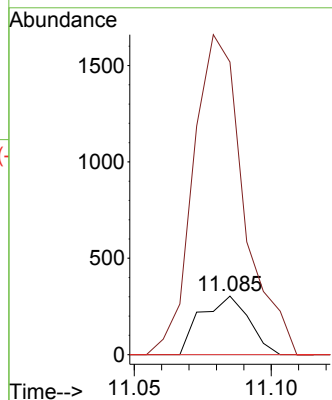
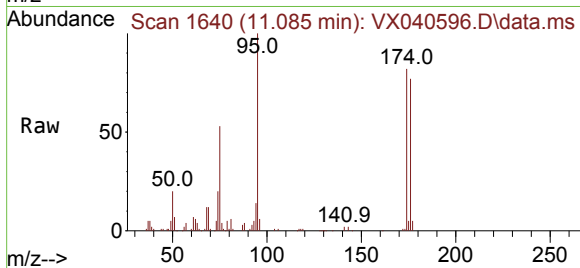
Tgt Ion:173 Resp: 370

Ion Ratio Lower Upper

173 100

175 578.1 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: VX040596.D

Acq: 06 Mar 2024 10:31

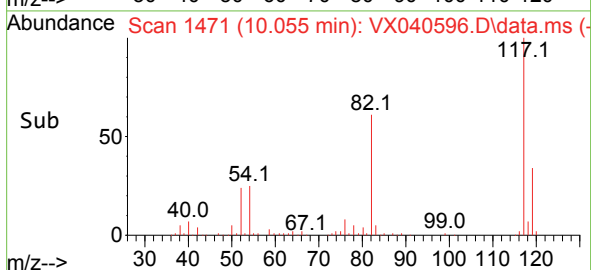
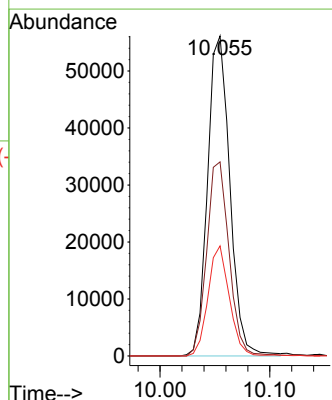
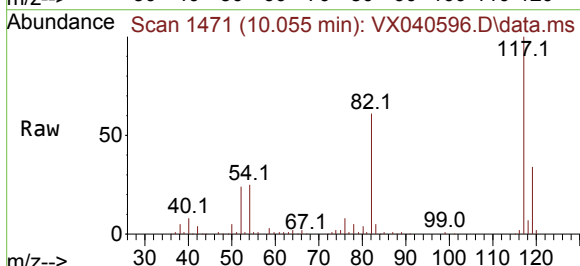
Tgt Ion:117 Resp: 79404

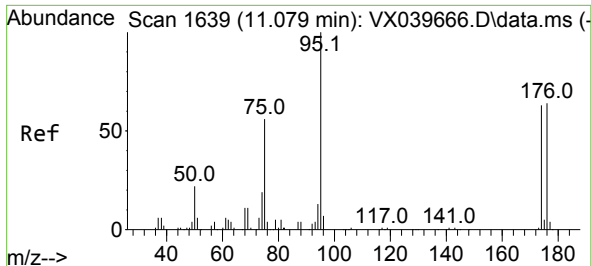
Ion Ratio Lower Upper

117 100

82 60.8 47.0 70.6

119 32.8 25.2 37.8

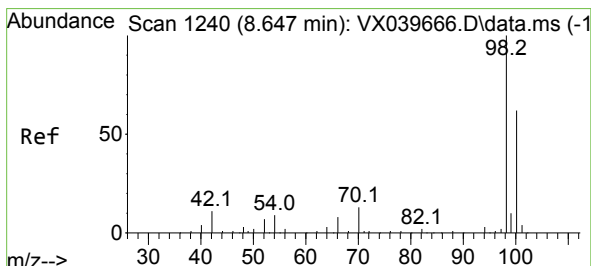
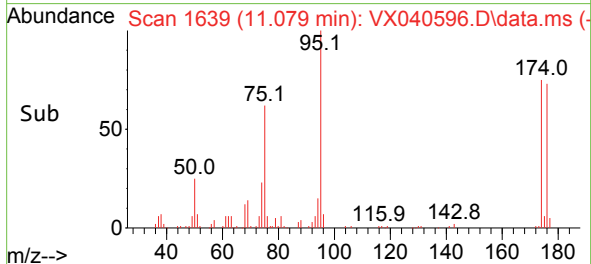
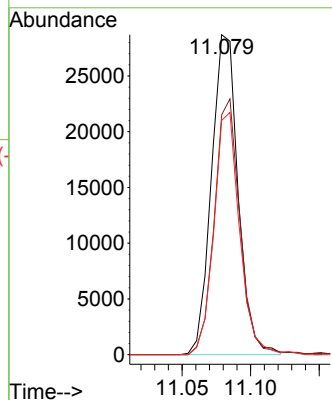
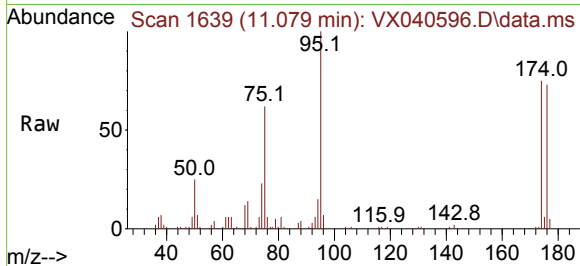




#60
4-Bromofluorobenzene
Concen: 28.463 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040596.D
Acq: 06 Mar 2024 10:31

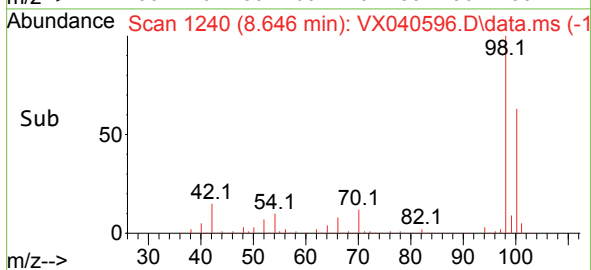
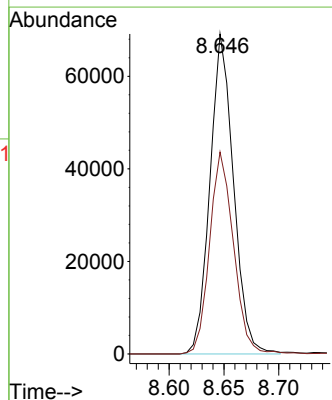
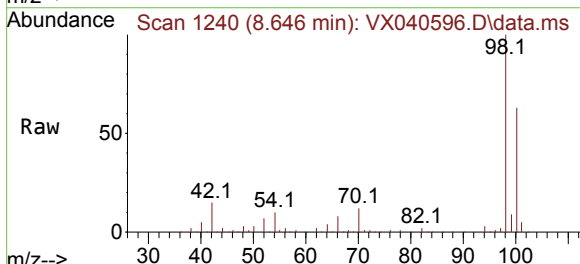
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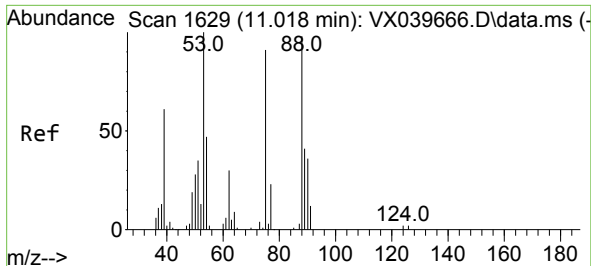
Tgt Ion: 95 Resp: 38767
Ion Ratio Lower Upper
95 100
174 77.2 55.4 83.2
176 72.7 52.6 78.8



#63
Toluene-d8
Concen: 29.491 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.001 min
Lab File: VX040596.D
Acq: 06 Mar 2024 10:31

Tgt Ion: 98 Resp: 103485
Ion Ratio Lower Upper
98 100
100 64.1 51.0 76.4

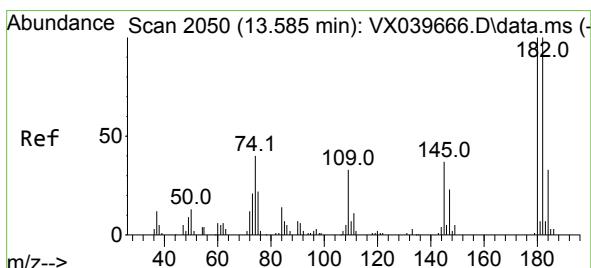
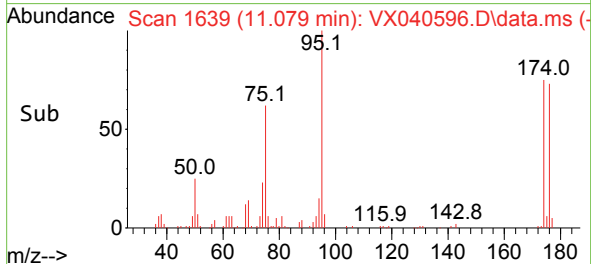
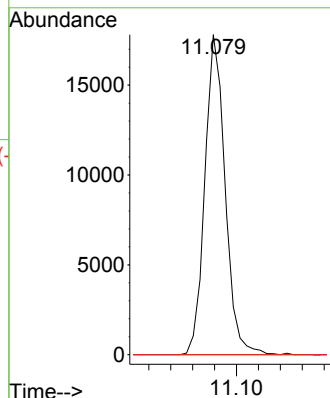
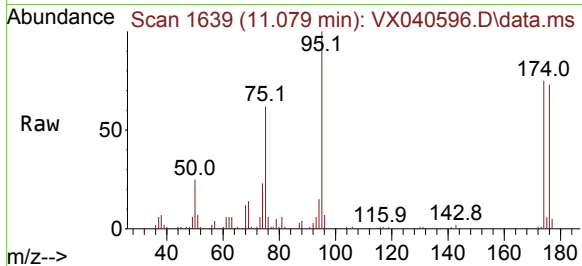




#77
t-1,4-Dichloro-2-butene
Concen: 48.092 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX040596.D
Acq: 06 Mar 2024 10:31

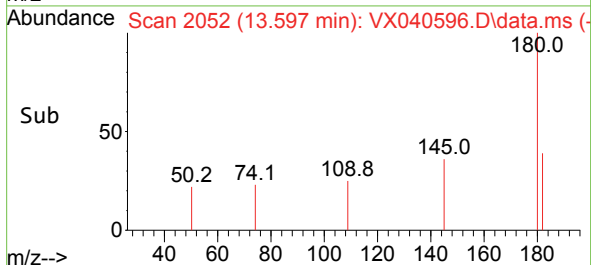
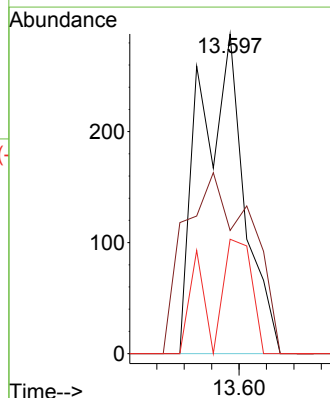
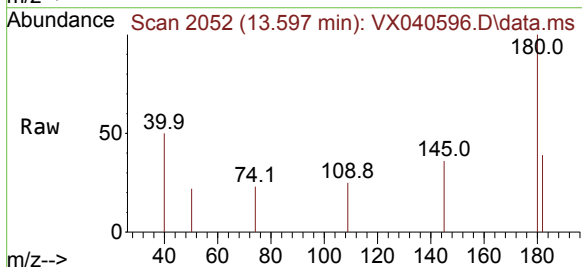
Instrument :
MSVOA_X
ClientSampleId :
VX0306WBL01

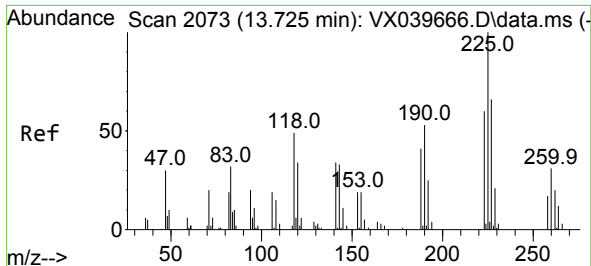
Tgt Ion: 75 Resp: 22834
Ion Ratio Lower Upper
75 100
53 0.0 46.9 140.8#
89 0.0 21.3 63.7#



#89
1,2,4-Trichlorobenzene
Concen: 0.221 ug/l
RT: 13.597 min Scan# 2052
Delta R.T. 0.012 min
Lab File: VX040596.D
Acq: 06 Mar 2024 10:31

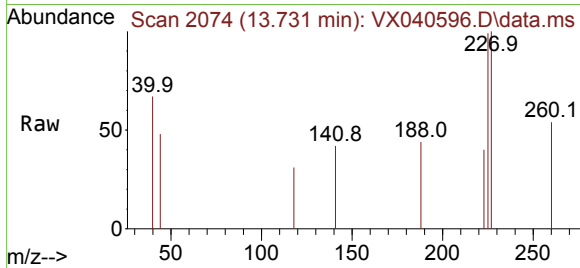
Tgt Ion:180 Resp: 323
Ion Ratio Lower Upper
180 100
182 58.5 74.5 111.7#
145 22.6 26.6 40.0#



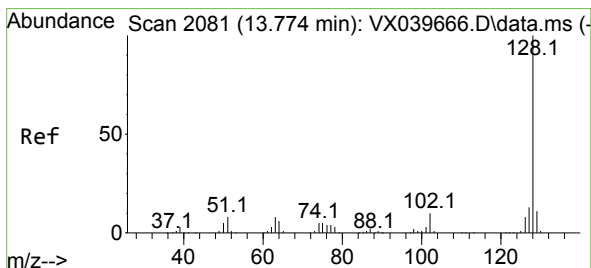
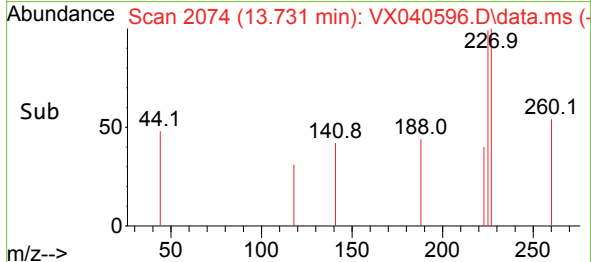
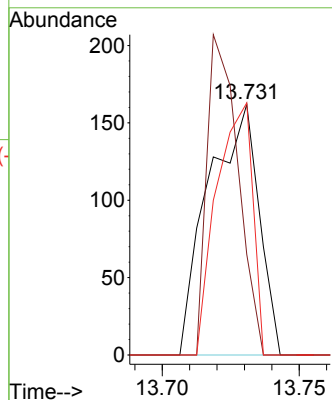


#90
Hexachlorobutadiene
Concen: 0.351 ug/l
RT: 13.731 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX040596.D
Acq: 06 Mar 2024 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBL01



Tgt Ion:225 Resp: 207
Ion Ratio Lower Upper
225 100
223 78.7 0.0 124.4
227 72.0 0.0 124.4



#91
Naphthalene
Concen: 0.289 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX040596.D
Acq: 06 Mar 2024 10:31

Tgt Ion:128 Resp: 1376
Ion Ratio Lower Upper
128 100
127 6.9 10.2 15.2#
129 0.0 8.6 12.8#

