

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061724\
 Data File : VX041906.D
 Acq On : 17 Jun 2024 13:47
 Operator : JC/MD
 Sample : P2866-01RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 240607022-01RE

Quant Time: Jun 18 02:07:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 15 04:02:59 2024
 Response via : Initial Calibration

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

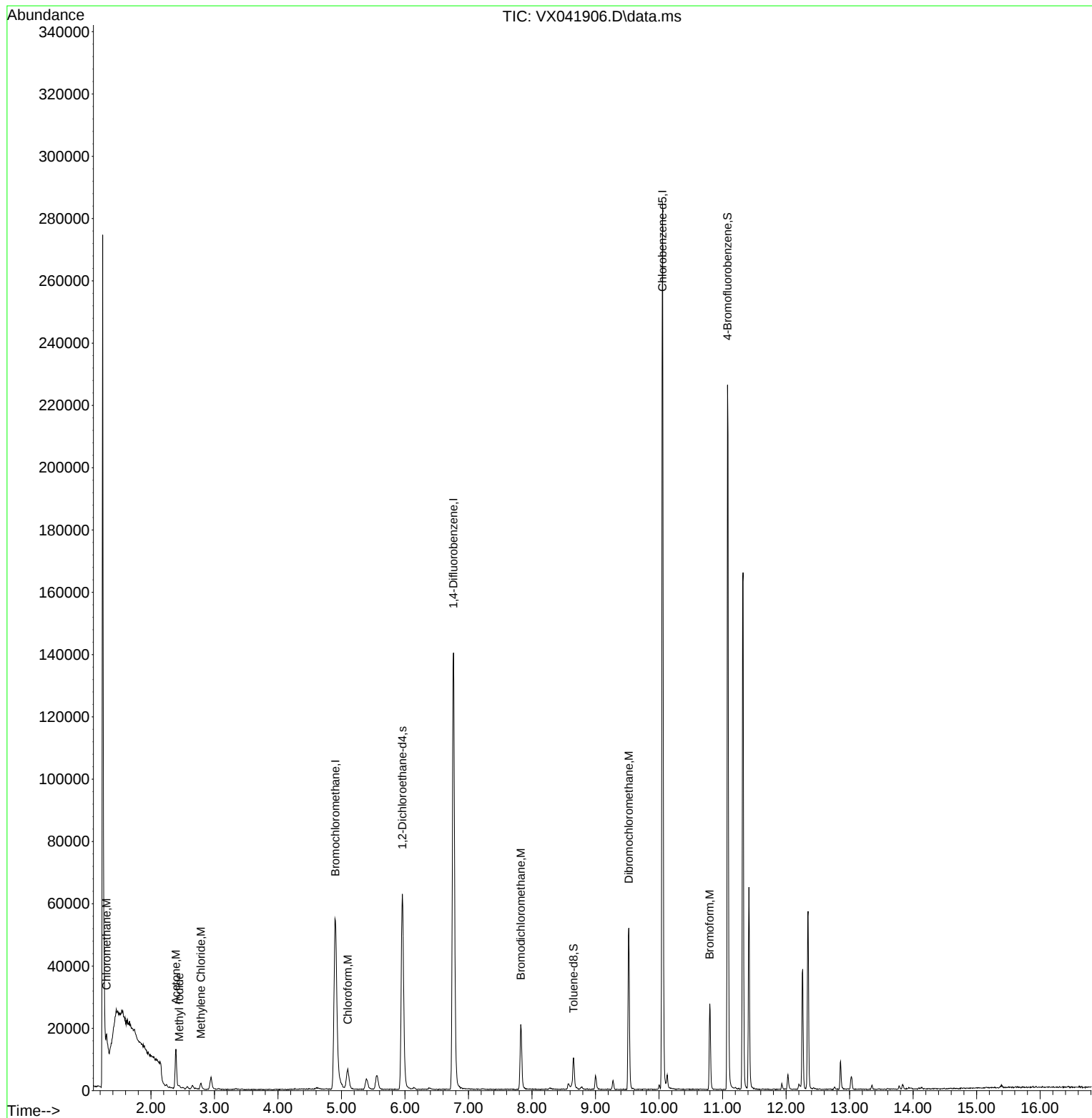
Internal Standards						
1) Bromochloromethane	4.904	128	29047	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	157529	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	140797	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	59822	29.917	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.733%
60) 4-Bromofluorobenzene	11.079	95	60149	27.599	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.000%
63) Toluene-d8	8.653	98	7107	1.180	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	3.933%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	5201	2.474	ug/l	93
11) Methyl Iodide	2.447	142	747	0.323	ug/l	97
15) Acetone	2.392	58	4630	15.067	ug/l	86
18) Methylene Chloride	2.788	84	999	0.491	ug/l #	93
25) Chloroform	5.099	83	8139	2.530	ug/l	100
41) Bromodichloromethane	7.824	83	14301	6.614	ug/l	99
53) Dibromochloromethane	9.525	129	25083	13.061	ug/l	98
56) Bromoform	10.799	173	11233	7.173	ug/l	99

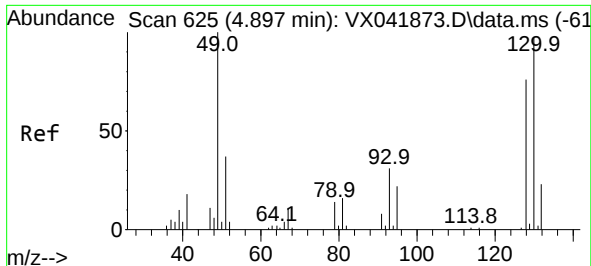
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jun 15 04:02:59 2024
Response via : Initial Calibration

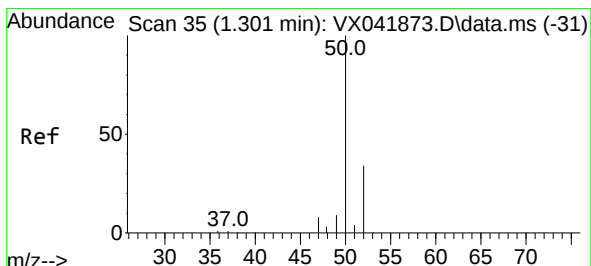
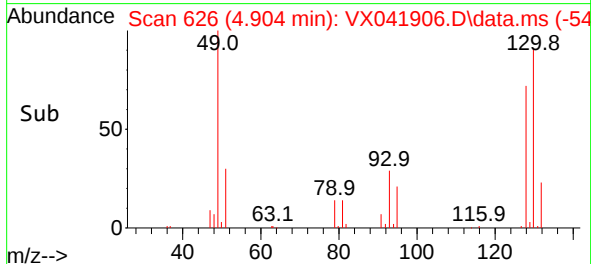
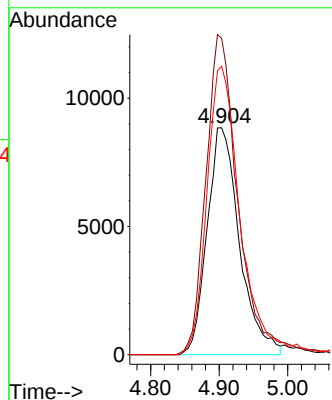
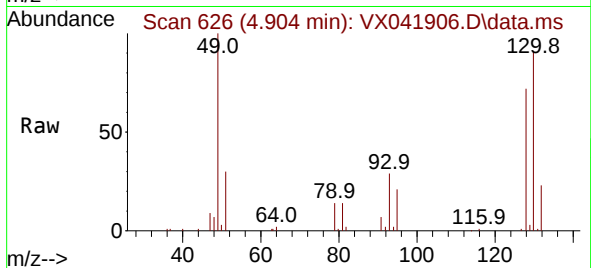




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX041906.D
Acq: 17 Jun 2024 13:47

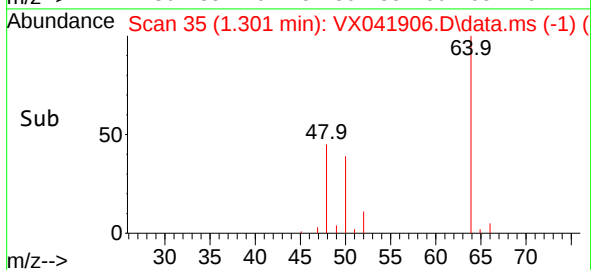
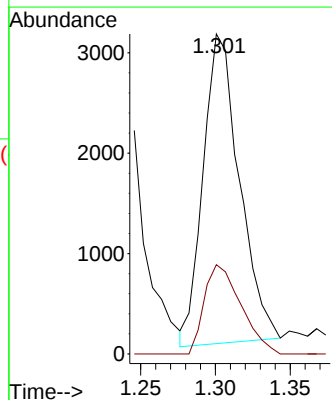
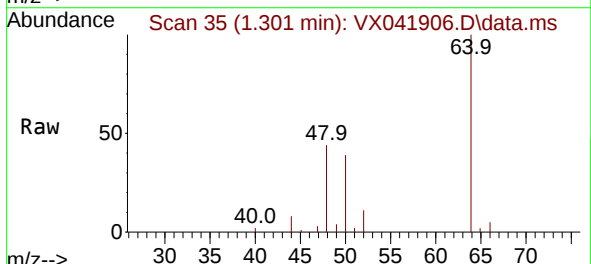
Instrument :
MSVOA_X
ClientSampleId :
240607022-01RE

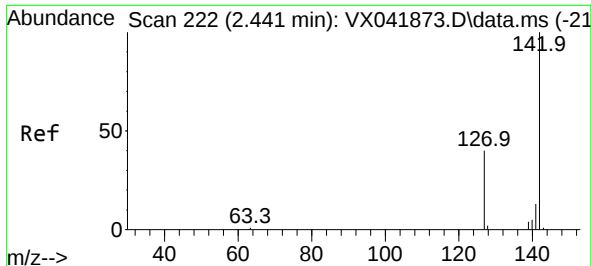
Tgt Ion:128 Resp: 29047
Ion Ratio Lower Upper
128 100
49 139.8 0.0 338.5
130 129.0 0.0 324.5



#3
Chloromethane
Concen: 2.474 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX041906.D
Acq: 17 Jun 2024 13:47

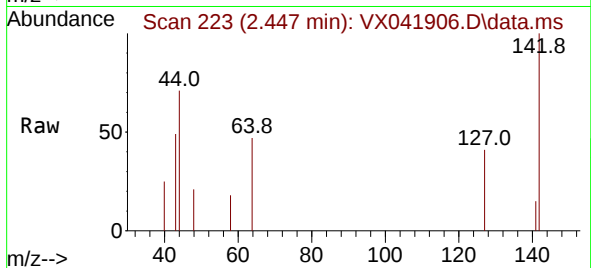
Tgt Ion: 50 Resp: 5201
Ion Ratio Lower Upper
50 100
52 29.4 26.9 40.3



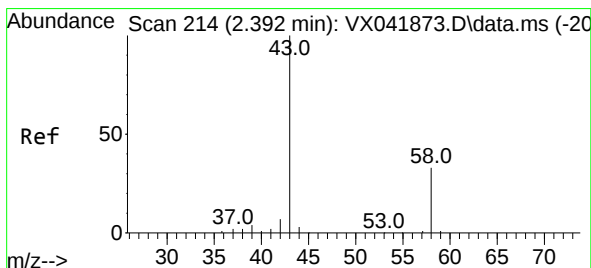
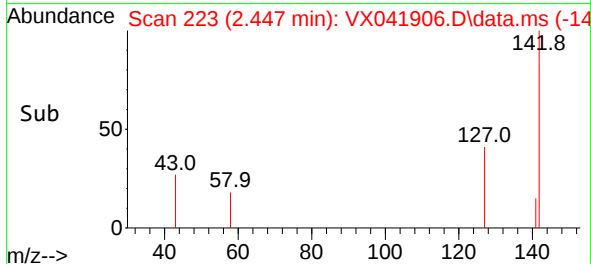
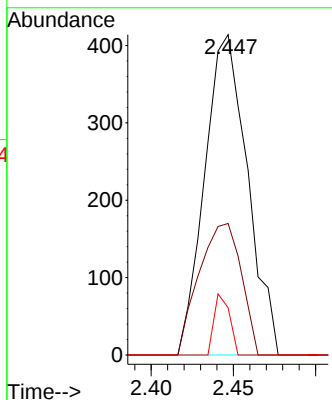


#11
Methyl Iodide
Concen: 0.323 ug/l
RT: 2.447 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX041906.D
Acq: 17 Jun 2024 13:47

Instrument :
MSVOA_X
ClientSampleId :
240607022-01RE

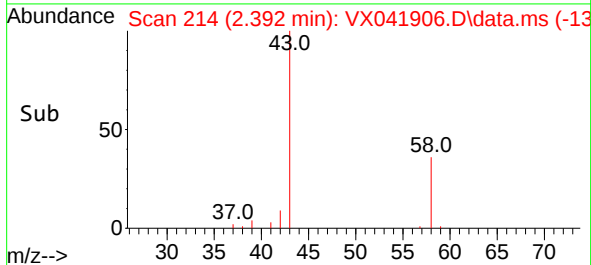
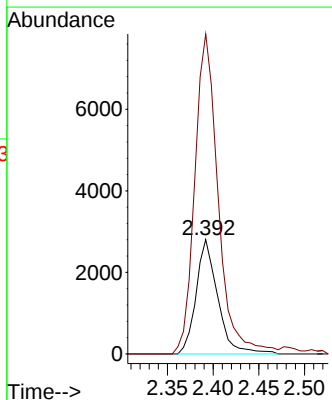
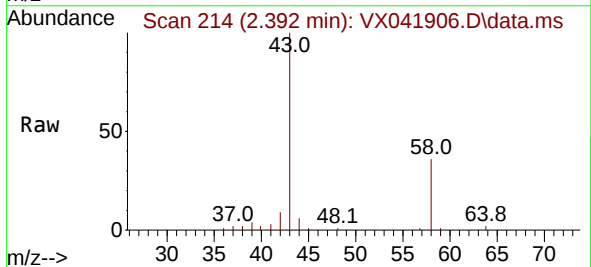


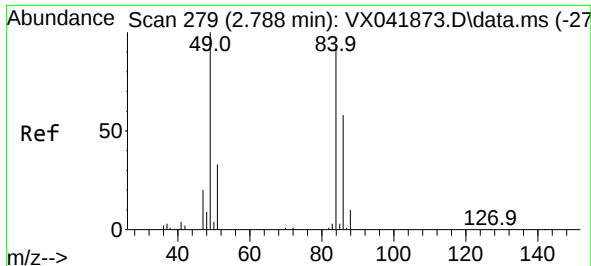
Tgt Ion:142 Resp: 747
Ion Ratio Lower Upper
142 100
127 41.1 19.8 59.3
141 14.7 6.7 20.1



#15
Acetone
Concen: 15.067 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX041906.D
Acq: 17 Jun 2024 13:47

Tgt Ion: 58 Resp: 4630
Ion Ratio Lower Upper
58 100
43 276.0 243.4 365.2

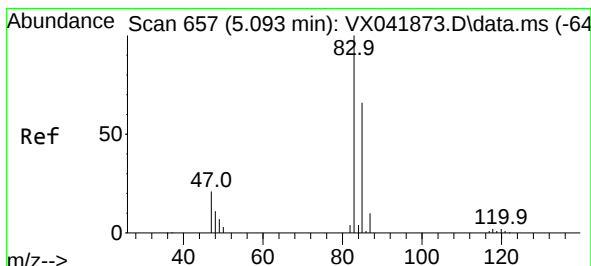
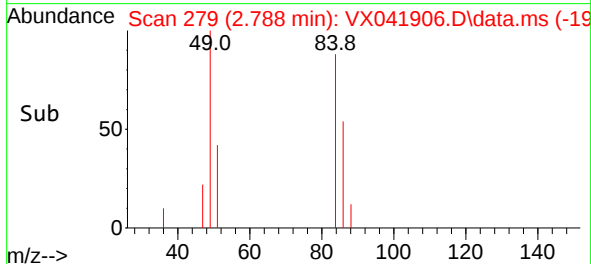
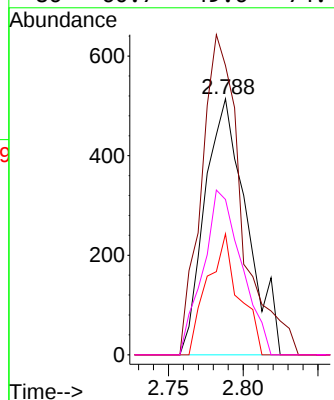
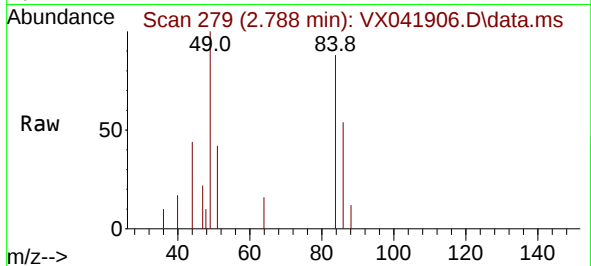




#18
Methylene Chloride
Concen: 0.491 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX041906.D
Acq: 17 Jun 2024 13:47

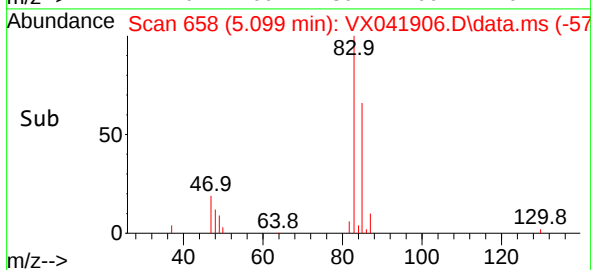
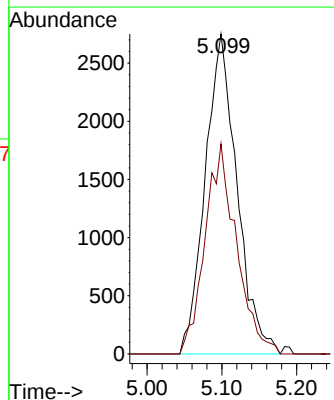
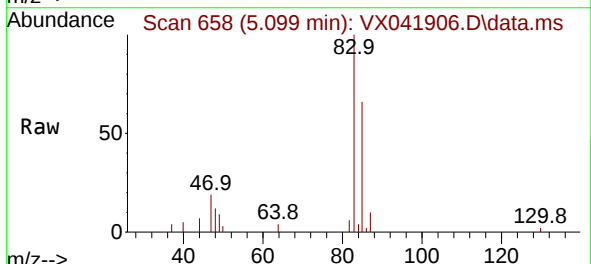
Instrument :
MSVOA_X
ClientSampleId :
240607022-01RE

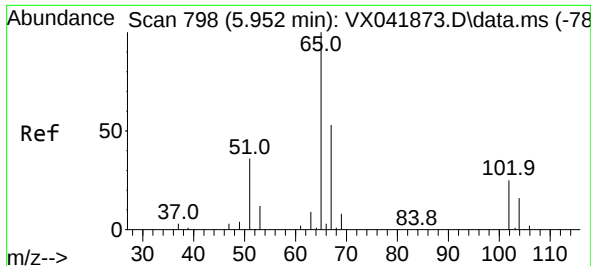
Tgt Ion:	84	Resp:	999
Ion	Ratio	Lower	Upper
84	100		
49	113.0	85.3	127.9
51	47.3	28.5	42.7#
86	60.7	49.6	74.4



#25
Chloroform
Concen: 2.530 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.006 min
Lab File: VX041906.D
Acq: 17 Jun 2024 13:47

Tgt Ion:	83	Resp:	8139
Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.7	79.1

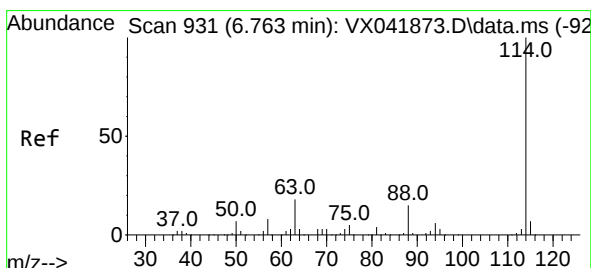
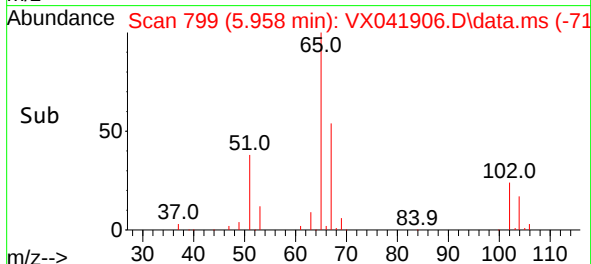
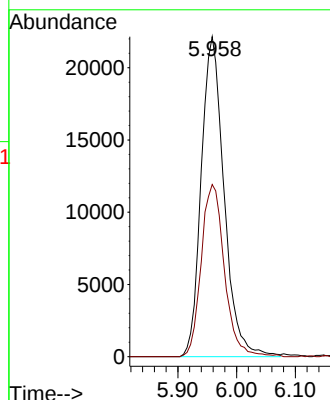
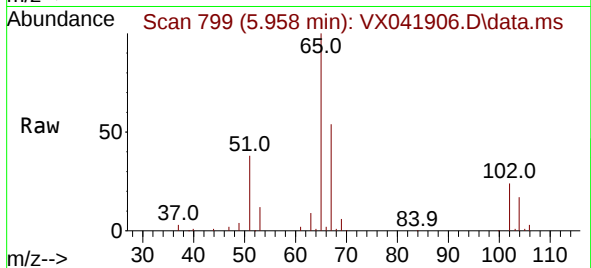




#27
 1,2-Dichloroethane-d4
 Concen: 29.917 ug/l
 RT: 5.958 min Scan# 798
 Delta R.T. 0.006 min
 Lab File: VX041906.D
 Acq: 17 Jun 2024 13:47

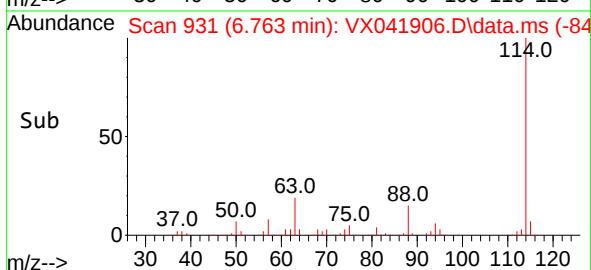
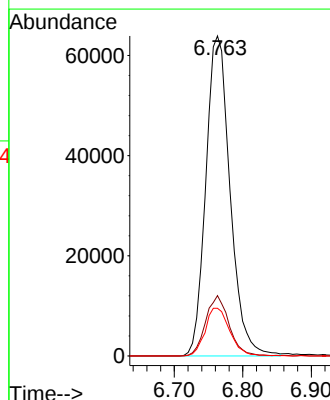
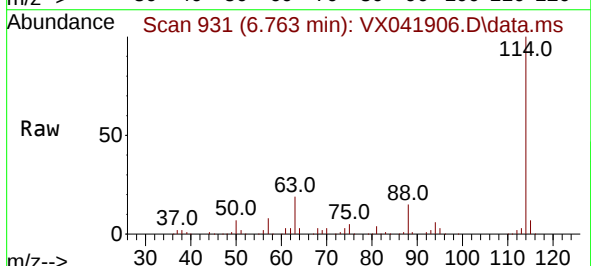
Instrument :
 MSVOA_X
 ClientSampleId :
 240607022-01RE

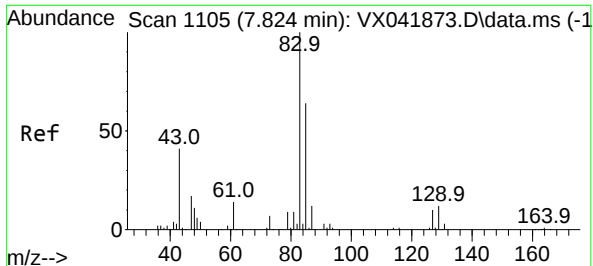
Tgt Ion: 65 Resp: 59822
 Ion Ratio Lower Upper
 65 100
 67 54.5 43.4 65.0



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX041906.D
 Acq: 17 Jun 2024 13:47

Tgt Ion: 114 Resp: 157529
 Ion Ratio Lower Upper
 114 100
 63 18.2 14.6 21.8
 88 15.1 11.8 17.8

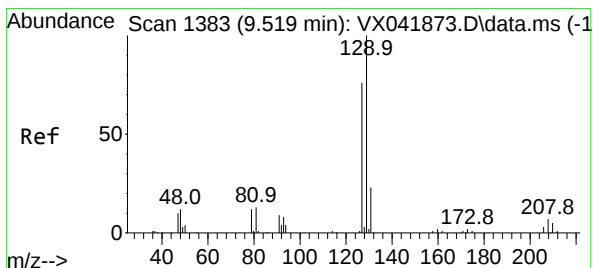
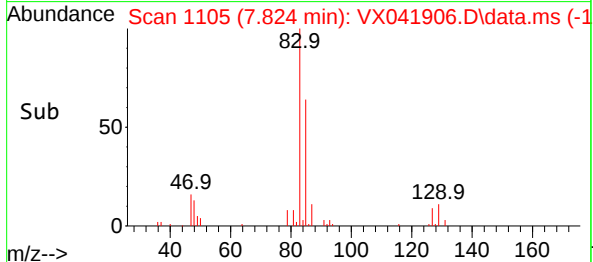
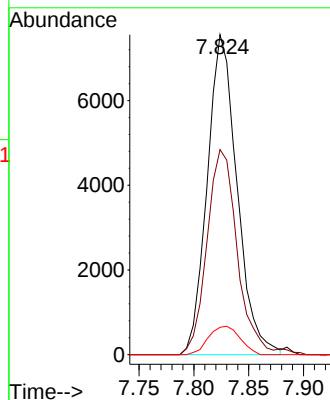
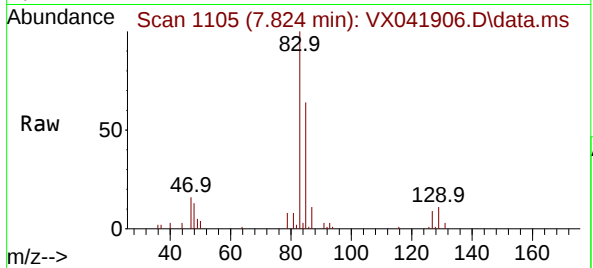




#41
Bromodichloromethane
Concen: 6.614 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VX041906.D
Acq: 17 Jun 2024 13:47

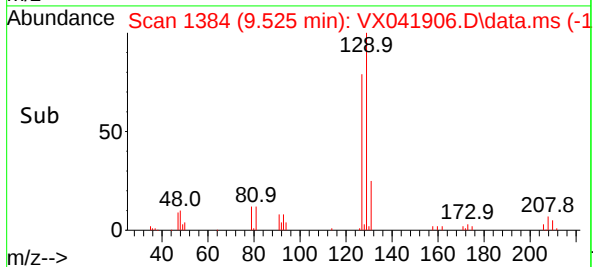
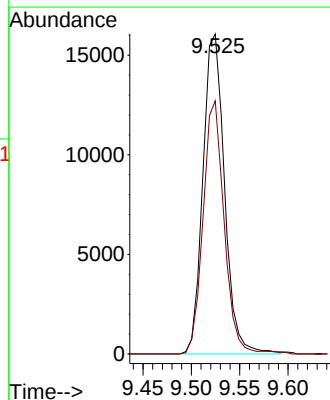
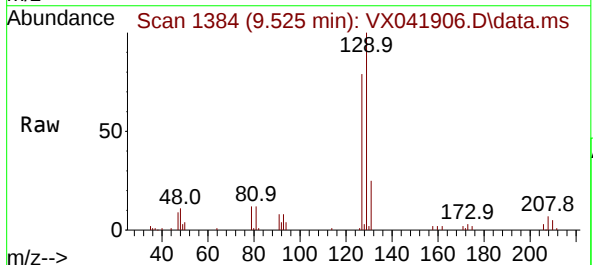
Instrument :
MSVOA_X
ClientSampleId :
240607022-01RE

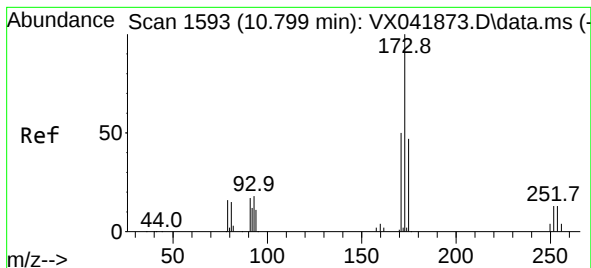
Tgt Ion: 83 Resp: 14301
Ion Ratio Lower Upper
83 100
85 64.1 51.1 76.7
127 8.6 8.1 12.1



#53
Dibromochloromethane
Concen: 13.061 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VX041906.D
Acq: 17 Jun 2024 13:47

Tgt Ion: 129 Resp: 25083
Ion Ratio Lower Upper
129 100
127 76.2 38.8 116.4





#56

Bromoform

Concen: 7.173 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX041906.D

Acq: 17 Jun 2024 13:47

Instrument :

MSVOA_X

ClientSampleId :

240607022-01RE

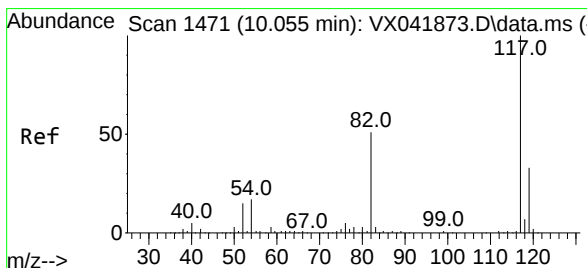
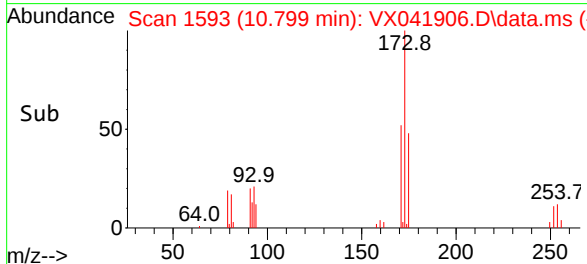
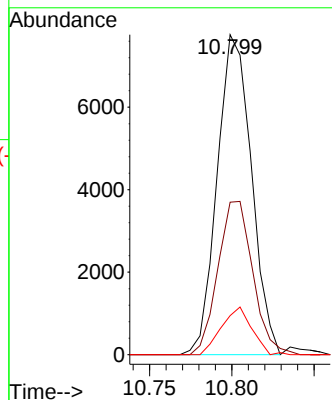
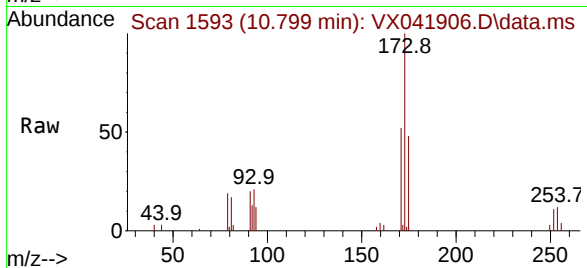
Tgt Ion:173 Resp: 11233

Ion Ratio Lower Upper

173 100

175 48.8 39.3 58.9

254 13.0 9.6 14.4



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX041906.D

Acq: 17 Jun 2024 13:47

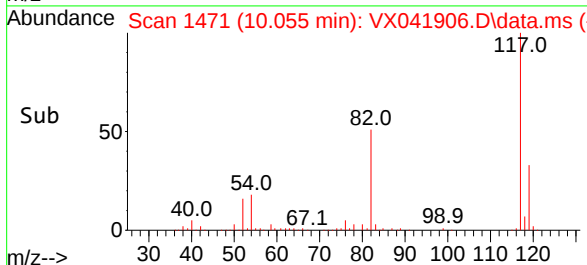
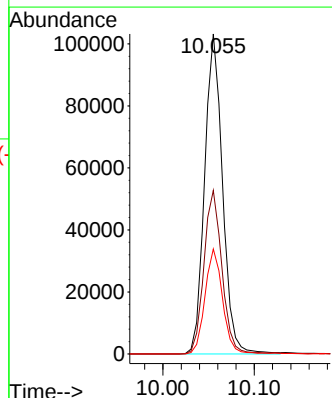
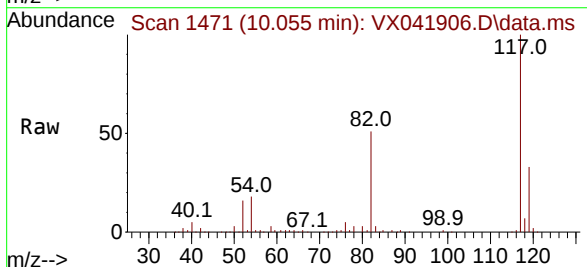
Tgt Ion:117 Resp: 140797

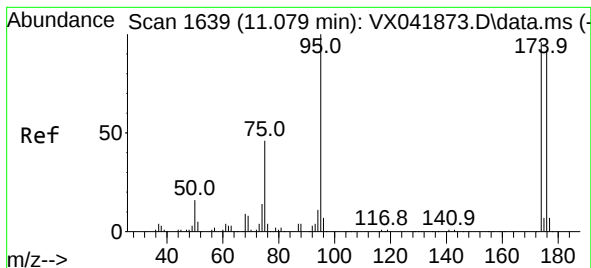
Ion Ratio Lower Upper

117 100

82 51.3 41.1 61.7

119 32.1 26.1 39.1

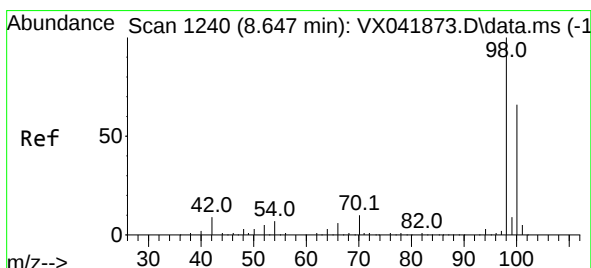
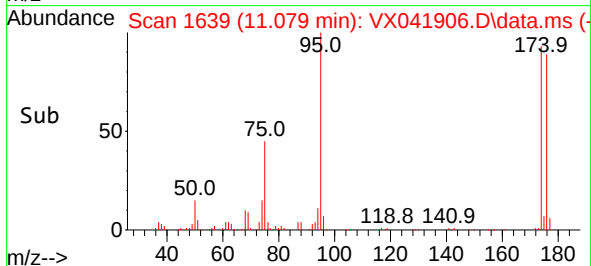
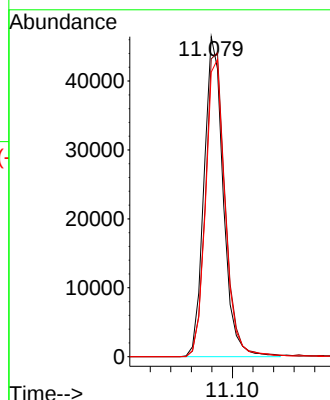
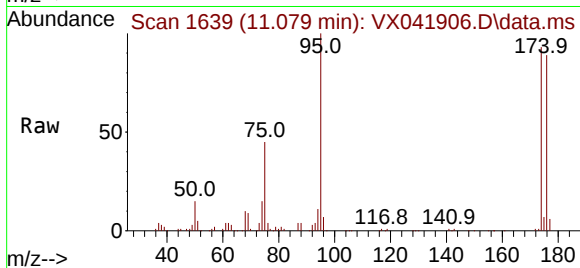




#60
4-Bromofluorobenzene
Concen: 27.599 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041906.D
Acq: 17 Jun 2024 13:47

Instrument :
MSVOA_X
ClientSampleId :
240607022-01RE

Tgt Ion: 95 Resp: 60149
Ion Ratio Lower Upper
95 100
174 98.1 78.9 118.3
176 94.6 77.1 115.7



#63
Toluene-d8
Concen: 1.180 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX041906.D
Acq: 17 Jun 2024 13:47

Tgt Ion: 98 Resp: 7107
Ion Ratio Lower Upper
98 100
100 64.8 52.7 79.1

