

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062424\
 Data File : VX042012.D
 Acq On : 24 Jun 2024 18:14
 Operator : JC/MD
 Sample : P3029-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 25 06:46:07 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)

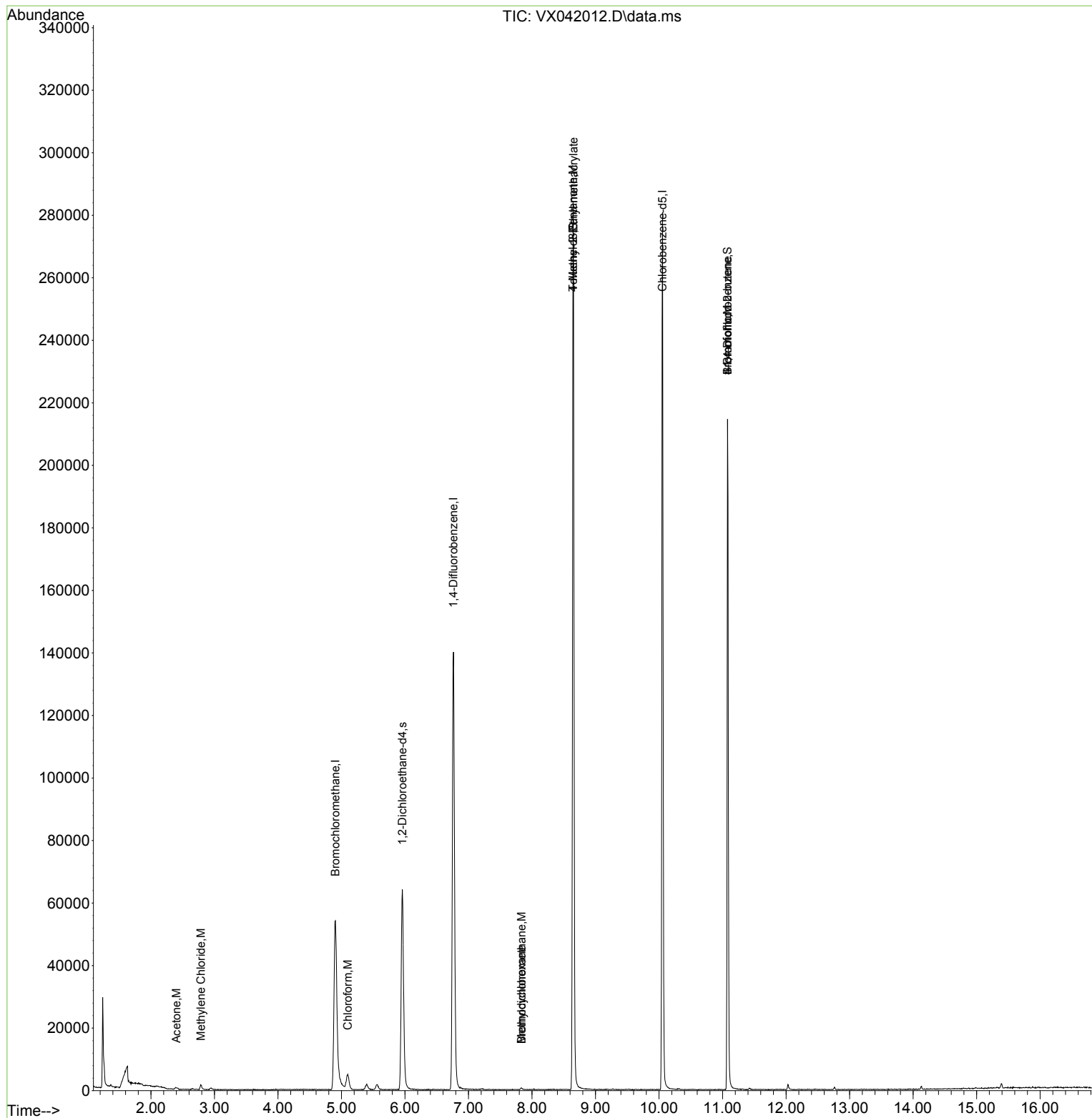
Internal Standards						
1) Bromochloromethane	4.904	128	28488	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	155739	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	139721	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	61351	31.284	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 104.267%	
60) 4-Bromofluorobenzene	11.079	95	56970	26.341	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 87.800%	
63) Toluene-d8	8.647	98	179555	30.037	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 100.133%	
Target Compounds						
					Qvalue	
15) Acetone	2.398	58	174	0.577	ug/l #	18
18) Methylene Chloride	2.788	84	842	0.422	ug/l	89
25) Chloroform	5.099	83	6433	2.039	ug/l	89
38) Methylcyclohexane	7.836	83	564	0.209	ug/l #	18
41) Bromodichloromethane	7.836	83	583	0.273	ug/l #	93
51) Ethyl methacrylate	8.653	69	605	0.220	ug/l	88
56) Bromoform	11.079	173	408	0.264	ug/l #	1
58) 4-Methyl-2-Pentanone	8.647	43	649	0.259	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	25705	31.804	ug/l #	7

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

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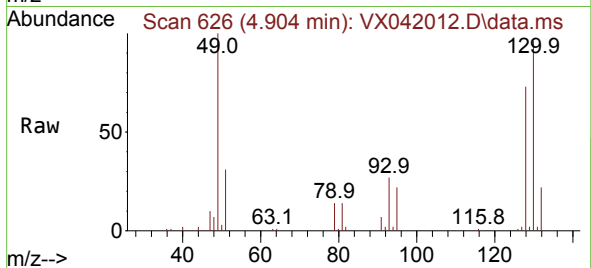
Quant Time: Jun 25 06:46:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jun 15 04:02:59 2024
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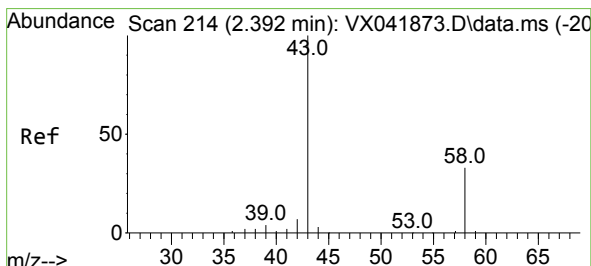
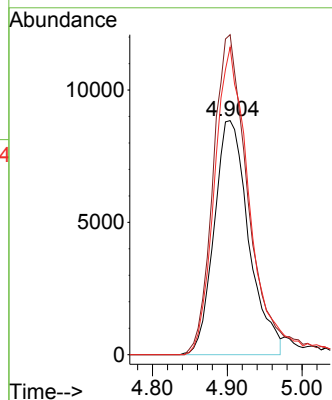
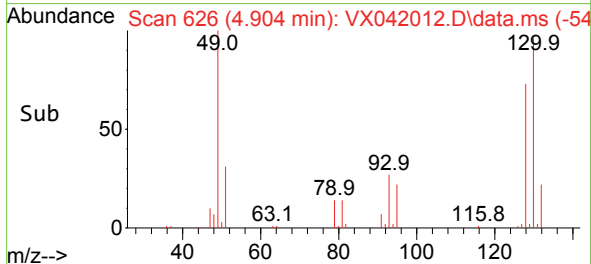


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX042012.D
Acq: 24 Jun 2024 18:14

Instrument :
MSVOA_X
ClientSampleId :

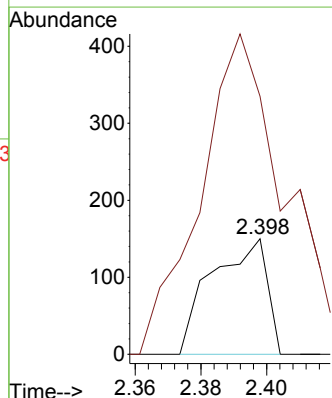
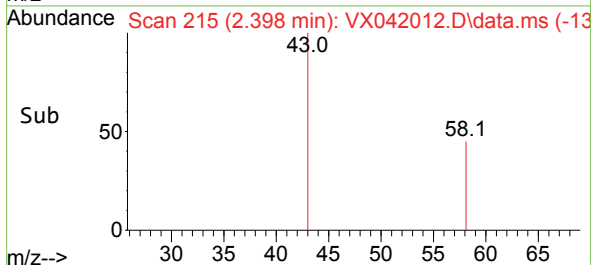
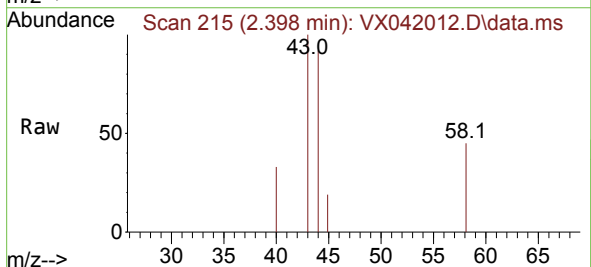


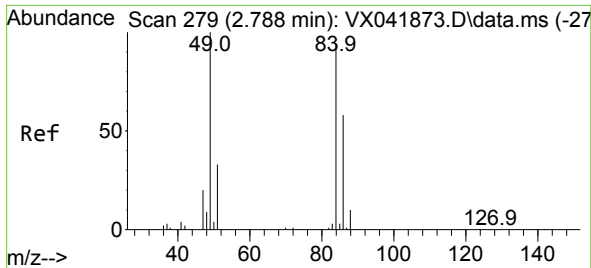
Tgt Ion:128 Resp: 28488
Ion Ratio Lower Upper
128 100
49 139.6 0.0 338.5
130 132.1 0.0 324.5



#15
Acetone
Concen: 0.577 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX042012.D
Acq: 24 Jun 2024 18:14

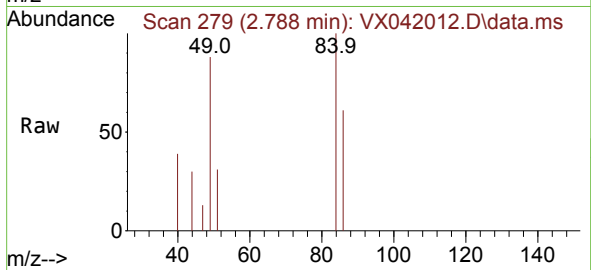
Tgt Ion: 58 Resp: 174
Ion Ratio Lower Upper
58 100
43 141.3 243.4 365.2#



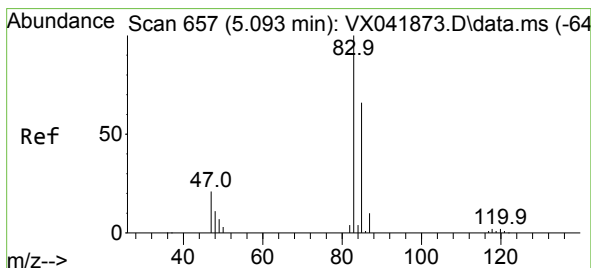
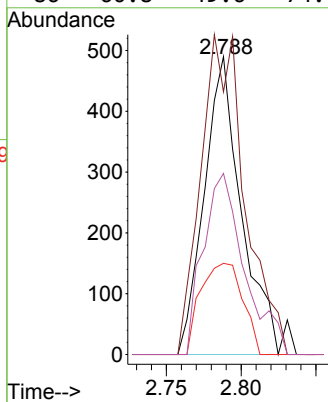
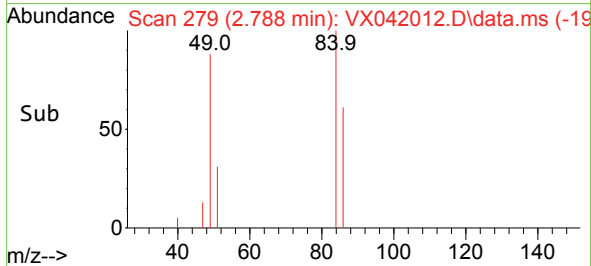


#18
Methylene Chloride
Concen: 0.422 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX042012.D
Acq: 24 Jun 2024 18:14

Instrument :
MSVOA_X
ClientSampleId :

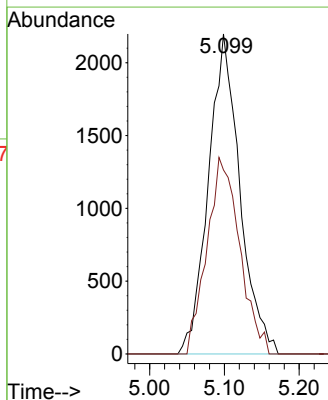
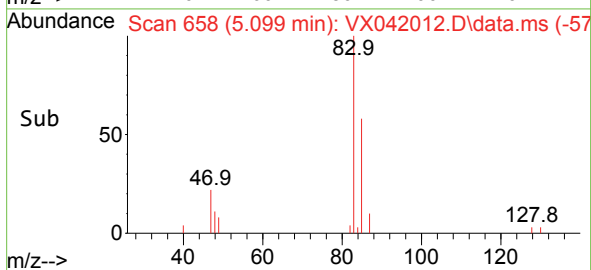
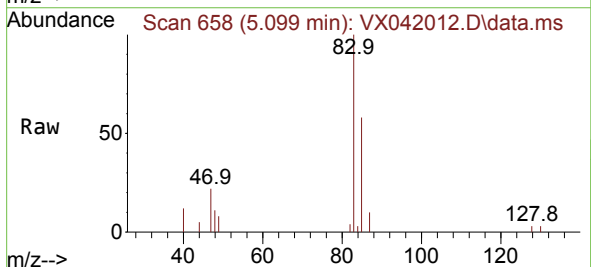


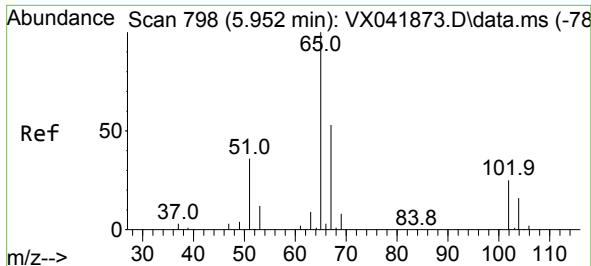
Tgt Ion:	84	Resp:	842
Ion	Ratio	Lower	Upper
84	100		
49	88.2	85.3	127.9
51	30.6	28.5	42.7
86	60.8	49.6	74.4



#25
Chloroform
Concen: 2.039 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.006 min
Lab File: VX042012.D
Acq: 24 Jun 2024 18:14

Tgt Ion:	83	Resp:	6433
Ion	Ratio	Lower	Upper
83	100		
85	57.5	52.7	79.1





#27

1,2-Dichloroethane-d4

Concen: 31.284 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX042012.D

Acq: 24 Jun 2024 18:14

Instrument :

MSVOA_X

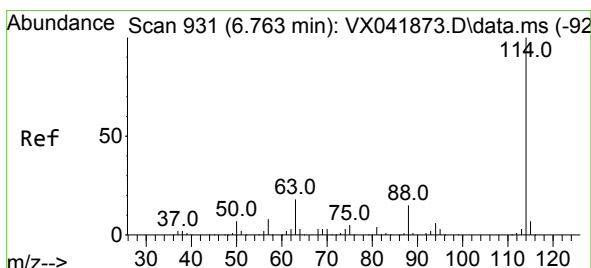
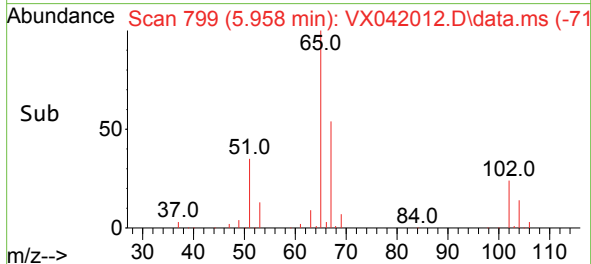
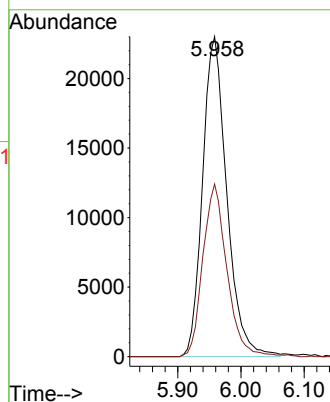
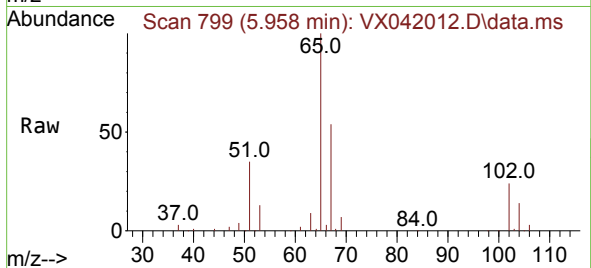
ClientSampleId :

Tgt Ion: 65 Resp: 61351

Ion Ratio Lower Upper

65 100

67 53.5 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: VX042012.D

Acq: 24 Jun 2024 18:14

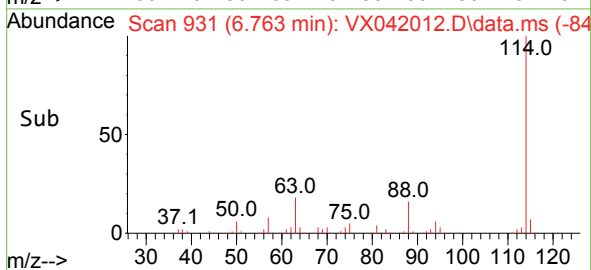
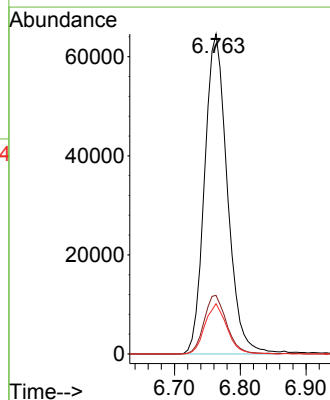
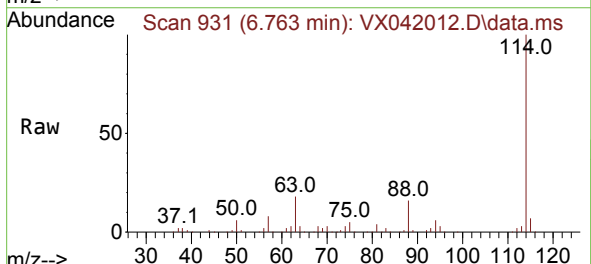
Tgt Ion:114 Resp: 155739

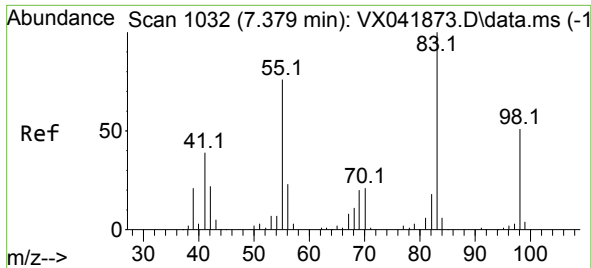
Ion Ratio Lower Upper

114 100

63 18.1 14.6 21.8

88 15.1 11.8 17.8

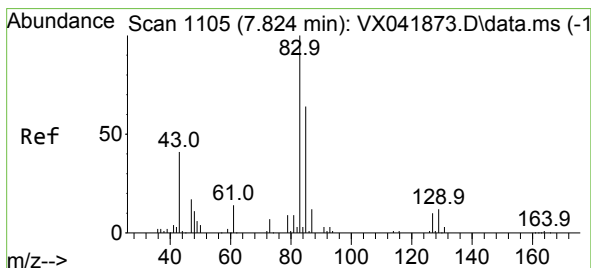
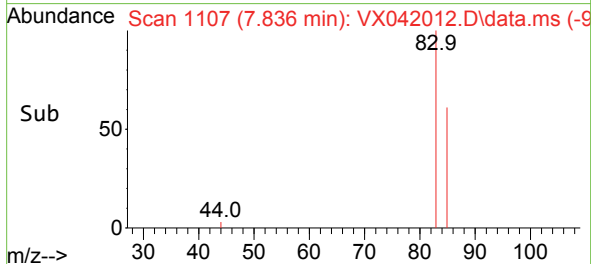
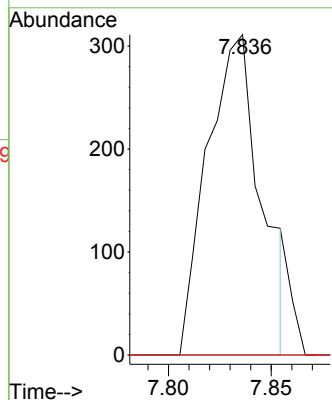
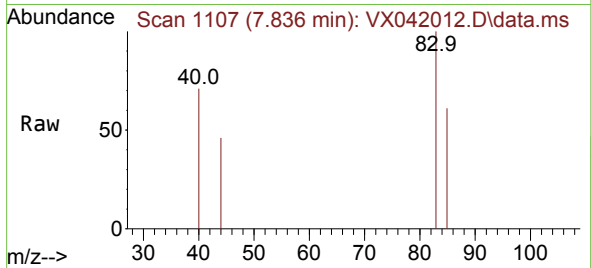




#38
Methylcyclohexane
Concen: 0.209 ug/l
RT: 7.836 min Scan# 1107
Delta R.T. 0.457 min
Lab File: VX042012.D
Acq: 24 Jun 2024 18:14

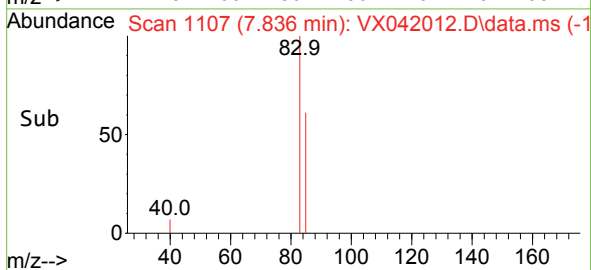
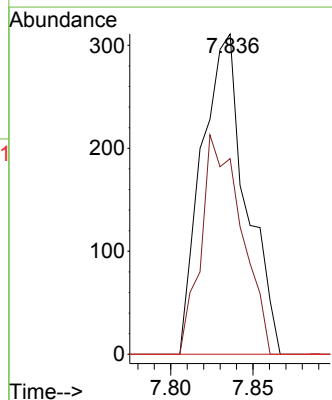
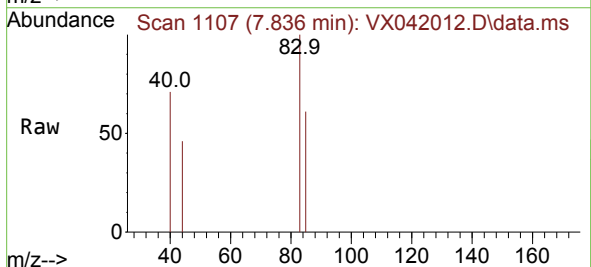
Instrument :
MSVOA_X
ClientSampleId :

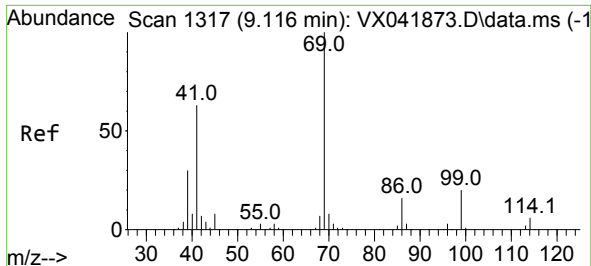
Tgt Ion: 83 Resp: 564
Ion Ratio Lower Upper
83 100
55 0.0 37.3 111.9#
98 0.0 24.8 74.4#



#41
Bromodichloromethane
Concen: 0.273 ug/l
RT: 7.836 min Scan# 1107
Delta R.T. 0.012 min
Lab File: VX042012.D
Acq: 24 Jun 2024 18:14

Tgt Ion: 83 Resp: 583
Ion Ratio Lower Upper
83 100
85 61.1 51.1 76.7
127 0.0 8.1 12.1#

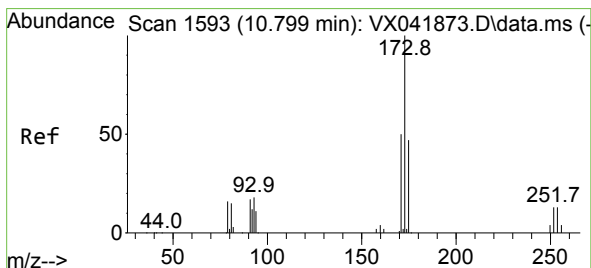
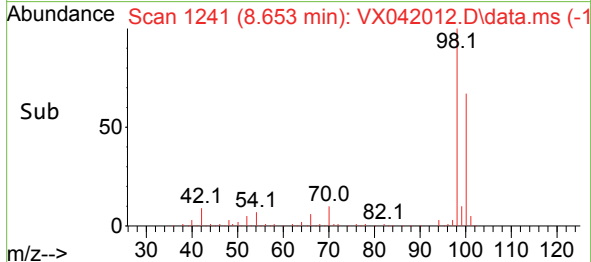
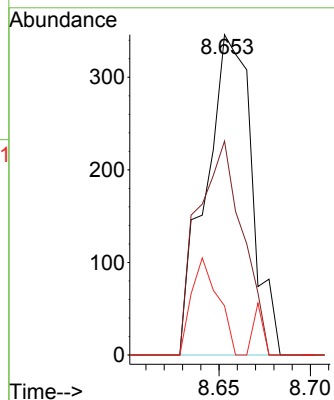
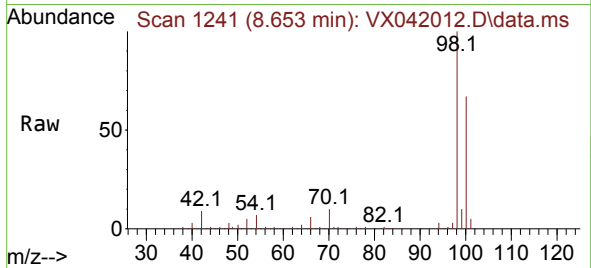




#51
Ethyl methacrylate
Concen: 0.220 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.463 min
Lab File: VX042012.D
Acq: 24 Jun 2024 18:14

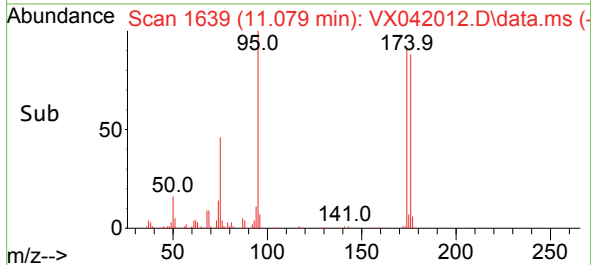
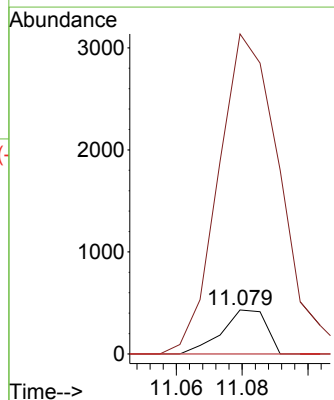
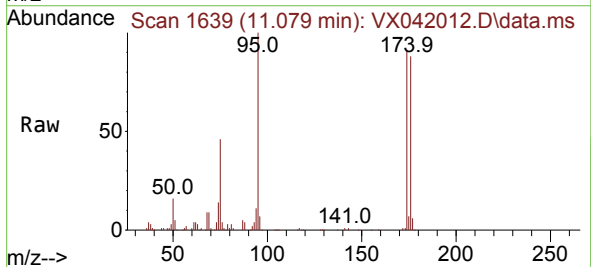
Instrument :
MSVOA_X
ClientSampleId :

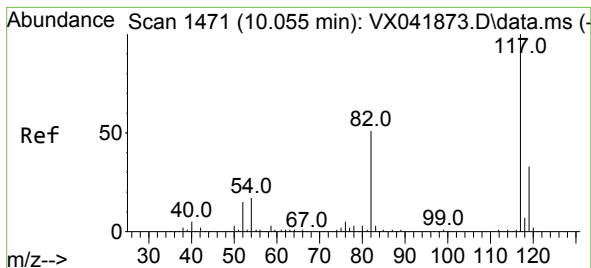
Tgt Ion: 69 Resp: 605
Ion Ratio Lower Upper
69 100
41 66.8 31.6 94.7
39 15.3 15.3 45.8



#56
Bromoform
Concen: 0.264 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.281 min
Lab File: VX042012.D
Acq: 24 Jun 2024 18:14

Tgt Ion: 173 Resp: 408
Ion Ratio Lower Upper
173 100
175 1007.8 39.3 58.9#
254 0.0 9.6 14.4#

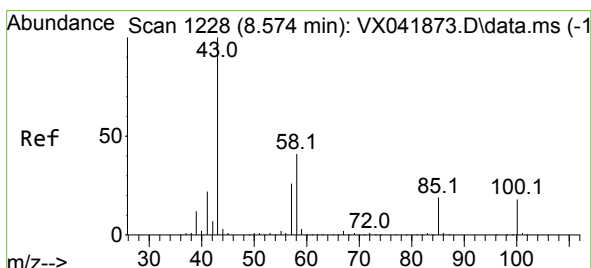
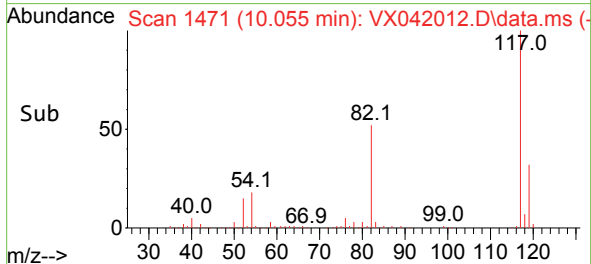
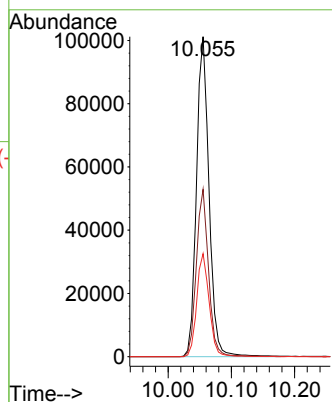
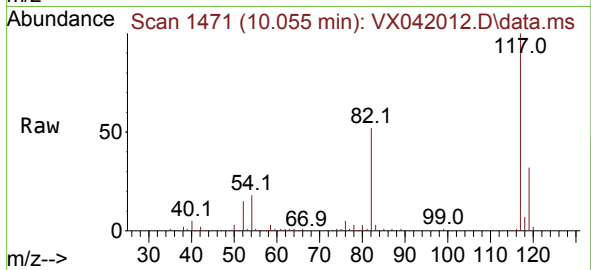




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX042012.D
Acq: 24 Jun 2024 18:14

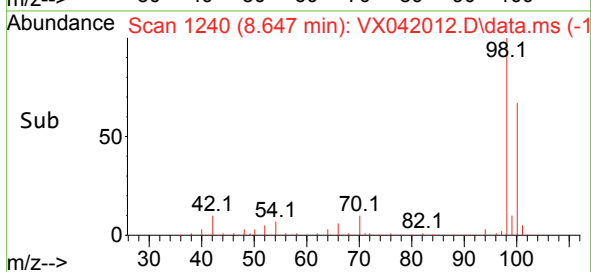
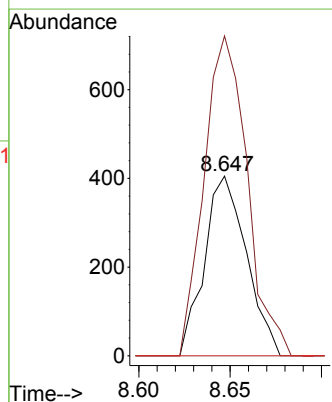
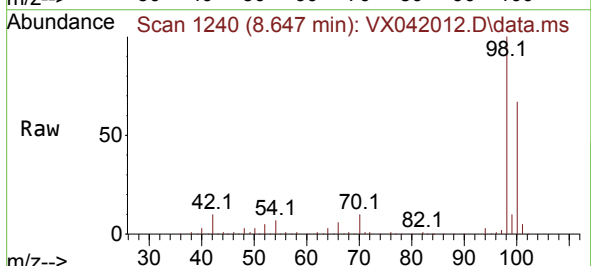
Instrument :
MSVOA_X
ClientSampleId :

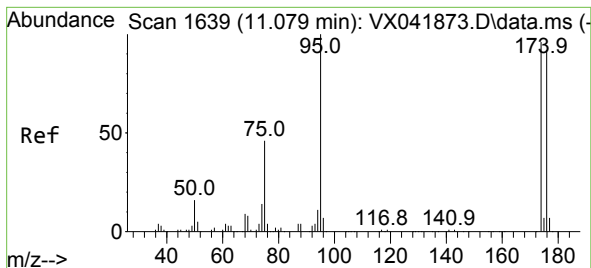
Tgt Ion:117 Resp: 139721
Ion Ratio Lower Upper
117 100
82 51.0 41.1 61.7
119 31.8 26.1 39.1



#58
4-Methyl-2-Pentanone
Concen: 0.259 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX042012.D
Acq: 24 Jun 2024 18:14

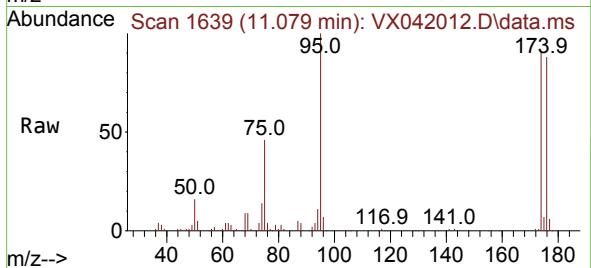
Tgt Ion: 43 Resp: 649
Ion Ratio Lower Upper
43 100
58 182.0 33.2 49.8#
85 0.0 15.5 23.3#



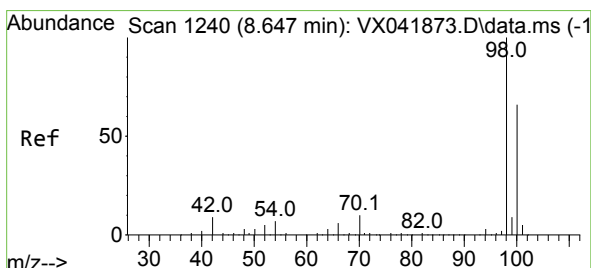
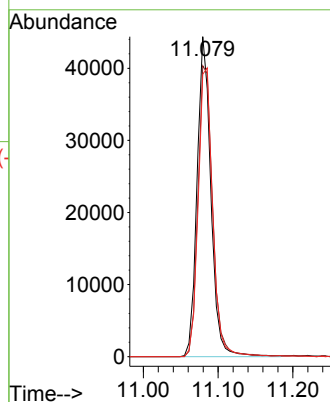
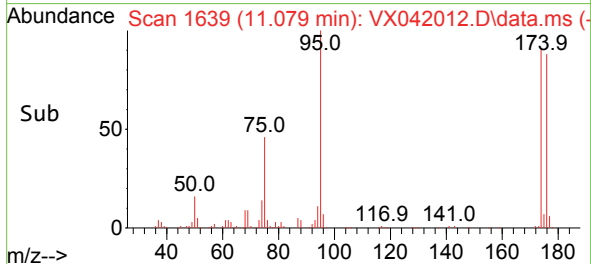


#60
4-Bromofluorobenzene
Concen: 26.341 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX042012.D
Acq: 24 Jun 2024 18:14

Instrument :
MSVOA_X
ClientSampleId :

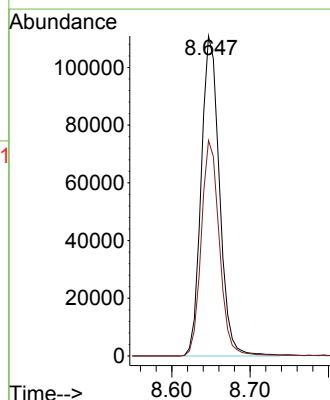
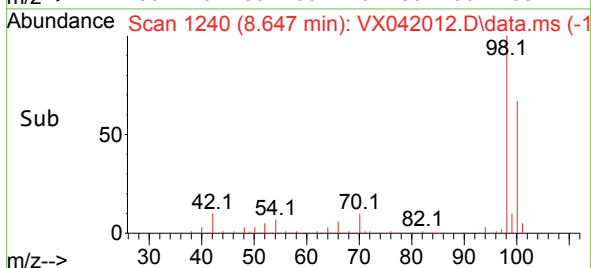
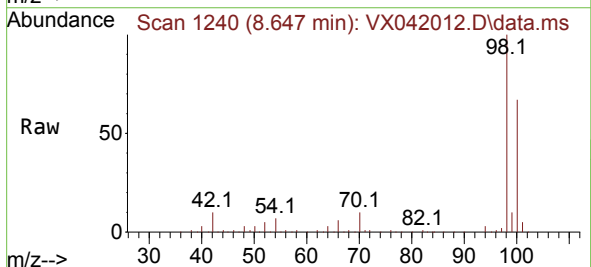


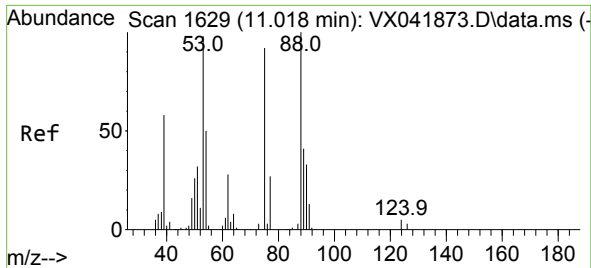
Tgt Ion: 95 Resp: 56970
Ion Ratio Lower Upper
95 100
174 96.1 78.9 118.3
176 94.4 77.1 115.7



#63
Toluene-d8
Concen: 30.037 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX042012.D
Acq: 24 Jun 2024 18:14

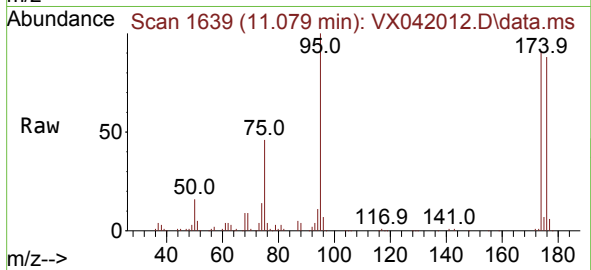
Tgt Ion: 98 Resp: 179555
Ion Ratio Lower Upper
98 100
100 66.6 52.7 79.1





#77
 t-1,4-Dichloro-2-butene
 Concen: 31.804 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX042012.D
 Acq: 24 Jun 2024 18:14

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 25705
 Ion Ratio Lower Upper
 75 100
 53 0.0 53.4 160.2#
 89 0.0 22.5 67.5#

