

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060724\
 Data File : VX041784.D
 Acq On : 07 Jun 2024 12:41
 Operator : JC/MD
 Sample : P2699-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 08 04:04:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 16 05:13:13 2024
 Response via : Initial Calibration

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

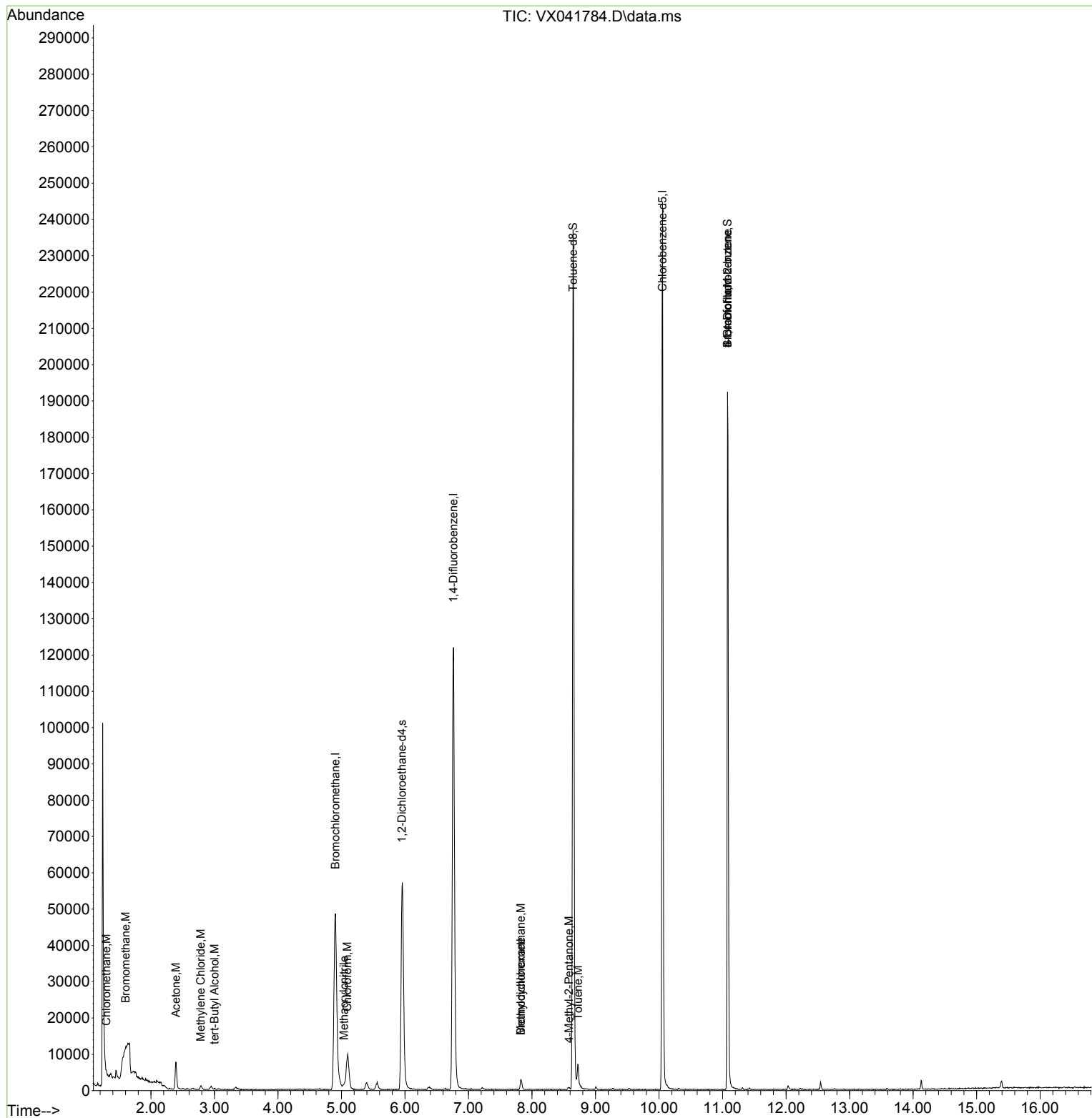
Internal Standards						
1) Bromochloromethane	4.904	128	23421	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	130604	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	115644	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	58345	31.634	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.433%
60) 4-Bromofluorobenzene	11.079	95	50512	27.980	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.267%
63) Toluene-d8	8.647	98	145663	29.384	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.933%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	601	0.448	ug/l #	87
5) Bromomethane	1.599	94	370	0.412	ug/l	91
15) Acetone	2.392	58	2654	12.484	ug/l	93
18) Methylene Chloride	2.782	84	523	0.367	ug/l #	73
23) tert-Butyl Alcohol	3.001	59	222	0.659	ug/l #	100
25) Chloroform	5.093	83	11697	4.379	ug/l	97
35) Methacrylonitrile	5.038	41	715	0.618	ug/l #	47
38) Methylcyclohexane	7.824	83	2008	0.915	ug/l #	18
41) Bromodichloromethane	7.824	83	2114	1.109	ug/l #	98
56) Bromoform	11.079	173	356	0.277	ug/l #	1
58) 4-Methyl-2-Pentanone	8.580	43	1180	0.558	ug/l #	44
62) Toluene	8.726	91	4562	0.793	ug/l	100
77) t-1,4-Dichloro-2-butene	11.079	75	25102	40.562	ug/l #	1

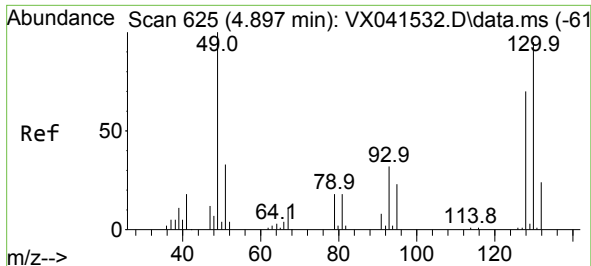
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060724\
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ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

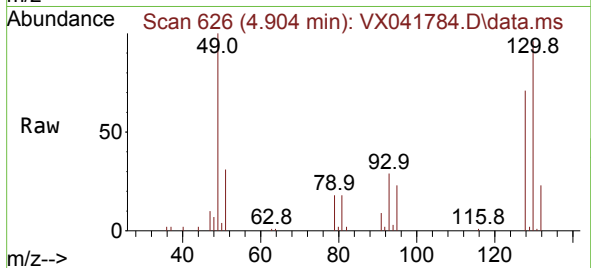
Quant Time: Jun 08 04:04:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 16 05:13:13 2024
Response via : Initial Calibration



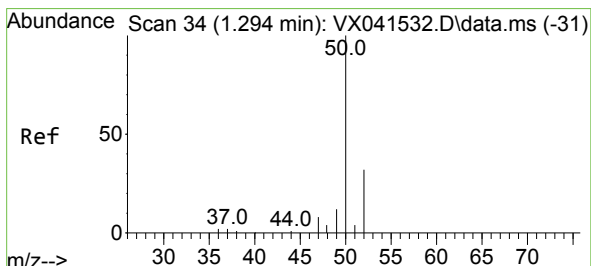
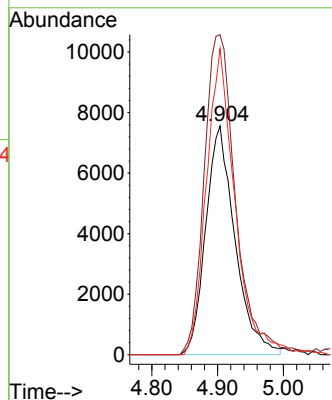
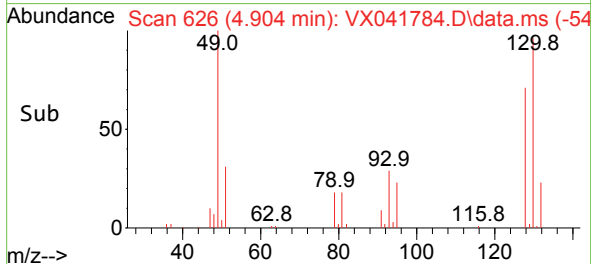


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX041784.D
Acq: 07 Jun 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :

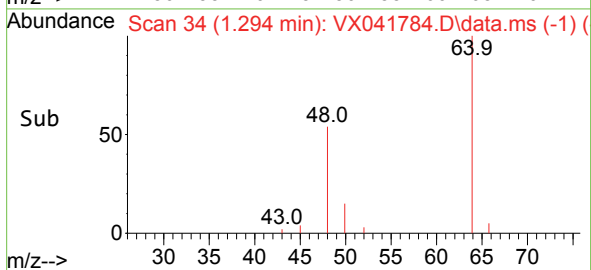
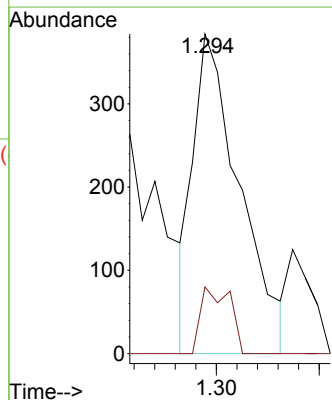
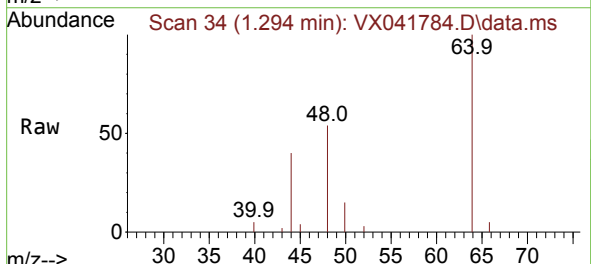


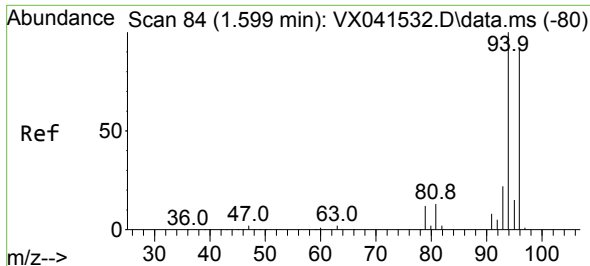
Tgt Ion:128 Resp: 23421
Ion Ratio Lower Upper
128 100
49 150.6 0.0 361.5
130 130.3 0.0 324.3



#3
Chloromethane
Concen: 0.448 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX041784.D
Acq: 07 Jun 2024 12:41

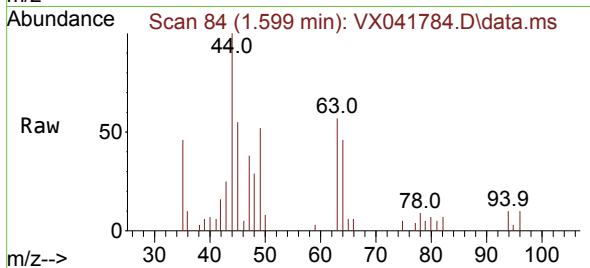
Tgt Ion: 50 Resp: 601
Ion Ratio Lower Upper
50 100
52 24.9 25.8 38.8#



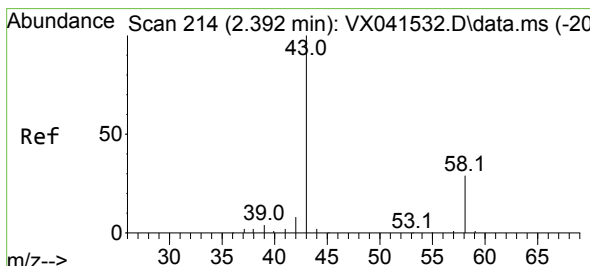
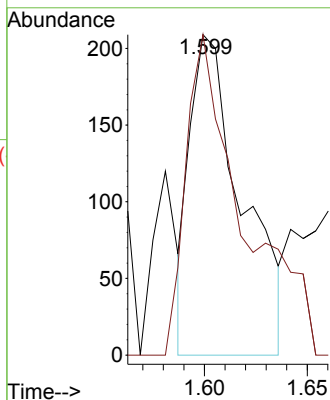
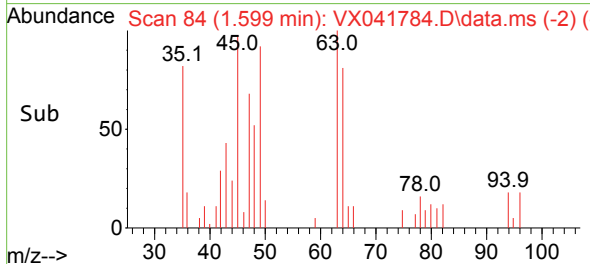


#5
Bromomethane
Concen: 0.412 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX041784.D
Acq: 07 Jun 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :

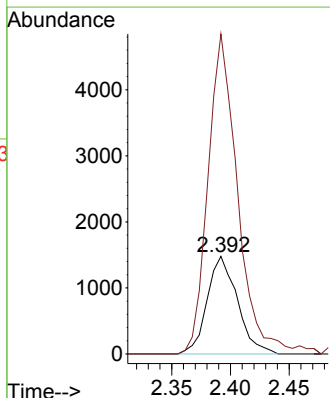
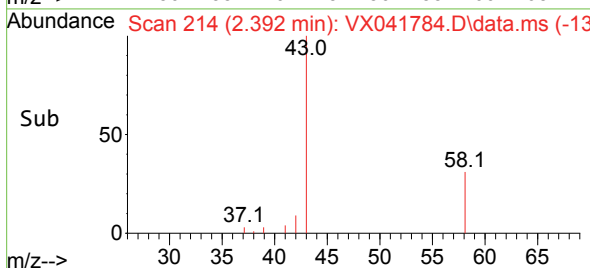
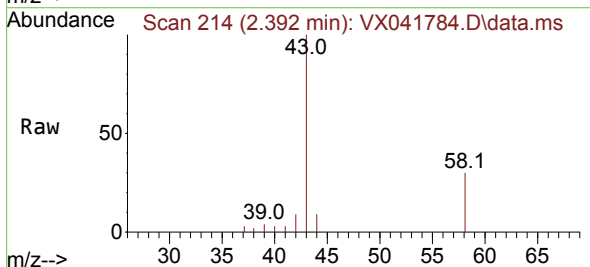


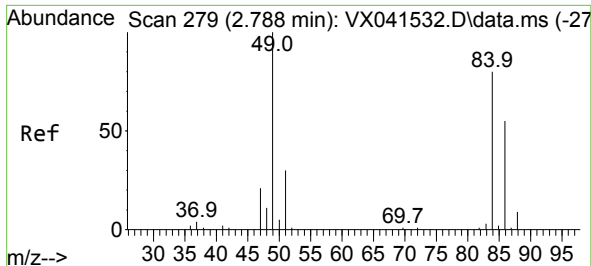
Tgt Ion: 94 Resp: 370
Ion Ratio Lower Upper
94 100
96 100.7 73.9 110.9



#15
Acetone
Concen: 12.484 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX041784.D
Acq: 07 Jun 2024 12:41

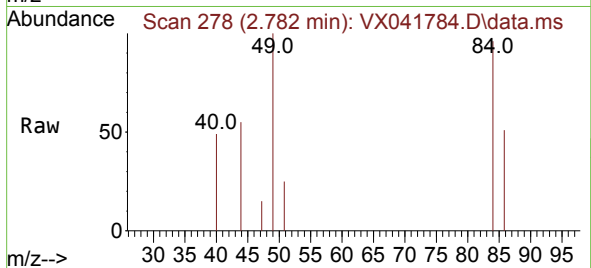
Tgt Ion: 58 Resp: 2654
Ion Ratio Lower Upper
58 100
43 328.0 274.0 411.0



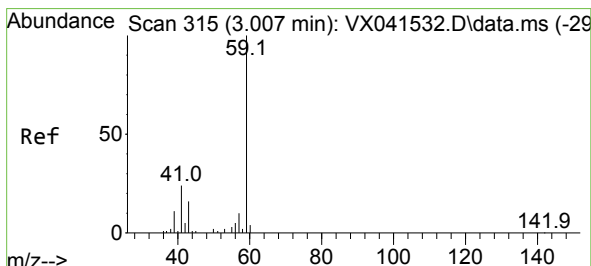
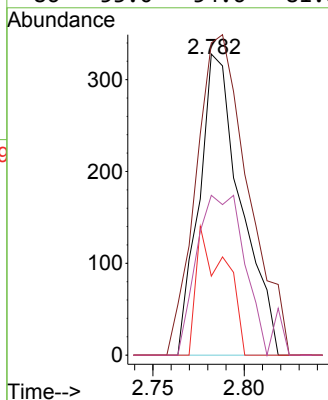
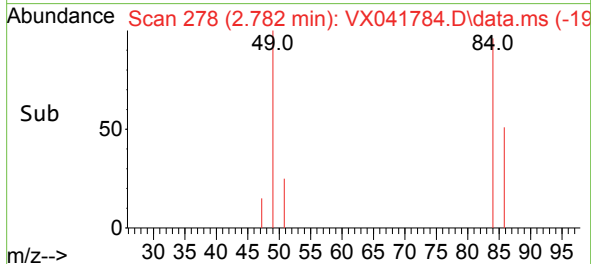


#18
Methylene Chloride
Concen: 0.367 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX041784.D
Acq: 07 Jun 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :

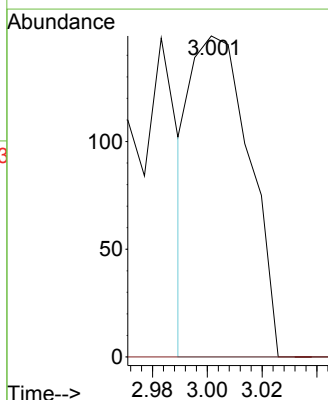
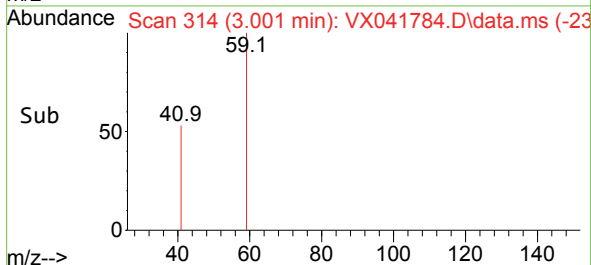
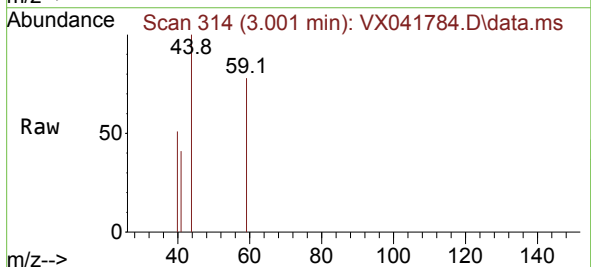


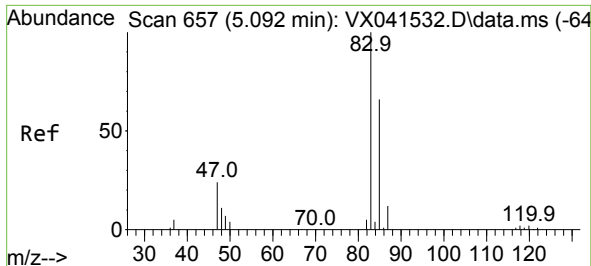
Tgt Ion:	84	Resp:	523
Ion	Ratio	Lower	Upper
84	100		
49	86.9	99.8	149.8#
51	26.2	30.2	45.4#
86	53.0	54.6	81.8#



#23
tert-Butyl Alcohol
Concen: 0.659 ug/l
RT: 3.001 min Scan# 314
Delta R.T. -0.006 min
Lab File: VX041784.D
Acq: 07 Jun 2024 12:41

Tgt Ion:	59	Resp:	222
Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

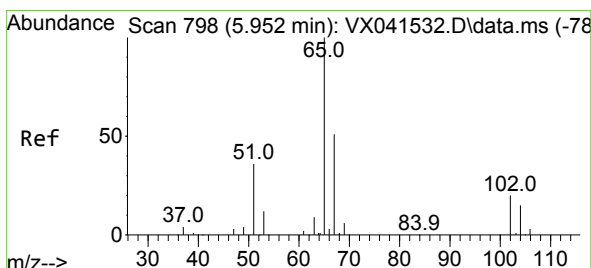
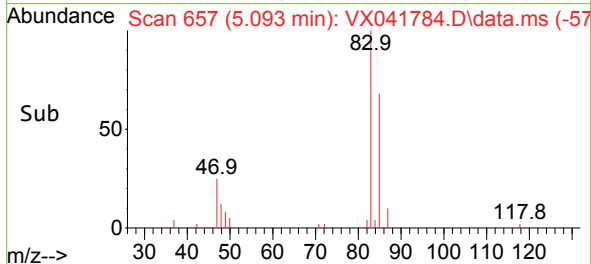
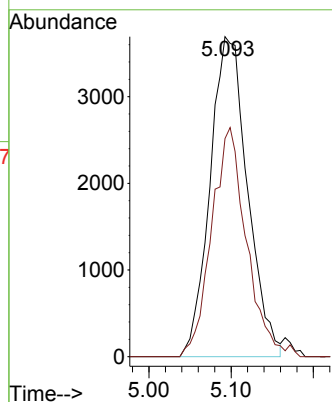
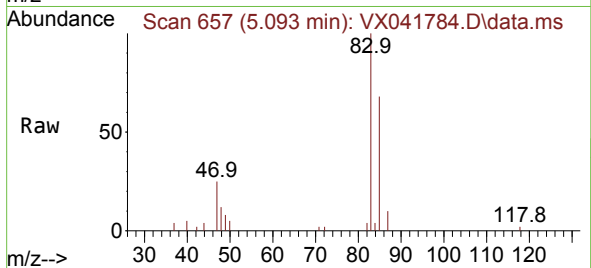




#25
Chloroform
Concen: 4.379 ug/l
RT: 5.093 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX041784.D
Acq: 07 Jun 2024 12:41

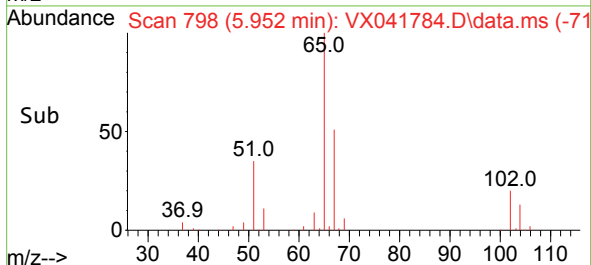
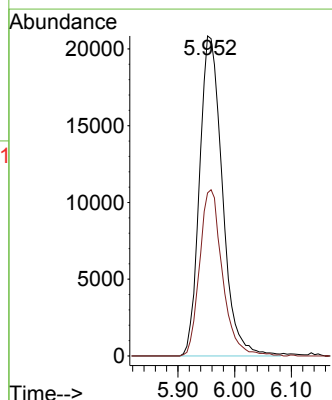
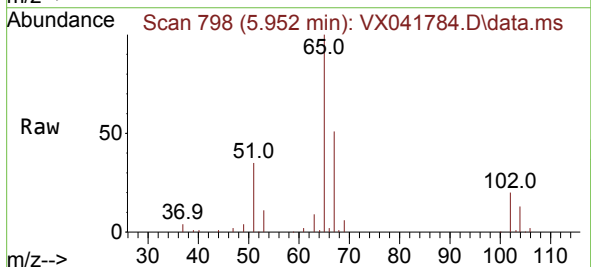
Instrument :
MSVOA_X
ClientSampleId :

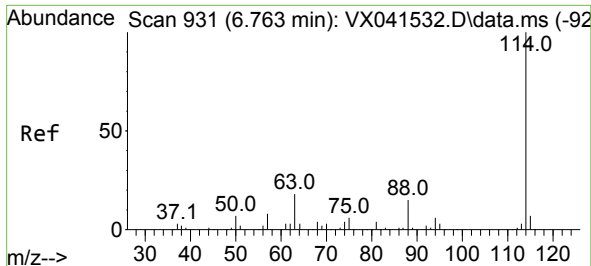
Tgt Ion: 83 Resp: 11697
Ion Ratio Lower Upper
83 100
85 68.1 52.9 79.3



#27
1,2-Dichloroethane-d4
Concen: 31.634 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX041784.D
Acq: 07 Jun 2024 12:41

Tgt Ion: 65 Resp: 58345
Ion Ratio Lower Upper
65 100
67 51.8 40.8 61.2

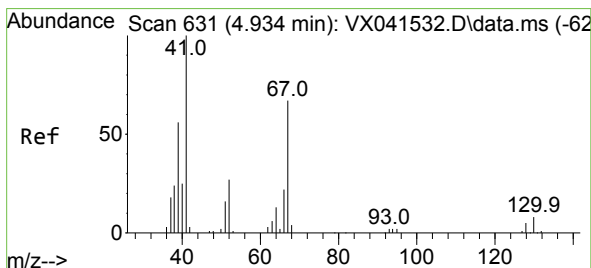
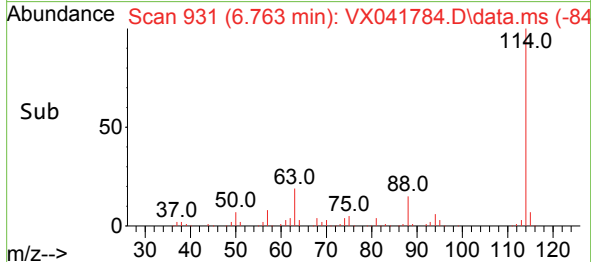
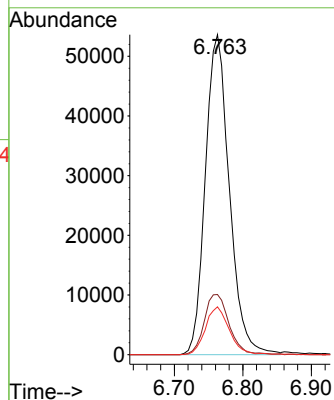
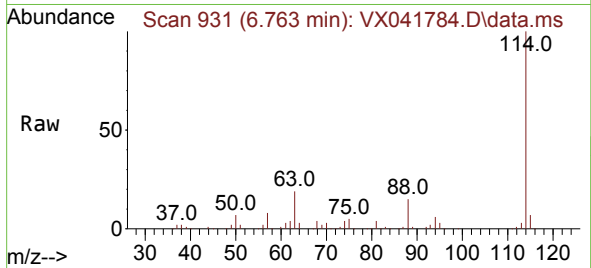




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX041784.D
Acq: 07 Jun 2024 12:41

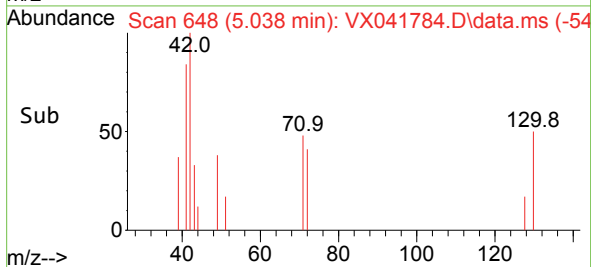
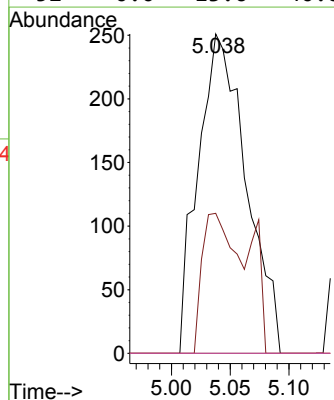
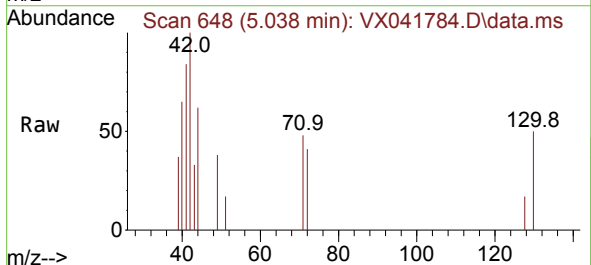
Instrument :
MSVOA_X
ClientSampleId :

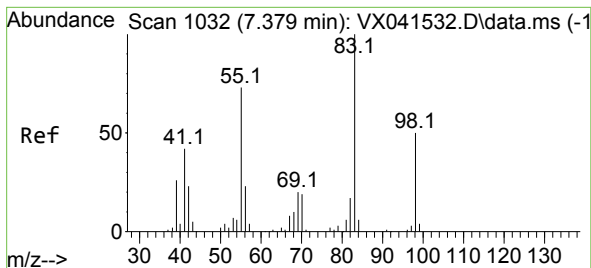
Tgt Ion:114 Resp: 130604
Ion Ratio Lower Upper
114 100
63 19.5 15.4 23.0
88 14.7 12.2 18.2



#35
Methacrylonitrile
Concen: 0.618 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.104 min
Lab File: VX041784.D
Acq: 07 Jun 2024 12:41

Tgt Ion: 41 Resp: 715
Ion Ratio Lower Upper
41 100
39 43.8 28.1 84.4
67 0.0 33.7 101.1#
52 0.0 13.6 40.8#





#38

Methylcyclohexane

Concen: 0.915 ug/l

RT: 7.824 min Scan# 1105

Delta R.T. 0.445 min

Lab File: VX041784.D

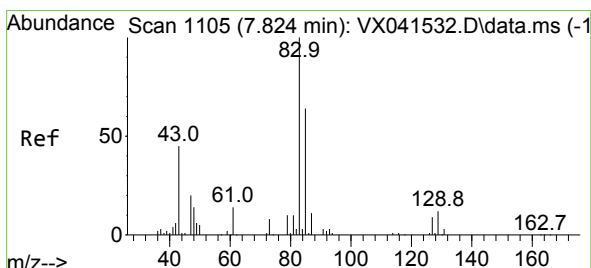
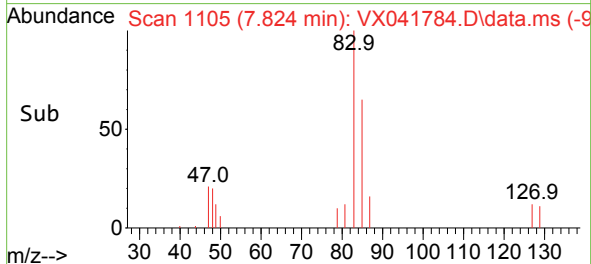
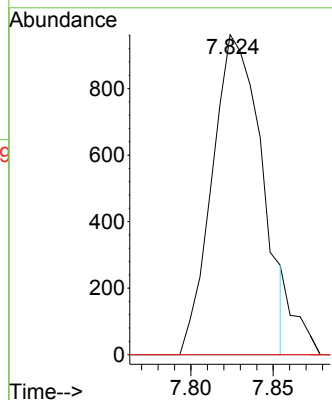
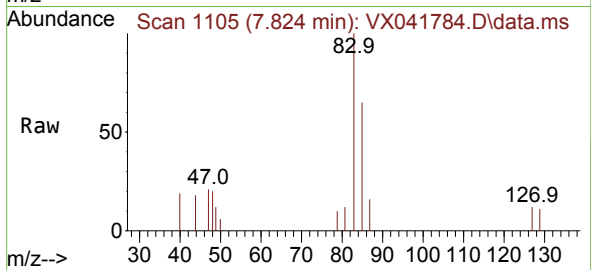
Acq: 07 Jun 2024 12:41

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 83	Resp: 2008
Ion Ratio	Lower Upper
83 100	
55 0.0	37.7 113.1#
98 0.0	25.1 75.3#



#41

Bromodichloromethane

Concen: 1.109 ug/l

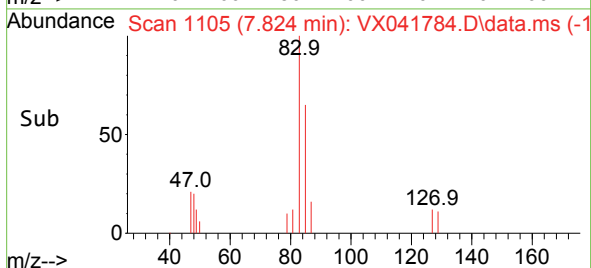
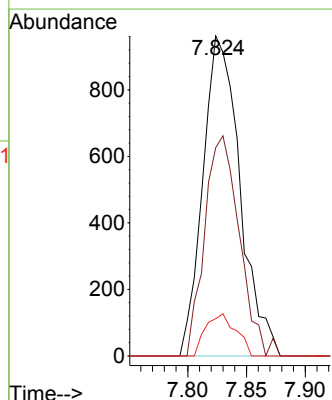
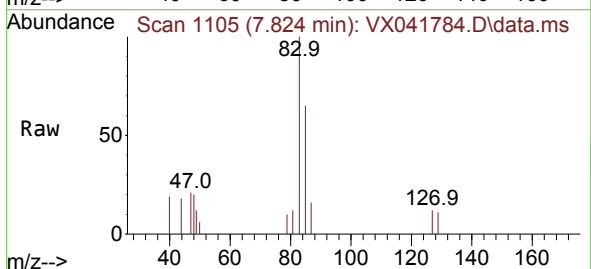
RT: 7.824 min Scan# 1105

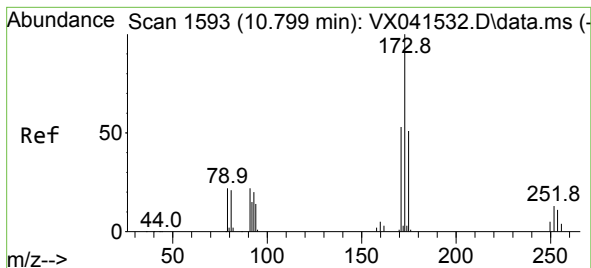
Delta R.T. 0.000 min

Lab File: VX041784.D

Acq: 07 Jun 2024 12:41

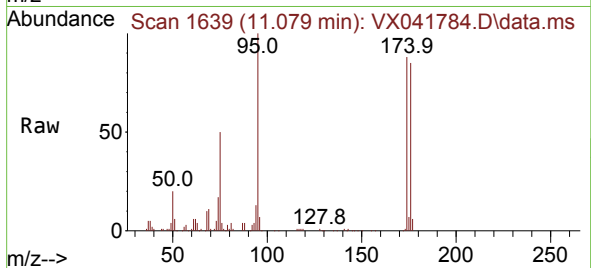
Tgt Ion: 83	Resp: 2114
Ion Ratio	Lower Upper
83 100	
85 65.1	51.0 76.4
127 11.6	7.1 10.7#



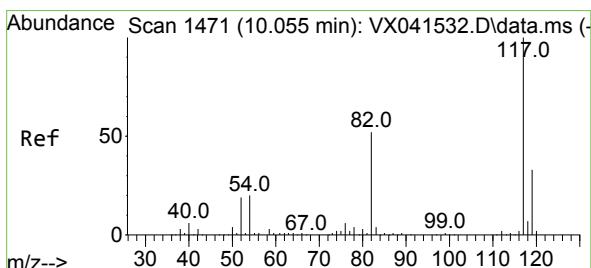
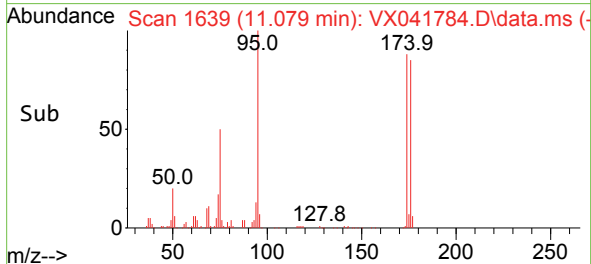
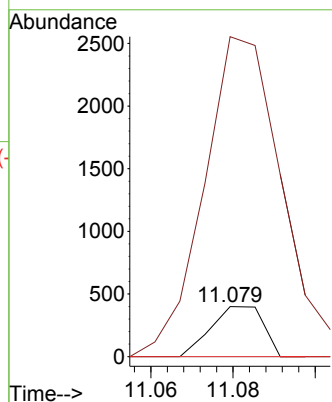


#56
Bromoform
Concen: 0.277 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.281 min
Lab File: VX041784.D
Acq: 07 Jun 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :

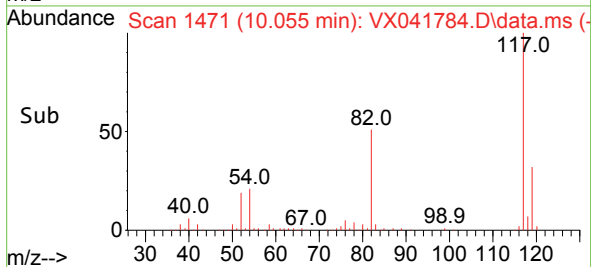
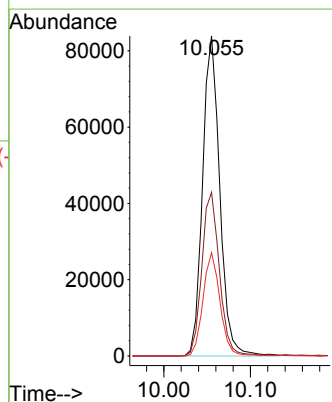
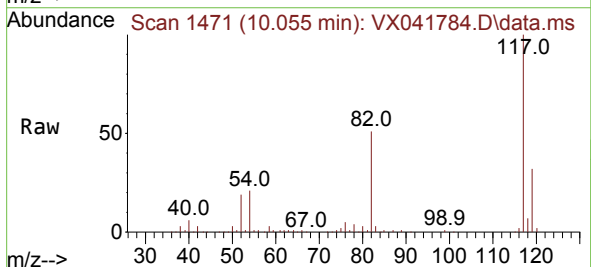


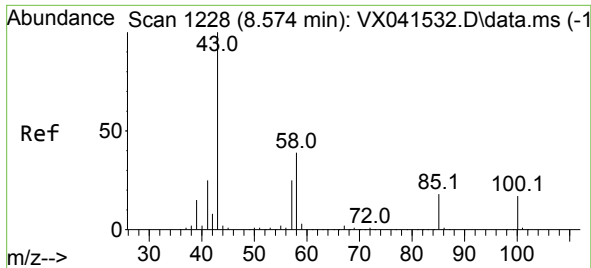
Tgt Ion:173 Resp: 356
Ion Ratio Lower Upper
173 100
175 954.5 39.0 58.6#
254 0.0 10.3 15.5#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041784.D
Acq: 07 Jun 2024 12:41

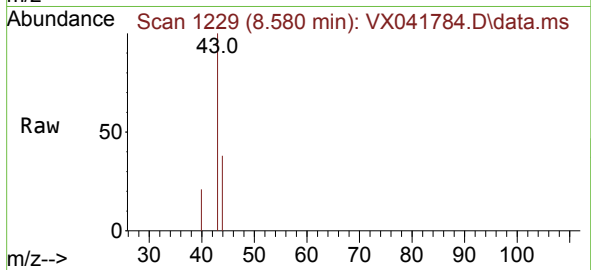
Tgt Ion:117 Resp: 115644
Ion Ratio Lower Upper
117 100
82 52.5 41.7 62.5
119 32.0 25.7 38.5



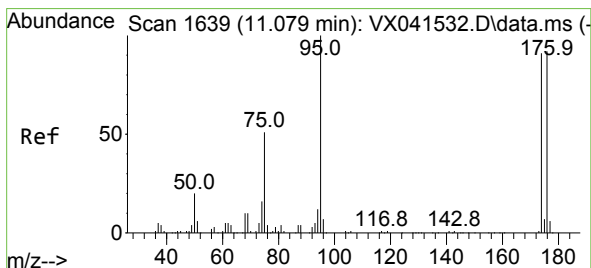
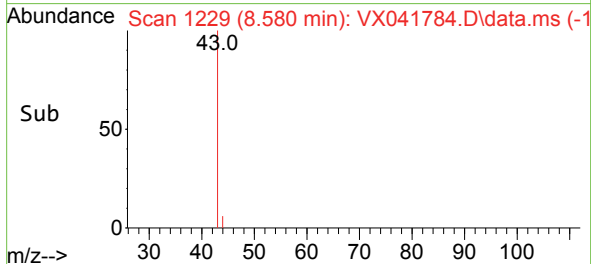
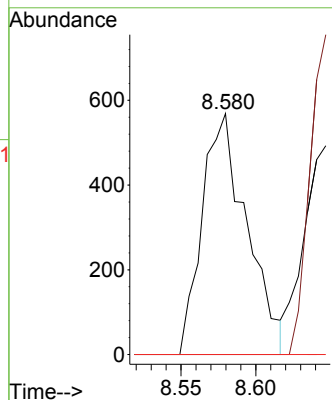


#58
4-Methyl-2-Pentanone
Concen: 0.558 ug/l
RT: 8.580 min Scan# 1180
Delta R.T. 0.006 min
Lab File: VX041784.D
Acq: 07 Jun 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :

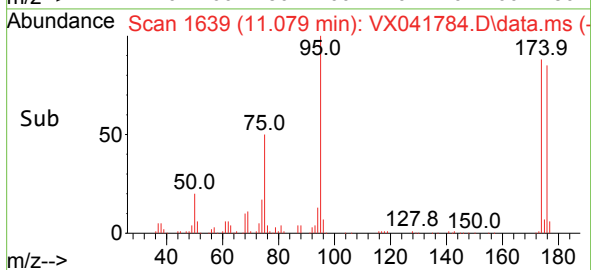
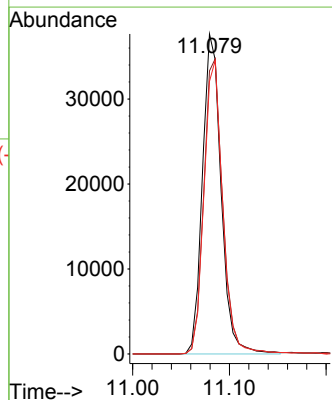
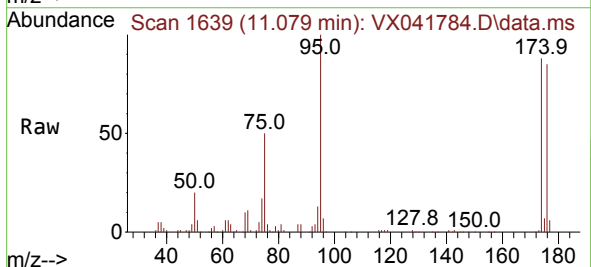


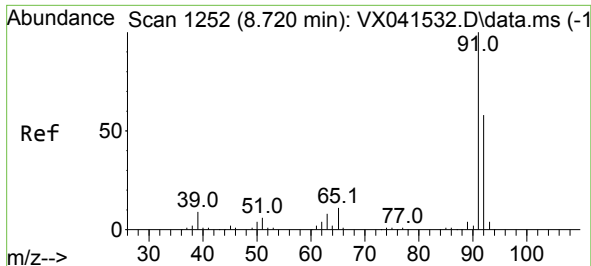
Tgt Ion: 43 Resp: 1180
Ion Ratio Lower Upper
43 100
58 0.0 30.2 45.4#
85 0.0 14.6 21.8#



#60
4-Bromofluorobenzene
Concen: 27.980 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041784.D
Acq: 07 Jun 2024 12:41

Tgt Ion: 95 Resp: 50512
Ion Ratio Lower Upper
95 100
174 93.2 76.6 115.0
176 91.9 75.4 113.0

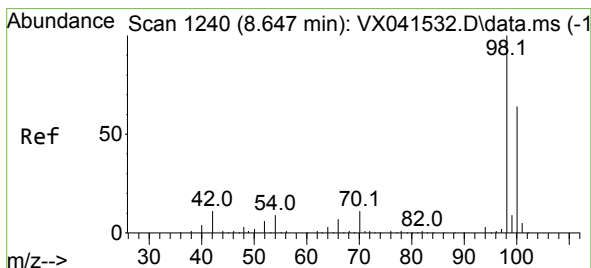
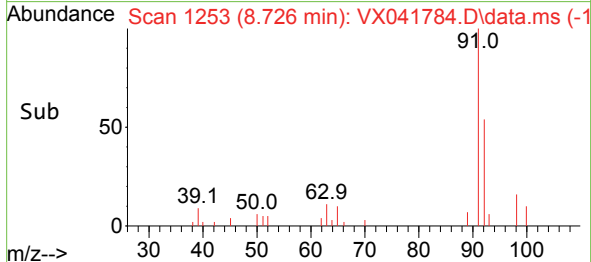
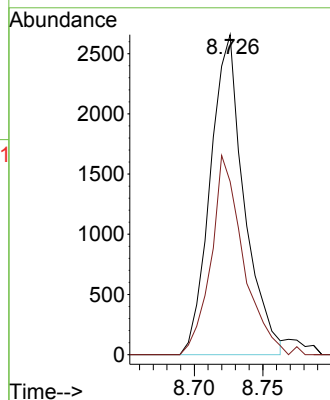
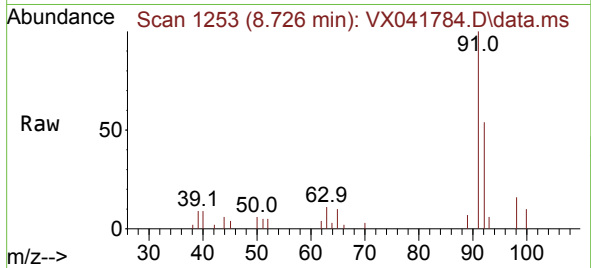




#62
Toluene
Concen: 0.793 ug/l
RT: 8.726 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX041784.D
Acq: 07 Jun 2024 12:41

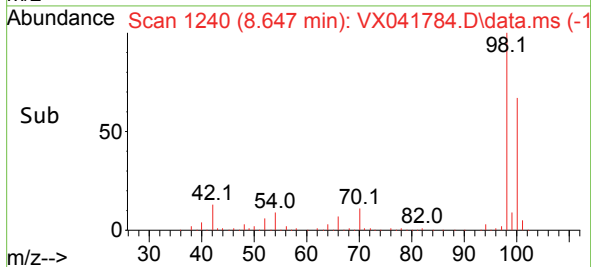
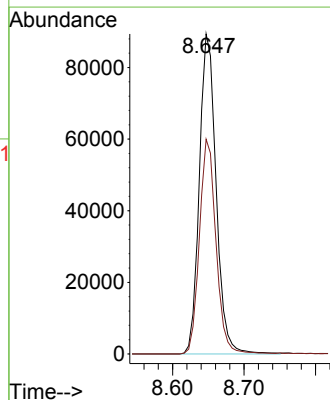
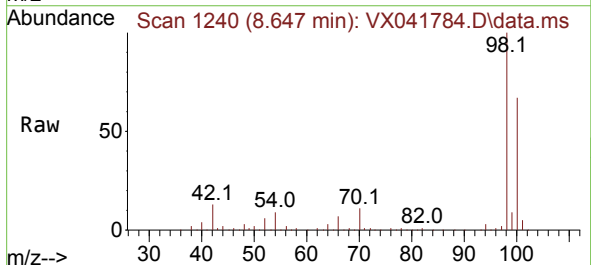
Instrument :
MSVOA_X
ClientSampleId :

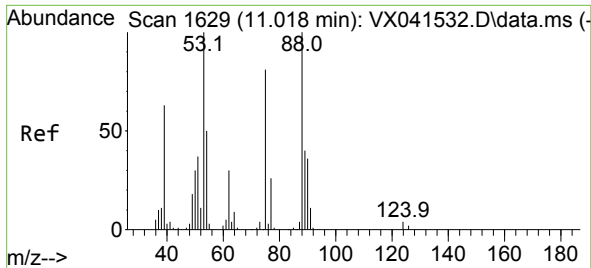
Tgt Ion: 91 Resp: 4562
Ion Ratio Lower Upper
91 100
92 58.9 47.0 70.6



#63
Toluene-d8
Concen: 29.384 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX041784.D
Acq: 07 Jun 2024 12:41

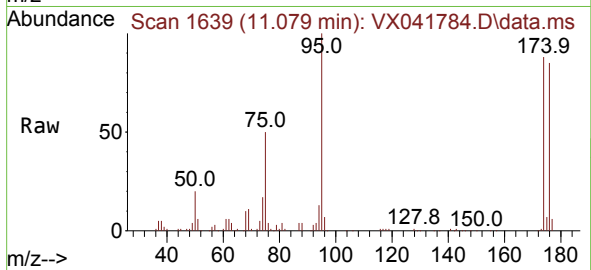
Tgt Ion: 98 Resp: 145663
Ion Ratio Lower Upper
98 100
100 66.3 53.1 79.7





#77
 t-1,4-Dichloro-2-butene
 Concen: 40.562 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX041784.D
 Acq: 07 Jun 2024 12:41

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 25102
 Ion Ratio Lower Upper
 75 100
 53 0.0 61.8 185.3#
 89 0.0 24.9 74.7#

