

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080824\
 Data File : VX042954.D
 Acq On : 08 Aug 2024 15:00
 Operator : JC/MD
 Sample : PB162548ZHE#08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB162548ZHE#08

Quant Time: Aug 09 05:10:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 07 04:53:59 2024
 Response via : Initial Calibration

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

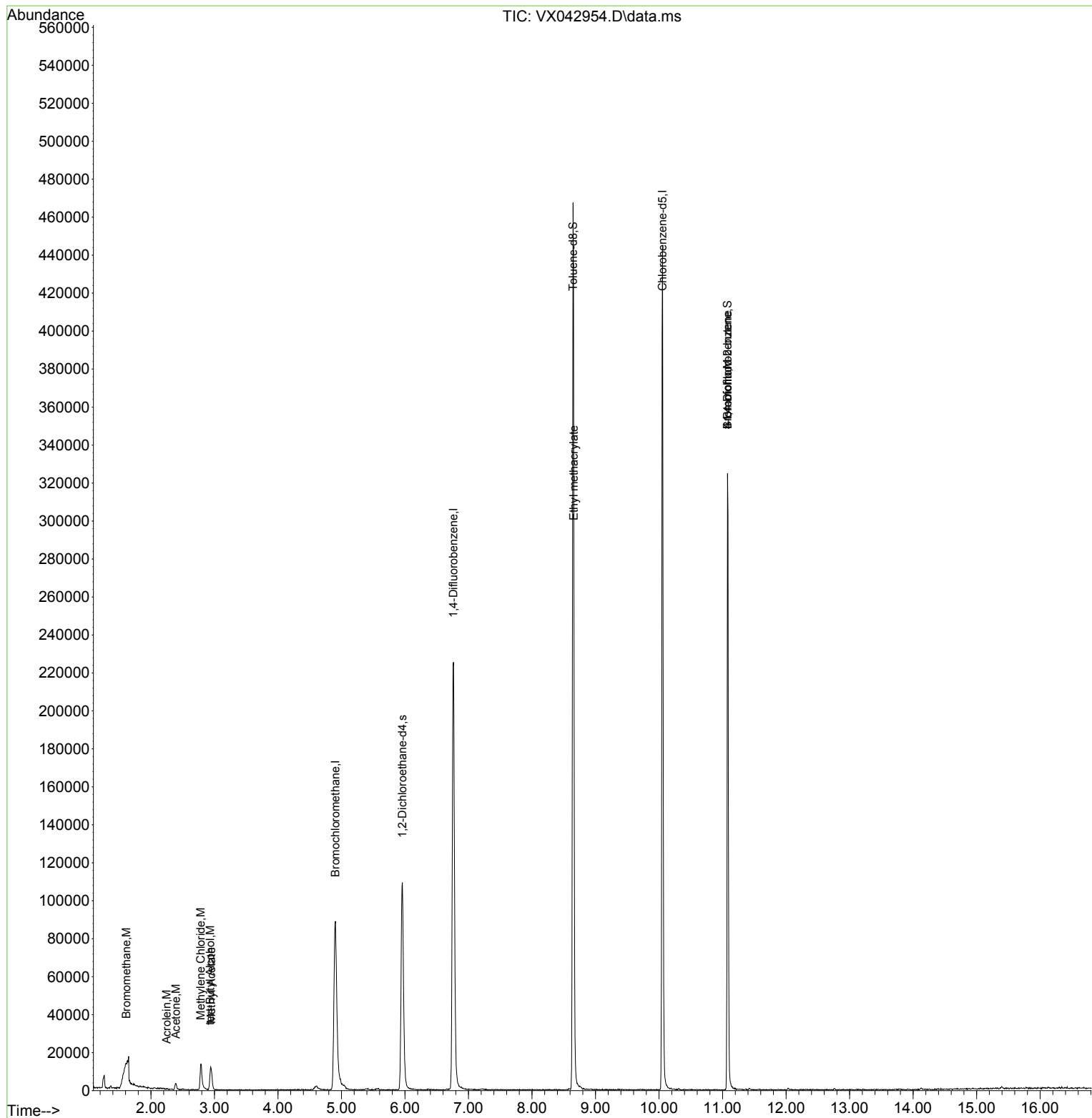
Internal Standards						
1) Bromochloromethane	4.904	128	40360	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	237833	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	206952	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	111984	30.048	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 100.167%	
60) 4-Bromofluorobenzene	11.079	95	88284	26.148	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 87.167%	
63) Toluene-d8	8.647	98	286192	30.615	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 102.067%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.612	94	417	0.294	ug/l #	76
12) Methyl Acetate	2.947	43	1177	0.223	ug/l	97
13) Acrolein	2.246	56	67	0.439	ug/l #	12
15) Acetone	2.392	58	1340	2.575	ug/l #	36
18) Methylene Chloride	2.782	84	7538	2.691	ug/l #	90
23) tert-Butyl Alcohol	2.934	59	7590	10.258	ug/l #	100
51) Ethyl methacrylate	8.659	69	957	0.227	ug/l	70
56) Bromoform	11.079	173	494	0.230	ug/l #	37
77) t-1,4-Dichloro-2-butene	11.079	75	46649	40.299	ug/l #	11

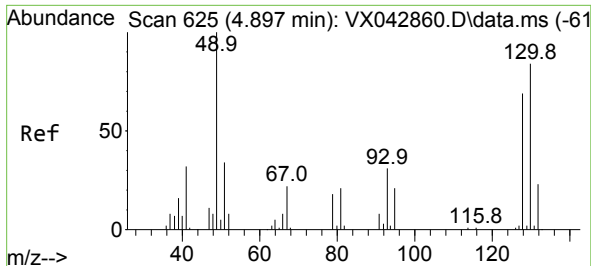
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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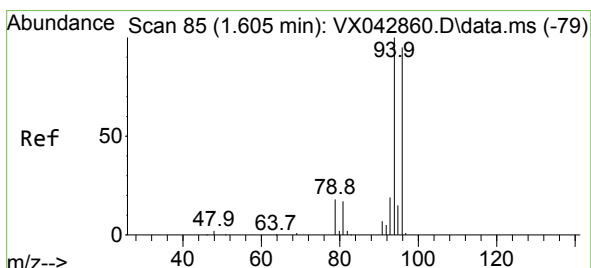
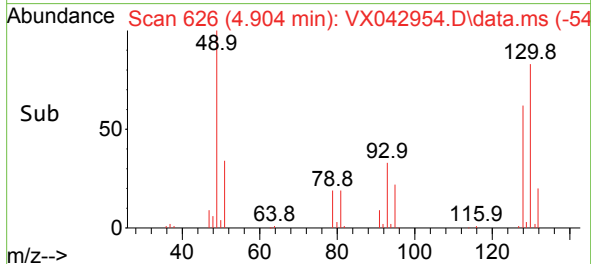
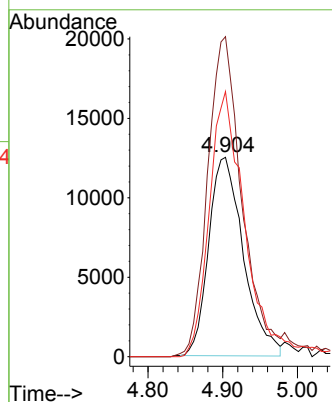
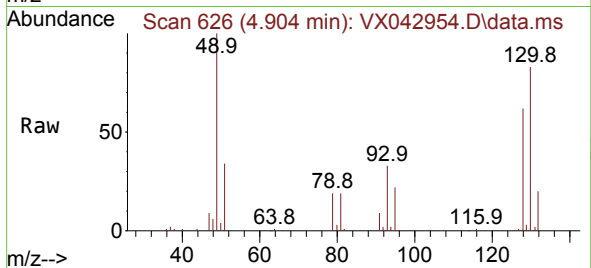




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX042954.D
Acq: 08 Aug 2024 15:00

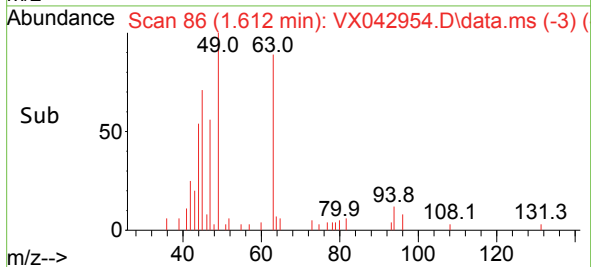
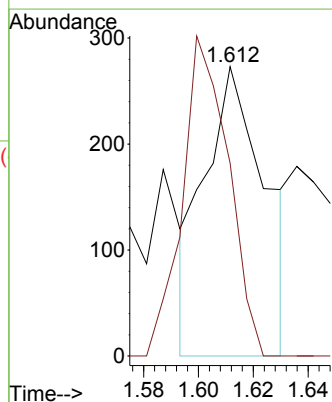
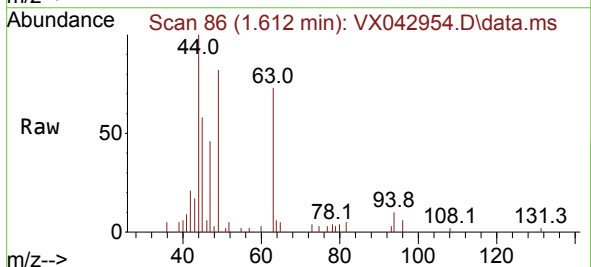
Instrument :
MSVOA_X
ClientSampleId :
PB162548ZHE#08

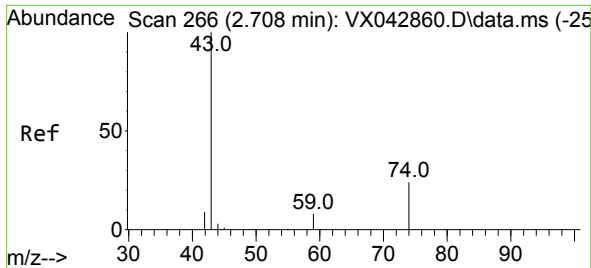
Tgt Ion:128 Resp: 40360
Ion Ratio Lower Upper
128 100
49 159.1 0.0 400.5
130 130.5 0.0 333.0



#5
Bromomethane
Concen: 0.294 ug/l
RT: 1.612 min Scan# 86
Delta R.T. 0.007 min
Lab File: VX042954.D
Acq: 08 Aug 2024 15:00

Tgt Ion: 94 Resp: 417
Ion Ratio Lower Upper
94 100
96 119.0 76.2 114.4#

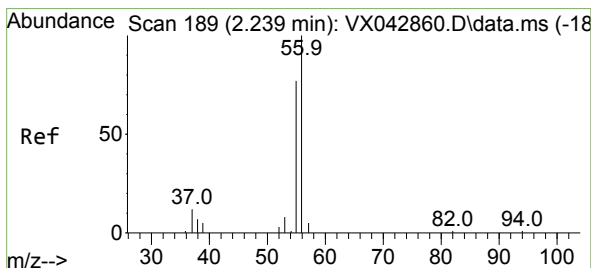
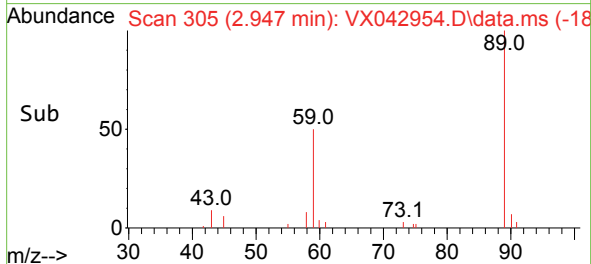
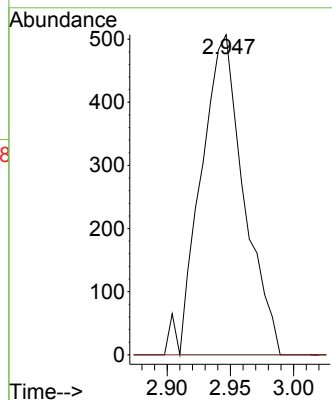
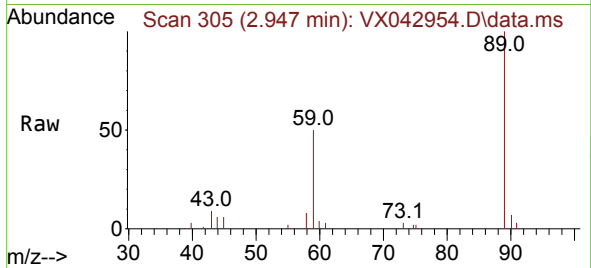




#12
Methyl Acetate
Concen: 0.223 ug/l
RT: 2.947 min Scan# 305
Delta R.T. 0.238 min
Lab File: VX042954.D
Acq: 08 Aug 2024 15:00

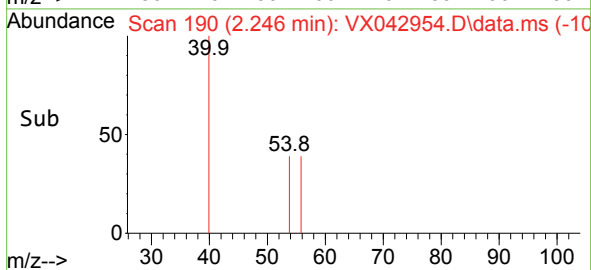
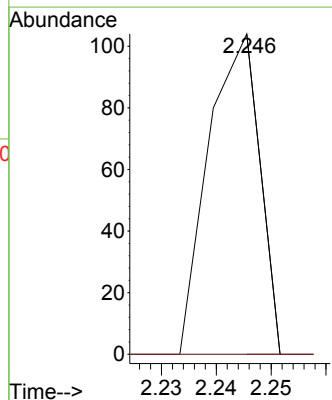
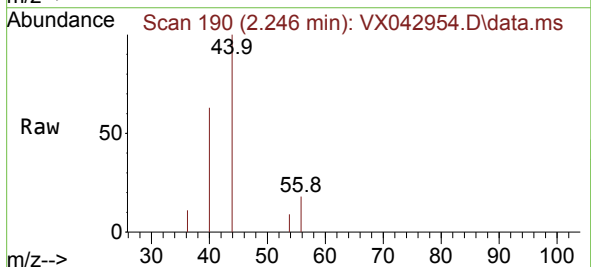
Instrument :
MSVOA_X
ClientSampleId :
PB162548ZHE#08

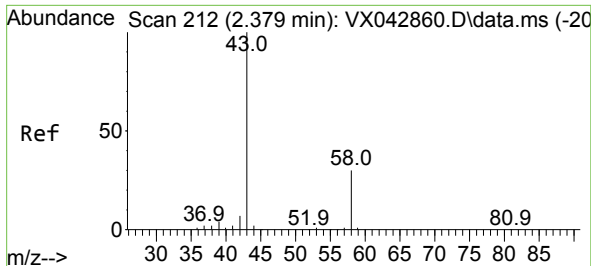
Tgt Ion: 43 Resp: 1177
Ion Ratio Lower Upper
43 100
74 25.8 19.4 29.2



#13
Acrolein
Concen: 0.439 ug/l
RT: 2.246 min Scan# 190
Delta R.T. 0.007 min
Lab File: VX042954.D
Acq: 08 Aug 2024 15:00

Tgt Ion: 56 Resp: 67
Ion Ratio Lower Upper
56 100
55 0.0 60.6 90.8#





#15

Acetone

Concen: 2.575 ug/l

RT: 2.392 min Scan# 21

Delta R.T. 0.013 min

Lab File: VX042954.D

Acq: 08 Aug 2024 15:00

Instrument :

MSVOA_X

ClientSampleId :

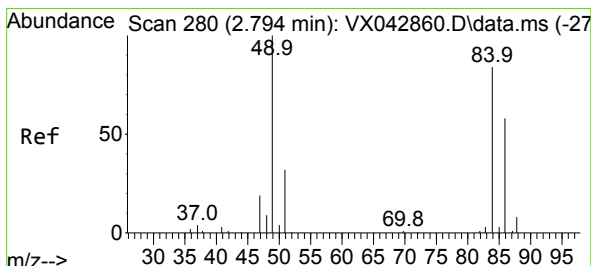
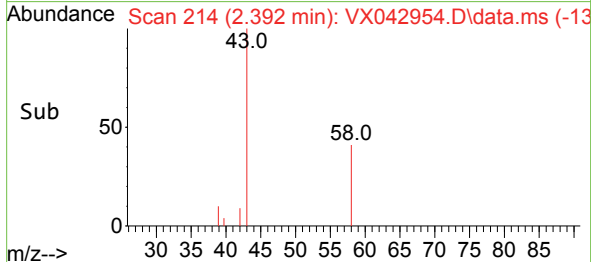
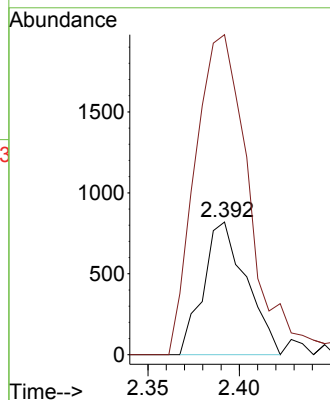
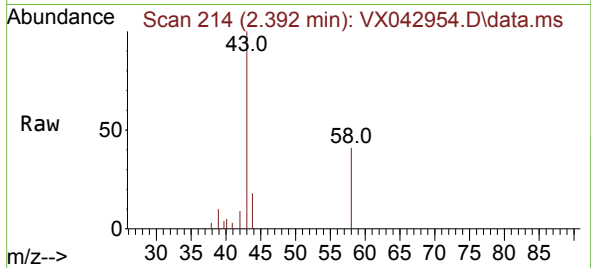
PB162548ZHE#08

Tgt Ion: 58 Resp: 1340

Ion Ratio Lower Upper

58 100

43 202.6 269.9 404.9#



#18

Methylene Chloride

Concen: 2.691 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.012 min

Lab File: VX042954.D

Acq: 08 Aug 2024 15:00

Tgt Ion: 84 Resp: 7538

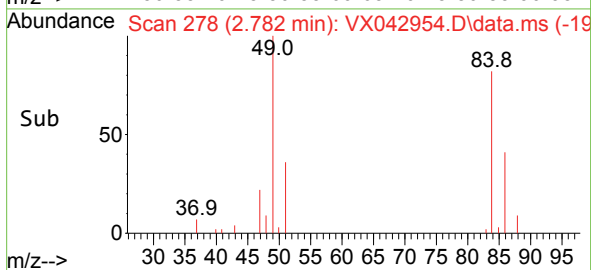
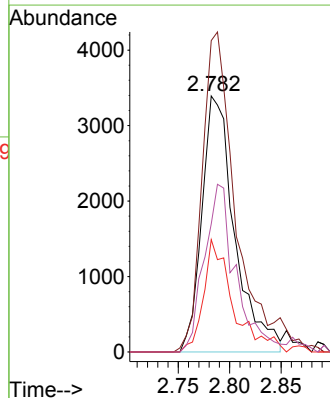
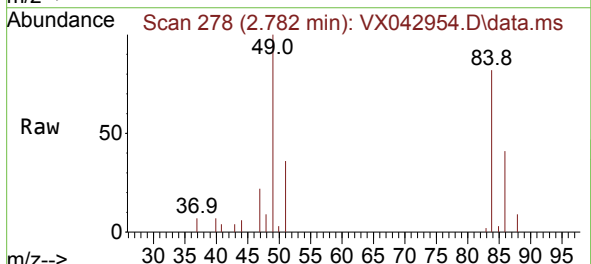
Ion Ratio Lower Upper

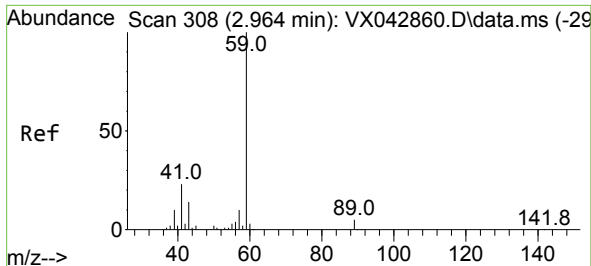
84 100

49 120.1 95.0 142.6

51 43.9 30.1 45.1

86 50.0 55.4 83.2#

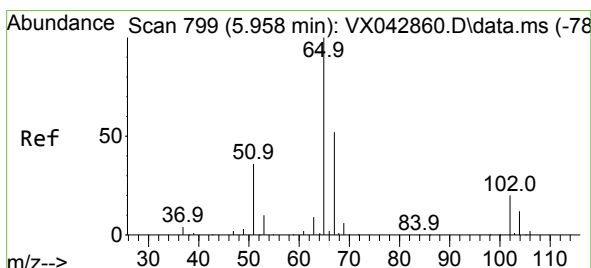
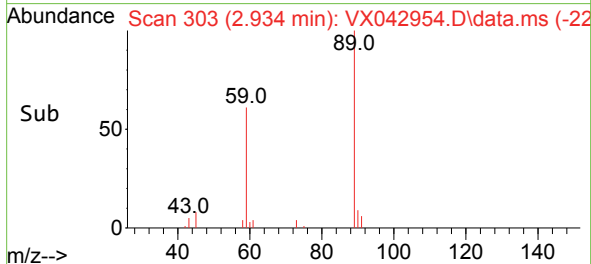
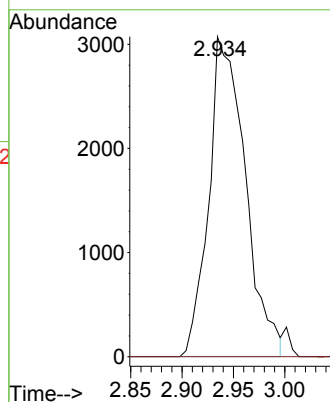
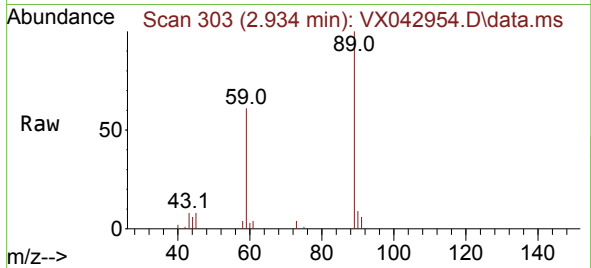




#23
tert-Butyl Alcohol
Concen: 10.258 ug/l
RT: 2.934 min Scan# 308
Delta R.T. -0.030 min
Lab File: VX042954.D
Acq: 08 Aug 2024 15:00

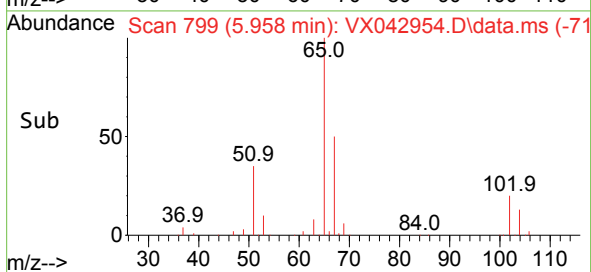
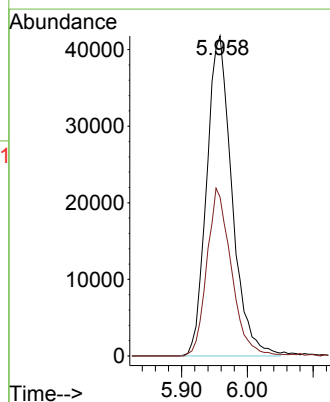
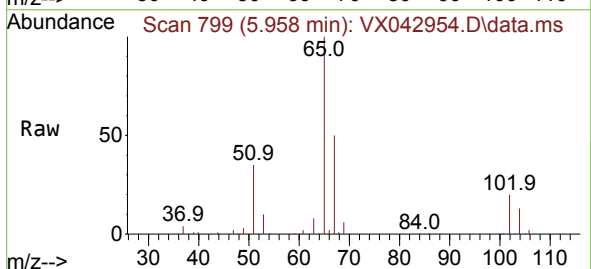
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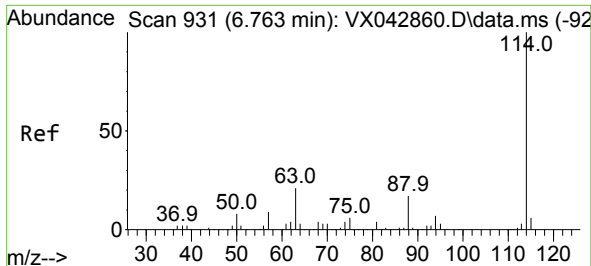
Tgt Ion: 59 Resp: 7590
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#



#27
1,2-Dichloroethane-d4
Concen: 30.048 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX042954.D
Acq: 08 Aug 2024 15:00

Tgt Ion: 65 Resp: 111984
Ion Ratio Lower Upper
65 100
67 50.4 40.6 60.8

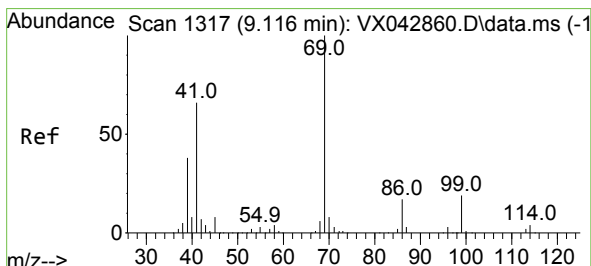
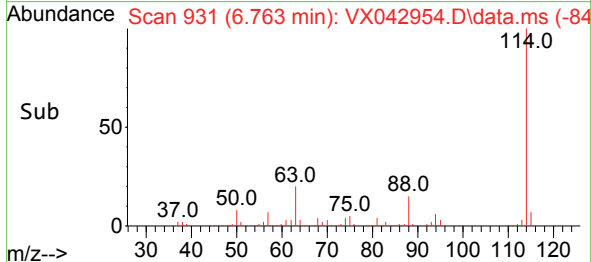
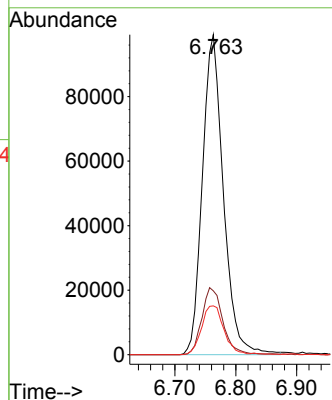
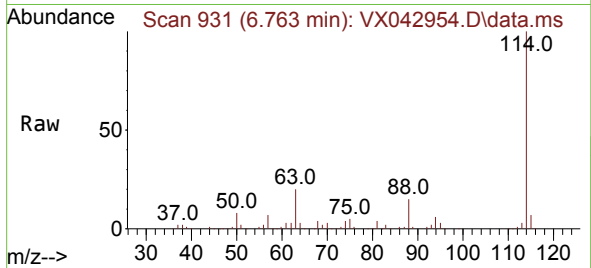




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX042954.D
Acq: 08 Aug 2024 15:00

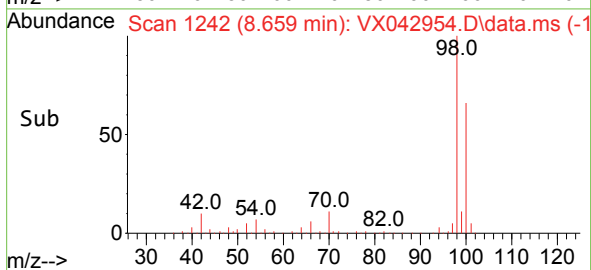
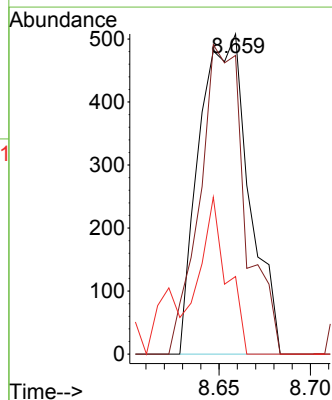
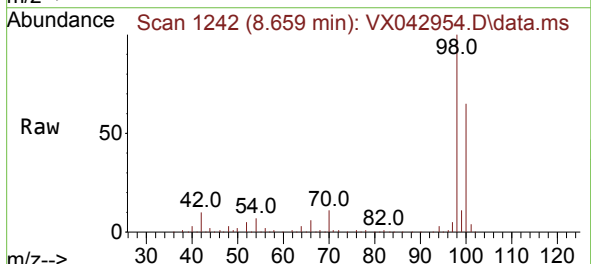
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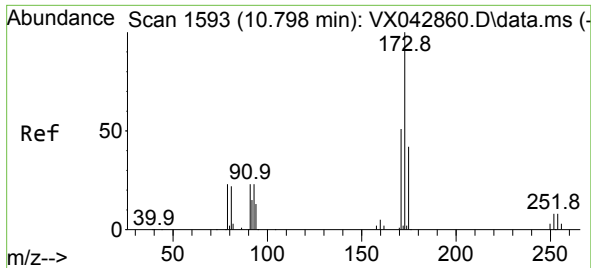
Tgt Ion:114 Resp: 237833
Ion Ratio Lower Upper
114 100
63 20.7 16.0 24.0
88 16.2 12.5 18.7



#51
Ethyl methacrylate
Concen: 0.227 ug/l
RT: 8.659 min Scan# 1242
Delta R.T. -0.457 min
Lab File: VX042954.D
Acq: 08 Aug 2024 15:00

Tgt Ion: 69 Resp: 957
Ion Ratio Lower Upper
69 100
41 93.3 33.1 99.2
39 24.2 18.8 56.3

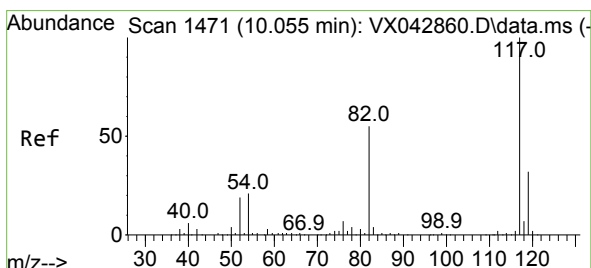
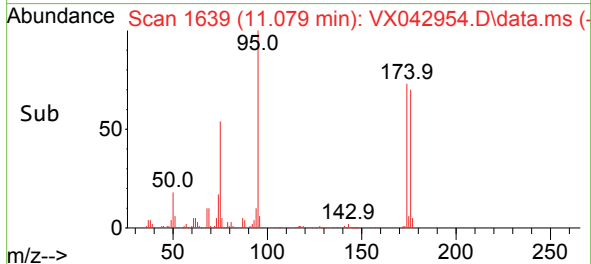
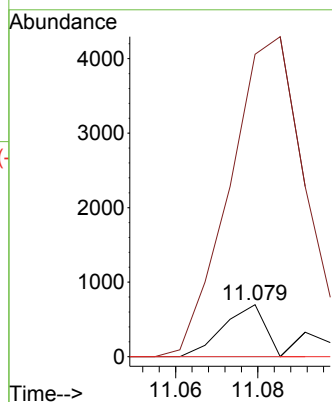
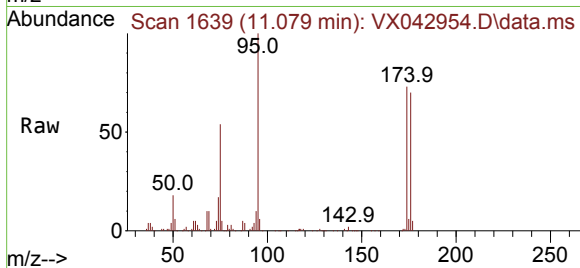




#56
Bromoform
Concen: 0.230 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.281 min
Lab File: VX042954.D
Acq: 08 Aug 2024 15:00

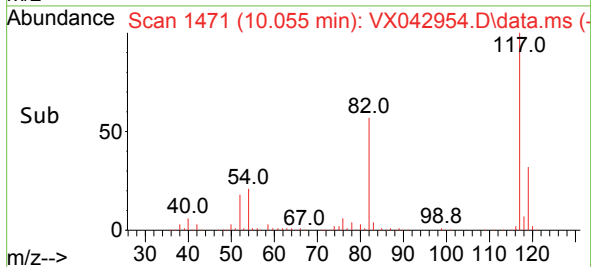
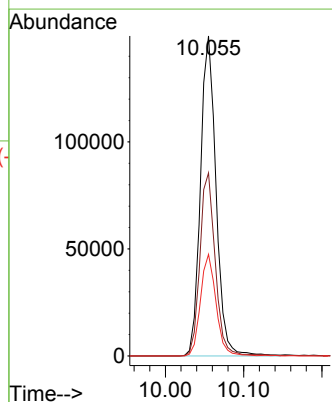
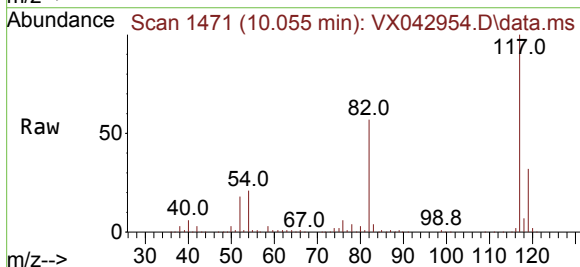
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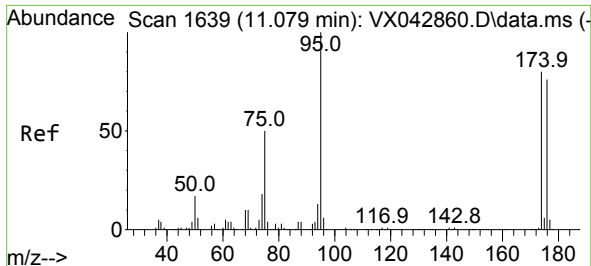
Tgt Ion:173 Resp: 494
Ion Ratio Lower Upper
173 100
175 0.0 37.1 55.7#
254 0.0 6.6 10.0#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX042954.D
Acq: 08 Aug 2024 15:00

Tgt Ion:117 Resp: 206952
Ion Ratio Lower Upper
117 100
82 55.9 44.9 67.3
119 31.6 25.4 38.2

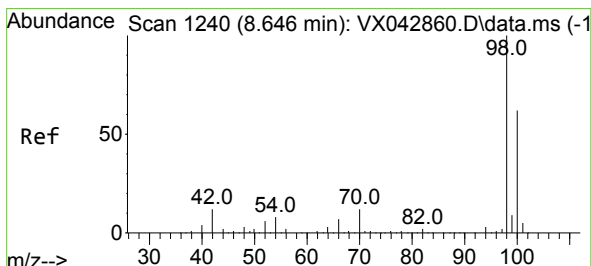
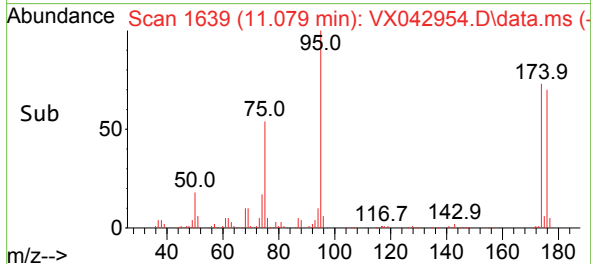
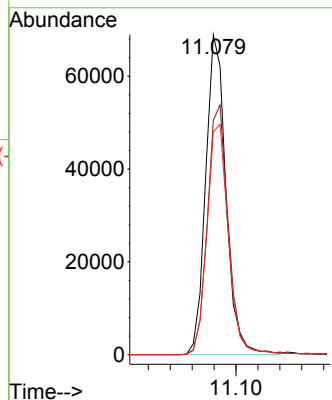
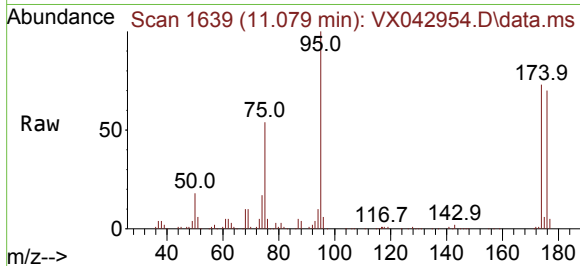




#60
4-Bromofluorobenzene
Concen: 26.148 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042954.D
Acq: 08 Aug 2024 15:00

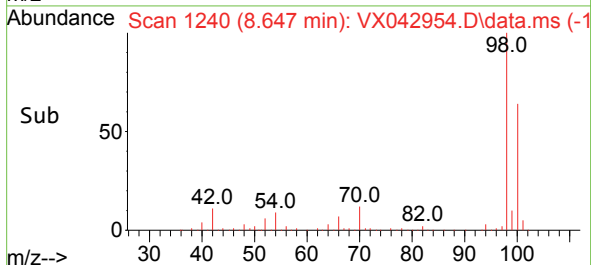
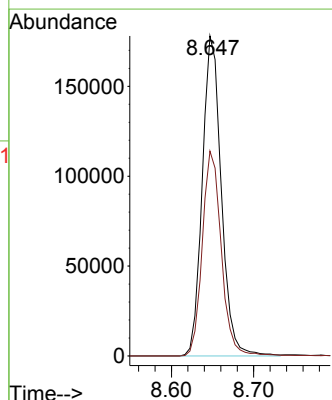
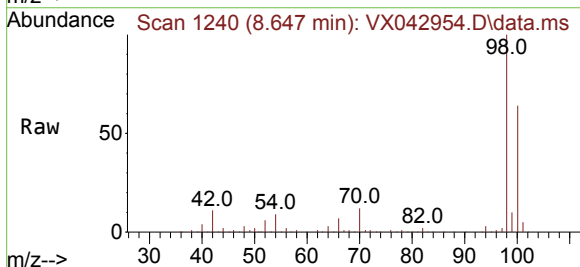
Instrument :
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PB162548ZHE#08

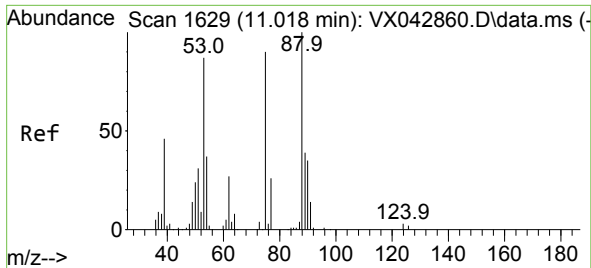
Tgt Ion: 95 Resp: 88284
Ion Ratio Lower Upper
95 100
174 80.7 65.0 97.6
176 75.9 63.4 95.0



#63
Toluene-d8
Concen: 30.615 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX042954.D
Acq: 08 Aug 2024 15:00

Tgt Ion: 98 Resp: 286192
Ion Ratio Lower Upper
98 100
100 63.9 50.9 76.3





#77

t-1,4-Dichloro-2-butene

Concen: 40.299 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.061 min

Lab File: VX042954.D

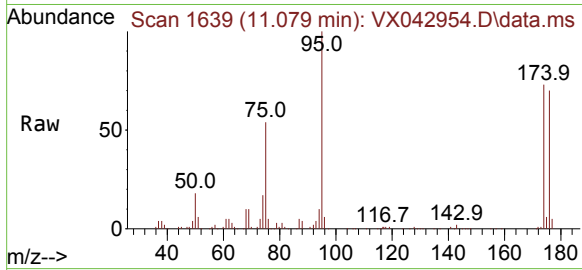
Acq: 08 Aug 2024 15:00

Instrument :

MSVOA_X

ClientSampleId :

PB162548ZHE#08



Tgt Ion: 75 Resp: 46649

Ion Ratio Lower Upper

75 100

53 0.0 48.5 145.5#

89 0.0 21.9 65.5#

