

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080824\
 Data File : VX042959.D
 Acq On : 08 Aug 2024 16:56
 Operator : JC/MD
 Sample : PB162548ZHE#13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 09 05:12:17 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)

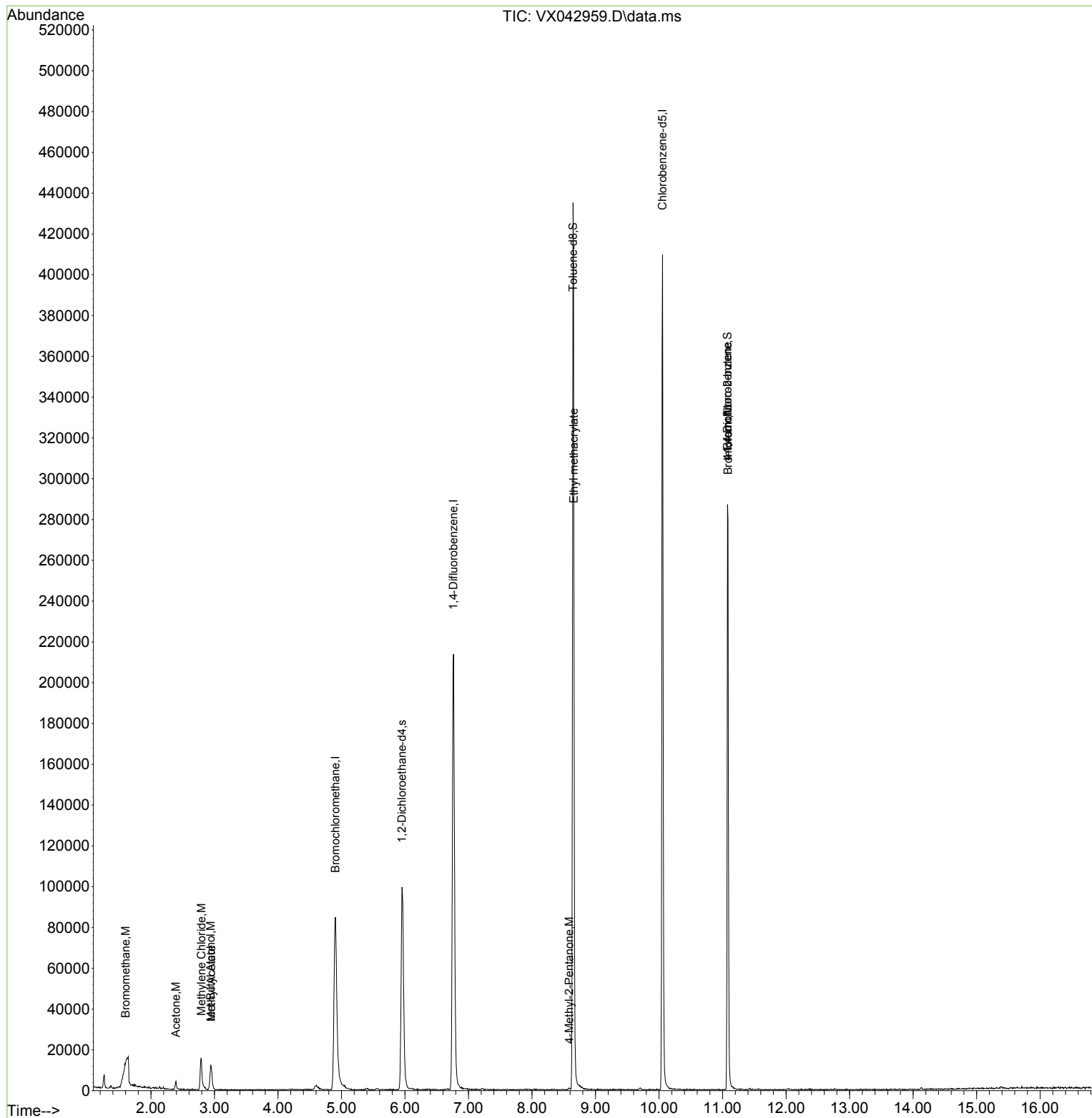
Internal Standards						
1) Bromochloromethane	4.904	128	39505	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	217277	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	192365	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	101077	27.708	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	92.367%
60) 4-Bromofluorobenzene	11.079	95	79340	25.281	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	84.267%
63) Toluene-d8	8.647	98	263914	30.373	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.233%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	388	0.280	ug/l #	63
12) Methyl Acetate	2.947	43	1117	0.216	ug/l	91
15) Acetone	2.392	58	1373	2.696	ug/l #	67
18) Methylene Chloride	2.794	84	8486	3.095	ug/l	91
23) tert-Butyl Alcohol	2.941	59	7577	10.462	ug/l #	100
51) Ethyl methacrylate	8.659	69	967	0.251	ug/l #	69
56) Bromoform	11.085	173	771	0.393	ug/l #	1
58) 4-Methyl-2-Pentanone	8.586	43	826	0.228	ug/l #	68
77) t-1,4-Dichloro-2-butene	11.079	75	42097	39.124	ug/l #	11

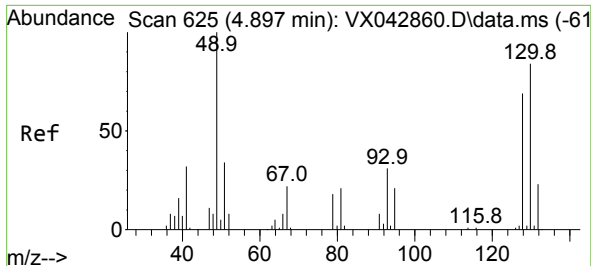
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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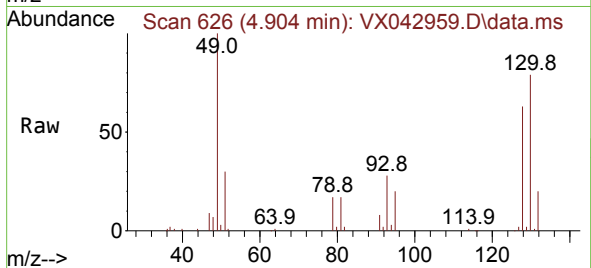
Quant Time: Aug 09 05:12:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 07 04:53:59 2024
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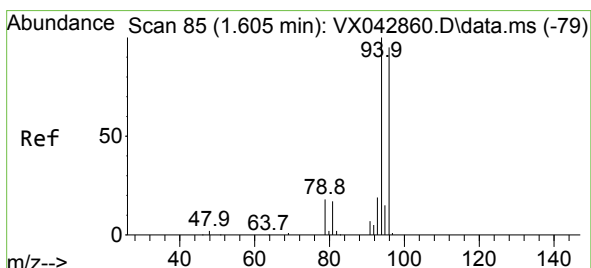
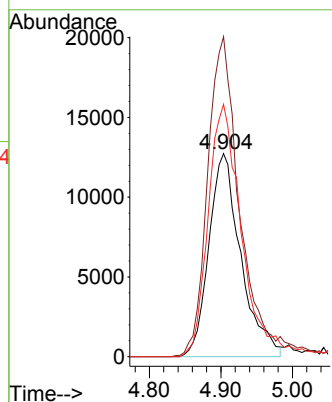
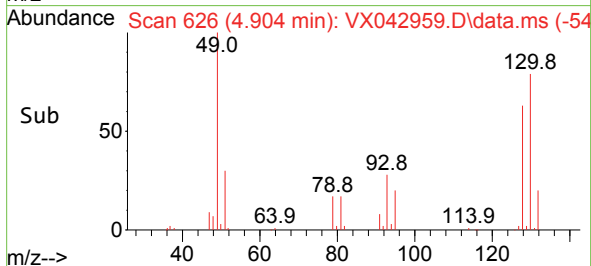


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX042959.D
Acq: 08 Aug 2024 16:56

Instrument :
MSVOA_X
ClientSampleId :

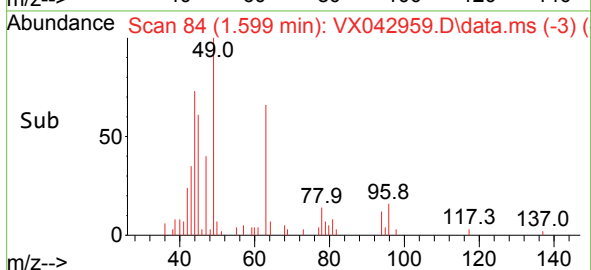
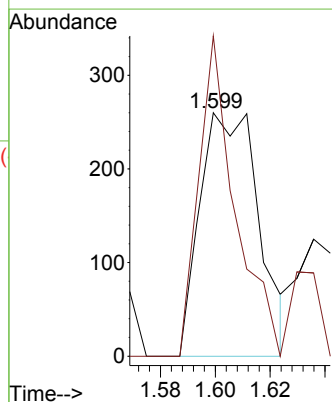
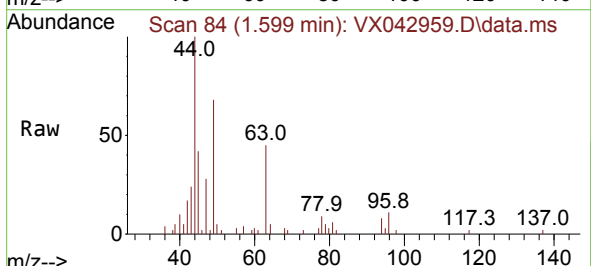


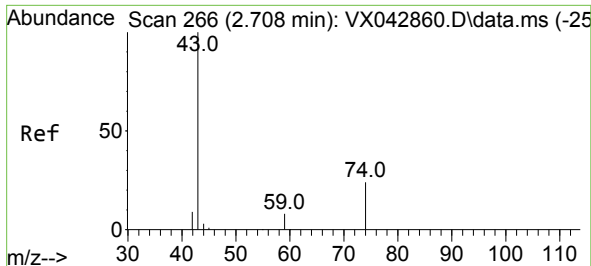
Tgt Ion:128 Resp: 39505
Ion Ratio Lower Upper
128 100
49 154.5 0.0 400.5
130 125.7 0.0 333.0



#5
Bromomethane
Concen: 0.280 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.006 min
Lab File: VX042959.D
Acq: 08 Aug 2024 16:56

Tgt Ion: 94 Resp: 388
Ion Ratio Lower Upper
94 100
96 131.5 76.2 114.4#





#12

Methyl Acetate

Concen: 0.216 ug/l

RT: 2.947 min Scan# 305

Delta R.T. 0.238 min

Lab File: VX042959.D

Acq: 08 Aug 2024 16:56

Instrument :

MSVOA_X

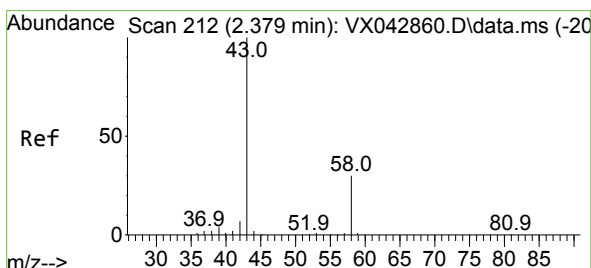
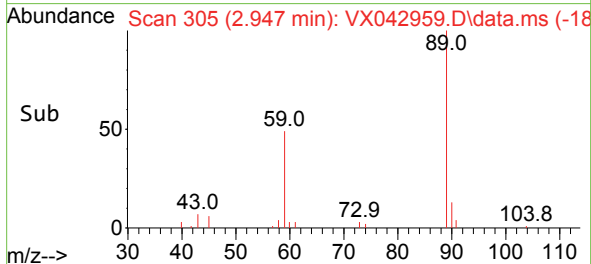
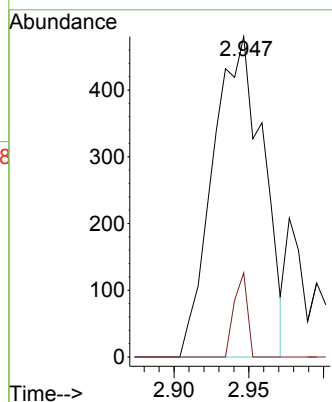
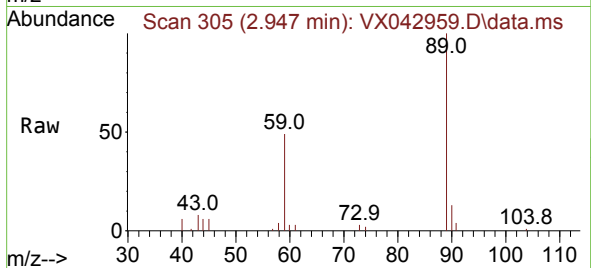
ClientSampleId :

Tgt Ion: 43 Resp: 1117

Ion Ratio Lower Upper

43 100

74 29.0 19.4 29.2



#15

Acetone

Concen: 2.696 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.013 min

Lab File: VX042959.D

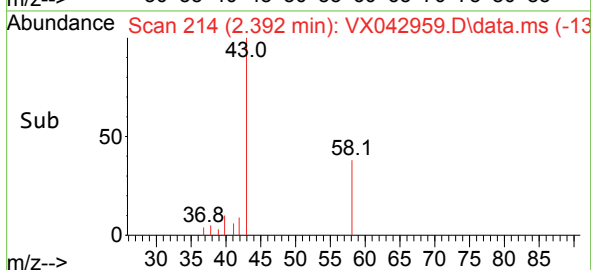
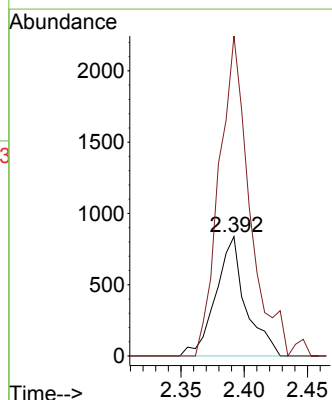
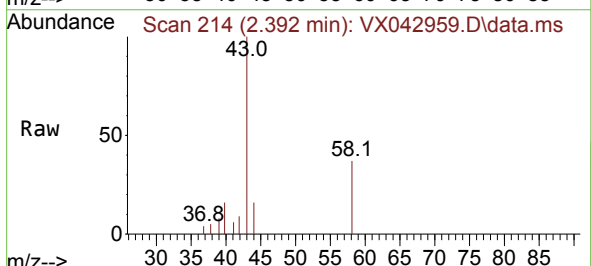
Acq: 08 Aug 2024 16:56

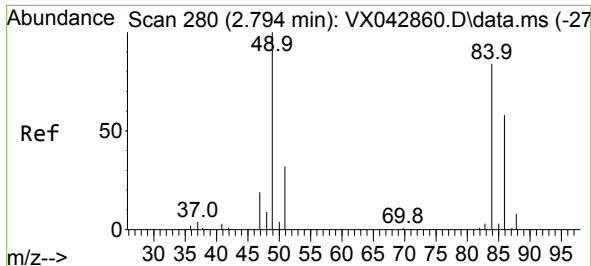
Tgt Ion: 58 Resp: 1373

Ion Ratio Lower Upper

58 100

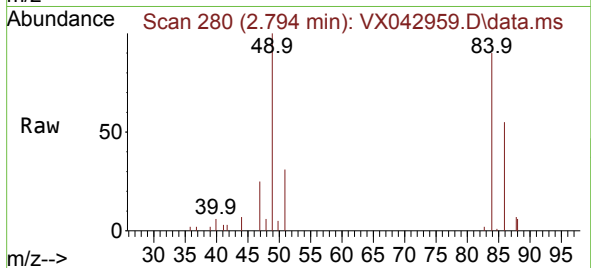
43 267.9 269.9 404.9#



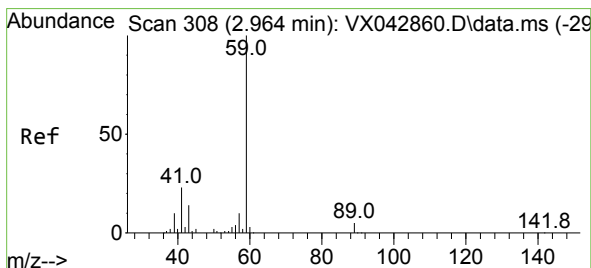
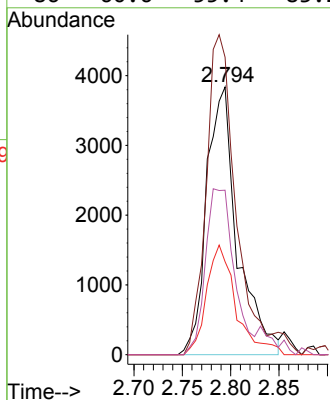
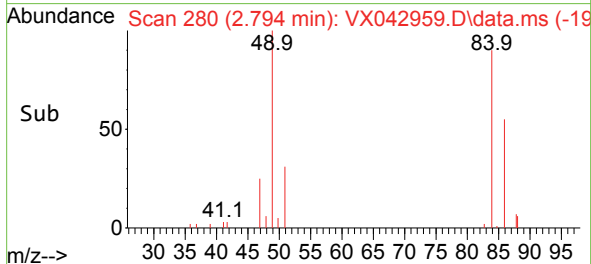


#18
Methylene Chloride
Concen: 3.095 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX042959.D
Acq: 08 Aug 2024 16:56

Instrument :
MSVOA_X
ClientSampleId :

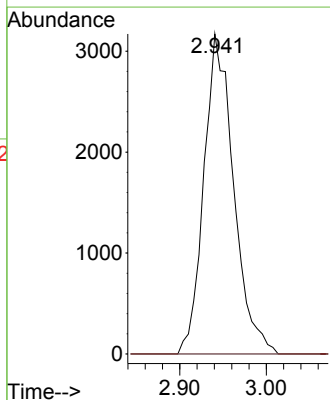
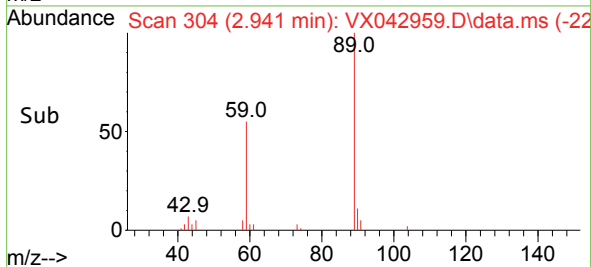
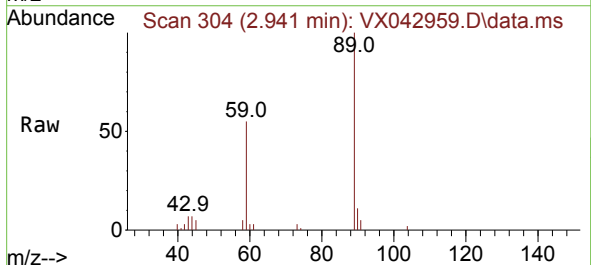


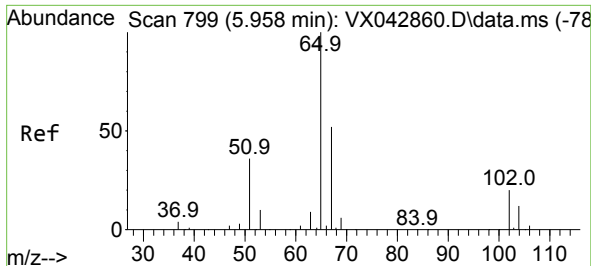
Tgt Ion:	84	Resp:	8486
Ion	Ratio	Lower	Upper
84	100		
49	109.5	95.0	142.6
51	34.2	30.1	45.1
86	60.6	55.4	83.2



#23
tert-Butyl Alcohol
Concen: 10.462 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.024 min
Lab File: VX042959.D
Acq: 08 Aug 2024 16:56

Tgt Ion:	59	Resp:	7577
Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.1	0.1#





#27

1,2-Dichloroethane-d4

Concen: 27.708 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX042959.D

Acq: 08 Aug 2024 16:56

Instrument :

MSVOA_X

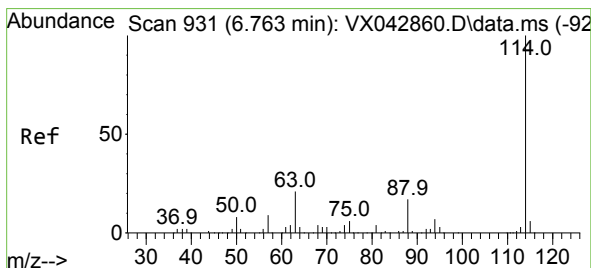
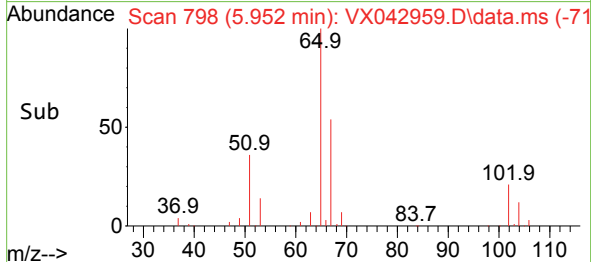
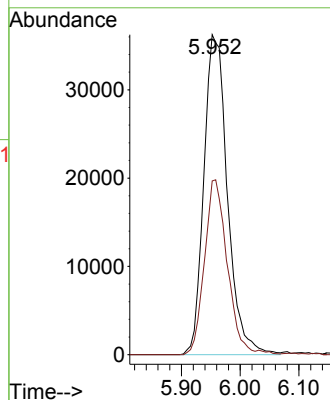
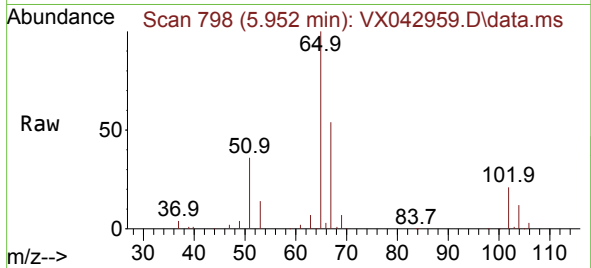
ClientSampleId :

Tgt Ion: 65 Resp: 101077

Ion Ratio Lower Upper

65 100

67 52.3 40.6 60.8



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX042959.D

Acq: 08 Aug 2024 16:56

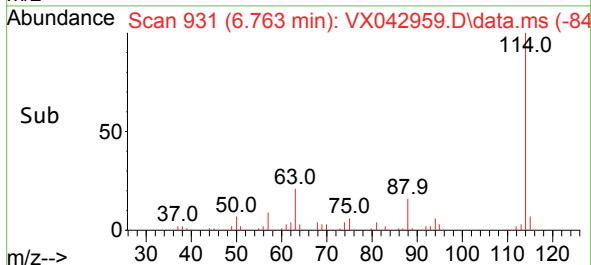
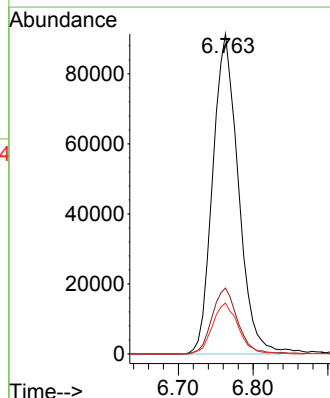
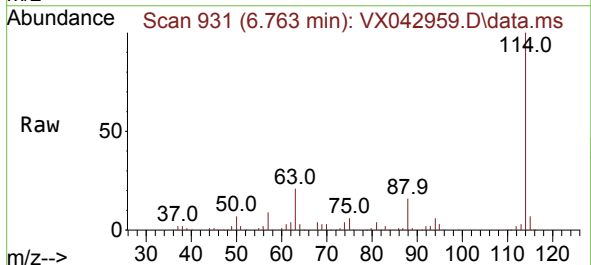
Tgt Ion: 114 Resp: 217277

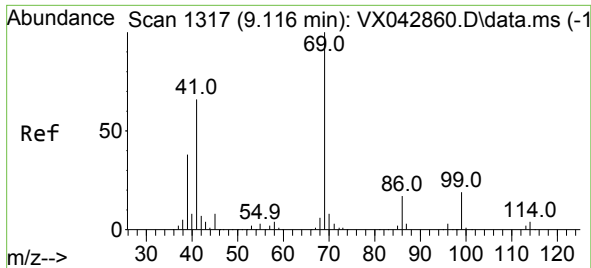
Ion Ratio Lower Upper

114 100

63 20.5 16.0 24.0

88 16.0 12.5 18.7

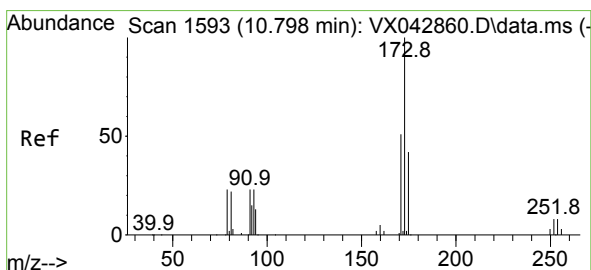
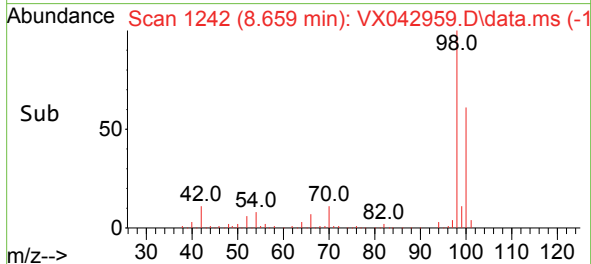
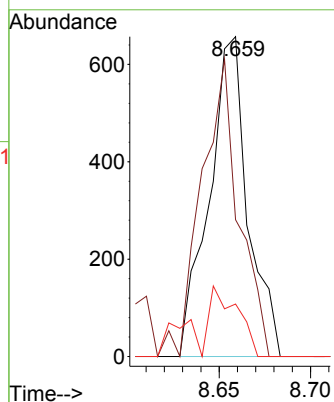
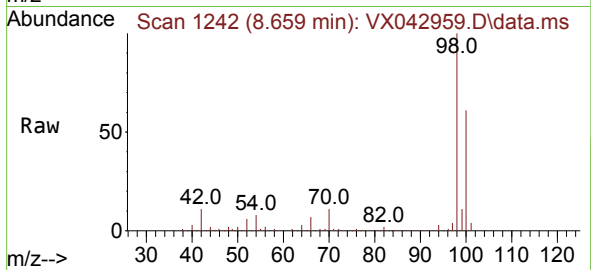




#51
Ethyl methacrylate
Concen: 0.251 ug/l
RT: 8.659 min Scan# 11
Delta R.T. -0.457 min
Lab File: VX042959.D
Acq: 08 Aug 2024 16:56

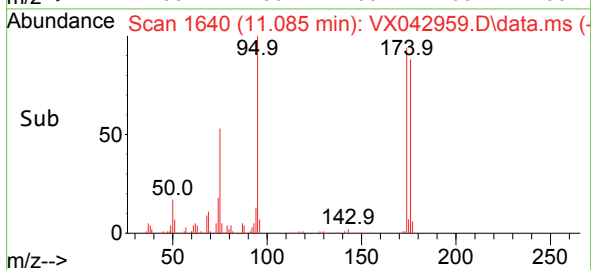
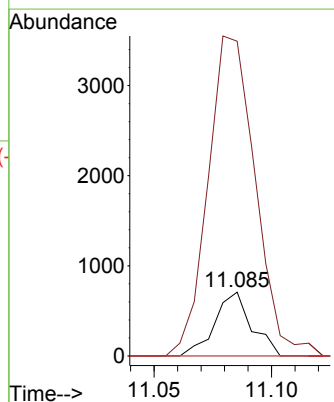
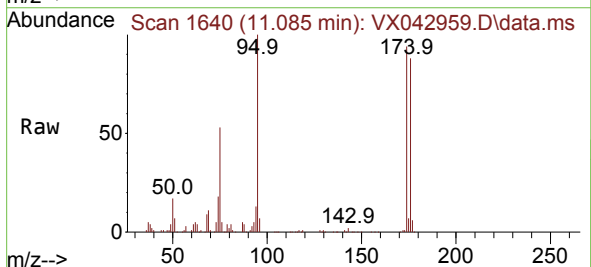
Instrument :
MSVOA_X
ClientSampleId :

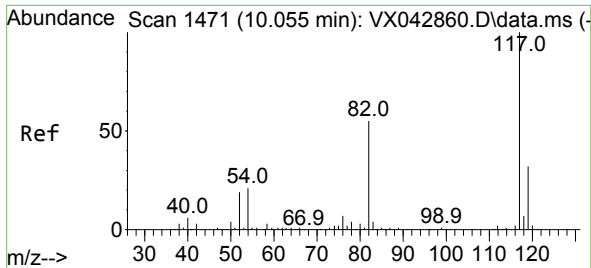
Tgt Ion: 69 Resp: 967
Ion Ratio Lower Upper
69 100
41 42.8 33.1 99.2
39 16.4 18.8 56.3#



#56
Bromoform
Concen: 0.393 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.287 min
Lab File: VX042959.D
Acq: 08 Aug 2024 16:56

Tgt Ion: 173 Resp: 771
Ion Ratio Lower Upper
173 100
175 639.6 37.1 55.7#
254 0.0 6.6 10.0#

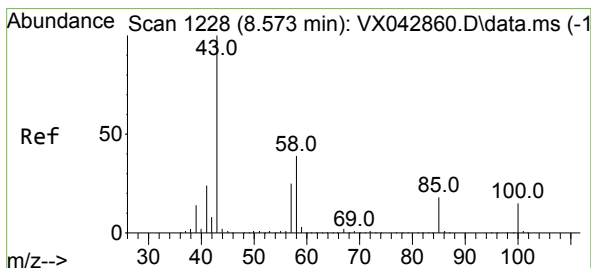
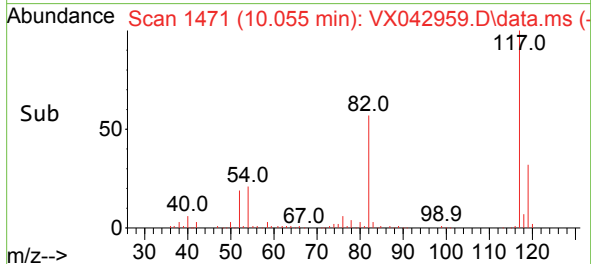
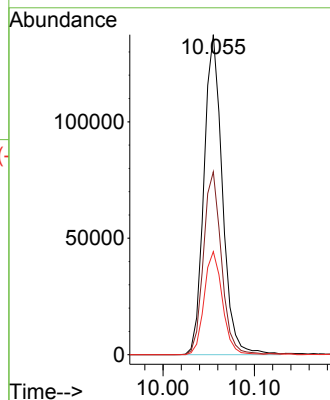
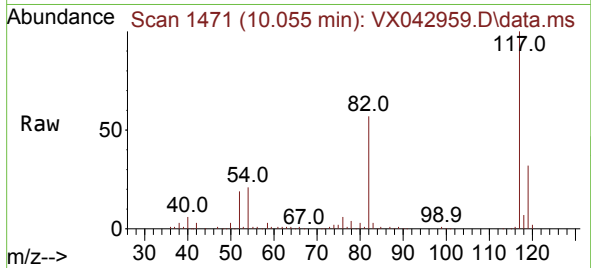




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX042959.D
Acq: 08 Aug 2024 16:56

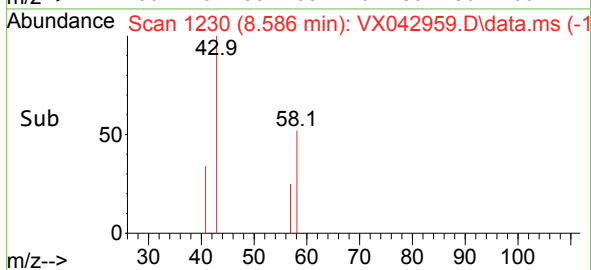
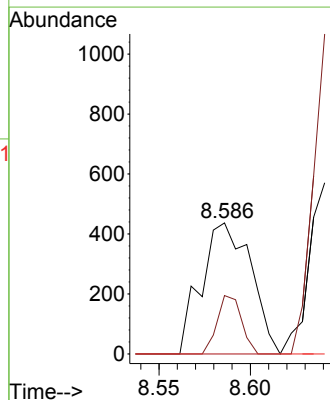
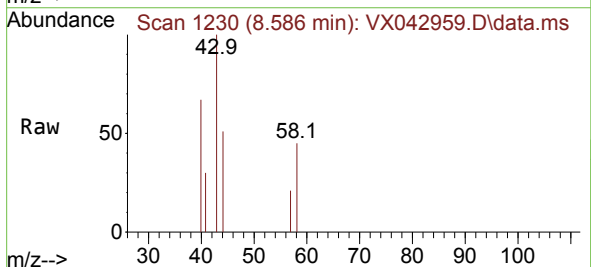
Instrument :
MSVOA_X
ClientSampleId :

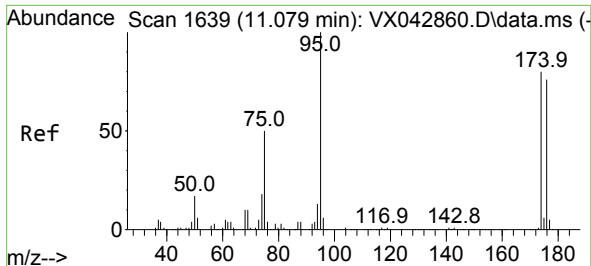
Tgt Ion:117 Resp: 192365
Ion Ratio Lower Upper
117 100
82 55.6 44.9 67.3
119 31.9 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 0.228 ug/l
RT: 8.586 min Scan# 1230
Delta R.T. 0.013 min
Lab File: VX042959.D
Acq: 08 Aug 2024 16:56

Tgt Ion: 43 Resp: 826
Ion Ratio Lower Upper
43 100
58 21.9 31.4 47.0#
85 0.0 14.6 21.8#

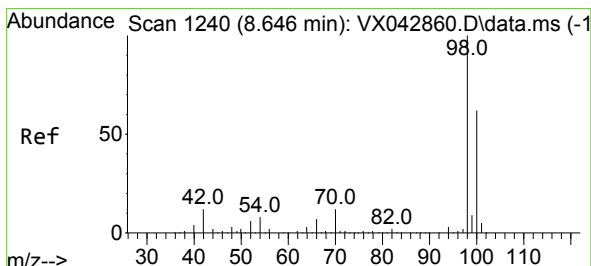
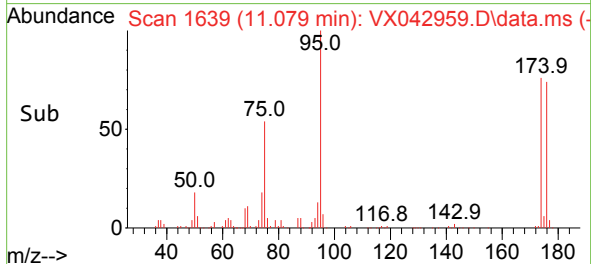
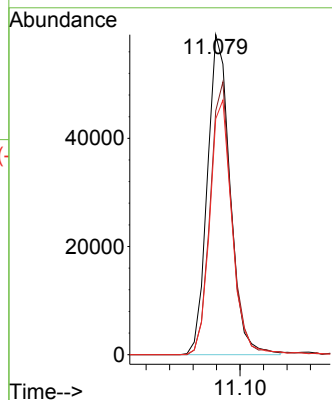
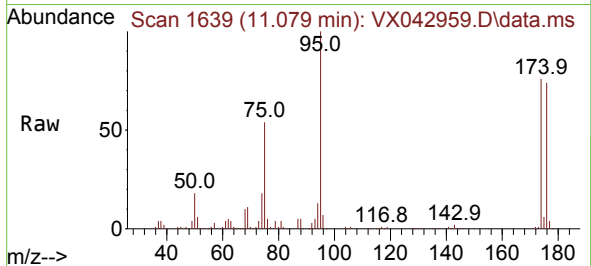




#60
4-Bromofluorobenzene
Concen: 25.281 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042959.D
Acq: 08 Aug 2024 16:56

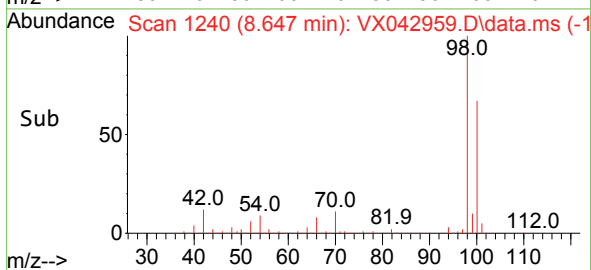
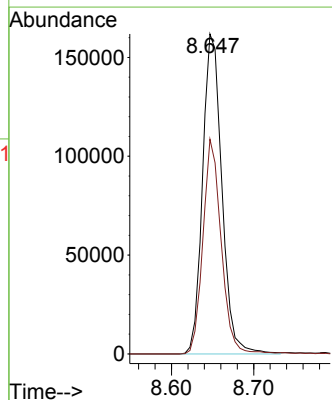
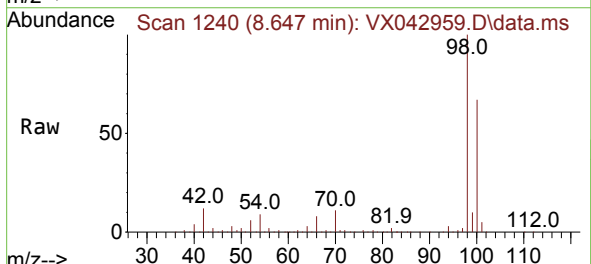
Instrument :
MSVOA_X
ClientSampleId :

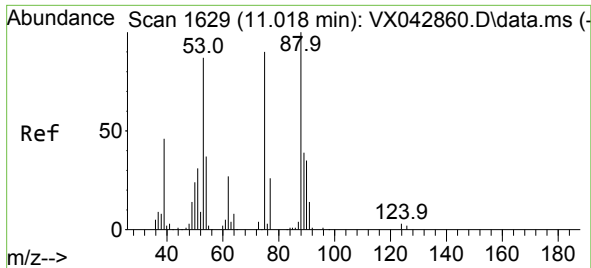
Tgt Ion: 95 Resp: 79340
Ion Ratio Lower Upper
95 100
174 82.1 65.0 97.6
176 78.1 63.4 95.0



#63
Toluene-d8
Concen: 30.373 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX042959.D
Acq: 08 Aug 2024 16:56

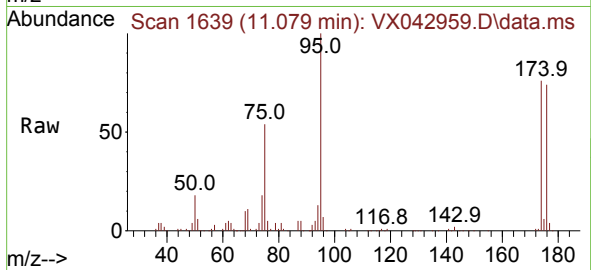
Tgt Ion: 98 Resp: 263914
Ion Ratio Lower Upper
98 100
100 63.0 50.9 76.3





#77
 t-1,4-Dichloro-2-butene
 Concen: 39.124 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX042959.D
 Acq: 08 Aug 2024 16:56

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 42097
 Ion Ratio Lower Upper
 75 100
 53 0.2 48.5 145.5#
 89 0.4 21.9 65.5#

