

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080824\
 Data File : VX042951.D
 Acq On : 08 Aug 2024 13:51
 Operator : JC/MD
 Sample : PB162548ZHE#05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB162548ZHE#05

Quant Time: Aug 09 05:09:15 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)

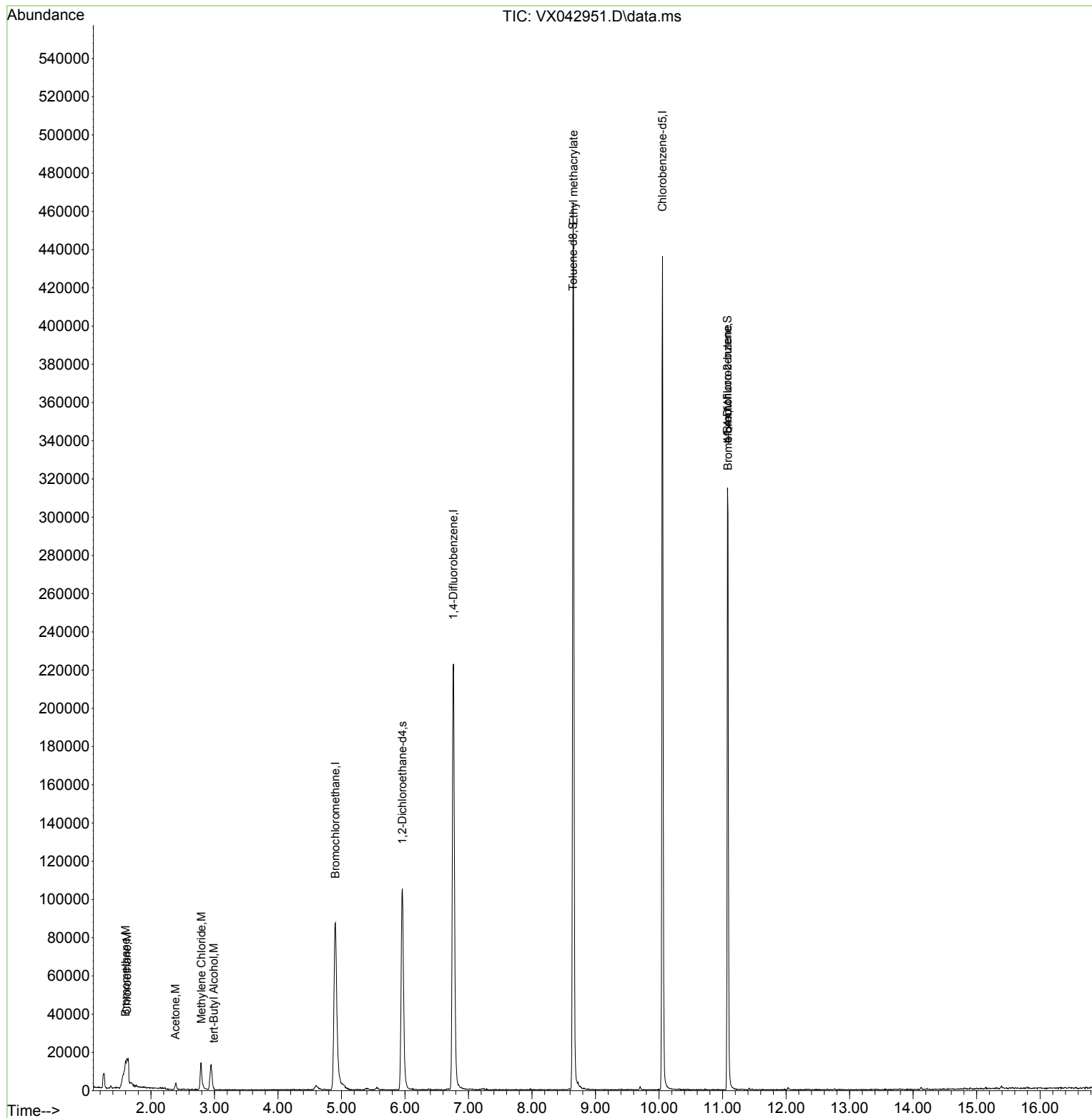
Internal Standards						
1) Bromochloromethane	4.904	128	42085	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	234186	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	202807	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	106685	27.452	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	91.500%	
60) 4-Bromofluorobenzene	11.079	95	85645	25.885	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	86.267%	
63) Toluene-d8	8.647	98	280626	30.633	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	102.100%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	705	0.477	ug/l	94
6) Chloroethane	1.624	64	298	0.207	ug/l #	73
15) Acetone	2.386	58	1306	2.407	ug/l	69
18) Methylene Chloride	2.794	84	7092	2.428	ug/l #	77
23) tert-Butyl Alcohol	2.989	59	257	0.333	ug/l #	100
51) Ethyl methacrylate	8.653	69	915	0.220	ug/l	94
56) Bromoform	11.085	173	950	0.449	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	44143	38.913	ug/l #	11

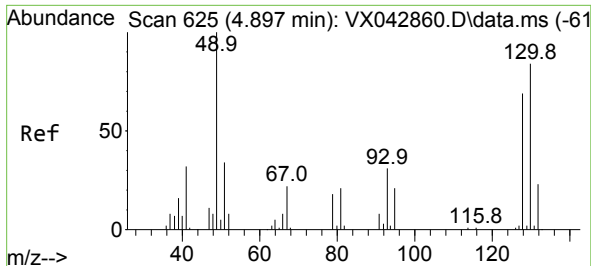
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 07 04:53:59 2024
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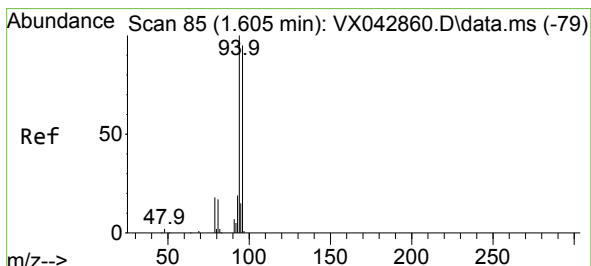
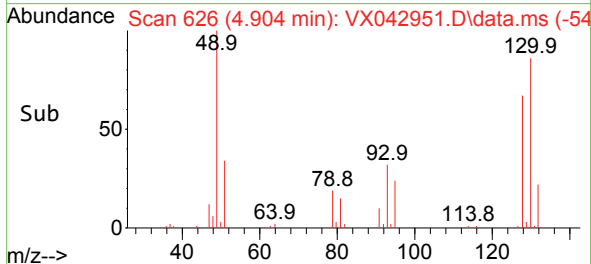
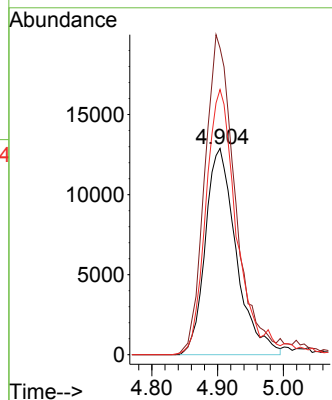
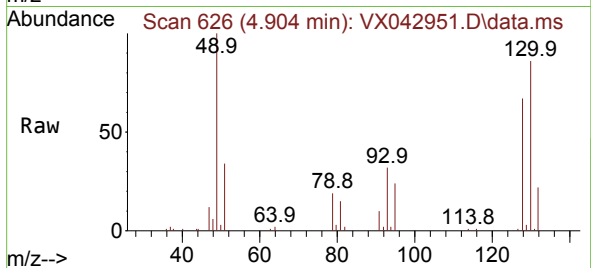




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX042951.D
Acq: 08 Aug 2024 13:51

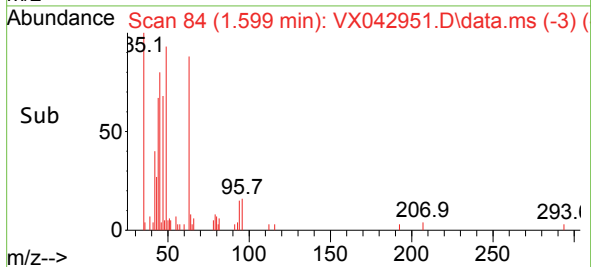
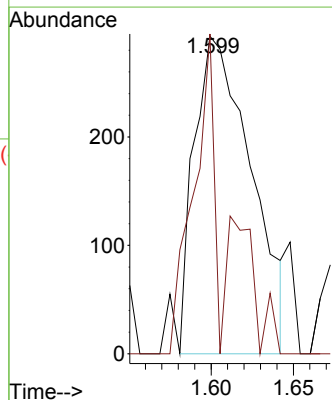
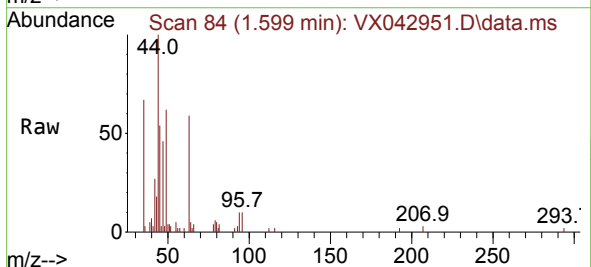
Instrument :
MSVOA_X
ClientSampleId :
PB162548ZHE#05

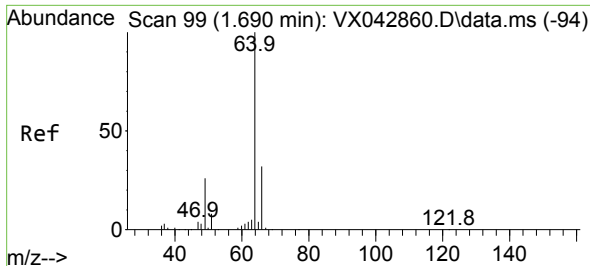
Tgt Ion:128 Resp: 42085
Ion Ratio Lower Upper
128 100
49 152.6 0.0 400.5
130 123.5 0.0 333.0



#5
Bromomethane
Concen: 0.477 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.006 min
Lab File: VX042951.D
Acq: 08 Aug 2024 13:51

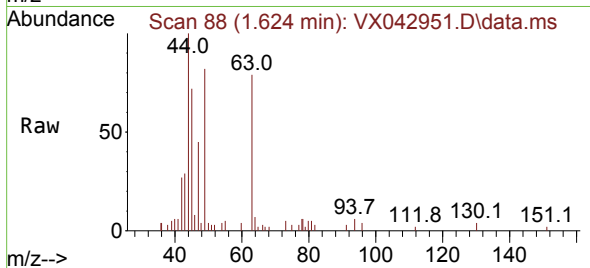
Tgt Ion: 94 Resp: 705
Ion Ratio Lower Upper
94 100
96 100.7 76.2 114.4



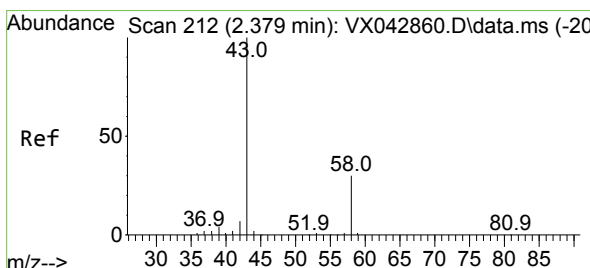
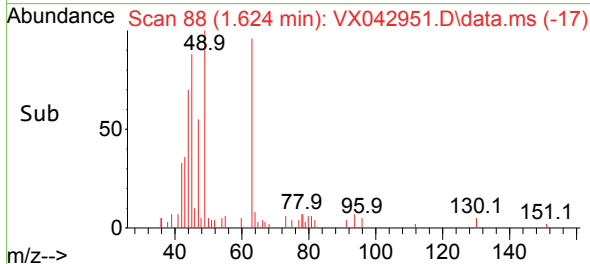
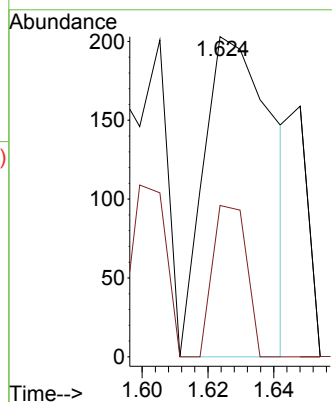


#6
Chloroethane
Concen: 0.207 ug/l
RT: 1.624 min Scan# 81
Delta R.T. -0.067 min
Lab File: VX042951.D
Acq: 08 Aug 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
PB162548ZHE#05

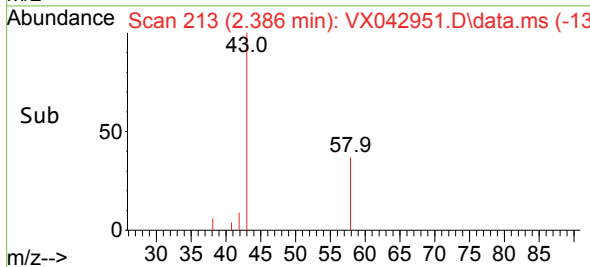
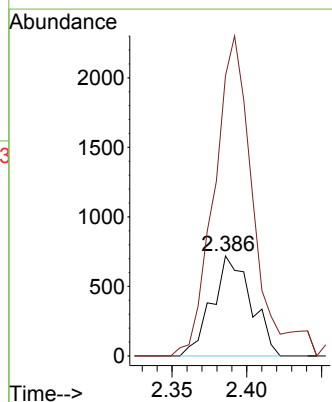
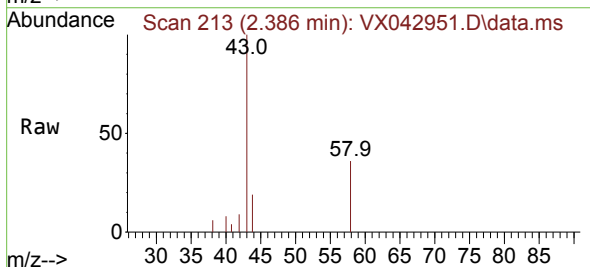


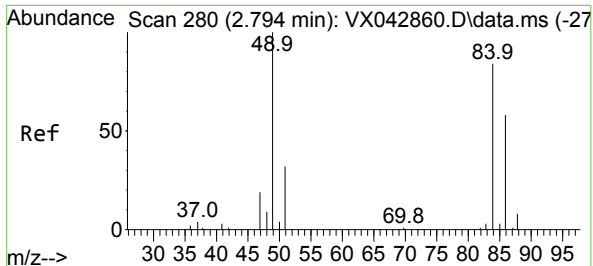
Tgt Ion: 64 Resp: 298
Ion Ratio Lower Upper
64 100
66 47.3 25.9 38.9#



#15
Acetone
Concen: 2.407 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX042951.D
Acq: 08 Aug 2024 13:51

Tgt Ion: 58 Resp: 1306
Ion Ratio Lower Upper
58 100
43 271.9 269.9 404.9

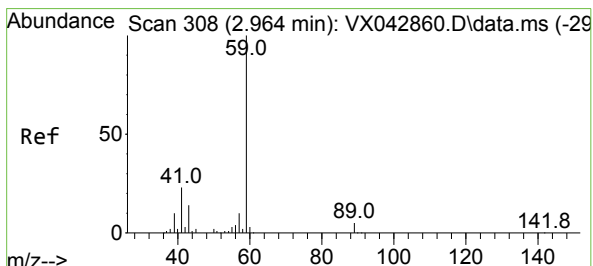
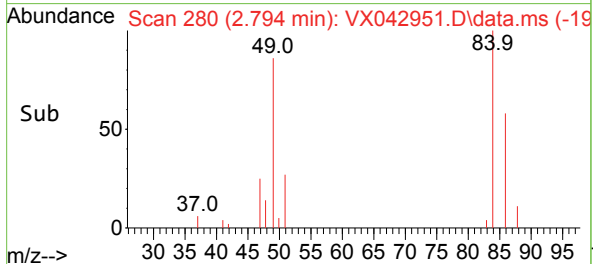
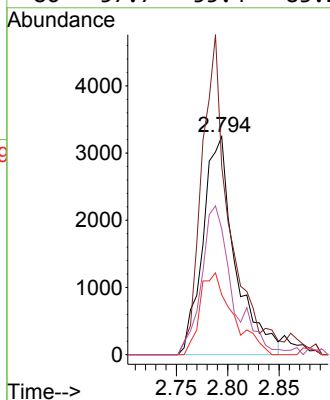
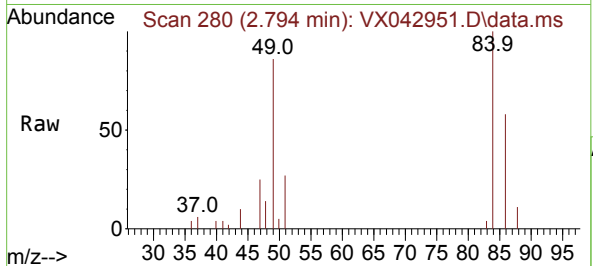




#18
Methylene Chloride
Concen: 2.428 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX042951.D
Acq: 08 Aug 2024 13:51

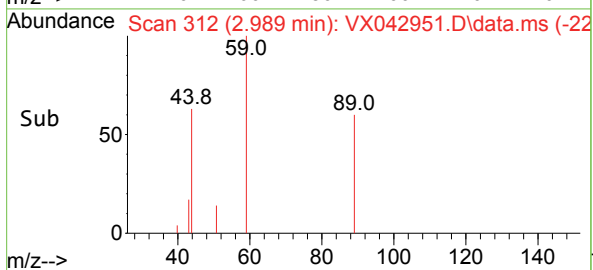
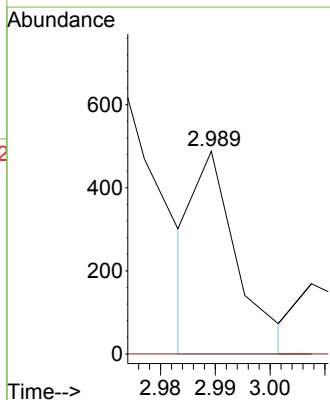
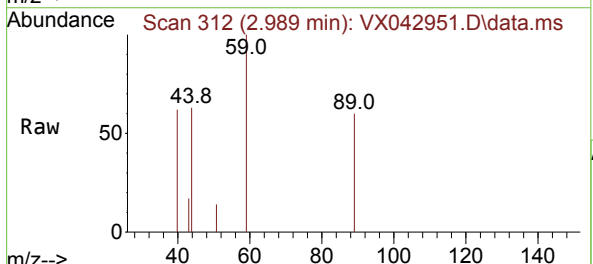
Instrument :
MSVOA_X
ClientSampleId :
PB162548ZHE#05

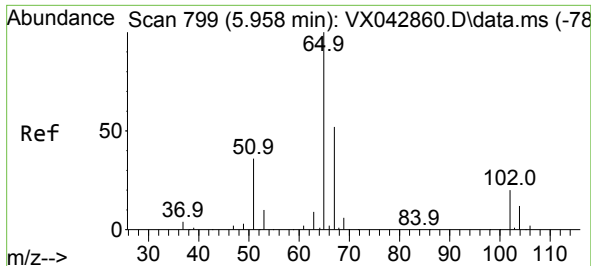
Tgt Ion: 84	Resp:	7092
Ion	Ratio	Lower Upper
84	100	
49	86.4	95.0 142.6#
51	27.4	30.1 45.1#
86	57.7	55.4 83.2



#23
tert-Butyl Alcohol
Concen: 0.333 ug/l
RT: 2.989 min Scan# 312
Delta R.T. 0.025 min
Lab File: VX042951.D
Acq: 08 Aug 2024 13:51

Tgt Ion: 59	Resp:	257
Ion	Ratio	Lower Upper
59	100	
52	0.0	0.1 0.1#

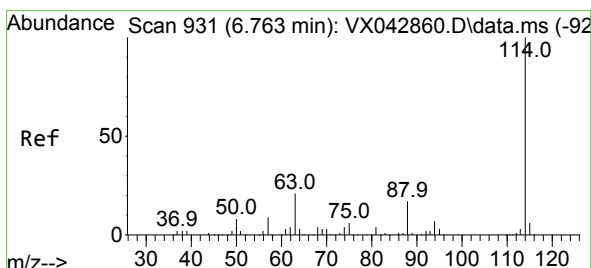
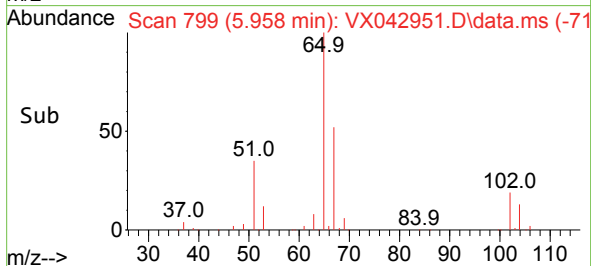
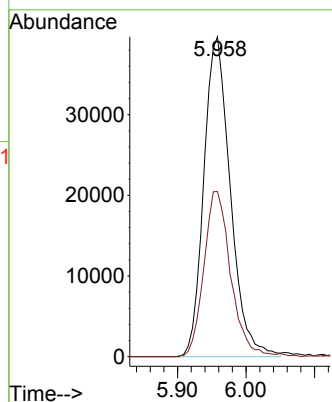
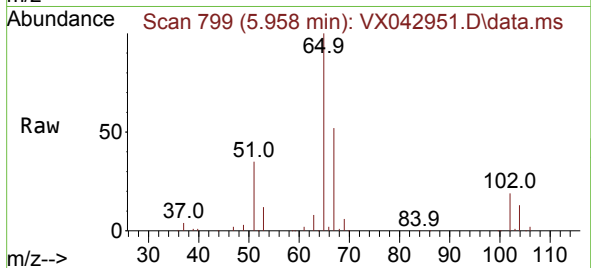




#27
1,2-Dichloroethane-d4
Concen: 27.452 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX042951.D
Acq: 08 Aug 2024 13:51

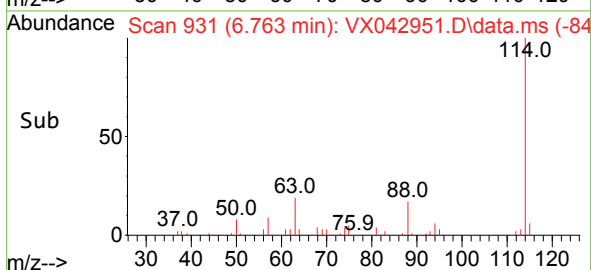
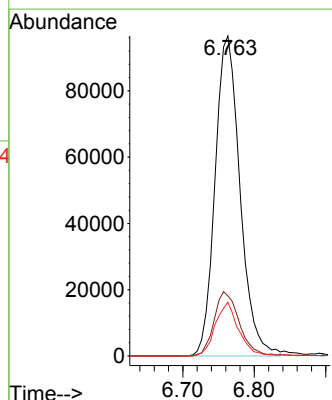
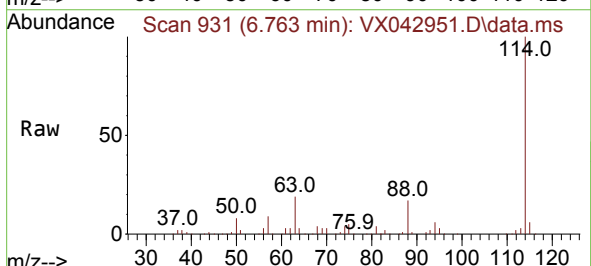
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ClientSampleId :
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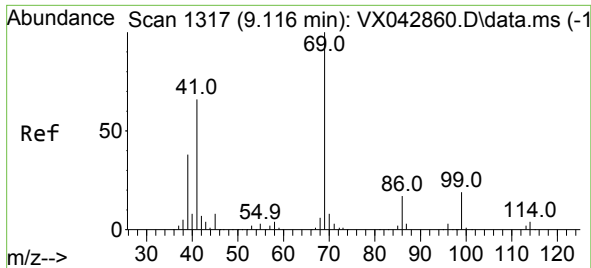
Tgt Ion: 65 Resp: 106685
Ion Ratio Lower Upper
65 100
67 52.2 40.6 60.8



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX042951.D
Acq: 08 Aug 2024 13:51

Tgt Ion: 114 Resp: 234186
Ion Ratio Lower Upper
114 100
63 20.5 16.0 24.0
88 15.6 12.5 18.7

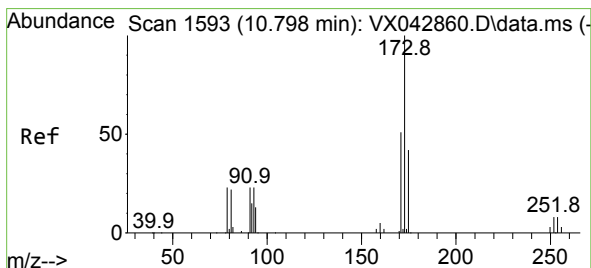
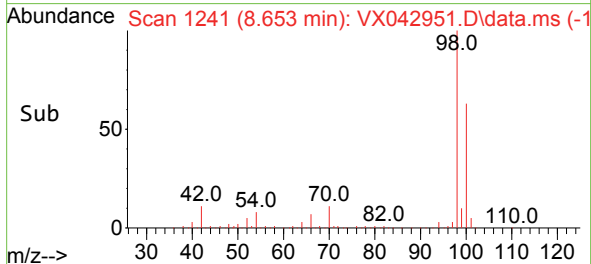
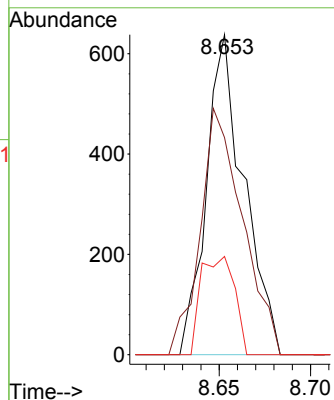
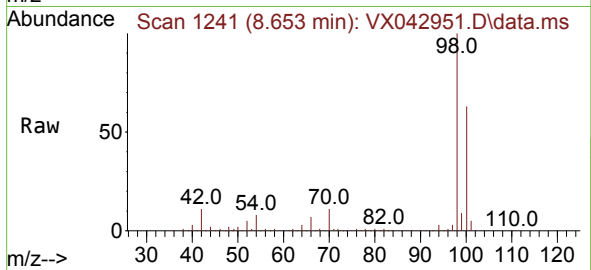




#51
Ethyl methacrylate
Concen: 0.220 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.463 min
Lab File: VX042951.D
Acq: 08 Aug 2024 13:51

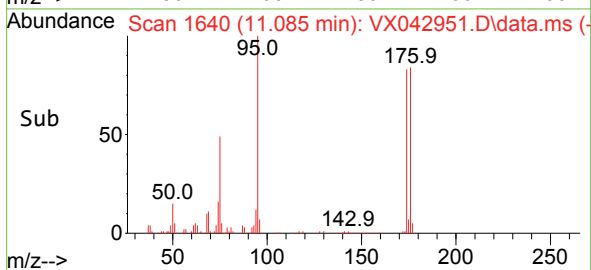
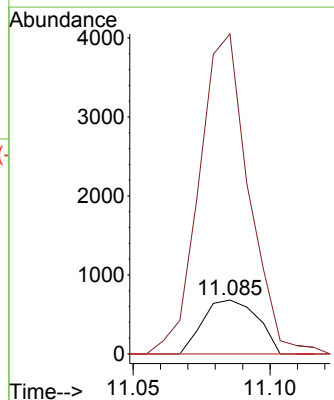
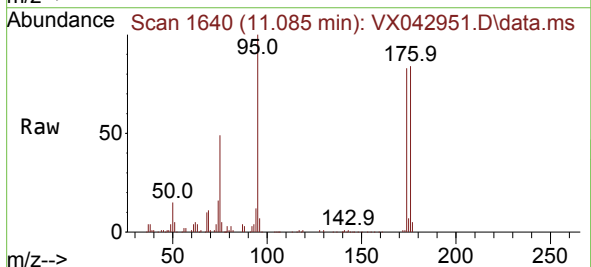
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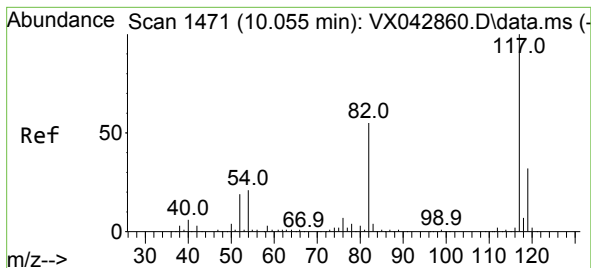
Tgt Ion: 69 Resp: 915
Ion Ratio Lower Upper
69 100
41 67.9 33.1 99.2
39 30.7 18.8 56.3



#56
Bromoform
Concen: 0.449 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.287 min
Lab File: VX042951.D
Acq: 08 Aug 2024 13:51

Tgt Ion: 173 Resp: 950
Ion Ratio Lower Upper
173 100
175 535.2 37.1 55.7#
254 0.0 6.6 10.0#

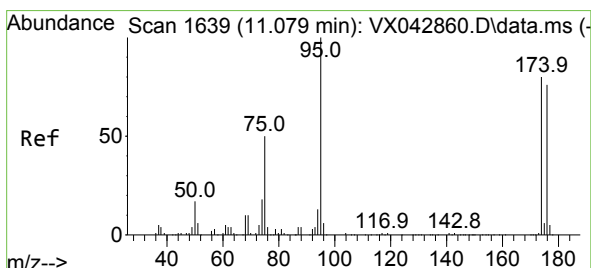
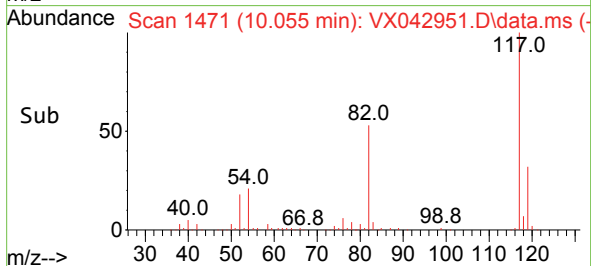
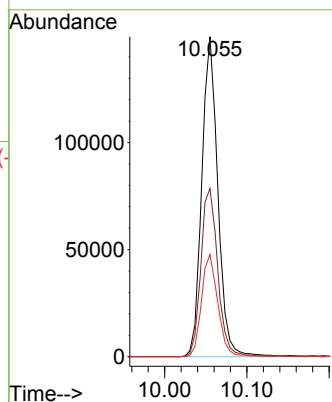
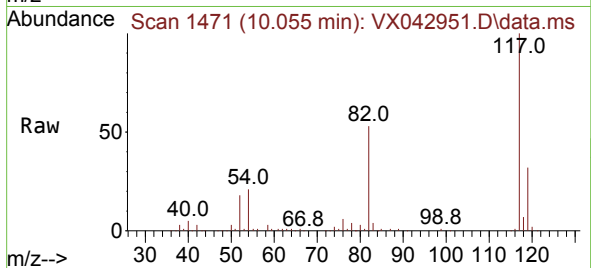




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX042951.D
Acq: 08 Aug 2024 13:51

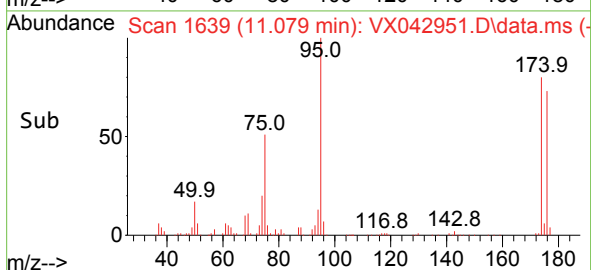
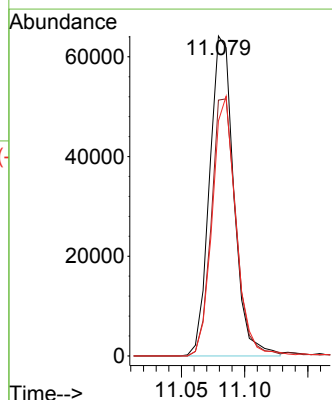
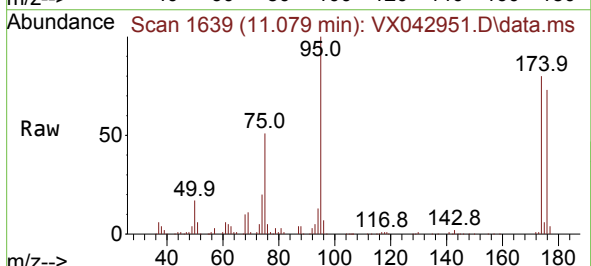
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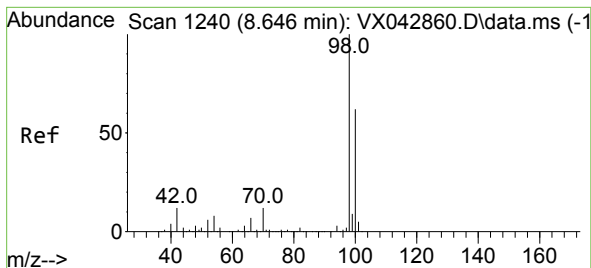
Tgt Ion:117 Resp: 202807
Ion Ratio Lower Upper
117 100
82 55.5 44.9 67.3
119 32.1 25.4 38.2



#60
4-Bromofluorobenzene
Concen: 25.885 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042951.D
Acq: 08 Aug 2024 13:51

Tgt Ion: 95 Resp: 85645
Ion Ratio Lower Upper
95 100
174 81.5 65.0 97.6
176 79.2 63.4 95.0





#63

Toluene-d8

Concen: 30.633 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX042951.D

Acq: 08 Aug 2024 13:51

Instrument :

MSVOA_X

ClientSampleId :

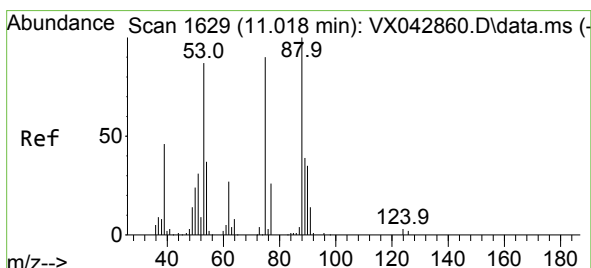
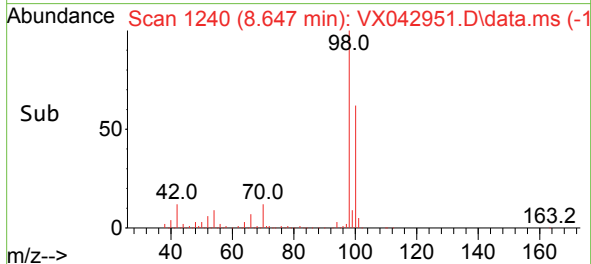
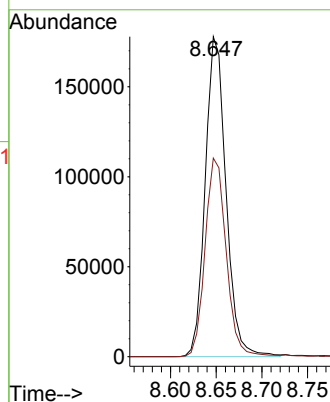
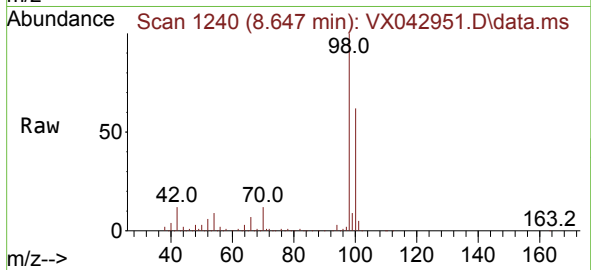
PB162548ZHE#05

Tgt Ion: 98 Resp: 280626

Ion Ratio Lower Upper

98 100

100 63.1 50.9 76.3



#77

t-1,4-Dichloro-2-butene

Concen: 38.913 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX042951.D

Acq: 08 Aug 2024 13:51

Tgt Ion: 75 Resp: 44143

Ion Ratio Lower Upper

75 100

53 0.0 48.5 145.5#

89 0.2 21.9 65.5#

