

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061424\
 Data File : VX041895.D
 Acq On : 14 Jun 2024 22:04
 Operator : JC/MD
 Sample : P2865-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 240611033-02

Quant Time: Jun 15 04:18:11 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)

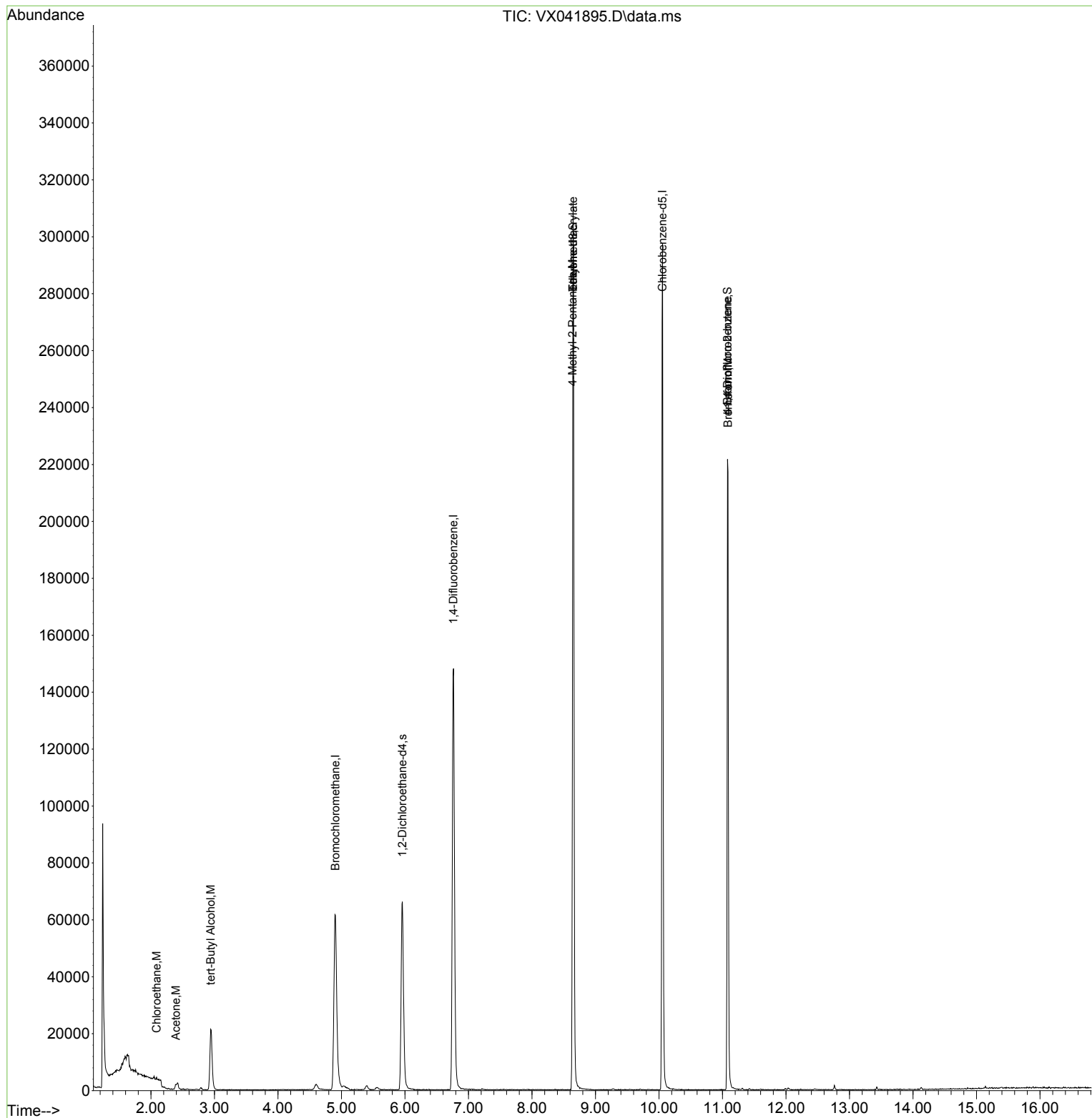
Internal Standards						
1) Bromochloromethane	4.904	128	32128	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	166776	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	149371	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	63550	28.734	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	95.767%
60) 4-Bromofluorobenzene	11.079	95	61726	26.696	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	89.000%
63) Toluene-d8	8.647	98	192829	30.174	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.567%
Target Compounds						
					Qvalue	
6) Chloroethane	2.087	64	223	0.230	ug/l #	42
15) Acetone	2.392	58	755	2.221	ug/l #	55
23) tert-Butyl Alcohol	2.941	59	13544	30.661	ug/l #	100
51) Ethyl methacrylate	8.647	69	613	0.208	ug/l	95
56) Bromoform	11.086	173	413	0.249	ug/l #	1
58) 4-Methyl-2-Pentanone	8.641	43	769	0.287	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	28013	32.420	ug/l #	7

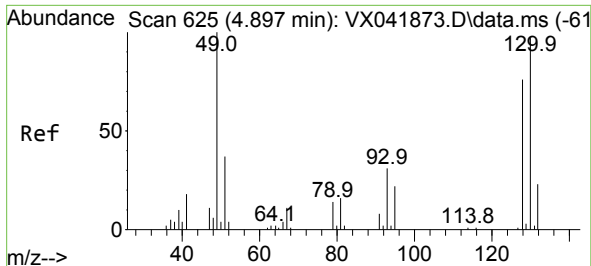
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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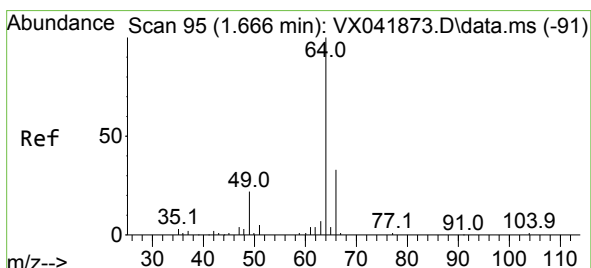
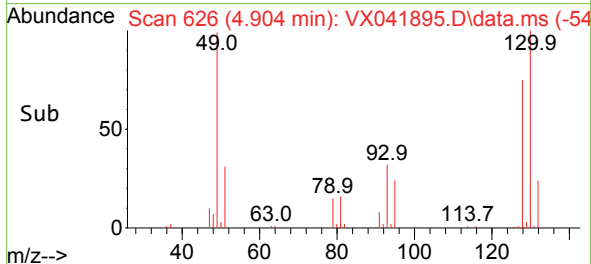
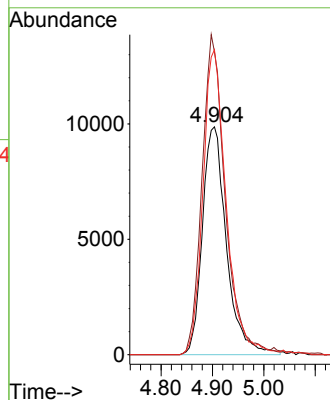
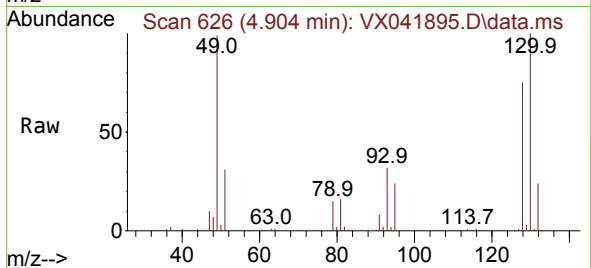




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX041895.D
Acq: 14 Jun 2024 22:04

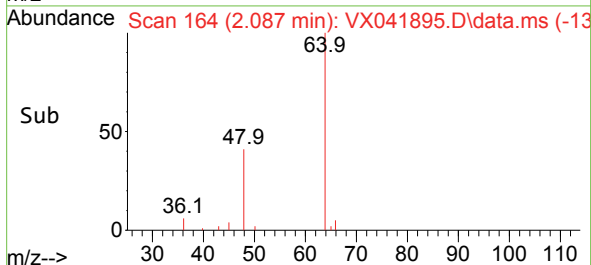
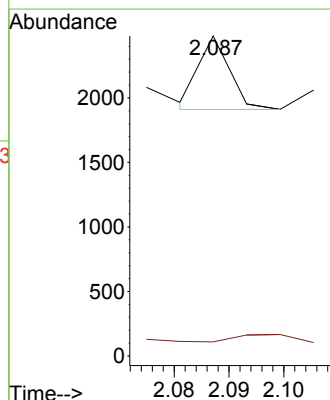
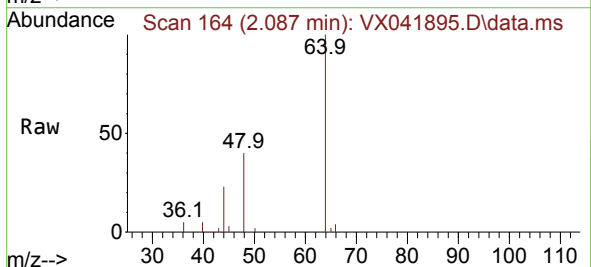
Instrument :
MSVOA_X
ClientSampleId :
240611033-02

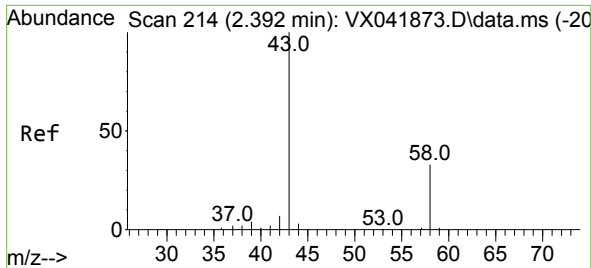
Tgt Ion:128 Resp: 32128
Ion Ratio Lower Upper
128 100
49 132.6 0.0 338.5
130 129.5 0.0 324.5



#6
Chloroethane
Concen: 0.230 ug/l
RT: 2.087 min Scan# 164
Delta R.T. 0.421 min
Lab File: VX041895.D
Acq: 14 Jun 2024 22:04

Tgt Ion: 64 Resp: 223
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#





#15

Acetone

Concen: 2.221 ug/l

RT: 2.392 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX041895.D

Acq: 14 Jun 2024 22:04

Instrument :

MSVOA_X

ClientSampleId :

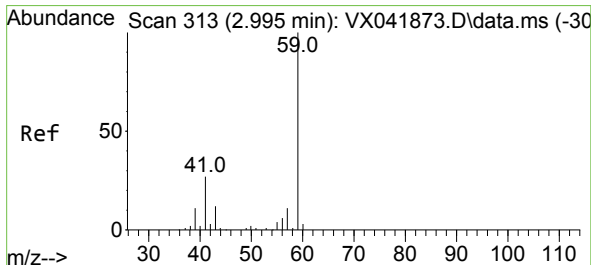
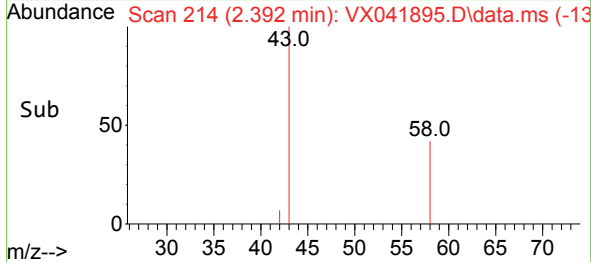
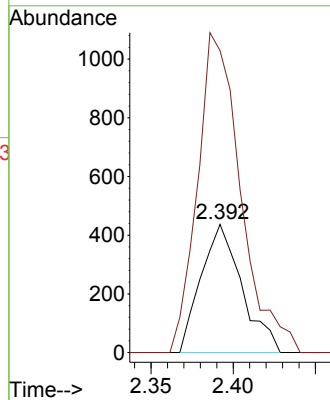
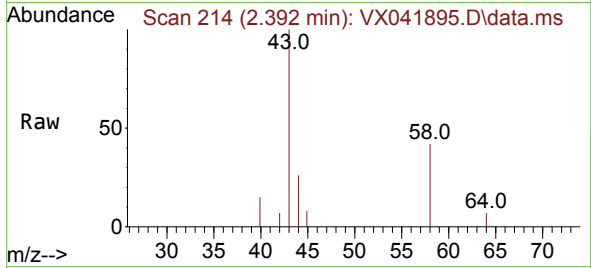
240611033-02

Tgt Ion: 58 Resp: 755

Ion Ratio Lower Upper

58 100

43 215.3 243.4 365.2#



#23

tert-Butyl Alcohol

Concen: 30.661 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.055 min

Lab File: VX041895.D

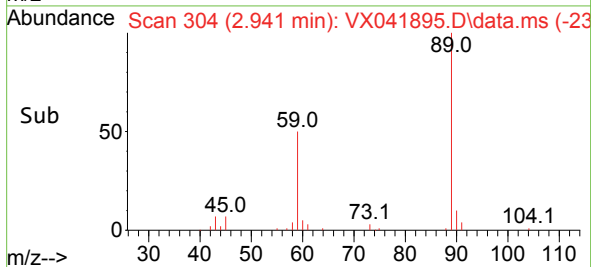
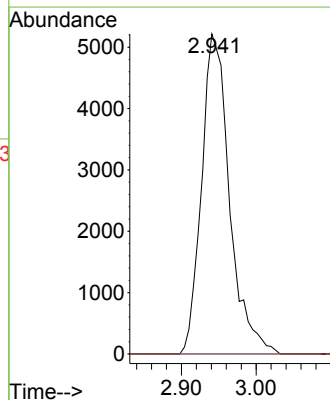
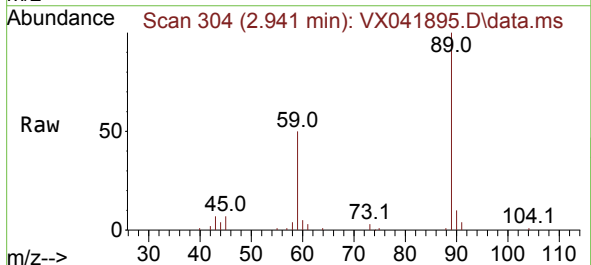
Acq: 14 Jun 2024 22:04

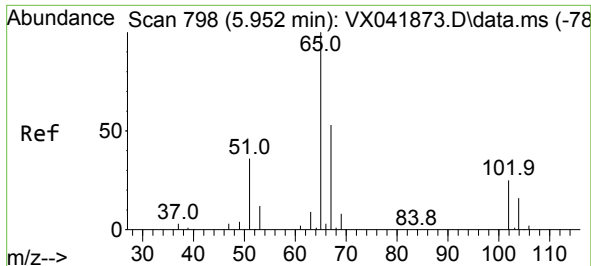
Tgt Ion: 59 Resp: 13544

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0





#27

1,2-Dichloroethane-d4

Concen: 28.734 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX041895.D

Acq: 14 Jun 2024 22:04

Instrument :

MSVOA_X

ClientSampleId :

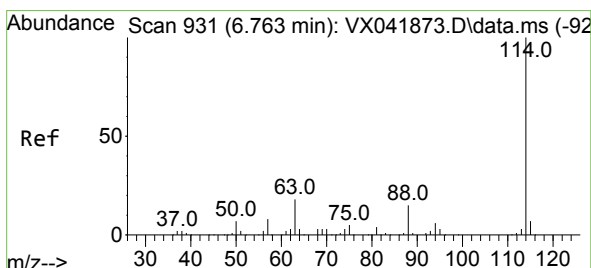
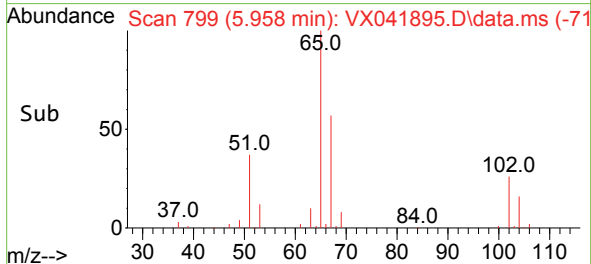
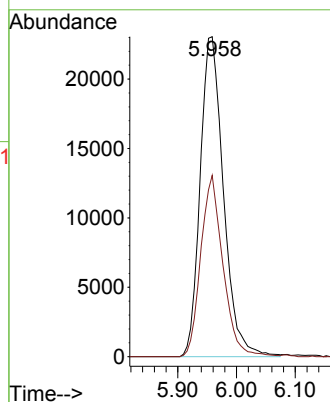
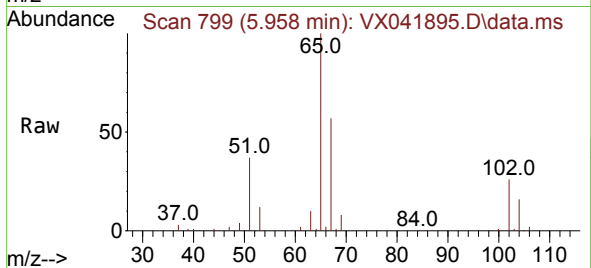
240611033-02

Tgt Ion: 65 Resp: 63550

Ion Ratio Lower Upper

65 100

67 53.9 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: VX041895.D

Acq: 14 Jun 2024 22:04

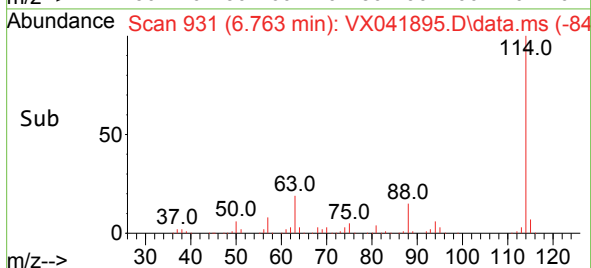
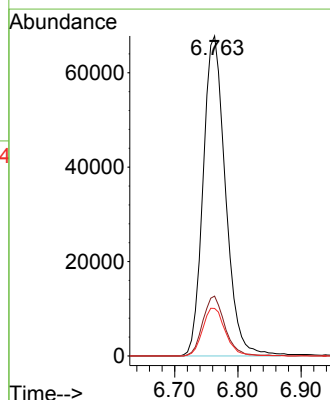
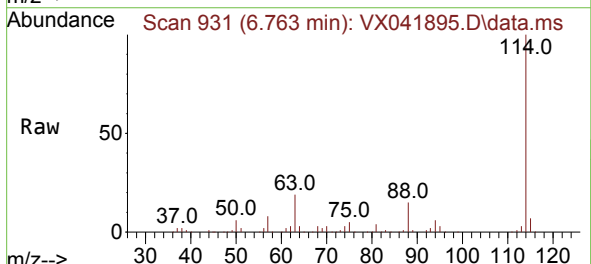
Tgt Ion: 114 Resp: 166776

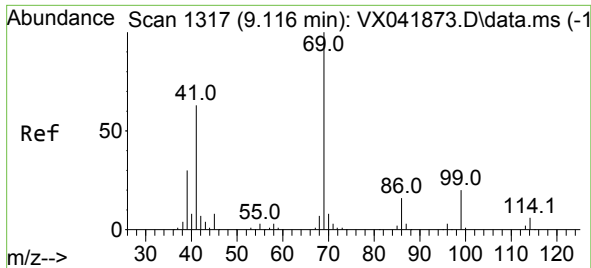
Ion Ratio Lower Upper

114 100

63 18.4 14.6 21.8

88 15.1 11.8 17.8

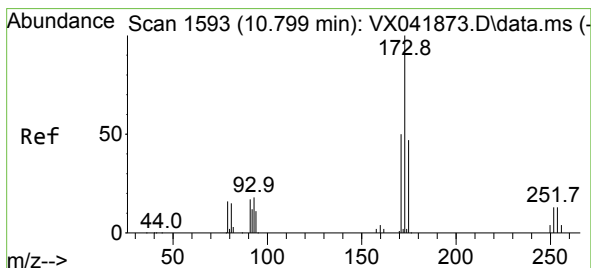
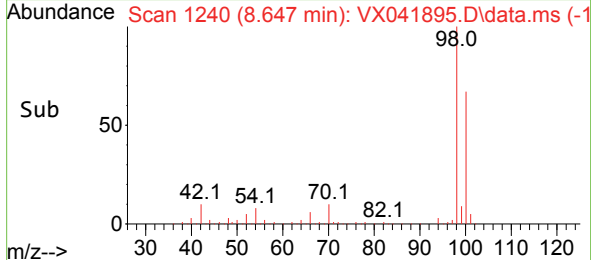
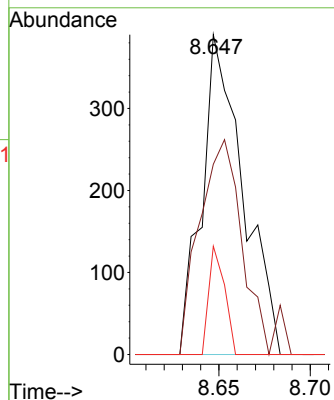
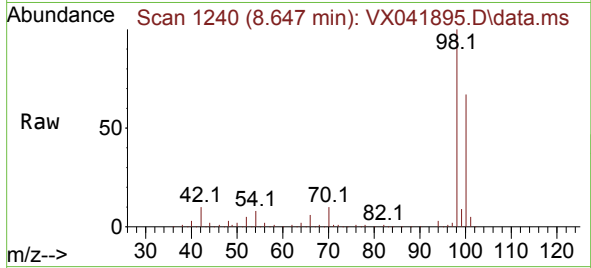




#51
Ethyl methacrylate
Concen: 0.208 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.469 min
Lab File: VX041895.D
Acq: 14 Jun 2024 22:04

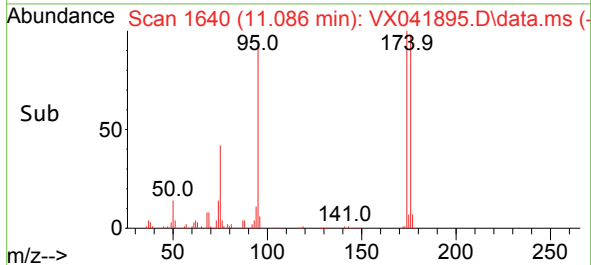
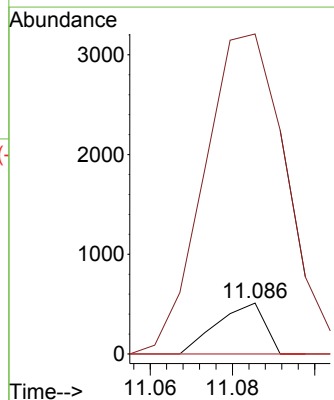
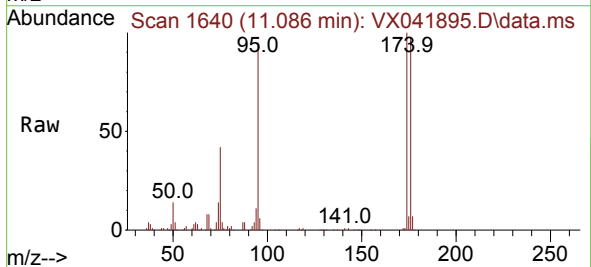
Instrument :
MSVOA_X
ClientSampleId :
240611033-02

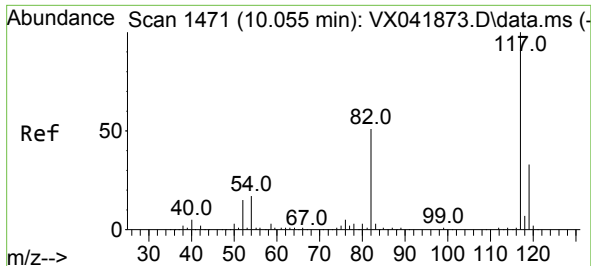
Tgt Ion: 69 Resp: 613
Ion Ratio Lower Upper
69 100
41 59.5 31.6 94.7
39 33.8 15.3 45.8



#56
Bromoform
Concen: 0.249 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. 0.287 min
Lab File: VX041895.D
Acq: 14 Jun 2024 22:04

Tgt Ion:173 Resp: 413
Ion Ratio Lower Upper
173 100
175 1095.9 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: VX041895.D

Acq: 14 Jun 2024 22:04

Instrument :

MSVOA_X

ClientSampleId :

240611033-02

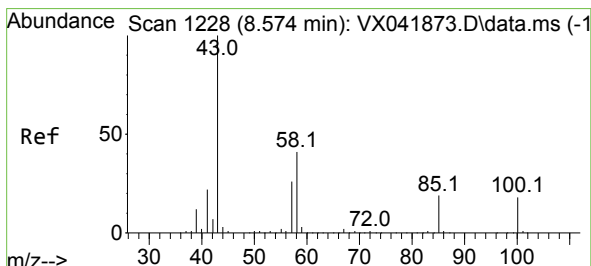
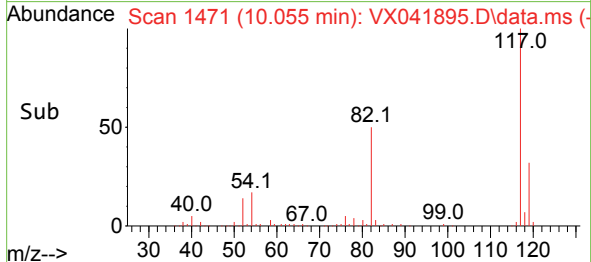
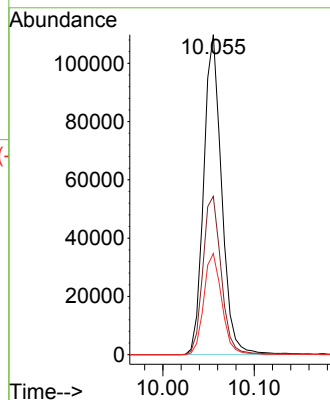
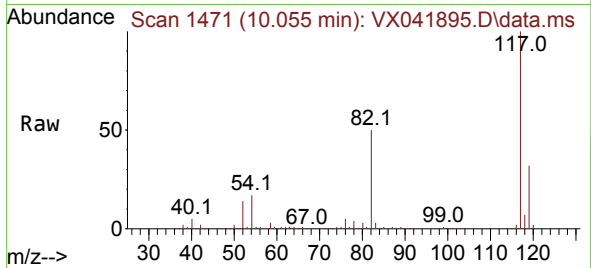
Tgt Ion:117 Resp: 149371

Ion Ratio Lower Upper

117 100

82 50.7 41.1 61.7

119 31.9 26.1 39.1



#58

4-Methyl-2-Pentanone

Concen: 0.287 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. 0.067 min

Lab File: VX041895.D

Acq: 14 Jun 2024 22:04

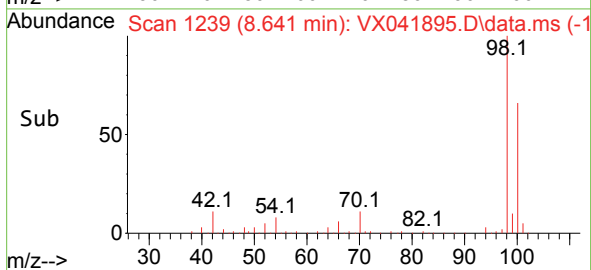
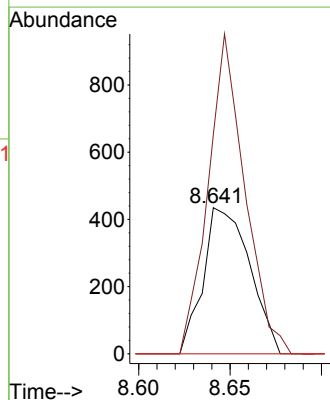
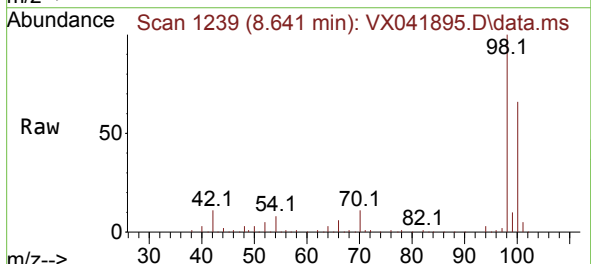
Tgt Ion: 43 Resp: 769

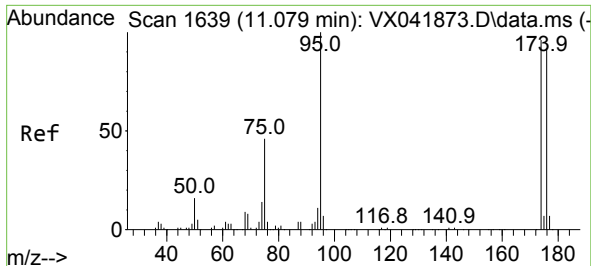
Ion Ratio Lower Upper

43 100

58 173.2 33.2 49.8#

85 0.0 15.5 23.3#

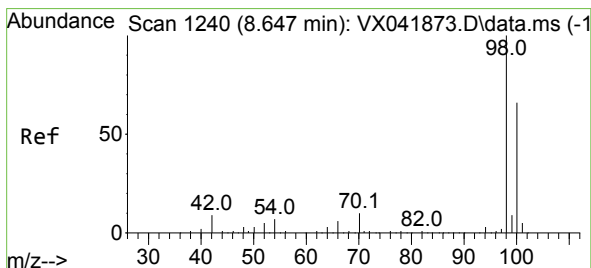
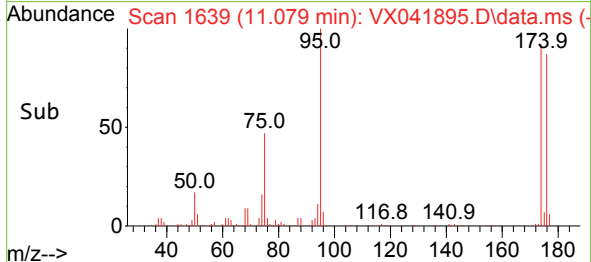
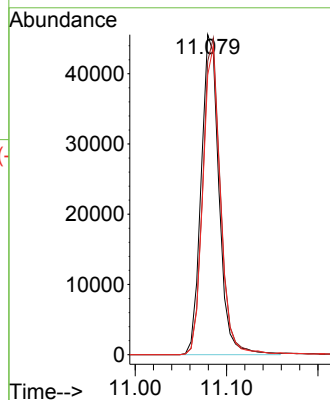
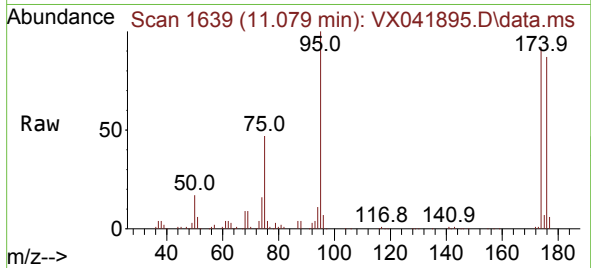




#60
4-Bromofluorobenzene
Concen: 26.696 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041895.D
Acq: 14 Jun 2024 22:04

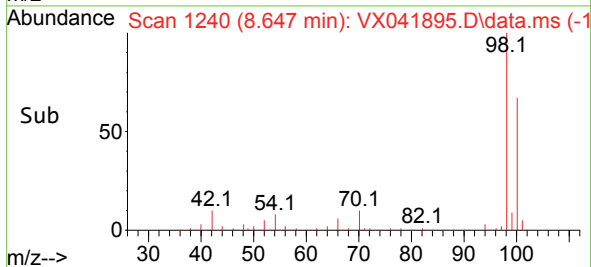
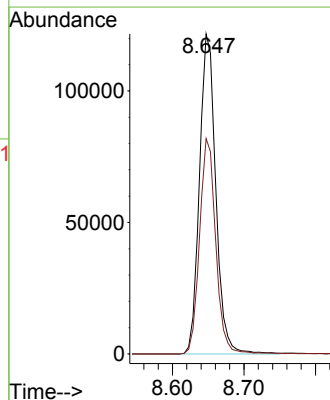
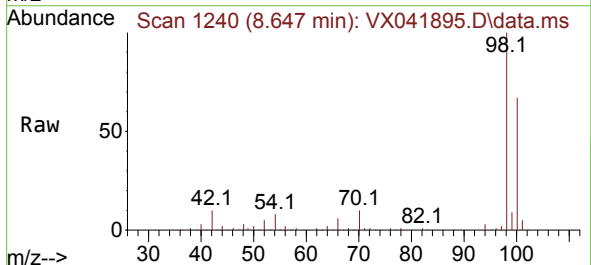
Instrument :
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240611033-02

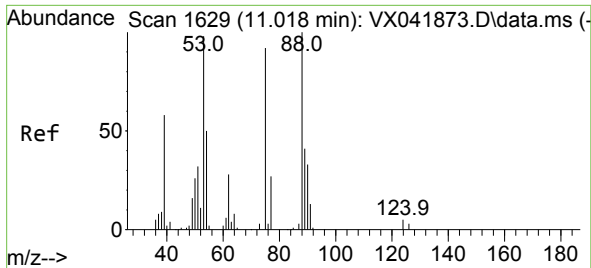
Tgt Ion: 95 Resp: 61726
Ion Ratio Lower Upper
95 100
174 97.7 78.9 118.3
176 94.5 77.1 115.7



#63
Toluene-d8
Concen: 30.174 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX041895.D
Acq: 14 Jun 2024 22:04

Tgt Ion: 98 Resp: 192829
Ion Ratio Lower Upper
98 100
100 66.3 52.7 79.1





#77
 t-1,4-Dichloro-2-butene
 Concen: 32.420 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX041895.D
 Acq: 14 Jun 2024 22:04

Instrument :
 MSVOA_X
 ClientSampleId :
 240611033-02

Tgt Ion: 75 Resp: 28013
 Ion Ratio Lower Upper
 75 100
 53 0.0 53.4 160.2#
 89 0.0 22.5 67.5#

