

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061523\
 Data File : VX036171.D
 Acq On : 15 Jun 2023 15:52
 Operator : JC/MD
 Sample : 03278-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-TB-20230614

Quant Time: Jun 16 07:56:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X052323W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 23 11:36:37 2023
 Response via : Initial Calibration

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

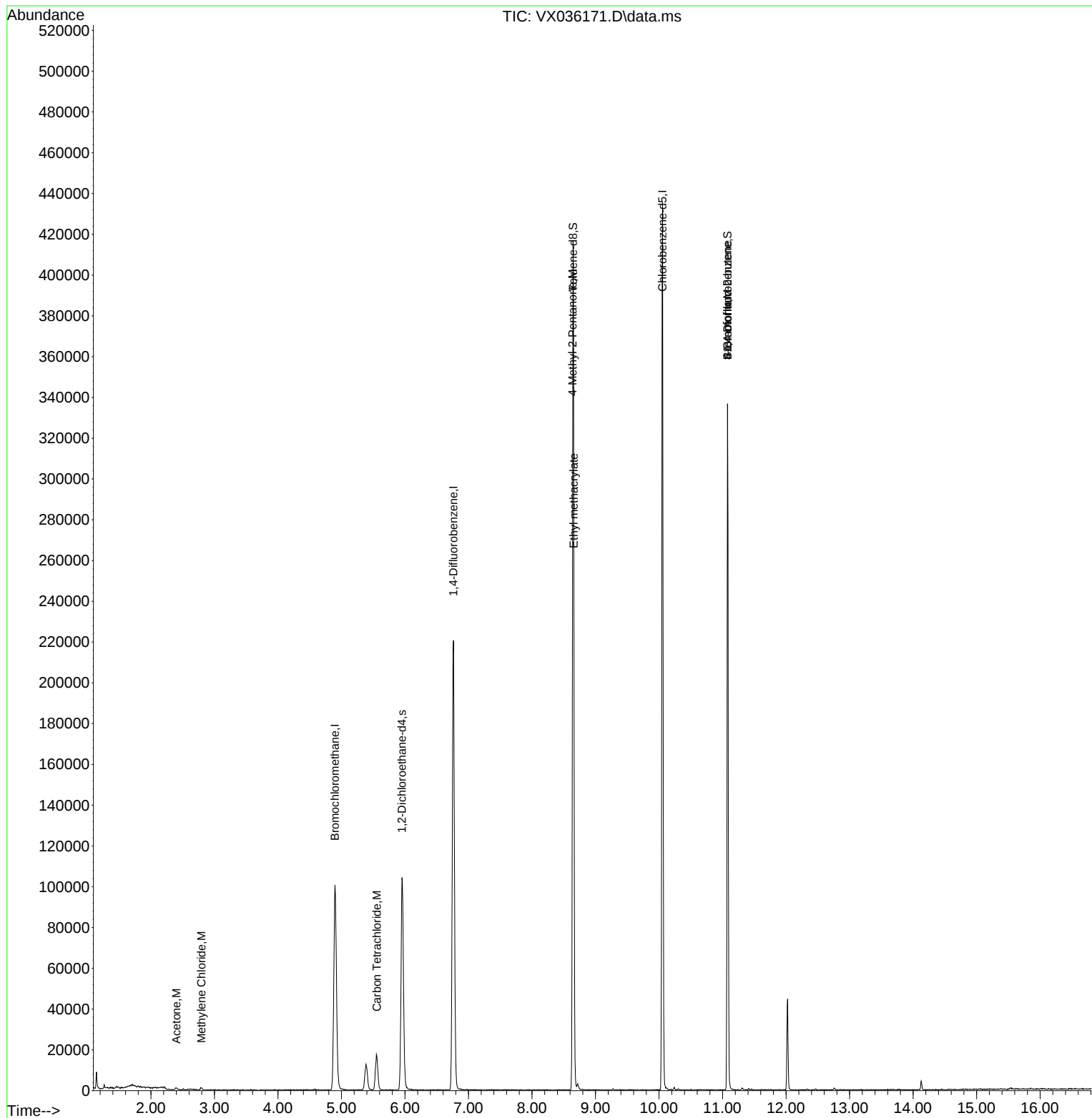
Internal Standards						
1) Bromochloromethane	4.897	128	38790	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	205919	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	180959	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	106430	33.022	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	110.067%#
60) 4-Bromofluorobenzene	11.079	95	88155	29.032	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.767%
63) Toluene-d8	8.647	98	232322	29.041	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.800%
Target Compounds						
					Qvalue	
15) Acetone	2.398	58	461	1.119	ug/l #	36
18) Methylene Chloride	2.794	84	561	0.222	ug/l #	69
33) Carbon Tetrachloride	5.556	117	945	0.357	ug/l #	14
51) Ethyl methacrylate	8.659	69	908	0.250	ug/l #	76
56) Bromoform	11.079	173	630	0.450	ug/l #	1
58) 4-Methyl-2-Pentanone	8.641	43	1278	0.364	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	50034	53.382	ug/l #	4

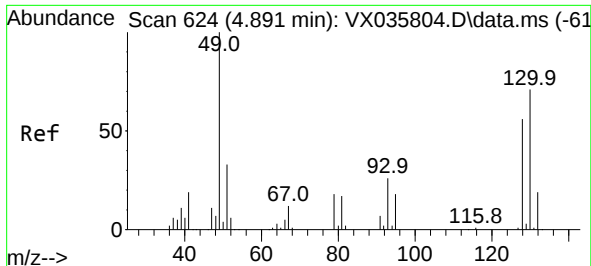
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X052323W.M
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QLast Update : Tue May 23 11:36:37 2023
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.897 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX036171.D

Acq: 15 Jun 2023 15:52

Instrument :

MSVOA_X

ClientSampleId :

TT-TB-20230614

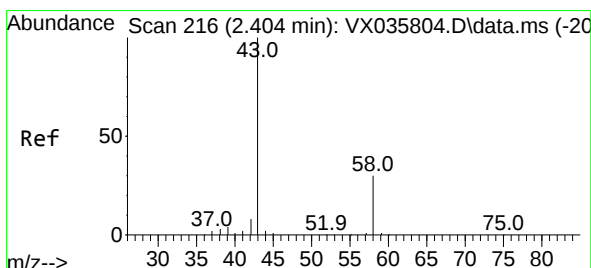
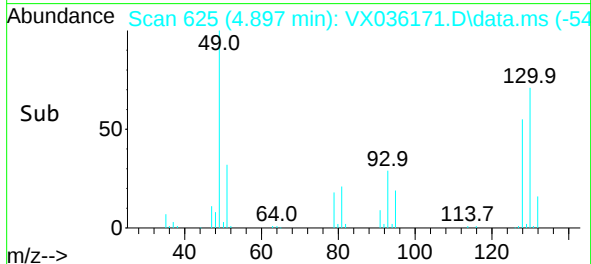
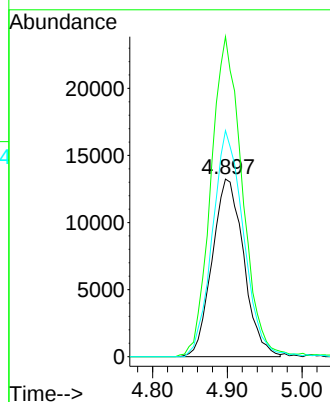
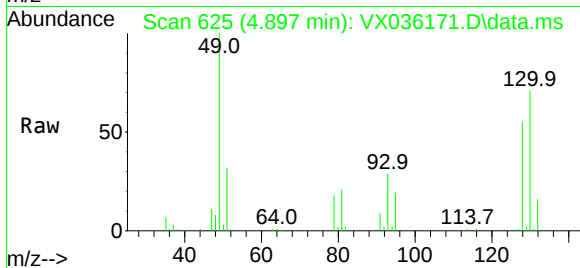
Tgt Ion:128 Resp: 38790

Ion Ratio Lower Upper

128 100

49 178.6 0.0 428.8

130 125.8 0.0 310.8



#15

Acetone

Concen: 1.119 ug/l

RT: 2.398 min Scan# 215

Delta R.T. -0.006 min

Lab File: VX036171.D

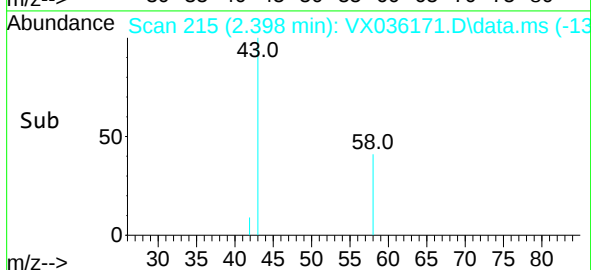
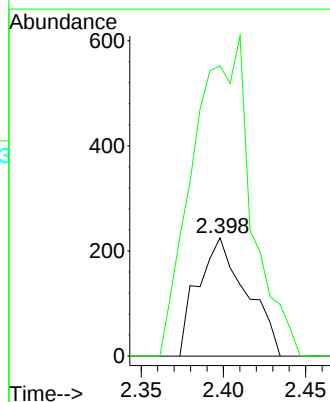
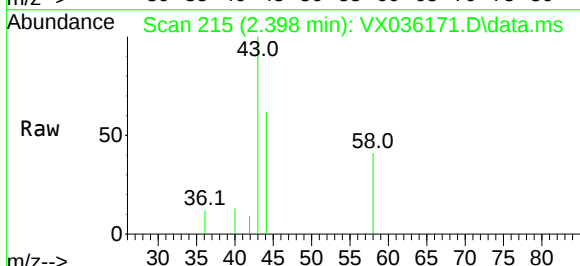
Acq: 15 Jun 2023 15:52

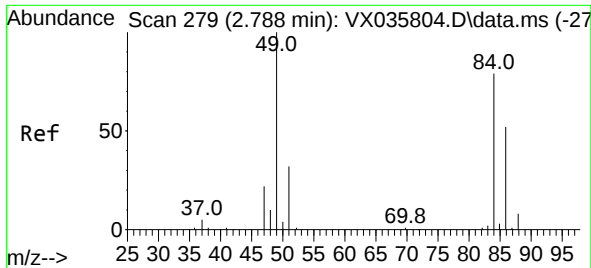
Tgt Ion: 58 Resp: 461

Ion Ratio Lower Upper

58 100

43 201.8 270.8 406.2#

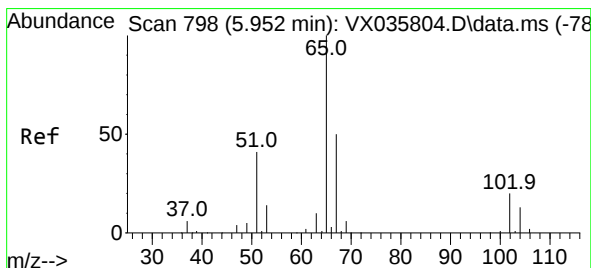
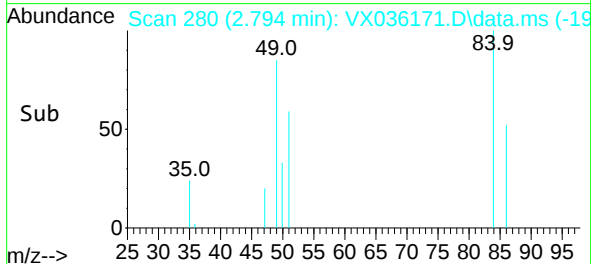
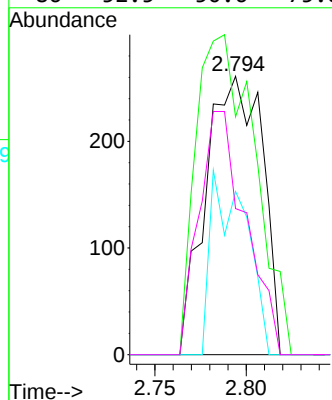
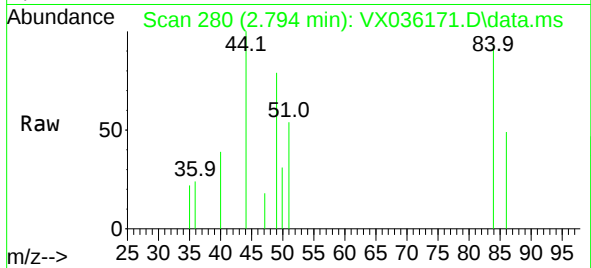




#18
Methylene Chloride
Concen: 0.222 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX036171.D
Acq: 15 Jun 2023 15:52

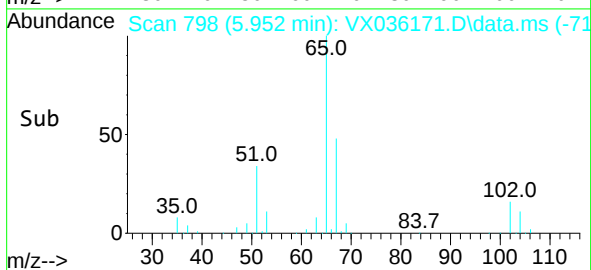
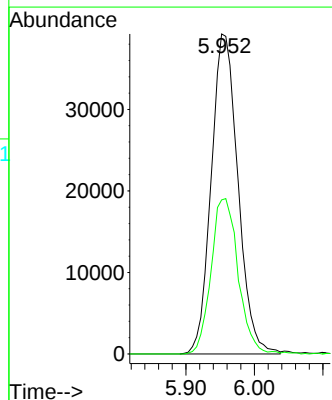
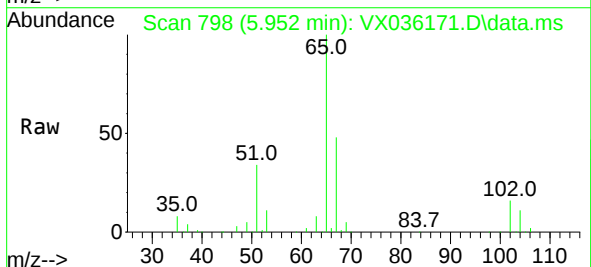
Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20230614

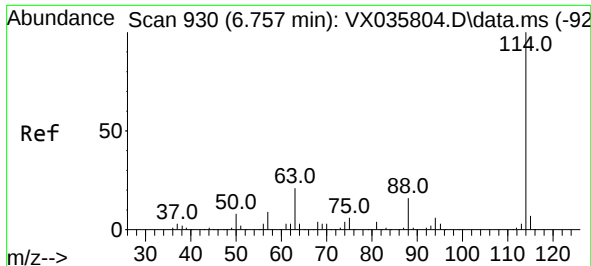
Tgt Ion: 84	Resp: 561
Ion Ratio	Lower Upper
84 100	
49 85.4	103.9 155.9#
51 58.6	30.6 45.8#
86 52.5	50.6 75.8



#27
1,2-Dichloroethane-d4
Concen: 33.022 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX036171.D
Acq: 15 Jun 2023 15:52

Tgt Ion: 65	Resp: 106430
Ion Ratio	Lower Upper
65 100	
67 48.8	40.9 61.3





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX036171.D

Acq: 15 Jun 2023 15:52

Instrument :

MSVOA_X

ClientSampleId :

TT-TB-20230614

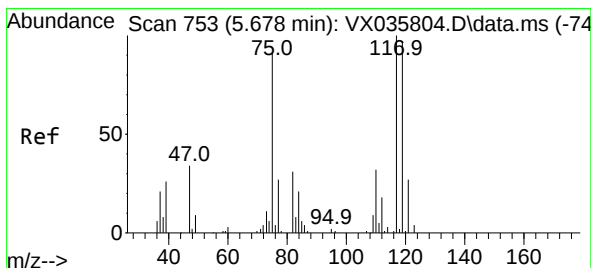
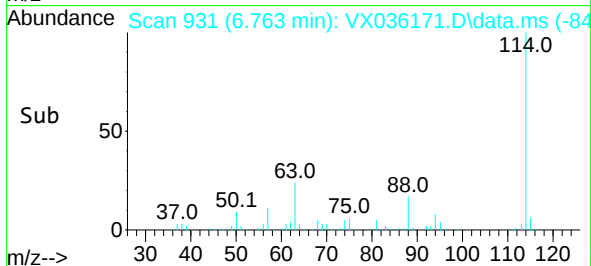
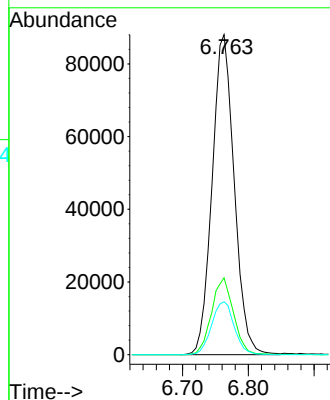
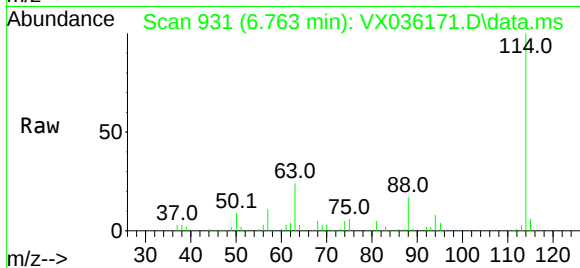
Tgt Ion:114 Resp: 205919

Ion Ratio Lower Upper

114 100

63 23.8 18.0 27.0

88 17.0 13.3 19.9



#33

Carbon Tetrachloride

Concen: 0.357 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX036171.D

Acq: 15 Jun 2023 15:52

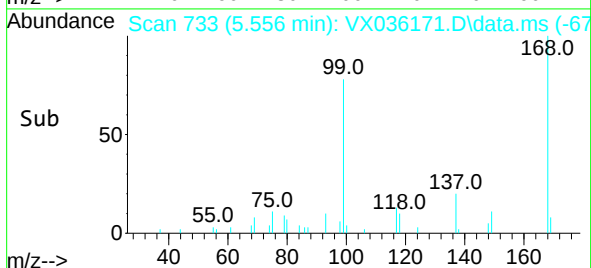
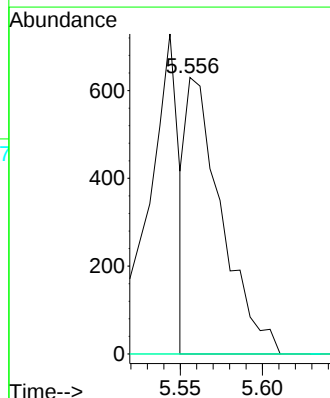
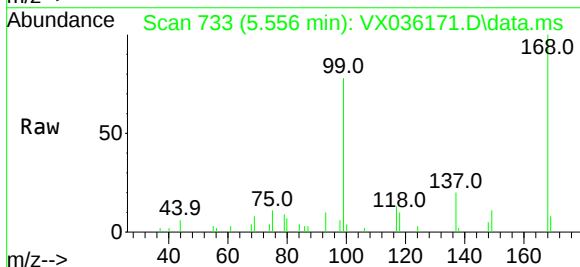
Tgt Ion:117 Resp: 945

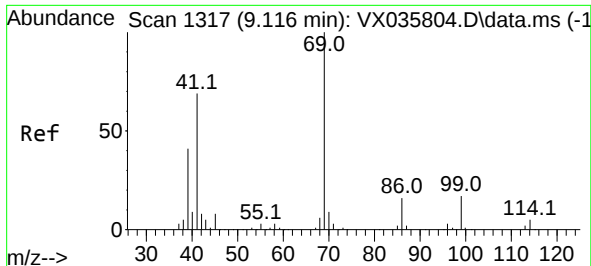
Ion Ratio Lower Upper

117 100

119 0.0 73.3 109.9#

121 0.0 24.0 36.0#

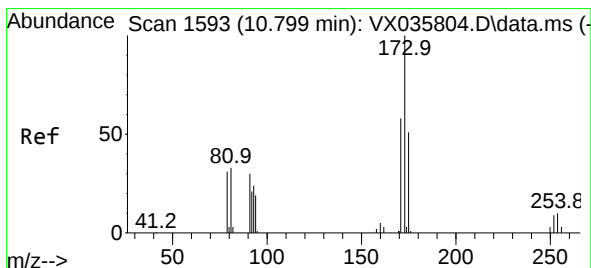
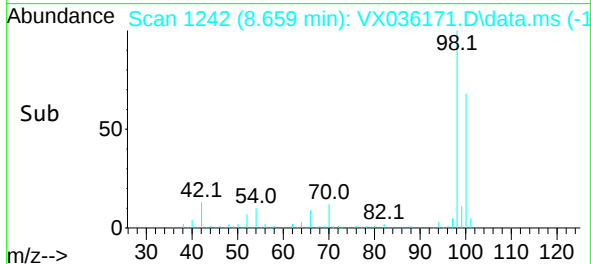
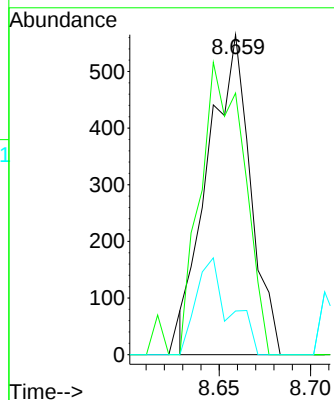
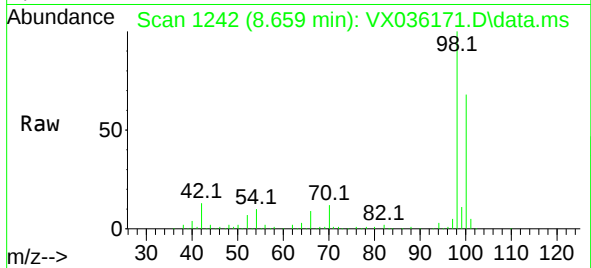




#51
Ethyl methacrylate
Concen: 0.250 ug/l
RT: 8.659 min Scan# 11
Delta R.T. -0.457 min
Lab File: VX036171.D
Acq: 15 Jun 2023 15:52

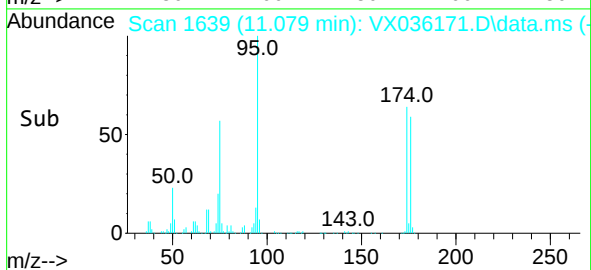
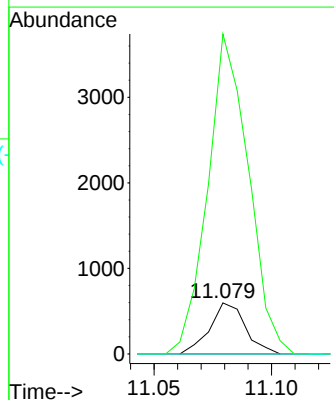
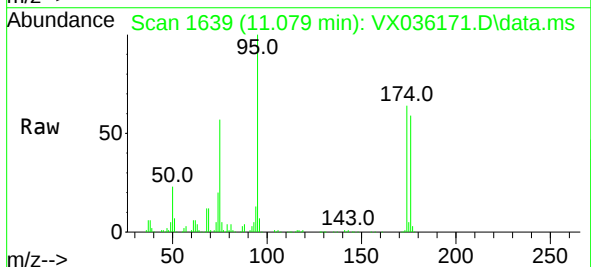
Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20230614

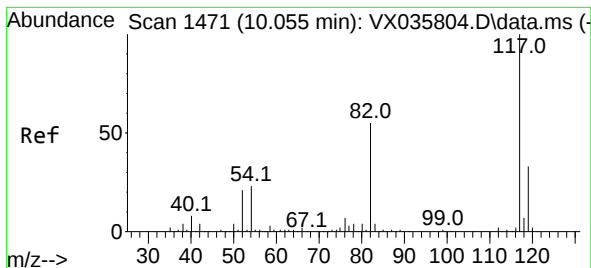
Tgt Ion: 69 Resp: 908
Ion Ratio Lower Upper
69 100
41 81.8 36.2 108.6
39 13.6 21.2 63.6#



#56
Bromoform
Concen: 0.450 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.280 min
Lab File: VX036171.D
Acq: 15 Jun 2023 15:52

Tgt Ion:173 Resp: 630
Ion Ratio Lower Upper
173 100
175 716.2 37.0 55.4#
254 0.0 6.7 10.1#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX036171.D

Acq: 15 Jun 2023 15:52

Instrument :

MSVOA_X

ClientSampleId :

TT-TB-20230614

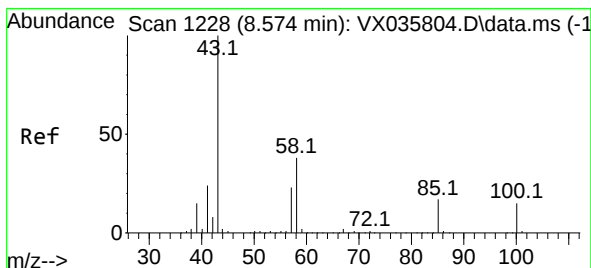
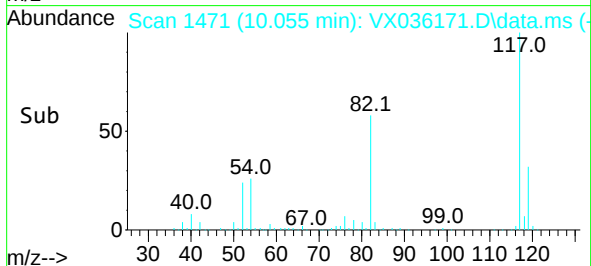
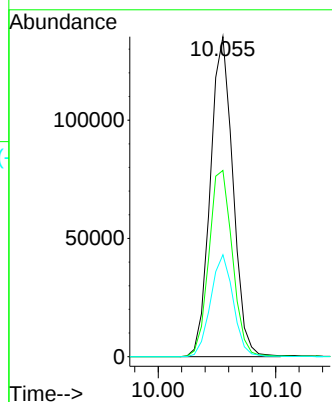
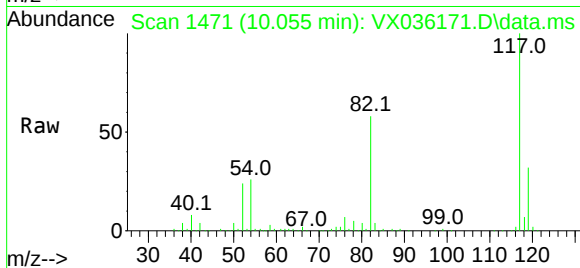
Tgt Ion:117 Resp: 180959

Ion Ratio Lower Upper

117 100

82 60.6 45.8 68.8

119 31.9 25.4 38.0



#58

4-Methyl-2-Pentanone

Concen: 0.364 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. 0.067 min

Lab File: VX036171.D

Acq: 15 Jun 2023 15:52

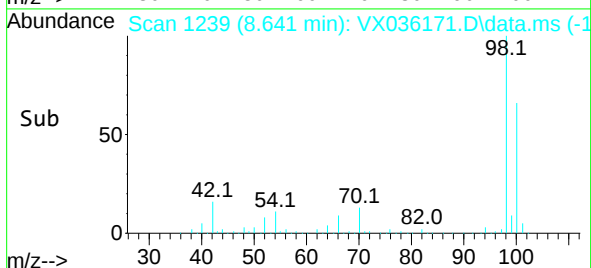
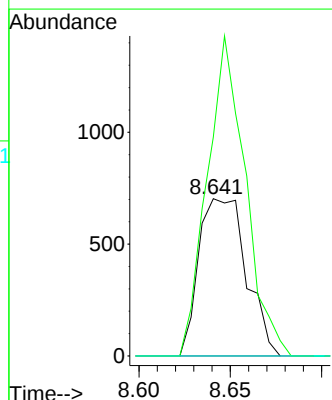
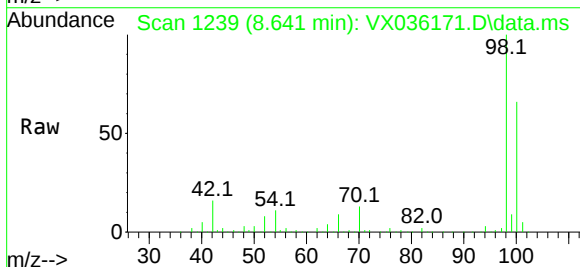
Tgt Ion: 43 Resp: 1278

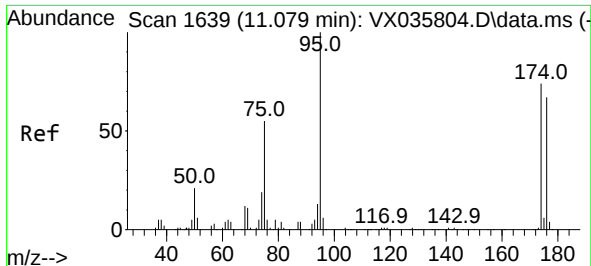
Ion Ratio Lower Upper

43 100

58 162.8 29.9 44.9#

85 0.0 13.2 19.8#

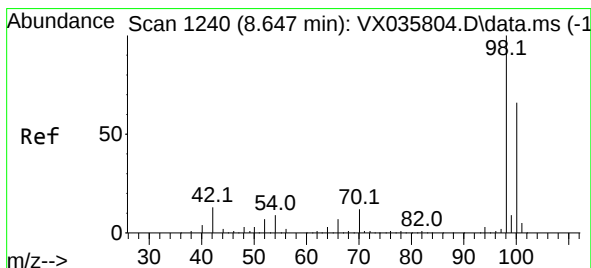
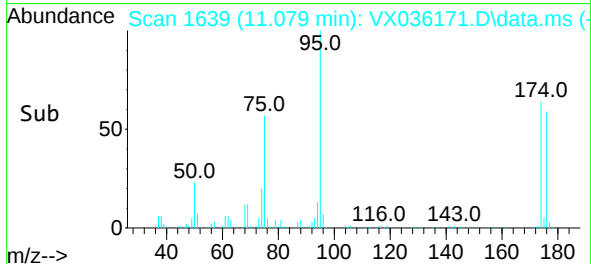
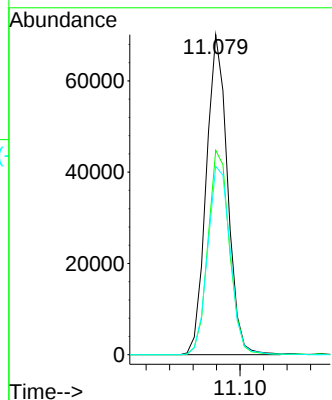
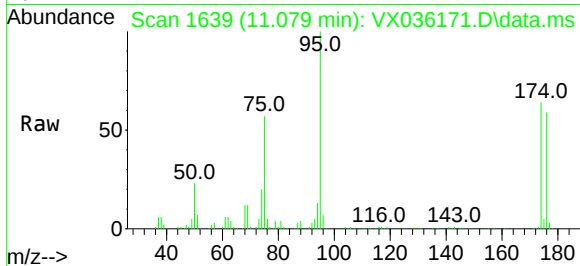




#60
4-Bromofluorobenzene
Concen: 29.032 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036171.D
Acq: 15 Jun 2023 15:52

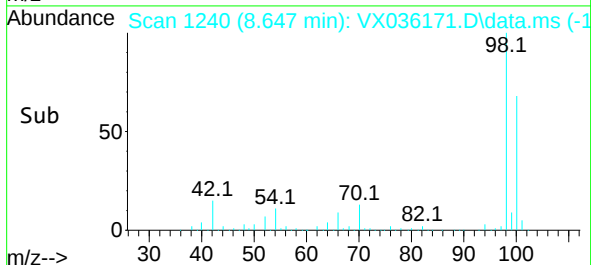
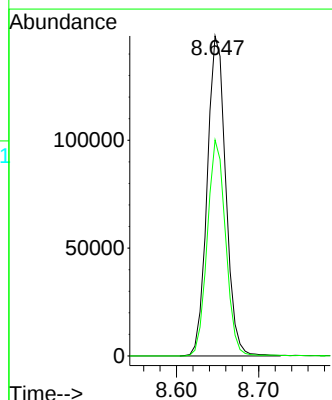
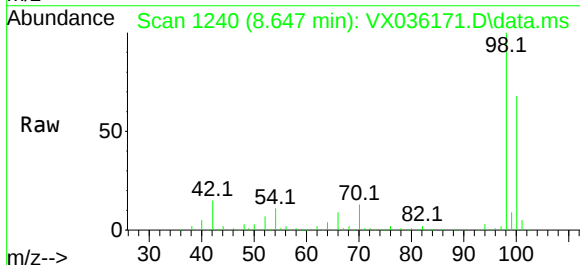
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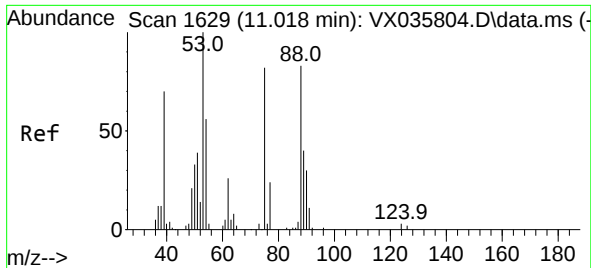
Tgt Ion: 95 Resp: 88155
Ion Ratio Lower Upper
95 100
174 64.6 0.2 0.4#
176 62.4 0.2 0.2#



#63
Toluene-d8
Concen: 29.041 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX036171.D
Acq: 15 Jun 2023 15:52

Tgt Ion: 98 Resp: 232322
Ion Ratio Lower Upper
98 100
100 66.6 52.1 78.1





#77
 t-1,4-Dichloro-2-butene
 Concen: 53.382 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX036171.D
 Acq: 15 Jun 2023 15:52

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-TB-20230614

Tgt Ion: 75 Resp: 50034
 Ion Ratio Lower Upper
 75 100
 53 0.0 58.2 174.6#
 89 0.0 20.6 61.8#

