

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051122\
 Data File : VX028617.D
 Acq On : 11 May 2022 13:03
 Operator : JC/MD
 Sample : N2778-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-TB-20220509

Quant Time: May 12 04:54:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X042822W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 29 06:09:36 2022
 Response via : Initial Calibration

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

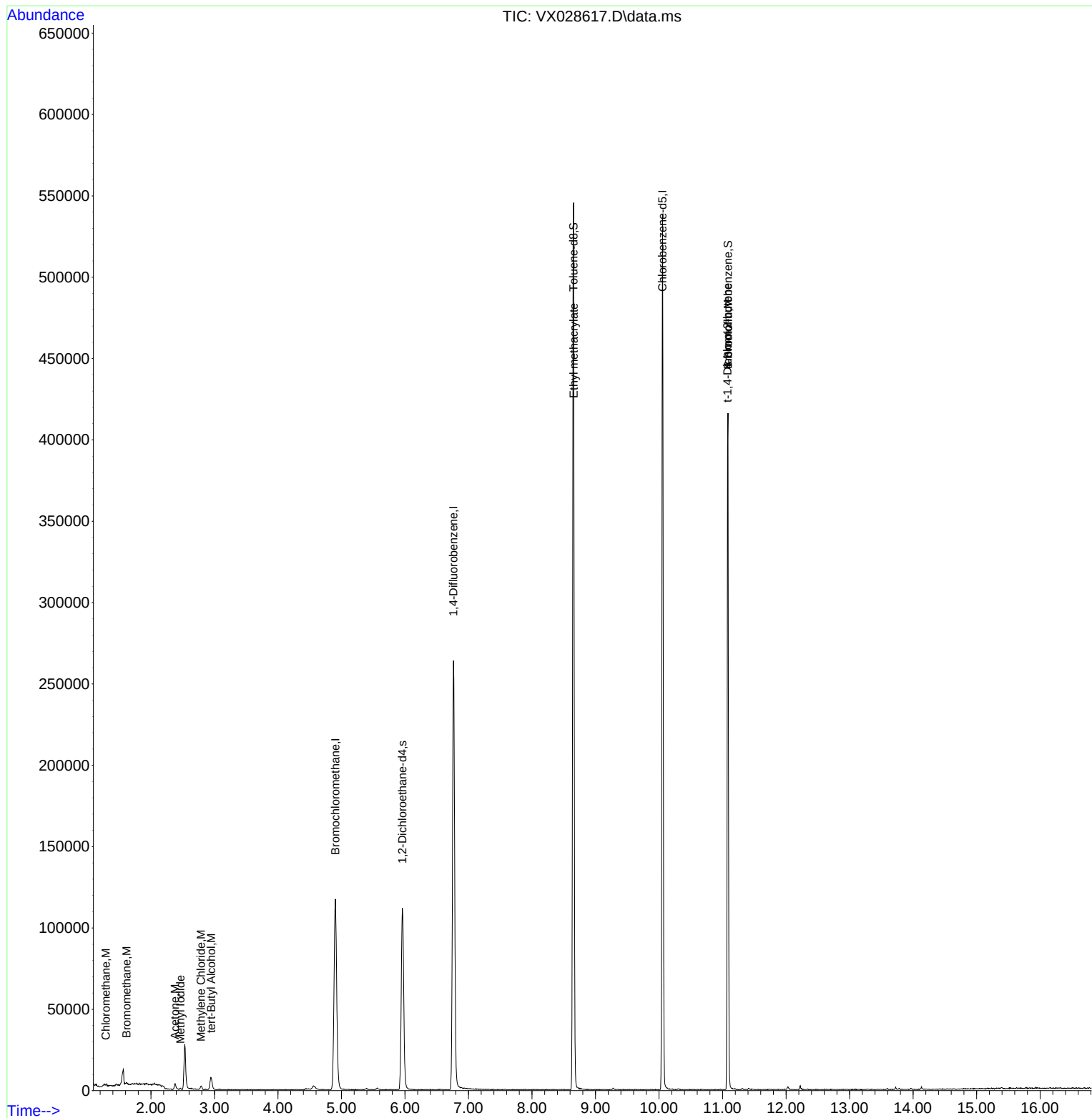
Internal Standards						
1) Bromochloromethane	4.903	128	54080	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	282226	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	254795	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	105900	30.791	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 102.633%	
60) 4-Bromofluorobenzene	11.085	95	108621	27.413	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 91.367%	
63) Toluene-d8	8.653	98	328869	30.468	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 101.567%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	309	0.205	ug/l	97
5) Bromomethane	1.617	94	533	0.337	ug/l #	57
11) Methyl Iodide	2.465	142	711	0.260	ug/l #	85
15) Acetone	2.379	58	1356	3.231	ug/l	84
18) Methylene Chloride	2.788	84	1062	0.405	ug/l #	80
23) tert-Butyl Alcohol	2.946	59	4456	5.568	ug/l #	100
51) Ethyl methacrylate	8.659	69	1174	0.271	ug/l	93
56) Bromoform	11.085	173	1098	0.459	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	55062	43.589	ug/l #	3

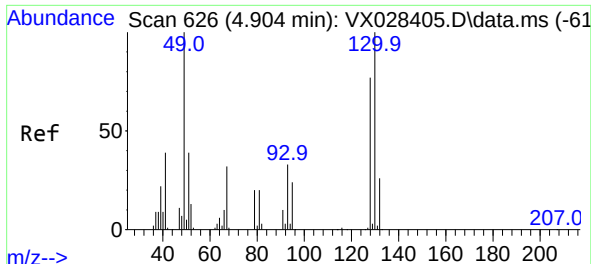
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
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TT-TB-20220509

Quant Time: May 12 04:54:58 2022
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Apr 29 06:09:36 2022
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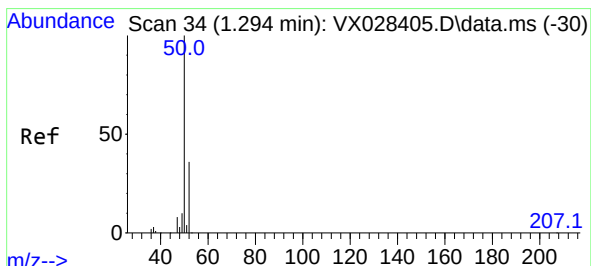
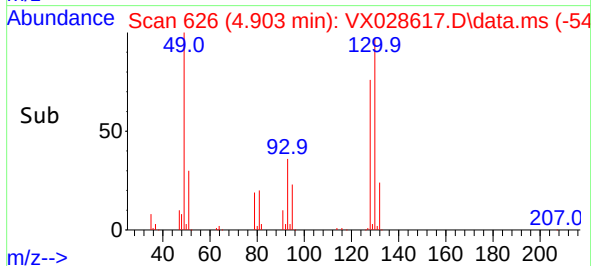
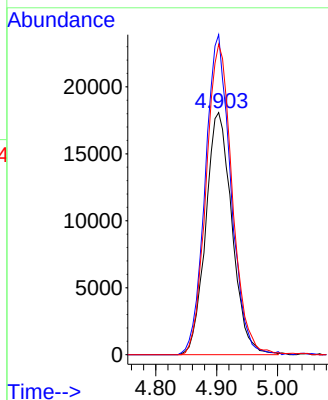
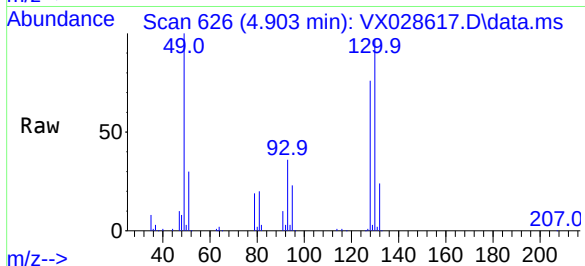




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. -0.001 min
Lab File: VX028617.D
Acq: 11 May 2022 13:03

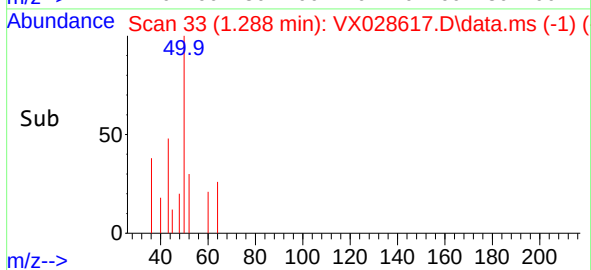
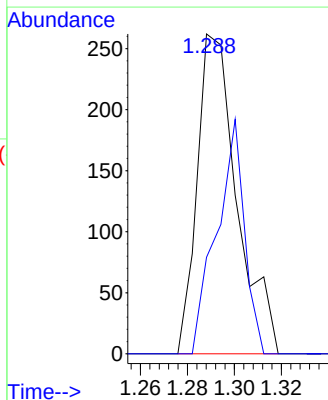
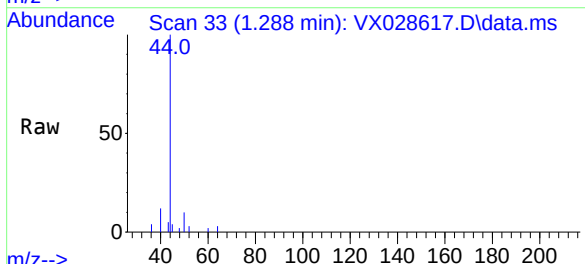
Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20220509

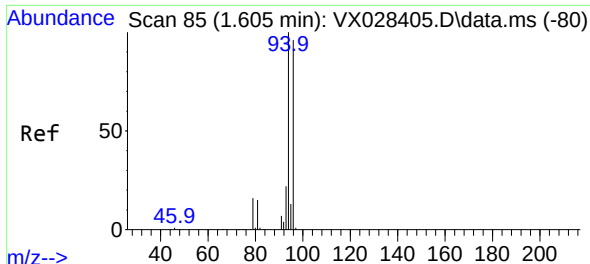
Tgt Ion:128 Resp: 54080
Ion Ratio Lower Upper
128 100
49 128.2 0.0 358.3
130 127.7 0.0 319.3



#3
Chloromethane
Concen: 0.205 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX028617.D
Acq: 11 May 2022 13:03

Tgt Ion: 50 Resp: 309
Ion Ratio Lower Upper
50 100
52 30.2 25.6 38.4

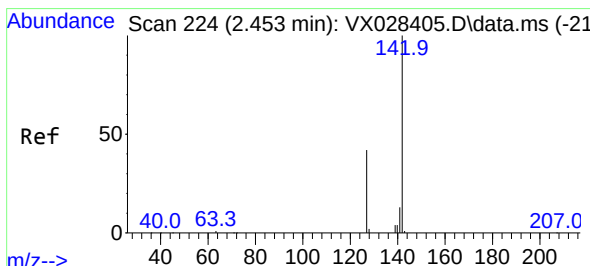
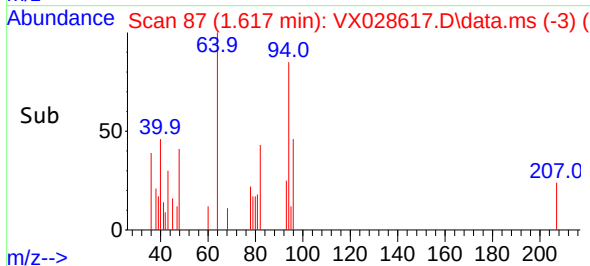
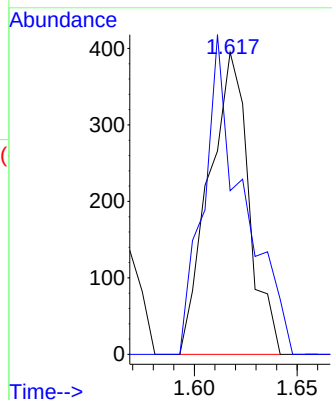
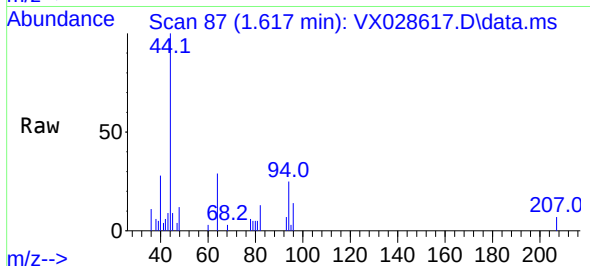




#5
Bromomethane
Concen: 0.337 ug/l
RT: 1.617 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX028617.D
Acq: 11 May 2022 13:03

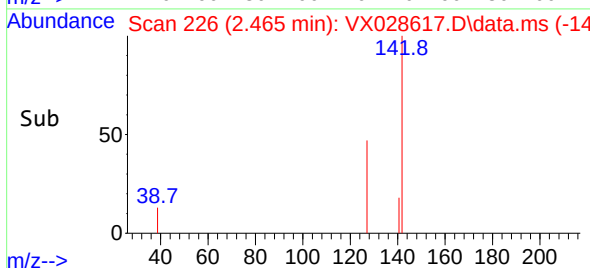
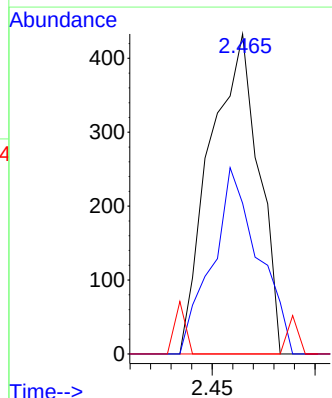
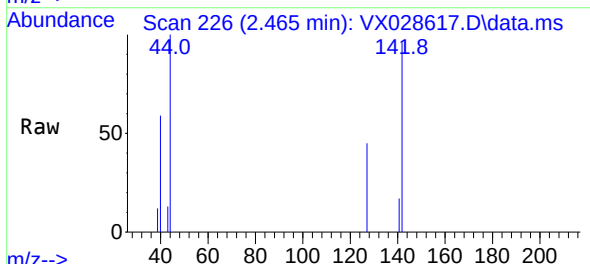
Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20220509

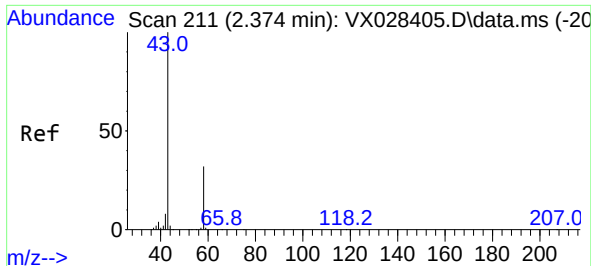
Tgt Ion: 94 Resp: 533
Ion Ratio Lower Upper
94 100
96 54.2 77.0 115.6#



#11
Methyl Iodide
Concen: 0.260 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX028617.D
Acq: 11 May 2022 13:03

Tgt Ion: 142 Resp: 711
Ion Ratio Lower Upper
142 100
127 39.0 22.3 66.9
141 0.0 7.0 20.9#

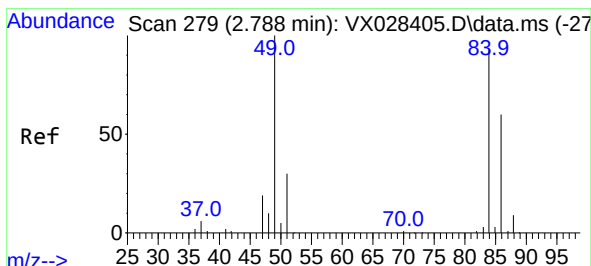
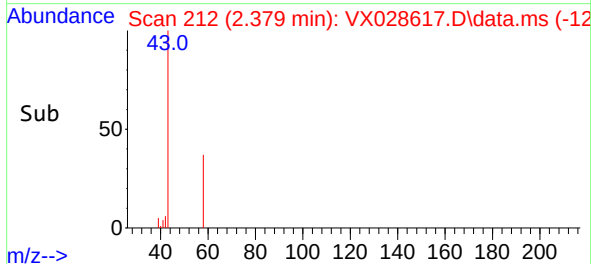
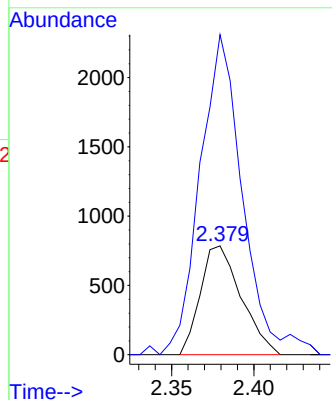
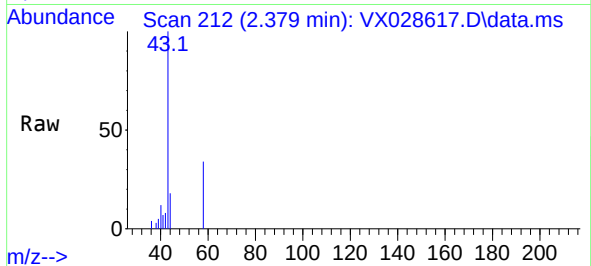




#15
Acetone
Concen: 3.231 ug/l
RT: 2.379 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX028617.D
Acq: 11 May 2022 13:03

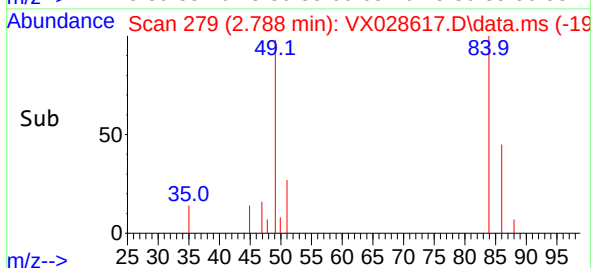
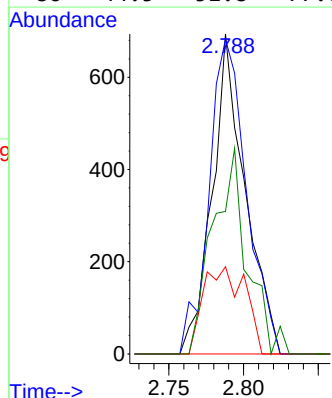
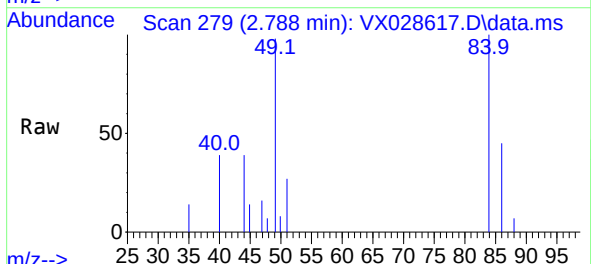
Instrument :
MSVOA_X
ClientSampleId :
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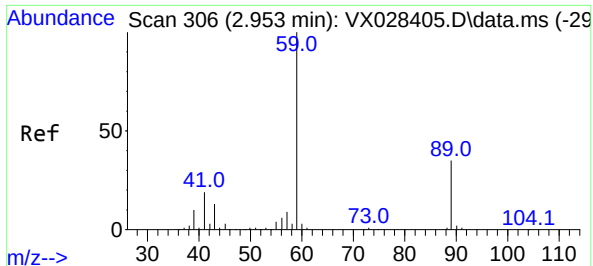
Tgt Ion: 58 Resp: 1356
Ion Ratio Lower Upper
58 100
43 280.5 250.2 375.2



#18
Methylene Chloride
Concen: 0.405 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX028617.D
Acq: 11 May 2022 13:03

Tgt Ion: 84 Resp: 1062
Ion Ratio Lower Upper
84 100
49 98.4 94.2 141.2
51 27.2 29.2 43.8#
86 44.5 51.8 77.6#

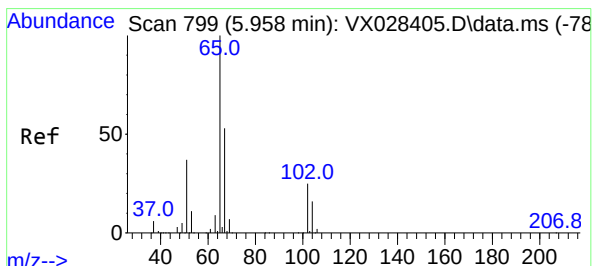
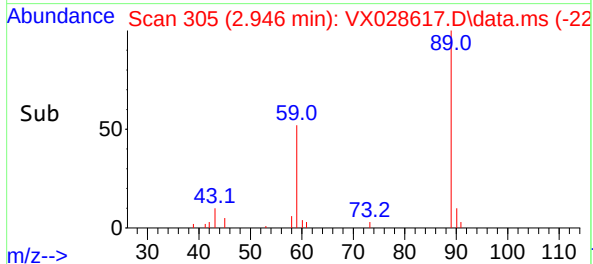
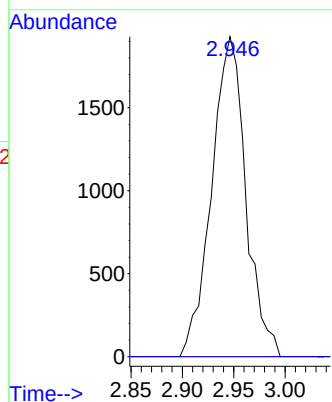
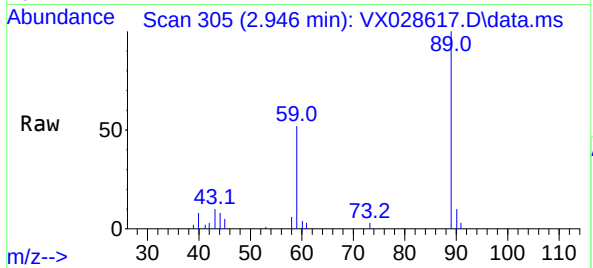




#23
tert-Butyl Alcohol
Concen: 5.568 ug/l
RT: 2.946 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX028617.D
Acq: 11 May 2022 13:03

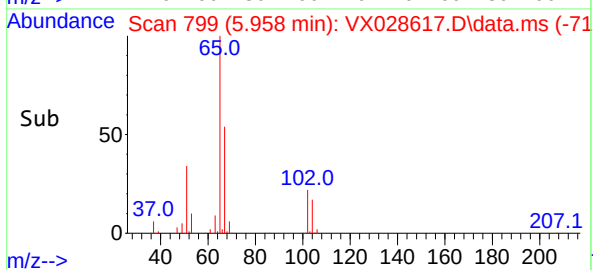
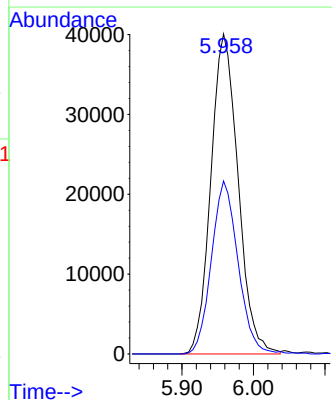
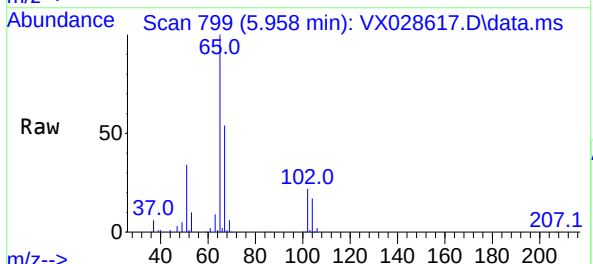
Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20220509

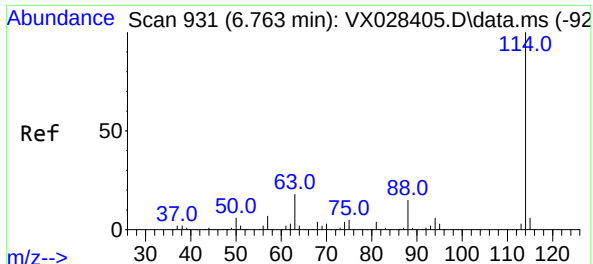
Tgt Ion: 59 Resp: 4456
Ion Ratio Lower Upper
59 100
52 1.0 0.0 0.0#



#27
1,2-Dichloroethane-d4
Concen: 30.791 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX028617.D
Acq: 11 May 2022 13:03

Tgt Ion: 65 Resp: 105900
Ion Ratio Lower Upper
65 100
67 52.9 42.3 63.5

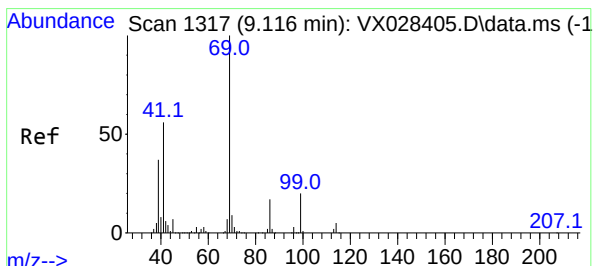
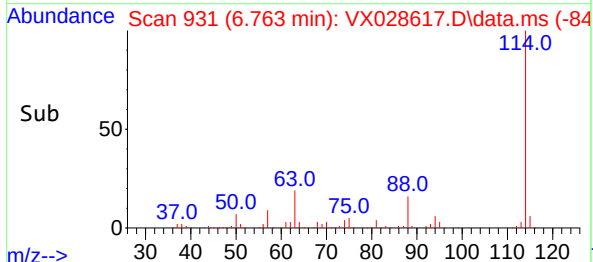
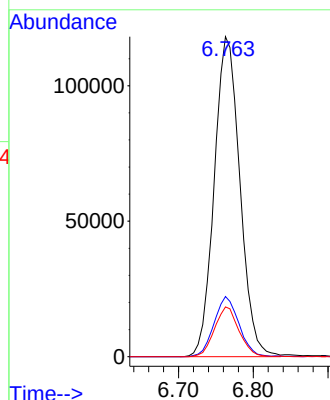
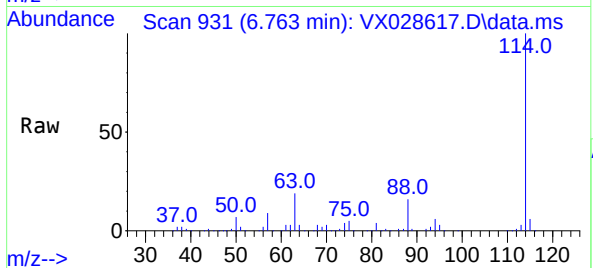




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028617.D
Acq: 11 May 2022 13:03

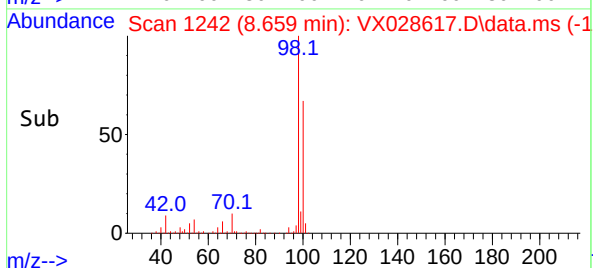
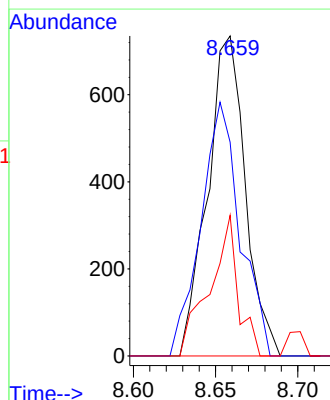
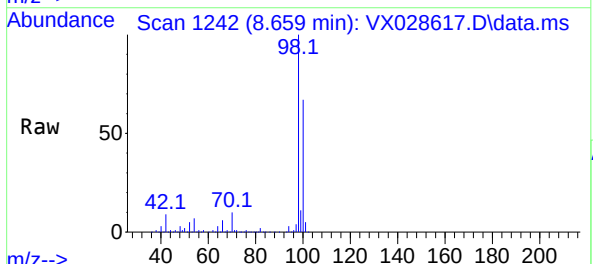
Instrument :
MSVOA_X
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TT-TB-20220509

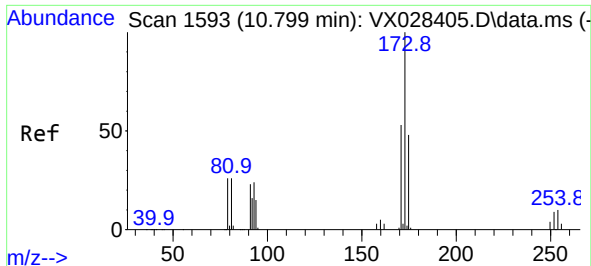
Tgt Ion:114 Resp: 282226
Ion Ratio Lower Upper
114 100
63 18.2 15.3 22.9
88 14.8 12.2 18.4



#51
Ethyl methacrylate
Concen: 0.271 ug/l
RT: 8.659 min Scan# 1242
Delta R.T. -0.457 min
Lab File: VX028617.D
Acq: 11 May 2022 13:03

Tgt Ion: 69 Resp: 1174
Ion Ratio Lower Upper
69 100
41 66.8 32.1 96.5
39 43.9 18.3 54.9

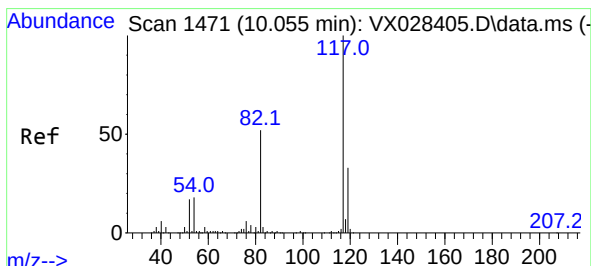
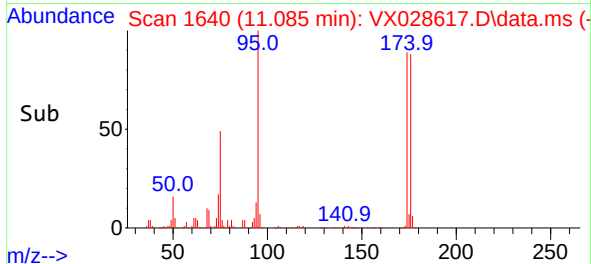
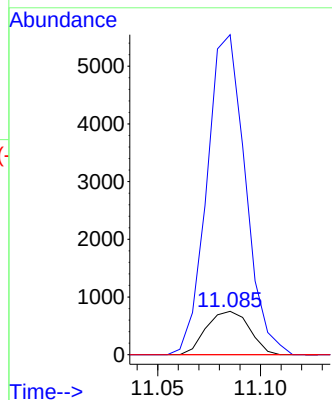
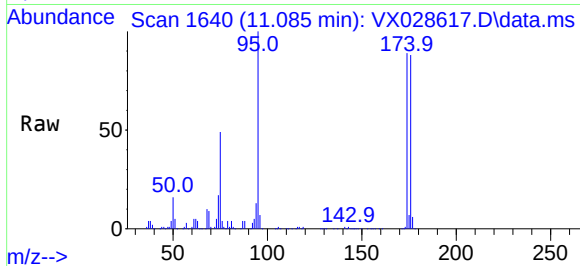




#56
Bromoform
Concen: 0.459 ug/l
RT: 11.085 min Scan# 11098
Delta R.T. 0.286 min
Lab File: VX028617.D
Acq: 11 May 2022 13:03

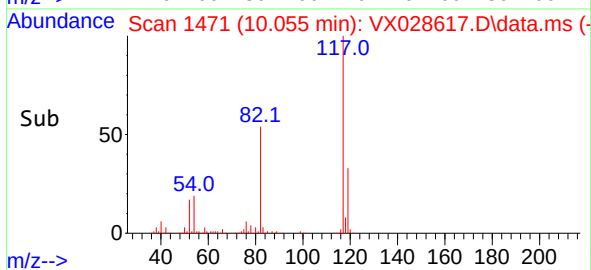
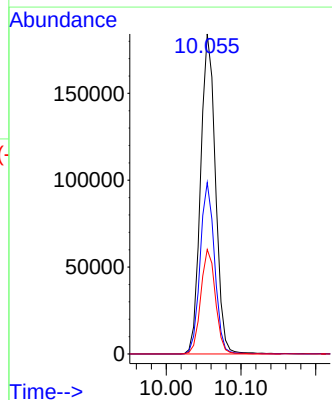
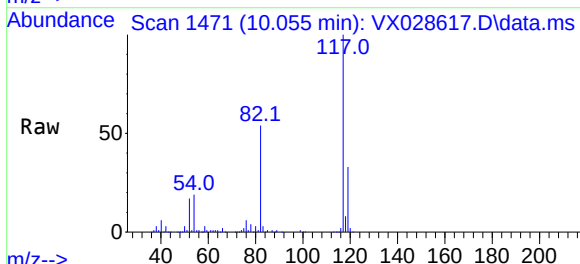
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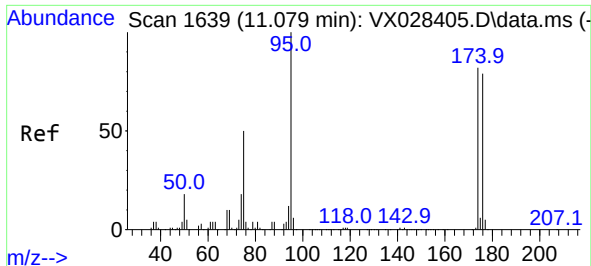
Tgt Ion:173 Resp: 1098
Ion Ratio Lower Upper
173 100
175 656.8 40.3 60.5#
254 0.0 7.4 11.2#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028617.D
Acq: 11 May 2022 13:03

Tgt Ion:117 Resp: 254795
Ion Ratio Lower Upper
117 100
82 51.9 42.3 63.5
119 32.1 26.2 39.2



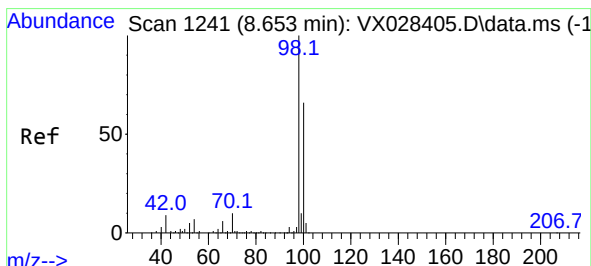
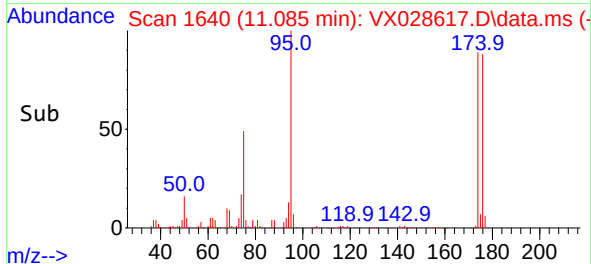
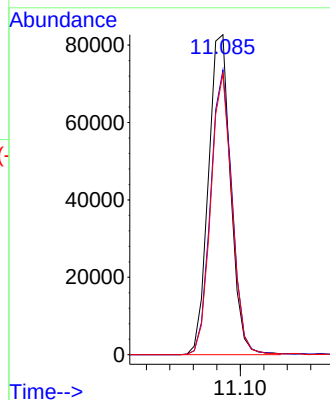
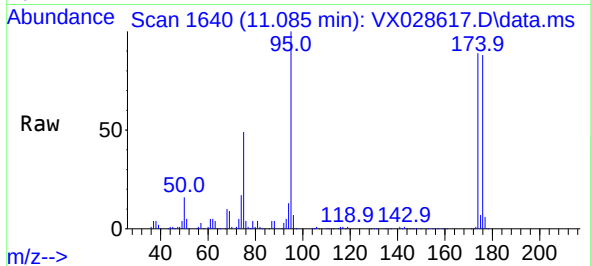


#60
4-Bromofluorobenzene
Concen: 27.413 ug/l
RT: 11.085 min Scan# 11085
Delta R.T. 0.006 min
Lab File: VX028617.D
Acq: 11 May 2022 13:03

Instrument : MSVOA_X
ClientSampleId : TT-TB-20220509

Tgt Ion: 95 Resp: 108621

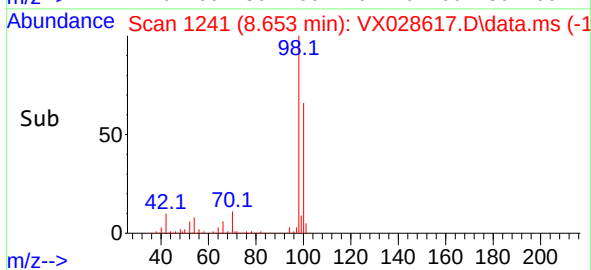
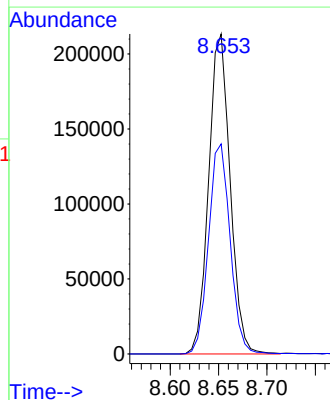
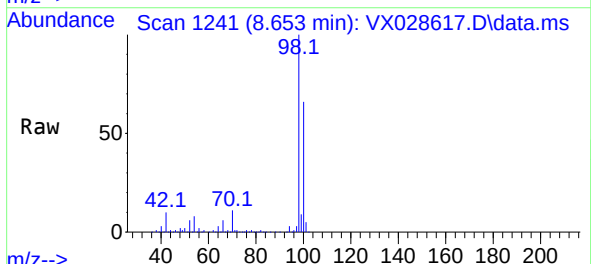
Ion	Ratio	Lower	Upper
95	100		
174	85.6	65.4	98.2
176	83.9	63.4	95.0

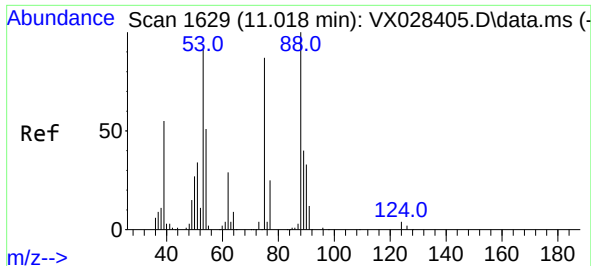


#63
Toluene-d8
Concen: 30.468 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX028617.D
Acq: 11 May 2022 13:03

Tgt Ion: 98 Resp: 328869

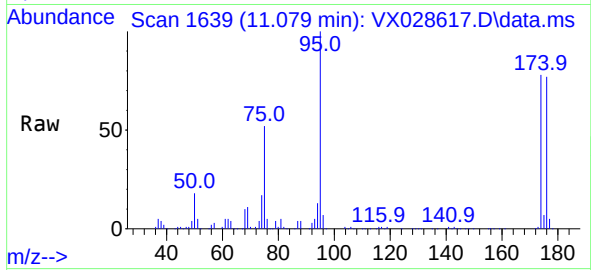
Ion	Ratio	Lower	Upper
98	100		
100	66.1	51.4	77.2





#77
t-1,4-Dichloro-2-butene
Concen: 43.589 ug/l
RT: 11.079 min Scan# 10
Delta R.T. 0.061 min
Lab File: VX028617.D
Acq: 11 May 2022 13:03

Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20220509



Tgt Ion: 75 Resp: 55062
Ion Ratio Lower Upper
75 100
53 0.0 59.7 179.1#
89 0.0 23.1 69.2#

