

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032823\
 Data File : VX034783.D
 Acq On : 28 Mar 2023 10:51
 Operator : JC/MD
 Sample : VX0328WBL02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0328WBL02

Quant Time: Mar 28 15:17:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X032823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Mar 28 09:11:00 2023
 Response via : Initial Calibration

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

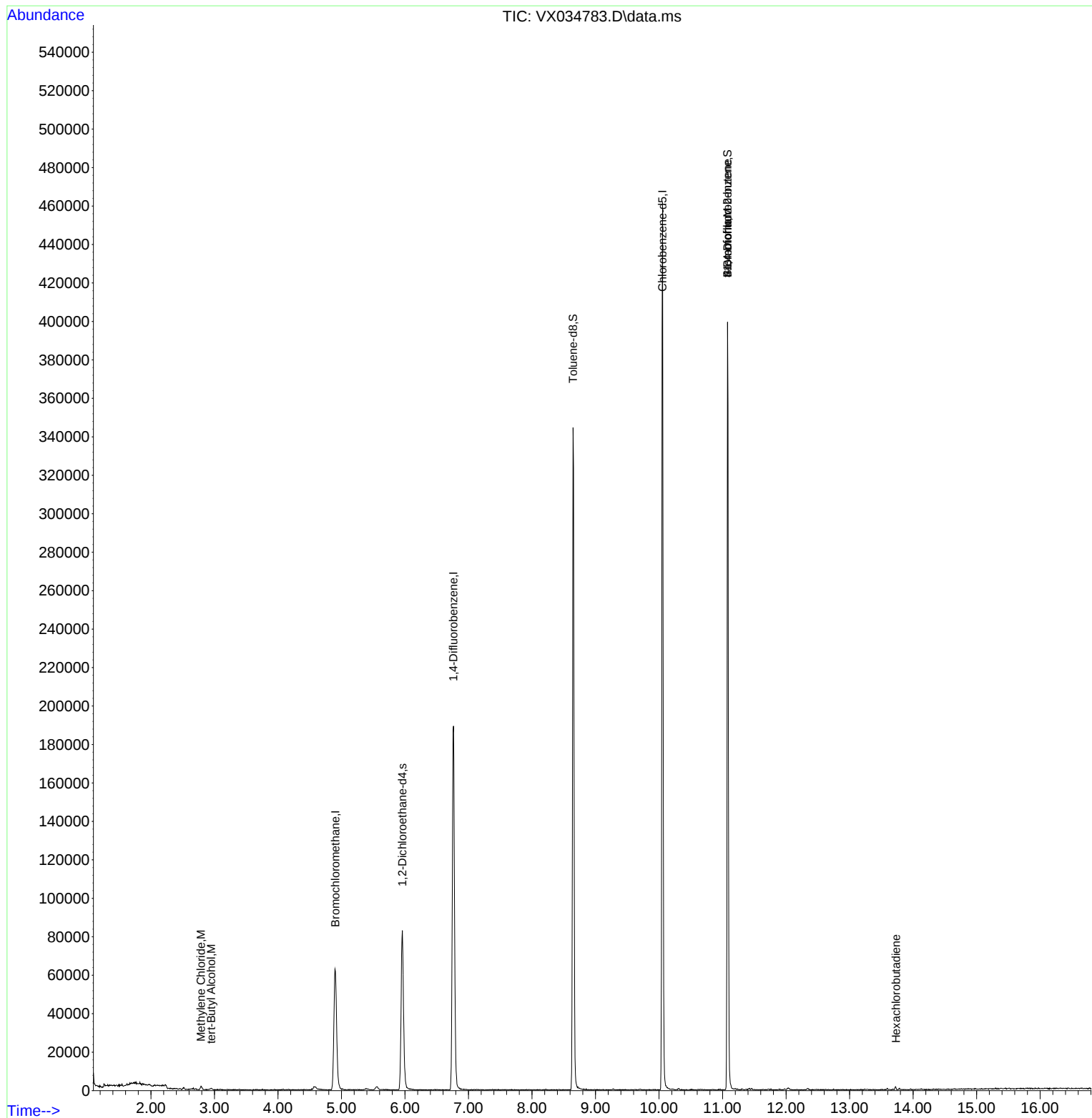
Internal Standards						
1) Bromochloromethane	4.903	128	26138	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	189455	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	196404	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	77984	31.052	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.500%			
60) 4-Bromofluorobenzene	11.079	95	107166	27.307	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 91.033%			
63) Toluene-d8	8.647	98	201035	30.120	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.400%			
Target Compounds						
					Qvalue	
18) Methylene Chloride	2.788	84	741	0.242	ug/l #	94
23) tert-Butyl Alcohol	2.946	59	248	0.348	ug/l #	100
56) Bromoform	11.079	173	717	0.334	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	56934	44.480	ug/l #	4
90) Hexachlorobutadiene	13.731	225	367	0.257	ug/l	76

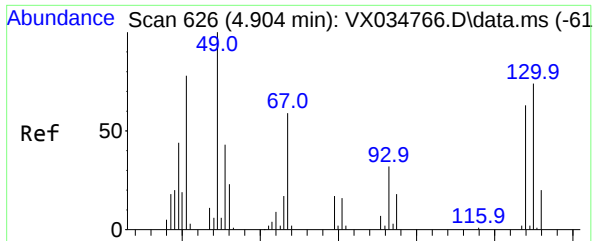
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX034783.D

Acq: 28 Mar 2023 10:51

Instrument :

MSVOA_X

ClientSampleId :

VX0328WBL02

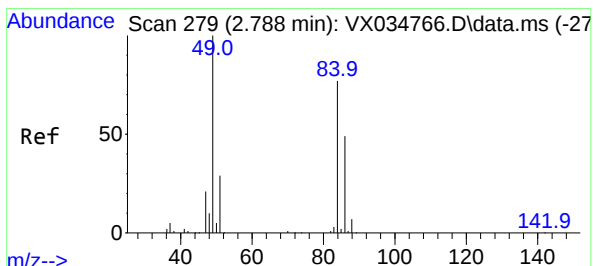
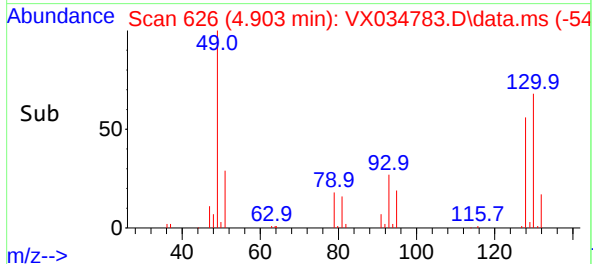
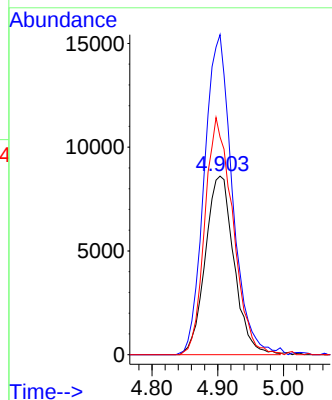
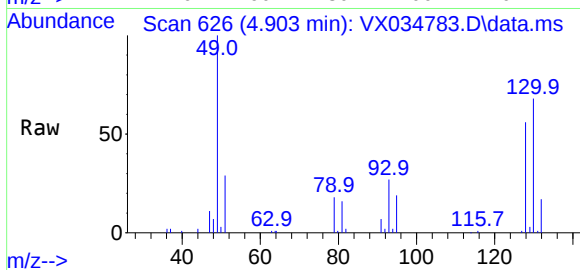
Tgt Ion:128 Resp: 26138

Ion Ratio Lower Upper

128 100

49 175.0 0.0 428.8

130 129.8 0.0 310.8



#18

Methylene Chloride

Concen: 0.242 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX034783.D

Acq: 28 Mar 2023 10:51

Tgt Ion: 84 Resp: 741

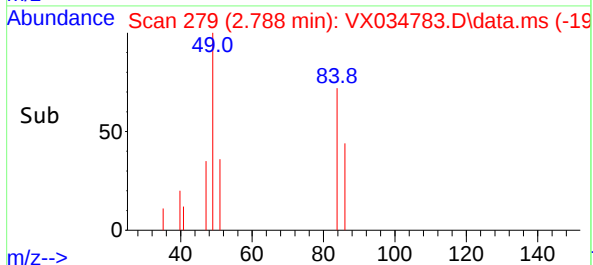
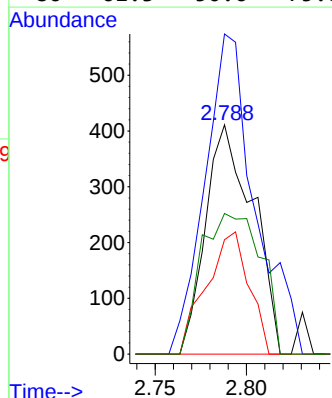
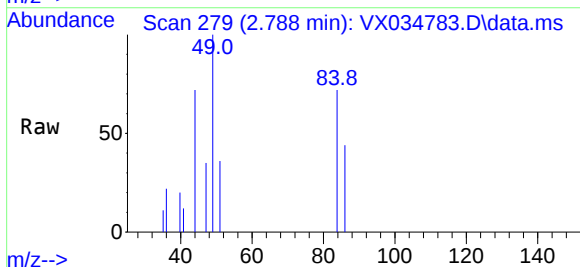
Ion Ratio Lower Upper

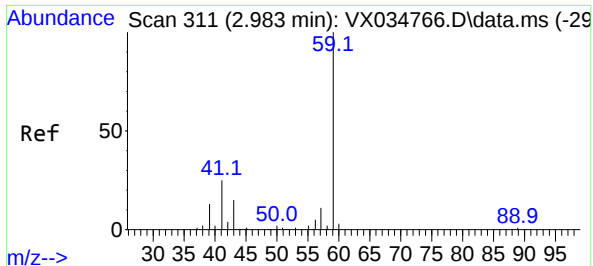
84 100

49 125.1 103.9 155.9

51 49.9 30.6 45.8#

86 61.3 50.6 75.8

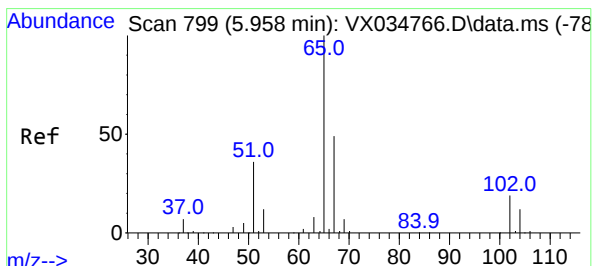
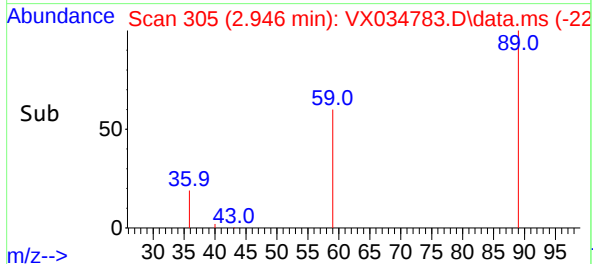
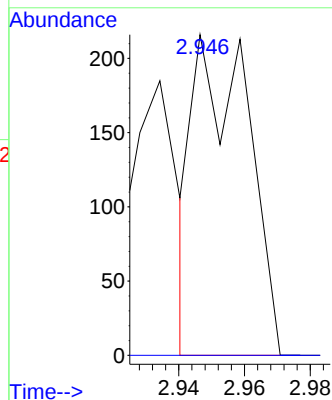
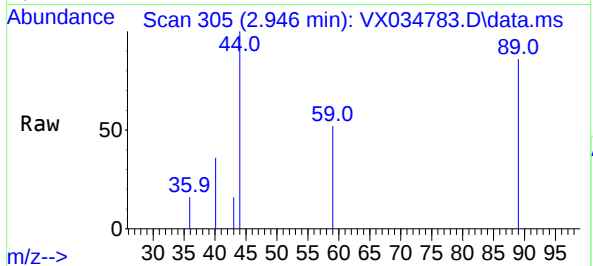




#23
tert-Butyl Alcohol
Concen: 0.348 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.037 min
Lab File: VX034783.D
Acq: 28 Mar 2023 10:51

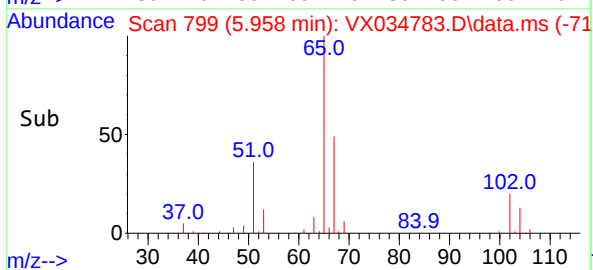
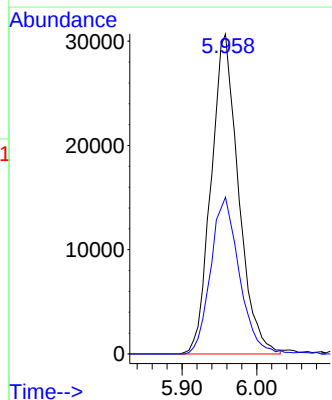
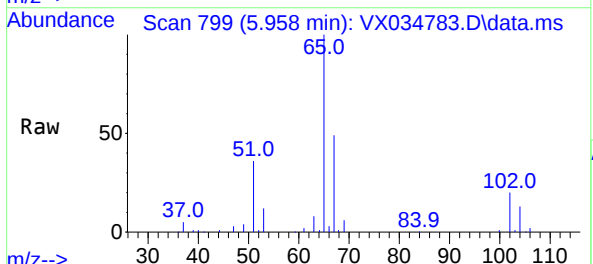
Instrument :
MSVOA_X
ClientSampleId :
VX0328WBL02

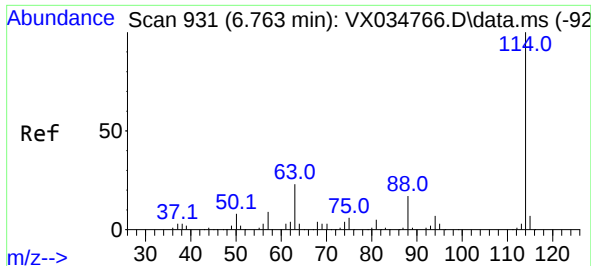
Tgt Ion: 59 Resp: 248
Ion Ratio Lower Upper
59 100
52 0.0 0.2 0.4#



#27
1,2-Dichloroethane-d4
Concen: 31.052 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX034783.D
Acq: 28 Mar 2023 10:51

Tgt Ion: 65 Resp: 77984
Ion Ratio Lower Upper
65 100
67 51.1 40.9 61.3

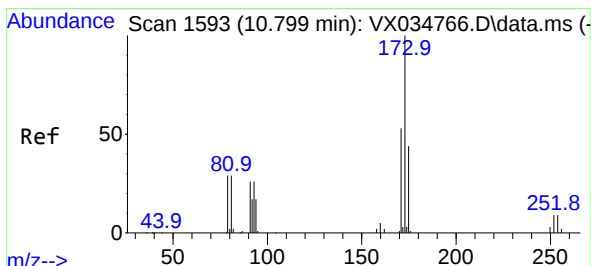
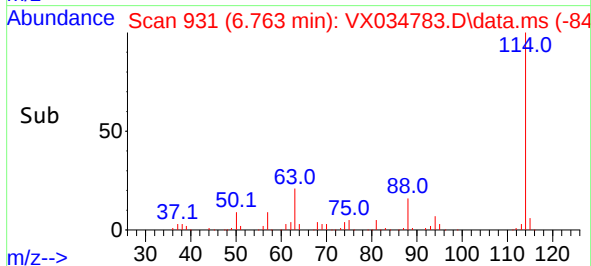
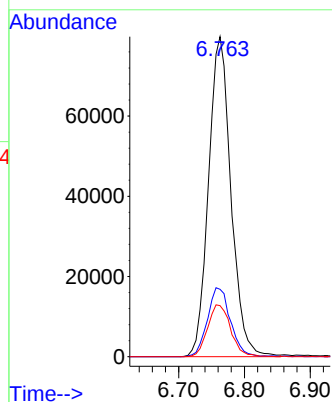
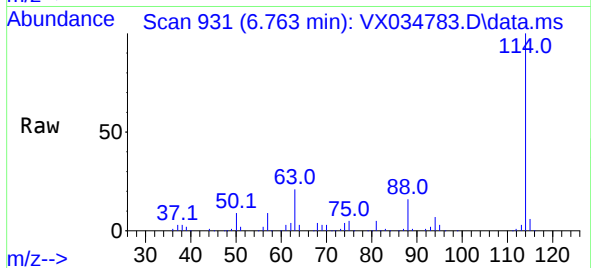




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX034783.D
Acq: 28 Mar 2023 10:51

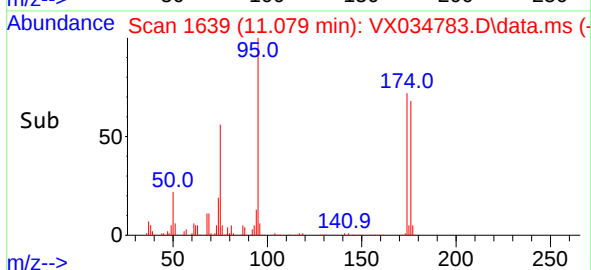
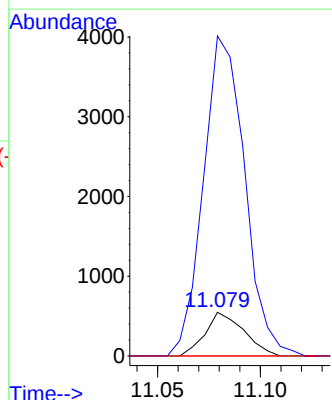
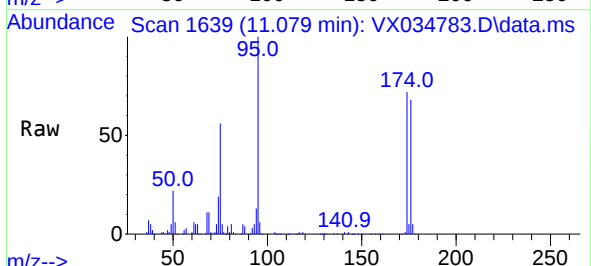
Instrument :
MSVOA_X
ClientSampleId :
VX0328WBL02

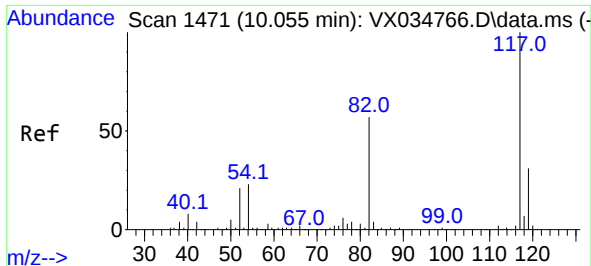
Tgt Ion:114 Resp: 189455
Ion Ratio Lower Upper
114 100
63 22.0 18.0 27.0
88 16.6 13.3 19.9



#56
Bromoform
Concen: 0.334 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.280 min
Lab File: VX034783.D
Acq: 28 Mar 2023 10:51

Tgt Ion:173 Resp: 717
Ion Ratio Lower Upper
173 100
175 783.3 37.0 55.4#
254 0.0 6.7 10.1#

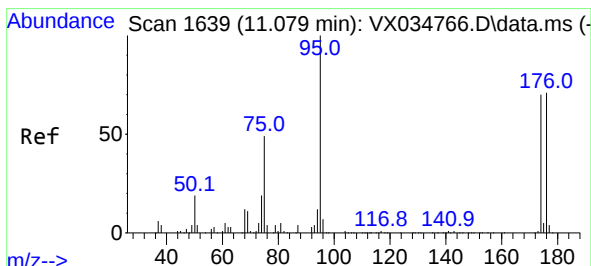
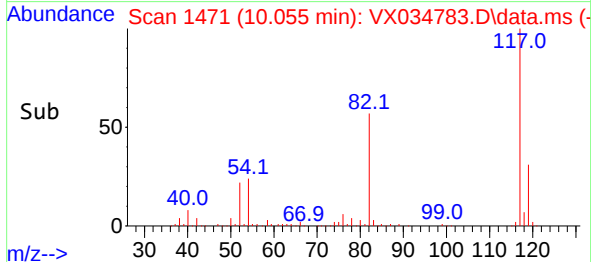
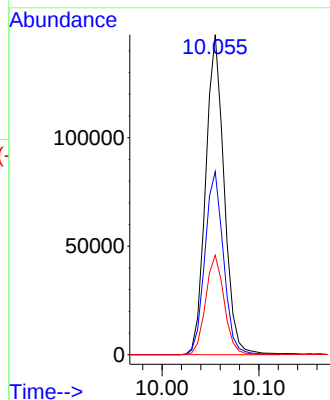
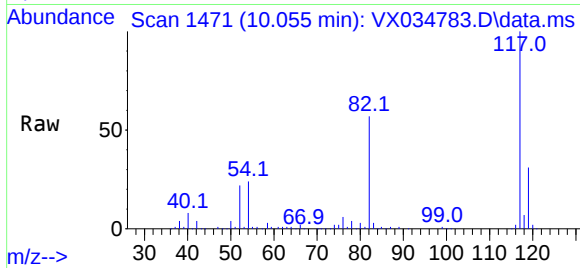




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034783.D
Acq: 28 Mar 2023 10:51

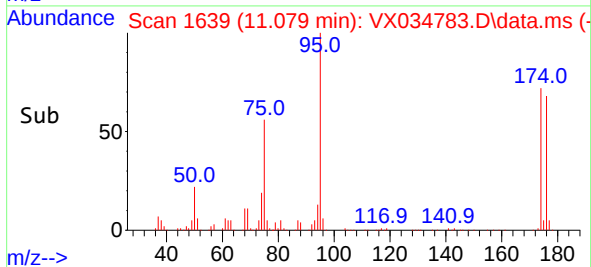
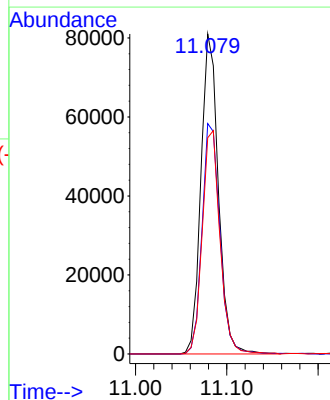
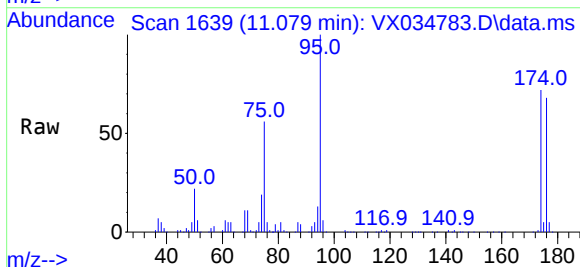
Instrument :
MSVOA_X
ClientSampleId :
VX0328WBL02

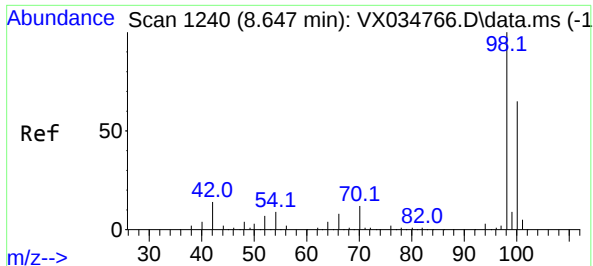
Tgt Ion:117 Resp: 196404
Ion Ratio Lower Upper
117 100
82 58.0 45.8 68.8
119 31.2 25.4 38.0



#60
4-Bromofluorobenzene
Concen: 27.307 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX034783.D
Acq: 28 Mar 2023 10:51

Tgt Ion: 95 Resp: 107166
Ion Ratio Lower Upper
95 100
174 73.6 0.2 0.4#
176 71.2 0.2 0.2#

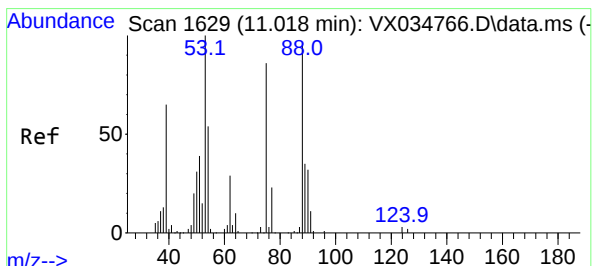
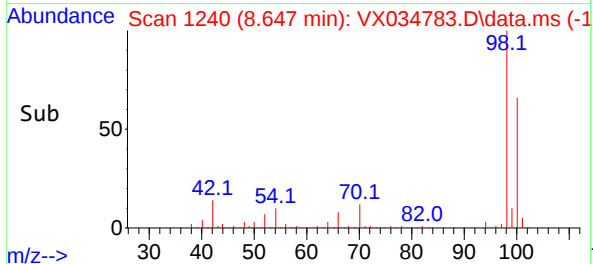
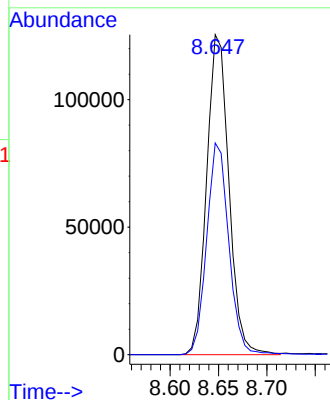
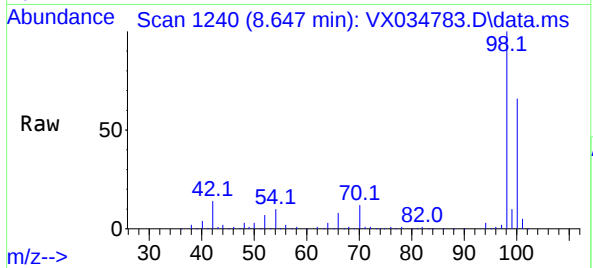




#63
Toluene-d8
Concen: 30.120 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034783.D
Acq: 28 Mar 2023 10:51

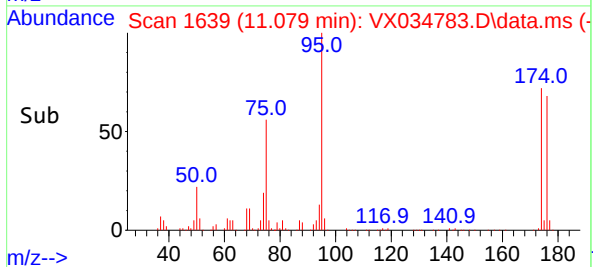
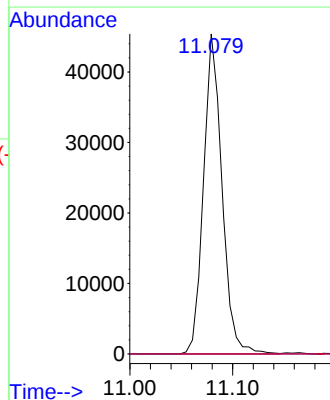
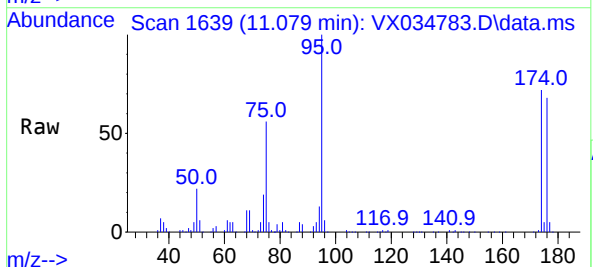
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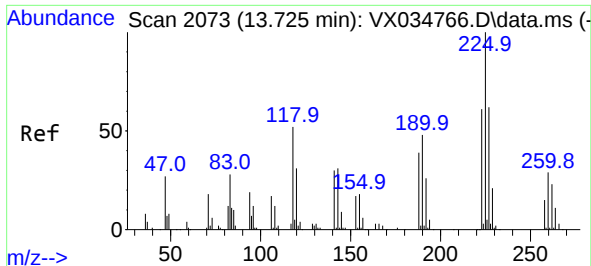
Tgt Ion: 98 Resp: 201035
Ion Ratio Lower Upper
98 100
100 65.8 52.1 78.1



#77
t-1,4-Dichloro-2-butene
Concen: 44.480 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034783.D
Acq: 28 Mar 2023 10:51

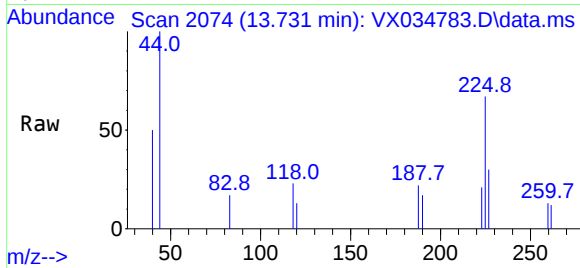
Tgt Ion: 75 Resp: 56934
Ion Ratio Lower Upper
75 100
53 0.0 58.2 174.6#
89 0.0 20.6 61.8#





#90
 Hexachlorobutadiene
 Concen: 0.257 ug/l
 RT: 13.731 min Scan# 2074
 Delta R.T. 0.006 min
 Lab File: VX034783.D
 Acq: 28 Mar 2023 10:51

Instrument :
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Tgt Ion:	225	Resp:	367
Ion	Ratio	Lower	Upper
225	100		
223	52.9	0.0	124.2
227	34.1	0.0	122.8

