

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032823\
 Data File : VX034785.D
 Acq On : 28 Mar 2023 11:37
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Mar 28 15:18:04 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)

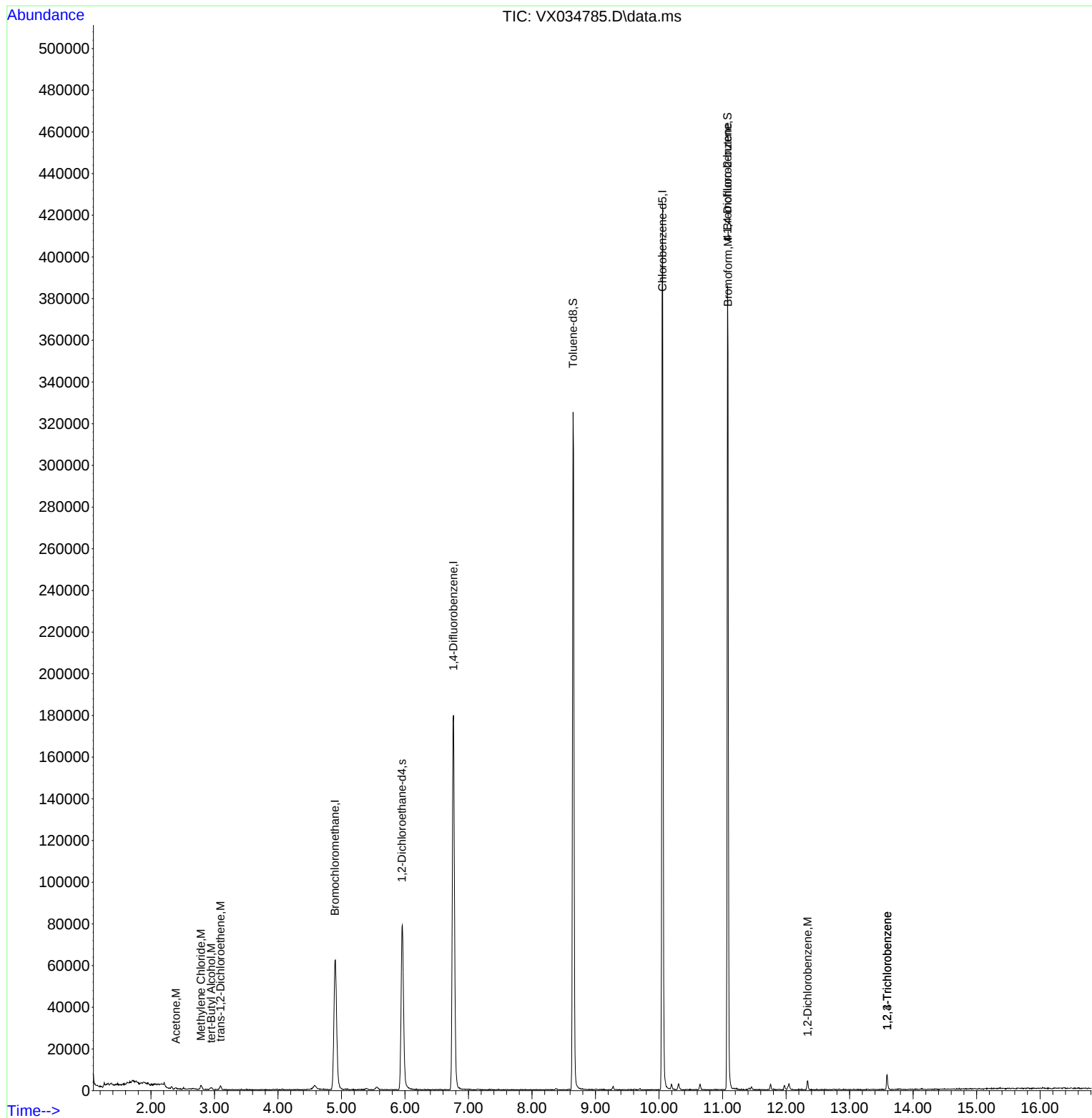
Internal Standards						
1) Bromochloromethane	4.897	128	25492	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	179658	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	186982	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	76533	31.246	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.167%
60) 4-Bromofluorobenzene	11.079	95	102262	27.371	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.233%
63) Toluene-d8	8.647	98	193050	30.381	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.267%
Target Compounds						
					Qvalue	
15) Acetone	2.392	58	119	0.284	ug/l #	1
18) Methylene Chloride	2.788	84	963	0.323	ug/l	93
19) trans-1,2-Dichloroethene	3.093	96	857	0.310	ug/l	84
23) tert-Butyl Alcohol	2.946	59	474	0.683	ug/l #	100
56) Bromoform	11.085	173	790	0.388	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	54448	44.681	ug/l #	4
87) 1,2-Dichlorobenzene	12.341	146	1496	0.254	ug/l	88
89) 1,2,4-Trichlorobenzene	13.591	180	1981	0.561	ug/l #	96
92) 1,2,3-Trichlorobenzene	13.591	180	1981	0.561	ug/l	96

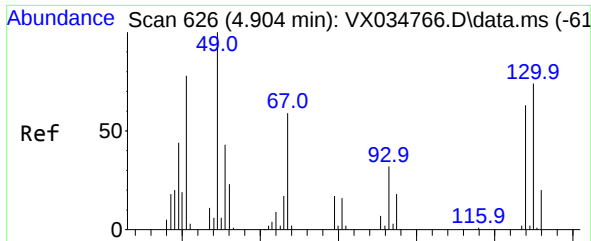
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032823\
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MSVOA_X
ClientSampleId :
IBLK

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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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.897 min Scan# 61

Delta R.T. -0.007 min

Lab File: VX034785.D

Acq: 28 Mar 2023 11:37

Instrument :

MSVOA_X

ClientSampleId :

IBLK

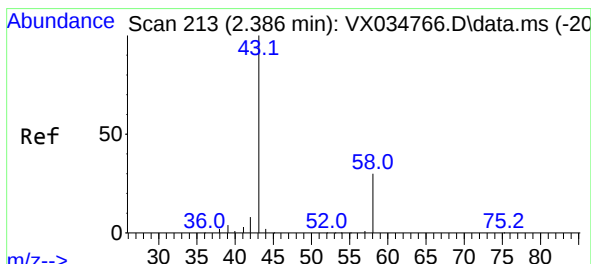
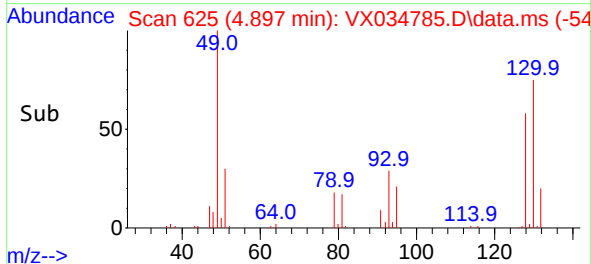
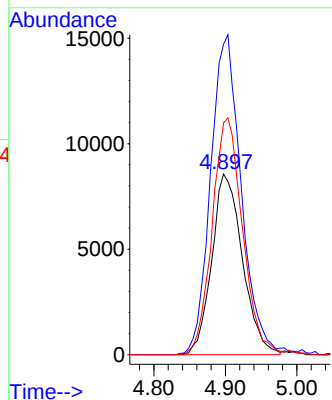
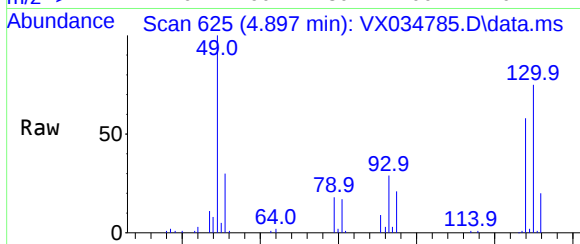
Tgt Ion:128 Resp: 25492

Ion Ratio Lower Upper

128 100

49 175.9 0.0 428.8

130 129.8 0.0 310.8



#15

Acetone

Concen: 0.284 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX034785.D

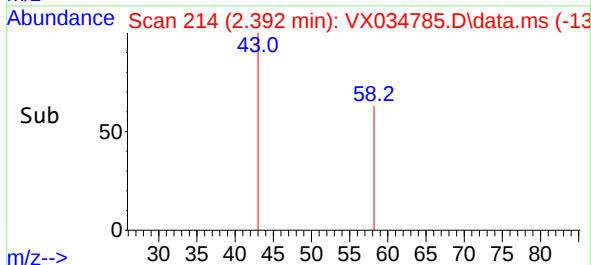
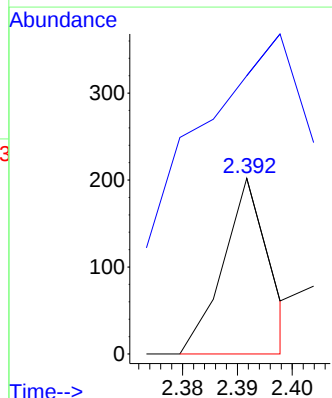
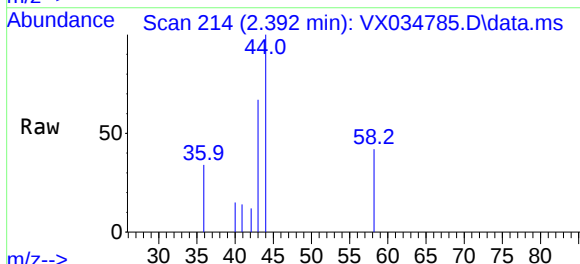
Acq: 28 Mar 2023 11:37

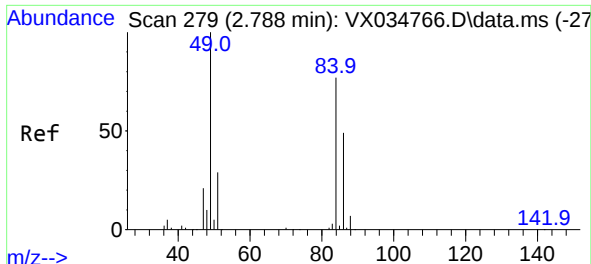
Tgt Ion: 58 Resp: 119

Ion Ratio Lower Upper

58 100

43 35.1 270.8 406.2#



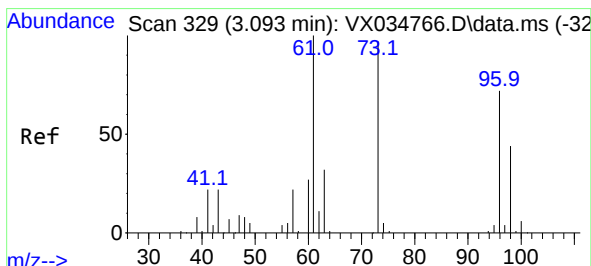
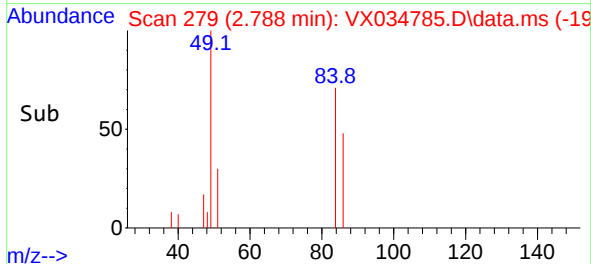
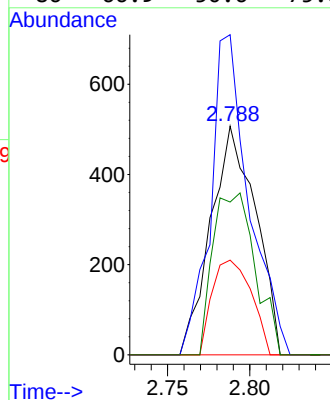
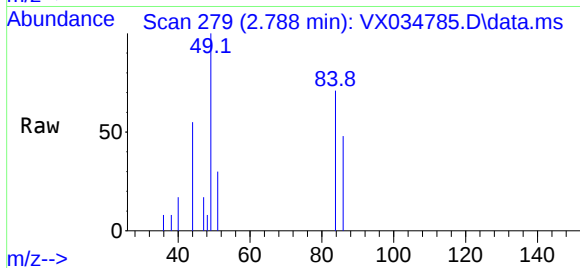


#18
Methylene Chloride
Concen: 0.323 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX034785.D
Acq: 28 Mar 2023 11:37

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion: 84 Resp: 963

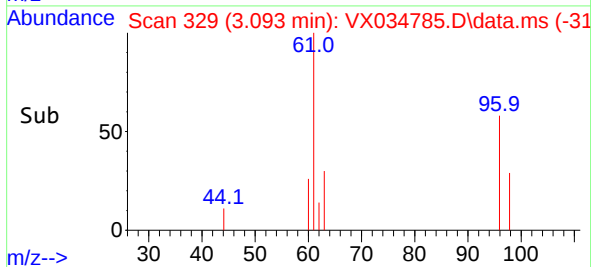
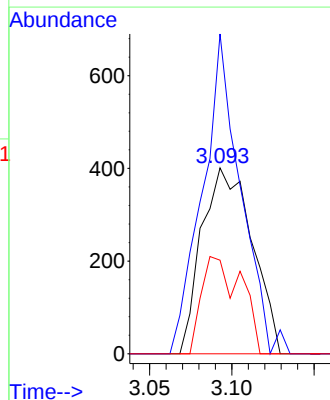
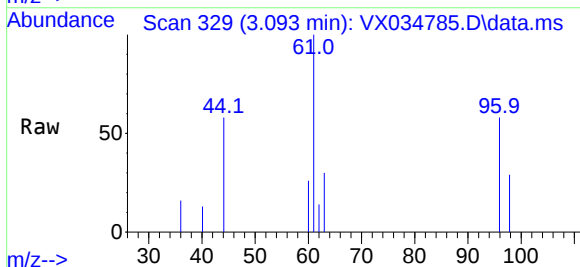
Ion	Ratio	Lower	Upper
84	100		
49	140.0	103.9	155.9
51	41.4	30.6	45.8
86	66.9	50.6	75.8

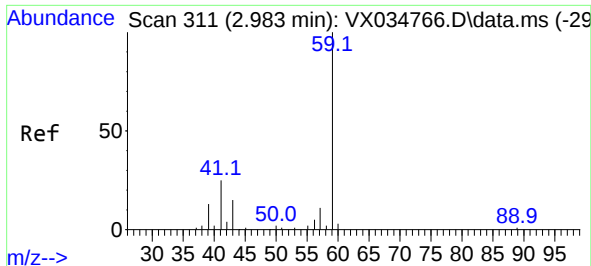


#19
trans-1,2-Dichloroethene
Concen: 0.310 ug/l
RT: 3.093 min Scan# 329
Delta R.T. -0.000 min
Lab File: VX034785.D
Acq: 28 Mar 2023 11:37

Tgt Ion: 96 Resp: 857

Ion	Ratio	Lower	Upper
96	100		
61	159.1	111.1	166.7
98	50.4	48.6	72.8

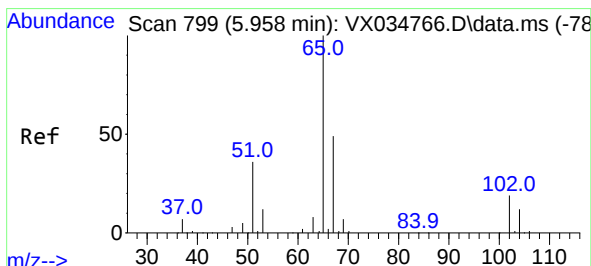
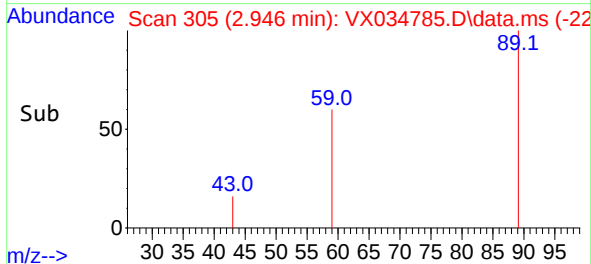
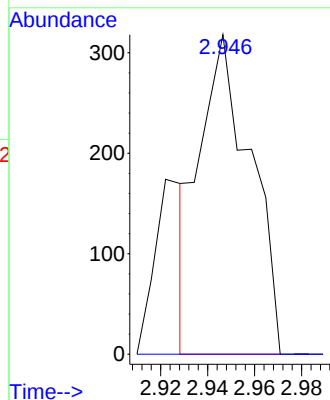
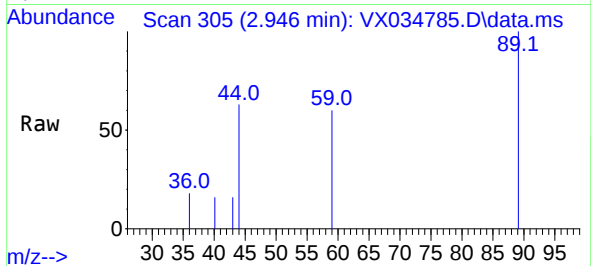




#23
tert-Butyl Alcohol
Concen: 0.683 ug/l
RT: 2.946 min Scan# 30
Delta R.T. -0.037 min
Lab File: VX034785.D
Acq: 28 Mar 2023 11:37

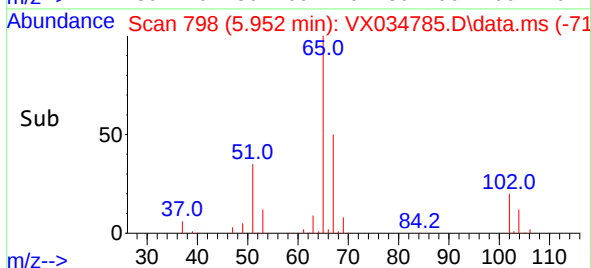
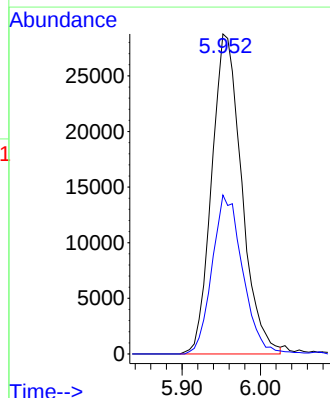
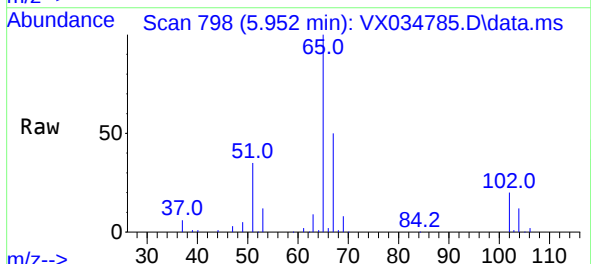
Instrument :
MSVOA_X
ClientSampleId :
IBLK

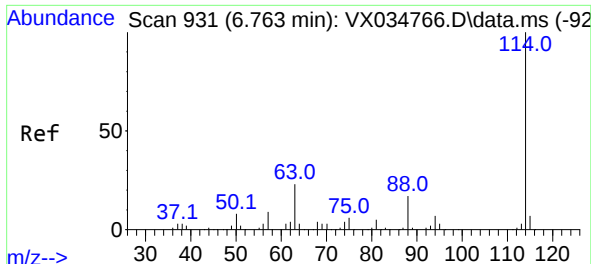
Tgt Ion: 59 Resp: 474
Ion Ratio Lower Upper
59 100
52 0.0 0.2 0.4#



#27
1,2-Dichloroethane-d4
Concen: 31.246 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX034785.D
Acq: 28 Mar 2023 11:37

Tgt Ion: 65 Resp: 76533
Ion Ratio Lower Upper
65 100
67 50.5 40.9 61.3

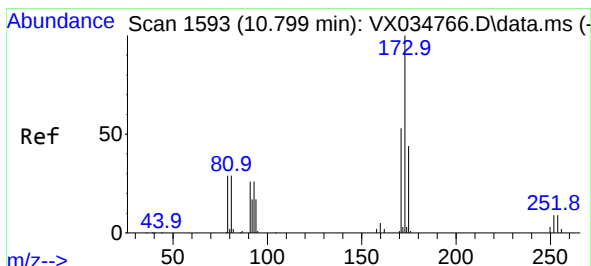
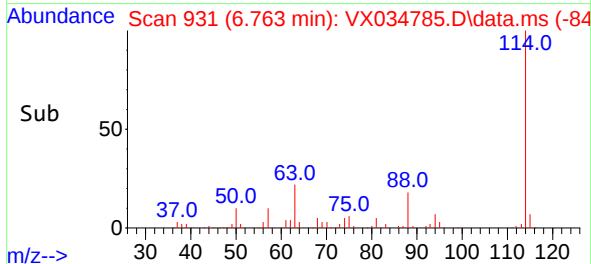
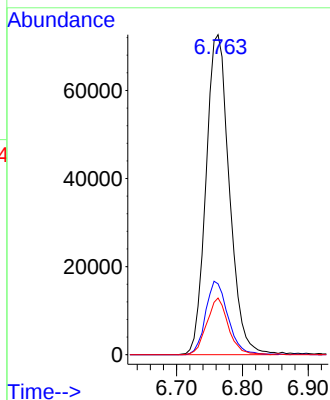
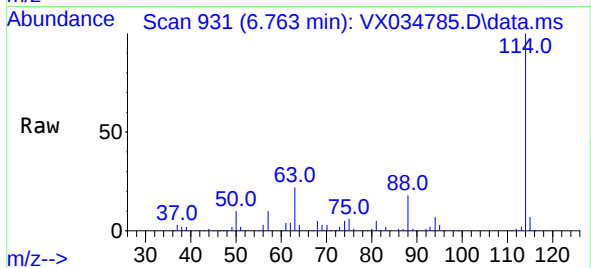




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX034785.D
Acq: 28 Mar 2023 11:37

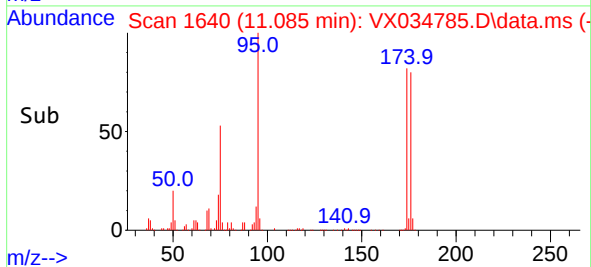
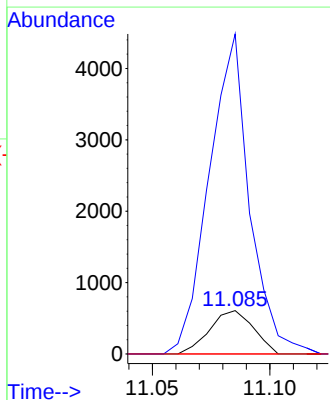
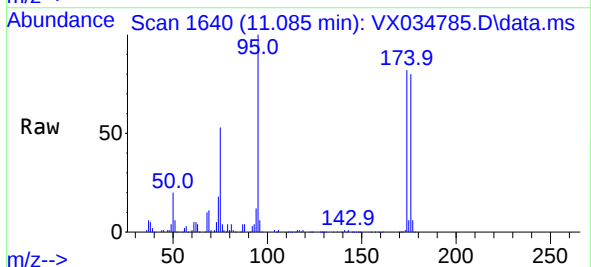
Instrument :
MSVOA_X
ClientSampleId :
IBLK

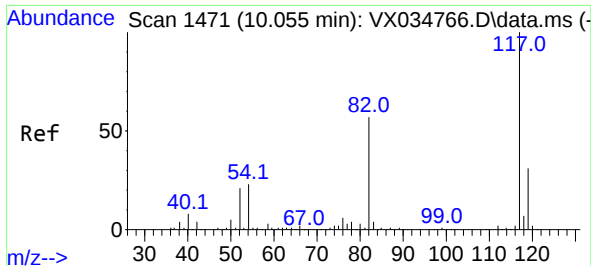
Tgt Ion:114 Resp: 179658
Ion Ratio Lower Upper
114 100
63 22.0 18.0 27.0
88 16.4 13.3 19.9



#56
Bromoform
Concen: 0.388 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.286 min
Lab File: VX034785.D
Acq: 28 Mar 2023 11:37

Tgt Ion:173 Resp: 790
Ion Ratio Lower Upper
173 100
175 680.0 37.0 55.4#
254 0.0 6.7 10.1#

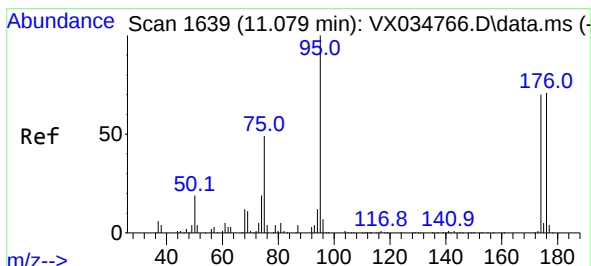
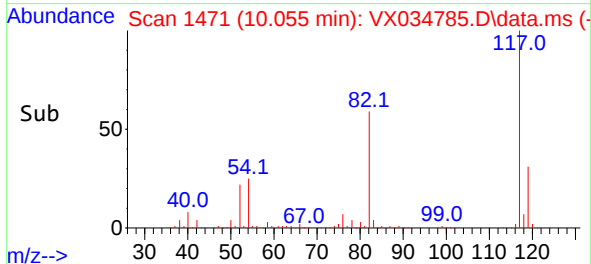
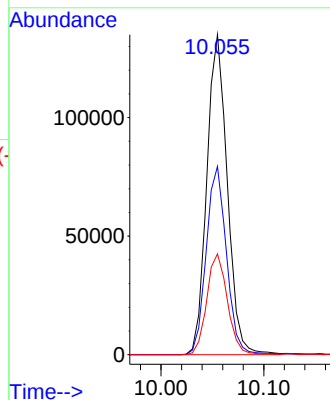
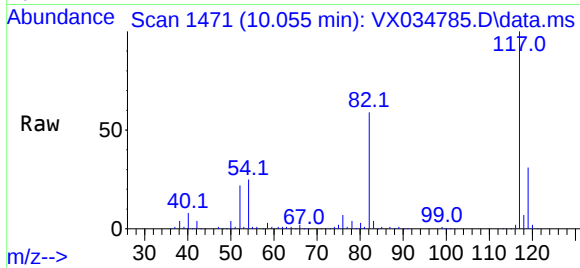




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034785.D
Acq: 28 Mar 2023 11:37

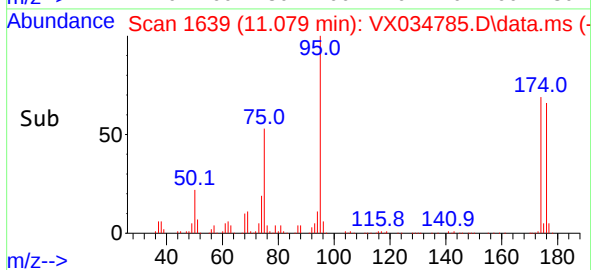
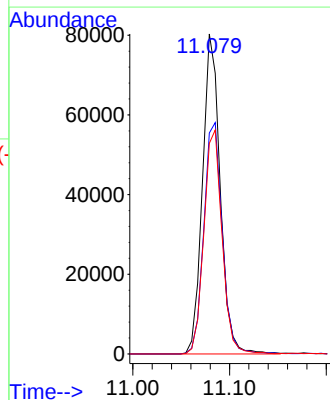
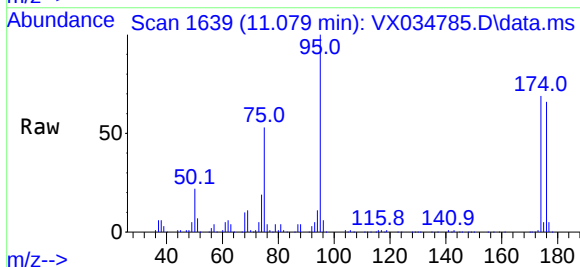
Instrument :
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ClientSampleId :
IBLK

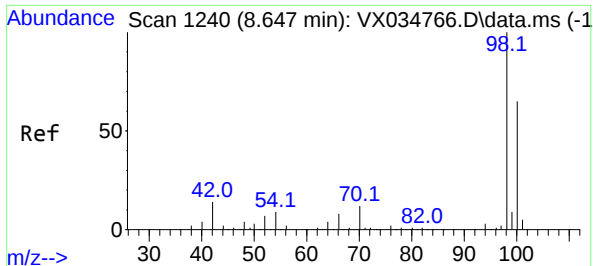
Tgt Ion:117 Resp: 186982
Ion Ratio Lower Upper
117 100
82 58.6 45.8 68.8
119 31.8 25.4 38.0



#60
4-Bromofluorobenzene
Concen: 27.371 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX034785.D
Acq: 28 Mar 2023 11:37

Tgt Ion: 95 Resp: 102262
Ion Ratio Lower Upper
95 100
174 75.4 0.2 0.4#
176 72.0 0.2 0.2#

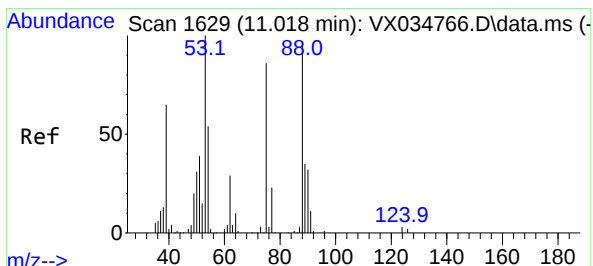
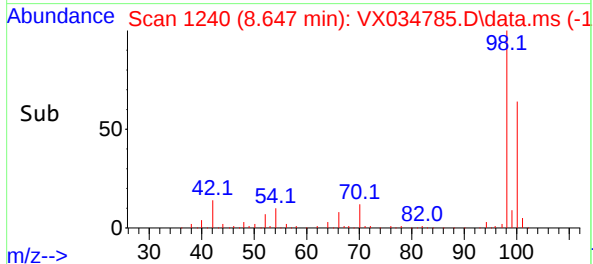
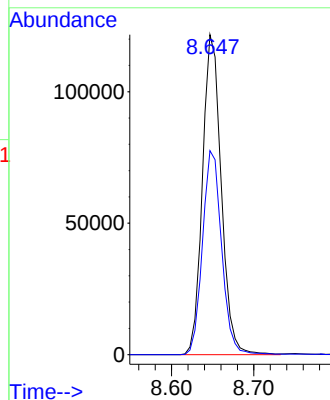
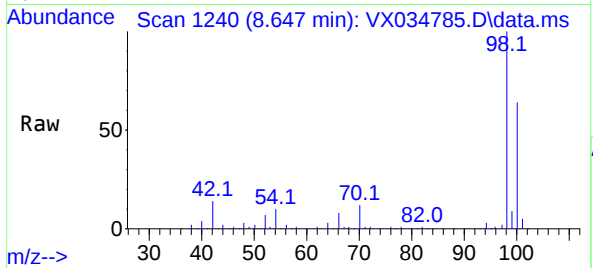




#63
Toluene-d8
Concen: 30.381 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034785.D
Acq: 28 Mar 2023 11:37

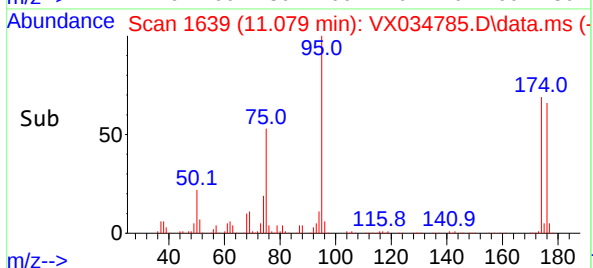
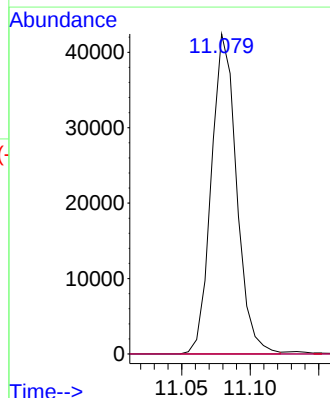
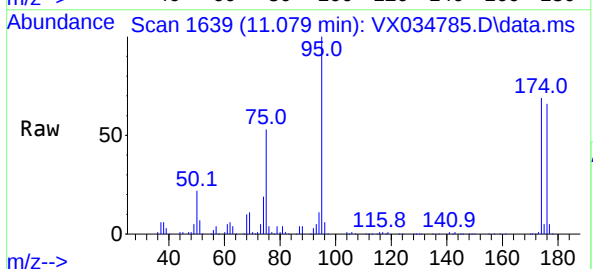
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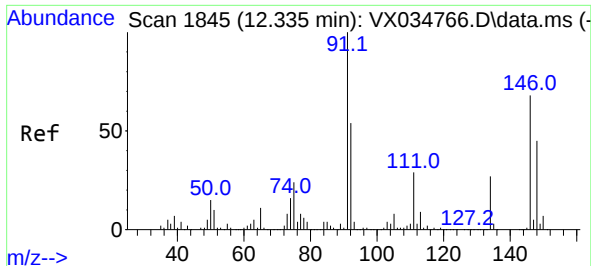
Tgt Ion: 98 Resp: 193050
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1



#77
t-1,4-Dichloro-2-butene
Concen: 44.681 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034785.D
Acq: 28 Mar 2023 11:37

Tgt Ion: 75 Resp: 54448
Ion Ratio Lower Upper
75 100
53 0.0 58.2 174.6#
89 0.0 20.6 61.8#





#87

1,2-Dichlorobenzene

Concen: 0.254 ug/l

RT: 12.341 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX034785.D

Acq: 28 Mar 2023 11:37

Instrument :

MSVOA_X

ClientSampleId :

IBLK

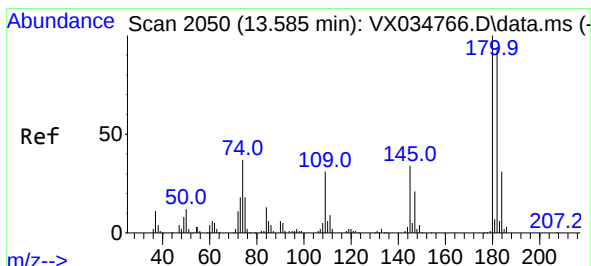
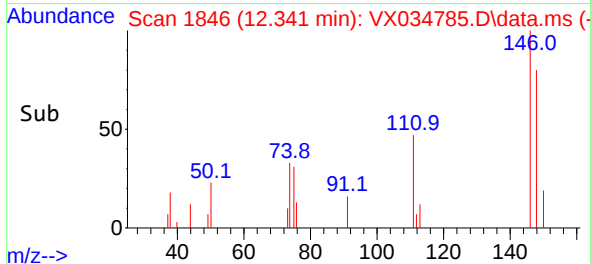
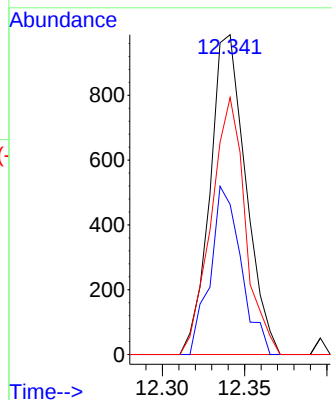
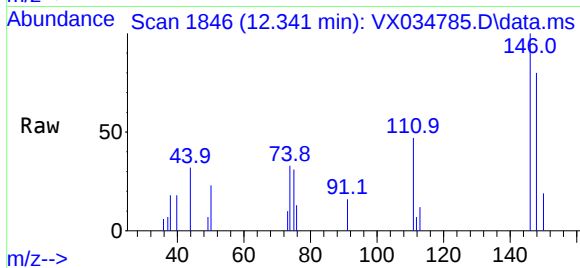
Tgt Ion:146 Resp: 1496

Ion Ratio Lower Upper

146 100

111 45.3 21.3 64.0

148 76.5 31.7 95.1



#89

1,2,4-Trichlorobenzene

Concen: 0.561 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX034785.D

Acq: 28 Mar 2023 11:37

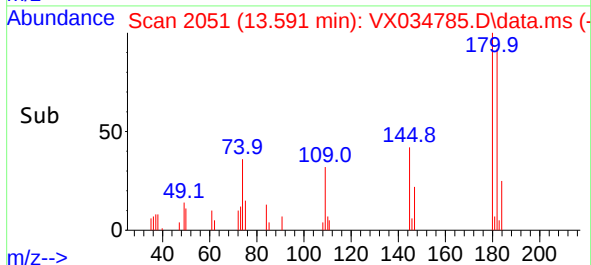
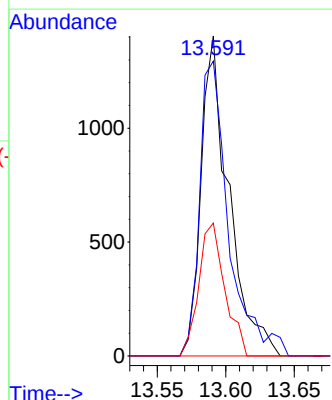
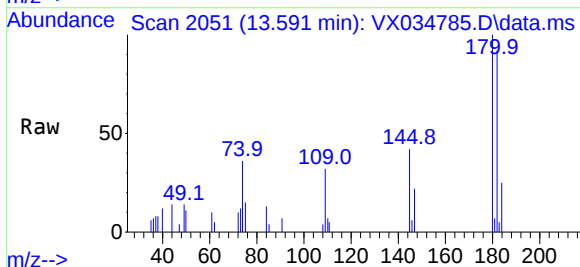
Tgt Ion:180 Resp: 1981

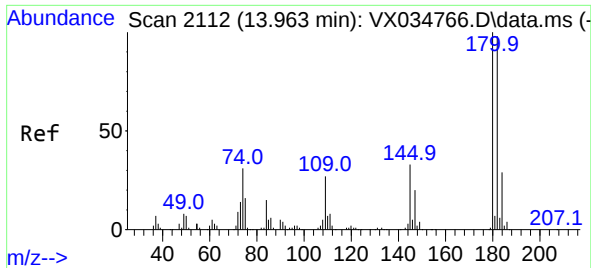
Ion Ratio Lower Upper

180 100

182 93.3 75.8 113.8

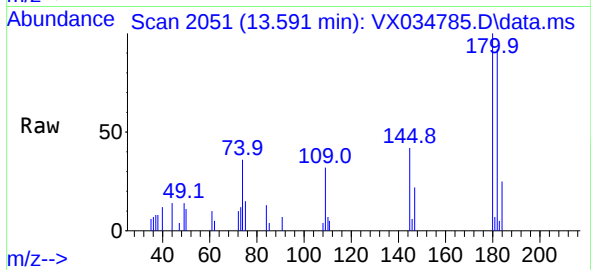
145 39.1 25.8 38.6#





#92
 1,2,3-Trichlorobenzene
 Concen: 0.561 ug/l
 RT: 13.591 min Scan# 2051
 Delta R.T. -0.372 min
 Lab File: VX034785.D
 Acq: 28 Mar 2023 11:37

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK



Tgt Ion:	180	Resp:	1981
Ion	Ratio	Lower	Upper
180	100		
182	93.3	0.0	191.0
145	39.1	0.0	66.8

