

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033023\
 Data File : VX034852.D
 Acq On : 30 Mar 2023 15:05
 Operator : JC/MD
 Sample : 02074-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-032323

Quant Time: Mar 31 01:32:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 30 11:02:25 2023
 Response via : Initial Calibration

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

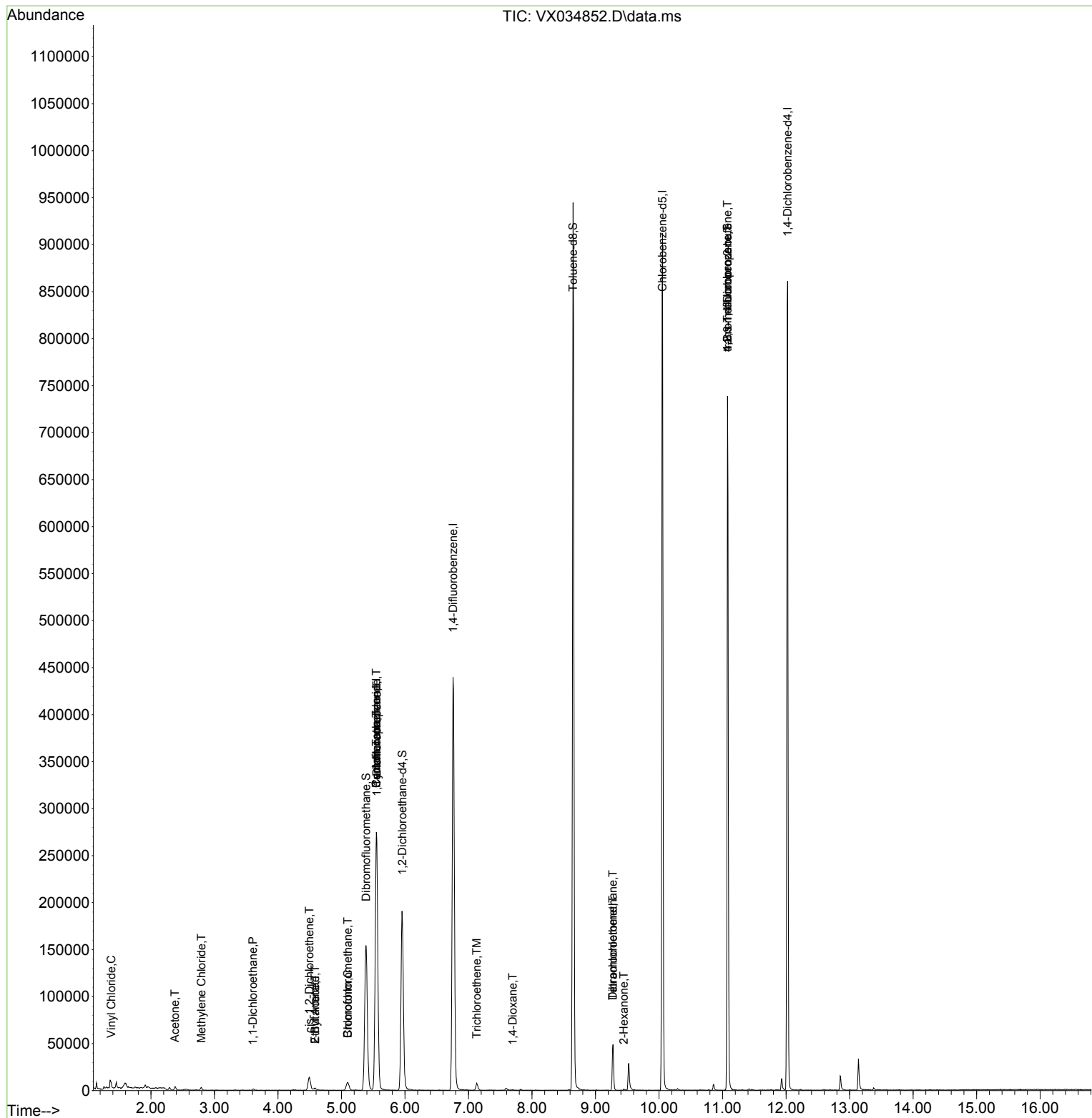
Internal Standards						
1) Pentafluorobenzene	5.550	168	252716	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	431940	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	384763	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	172349	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	179158	46.355	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.700%
35) Dibromofluoromethane	5.385	113	135218	47.330	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.660%
50) Toluene-d8	8.647	98	524999	49.786	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.580%
62) 4-Bromofluorobenzene	11.079	95	188253	46.133	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.260%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.374	62	2382	0.766	ug/l #	88
16) Acetone	2.380	43	4127	2.639	ug/l	95
20) Methylene Chloride	2.794	84	1220	0.390	ug/l #	86
24) 1,1-Dichloroethane	3.605	63	1706	0.311	ug/l #	81
25) 2-Butanone	4.587	43	4460	1.965	ug/l	96
27) cis-1,2-Dichloroethene	4.495	96	8585	2.599	ug/l	93
28) Bromochloromethane	5.099	49	845	0.313	ug/l #	15
30) Chloroform	5.099	83	10526	1.905	ug/l	95
31) Cyclohexane	5.550	56	6460	1.373	ug/l #	5
36) 1,1-Dichloropropene	5.556	75	21507	5.098	ug/l #	50
37) Ethyl Acetate	4.587	43	4460	1.006	ug/l #	70
38) Carbon Tetrachloride	5.550	117	26762	6.679	ug/l #	15
44) Trichloroethene	7.129	130	2778	0.897	ug/l	93
49) 1,4-Dioxane	7.696	88	90	1.231	ug/l #	1
59) 2-Hexanone	9.445	43	1030	0.312	ug/l	98
60) Dibromochloromethane	9.275	129	8661	3.033	ug/l #	10
64) Tetrachloroethene	9.275	164	8838	3.217	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	102795	29.127	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	102795	77.982	ug/l #	8

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

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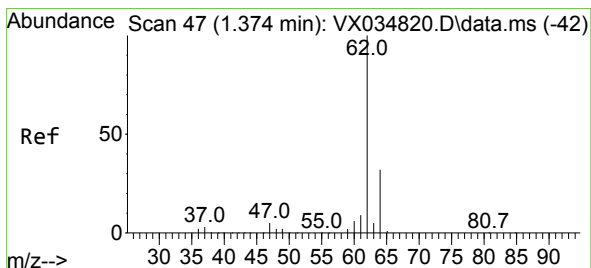
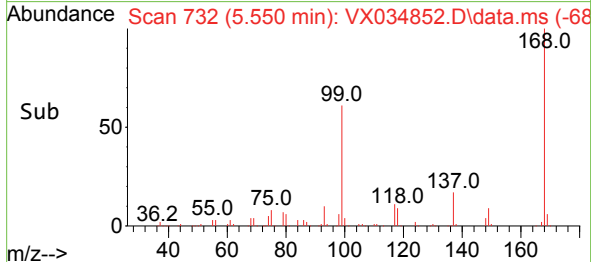
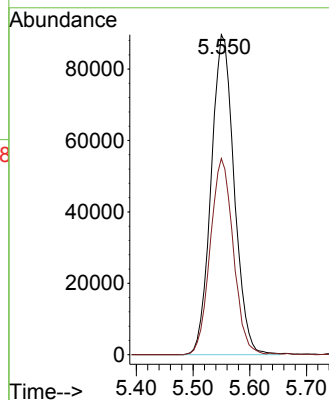
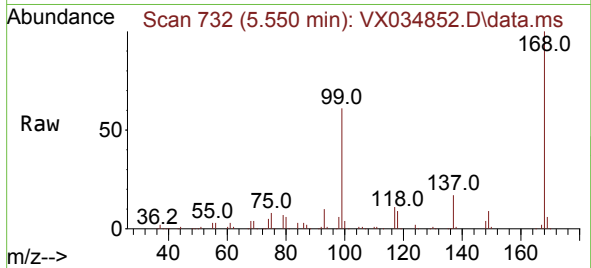




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX034852.D
Acq: 30 Mar 2023 15:05

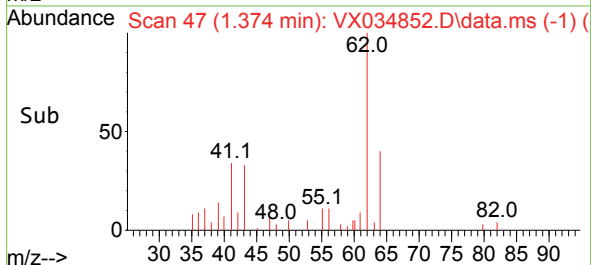
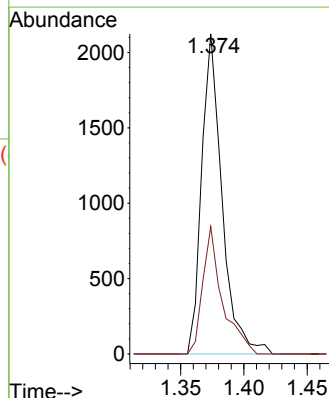
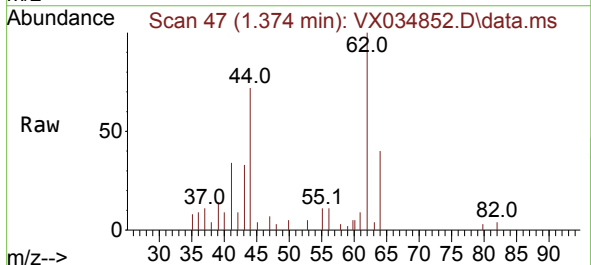
Instrument :
MSVOA_X
ClientSampleId :
TB-01-032323

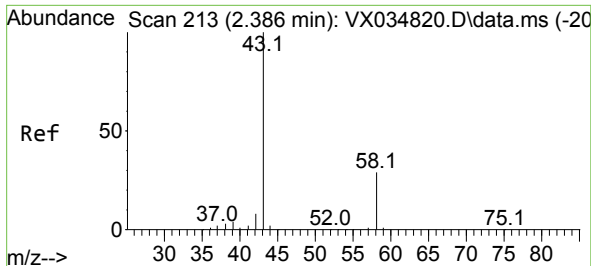
Tgt Ion:168 Resp: 252716
Ion Ratio Lower Upper
168 100
99 61.3 45.7 68.5



#4
Vinyl Chloride
Concen: 0.766 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX034852.D
Acq: 30 Mar 2023 15:05

Tgt Ion: 62 Resp: 2382
Ion Ratio Lower Upper
62 100
64 39.8 26.4 39.6#

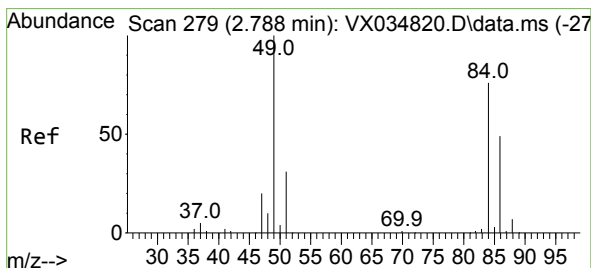
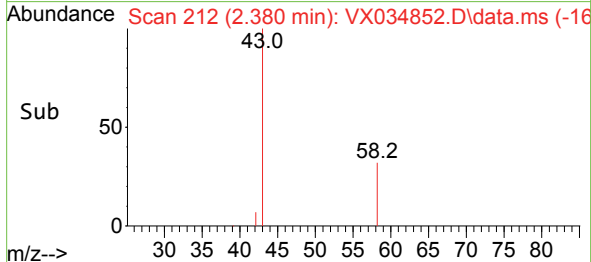
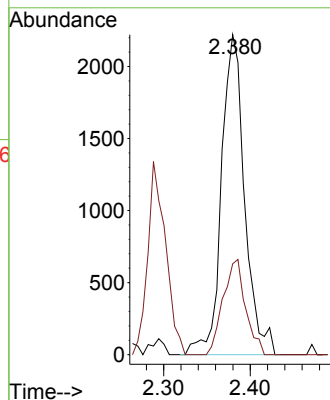
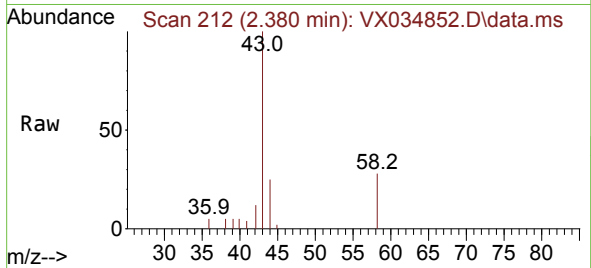




#16
Acetone
Concen: 2.639 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX034852.D
Acq: 30 Mar 2023 15:05

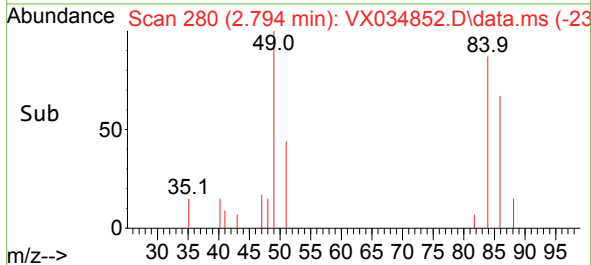
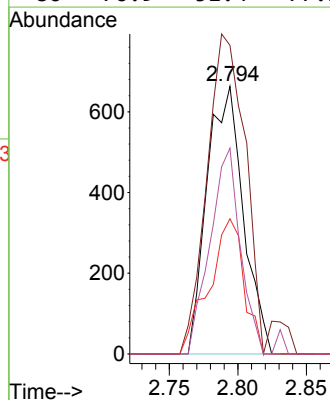
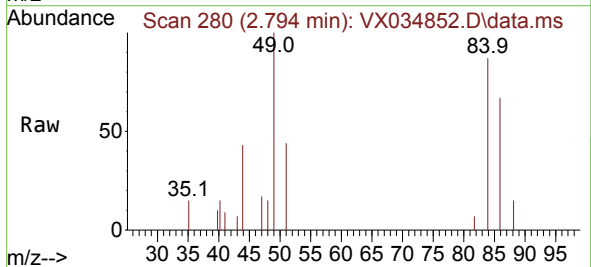
Instrument :
MSVOA_X
ClientSampleId :
TB-01-032323

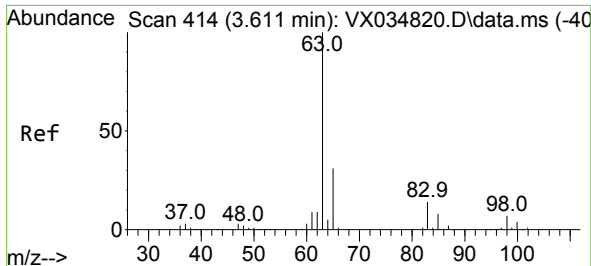
Tgt Ion: 43 Resp: 4127
Ion Ratio Lower Upper
43 100
58 28.4 24.7 37.1



#20
Methylene Chloride
Concen: 0.390 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX034852.D
Acq: 30 Mar 2023 15:05

Tgt Ion: 84 Resp: 1220
Ion Ratio Lower Upper
84 100
49 115.4 103.8 155.8
51 50.5 31.8 47.8#
86 76.9 51.4 77.2





#24

1,1-Dichloroethane

Concen: 0.311 ug/l

RT: 3.605 min Scan# 41

Delta R.T. -0.006 min

Lab File: VX034852.D

Acq: 30 Mar 2023 15:05

Instrument :

MSVOA_X

ClientSampleId :

TB-01-032323

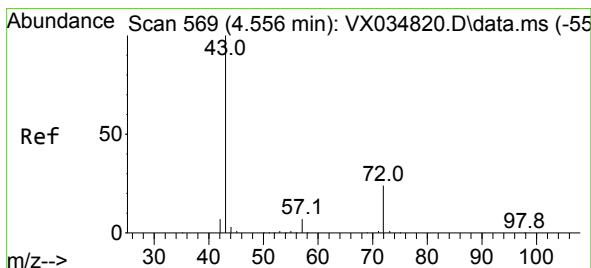
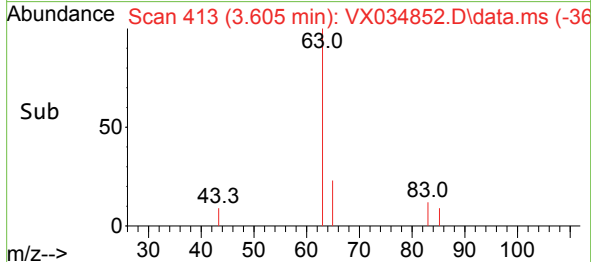
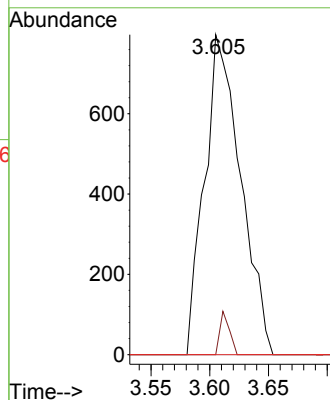
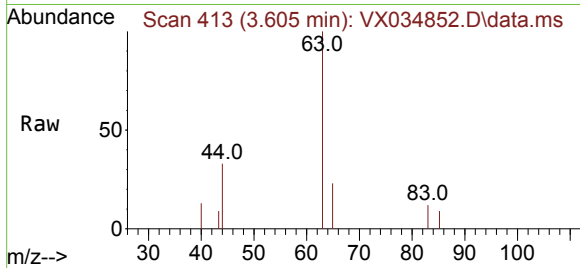
Tgt Ion: 63 Resp: 1706

Ion Ratio Lower Upper

63 100

98 0.0 3.8 11.2#

100 0.0 2.4 7.1#



#25

2-Butanone

Concen: 1.965 ug/l

RT: 4.587 min Scan# 574

Delta R.T. 0.031 min

Lab File: VX034852.D

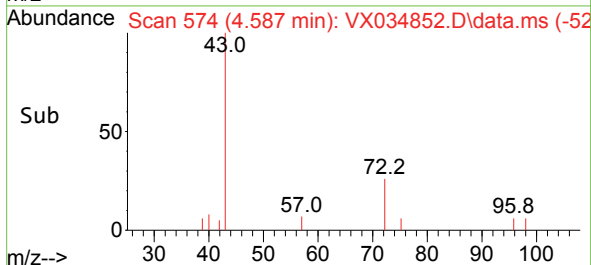
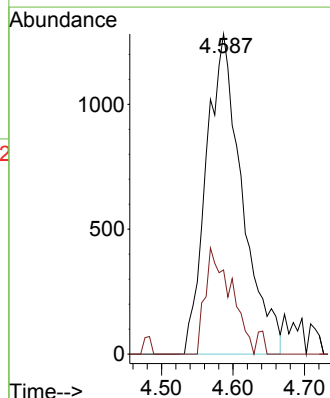
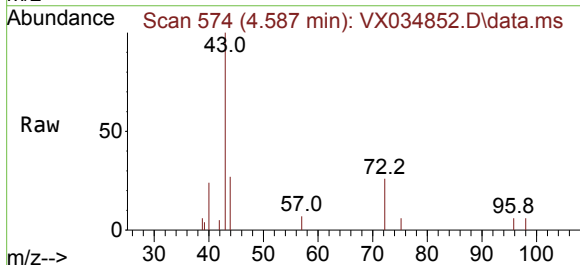
Acq: 30 Mar 2023 15:05

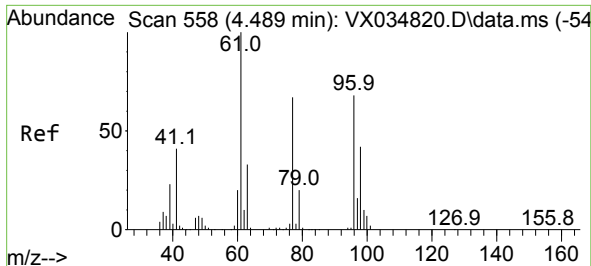
Tgt Ion: 43 Resp: 4460

Ion Ratio Lower Upper

43 100

72 26.3 19.3 28.9

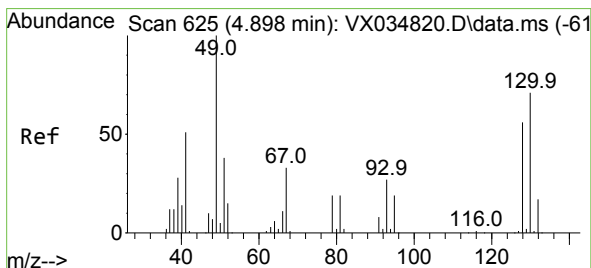
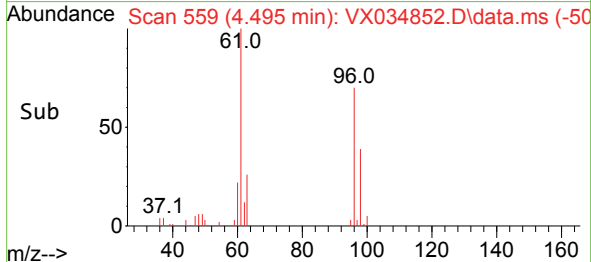
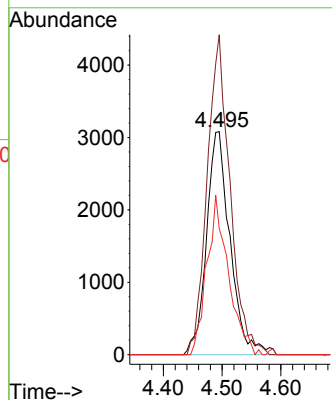
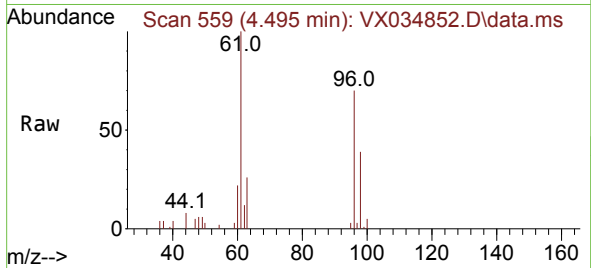




#27
 cis-1,2-Dichloroethene
 Concen: 2.599 ug/l
 RT: 4.495 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VX034852.D
 Acq: 30 Mar 2023 15:05

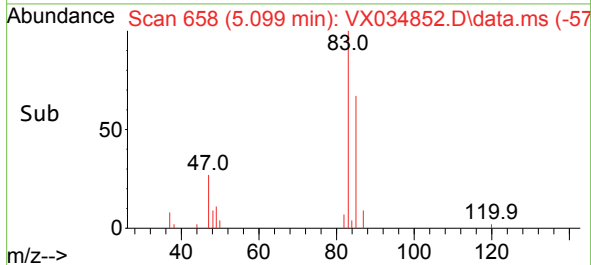
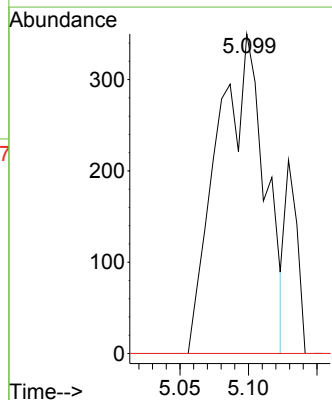
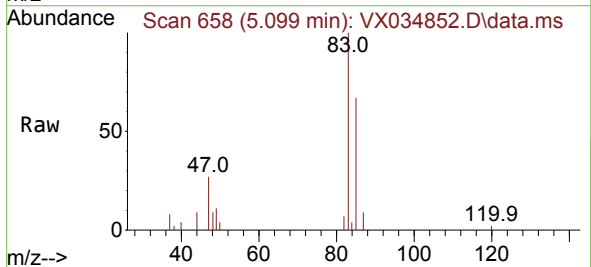
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-032323

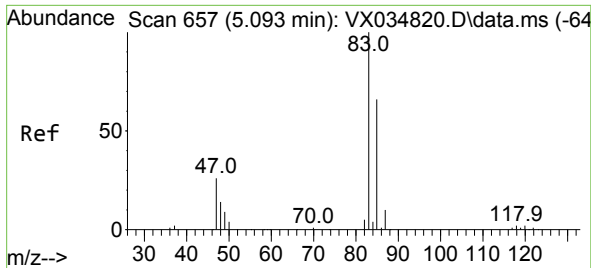
Tgt Ion: 96 Resp: 8585
 Ion Ratio Lower Upper
 96 100
 61 138.9 0.0 300.4
 98 65.4 0.0 129.0



#28
 Bromochloromethane
 Concen: 0.313 ug/l
 RT: 5.099 min Scan# 658
 Delta R.T. 0.201 min
 Lab File: VX034852.D
 Acq: 30 Mar 2023 15:05

Tgt Ion: 49 Resp: 845
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.0
 130 0.0 58.2 87.2#

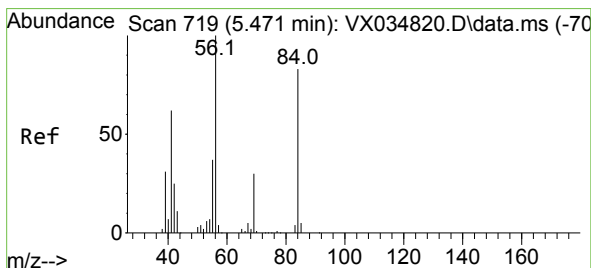
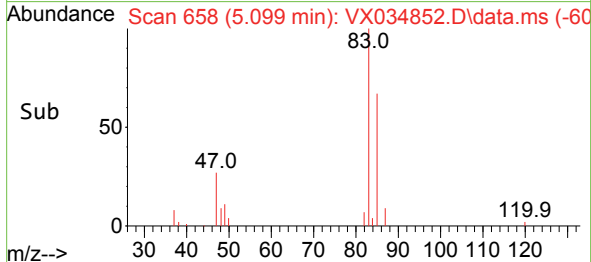
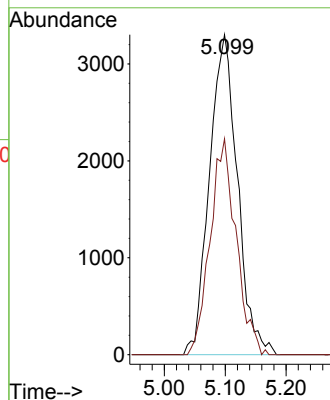
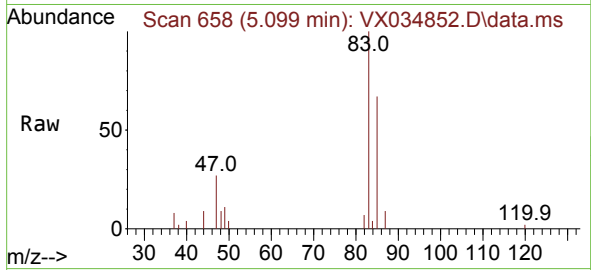




#30
Chloroform
Concen: 1.905 ug/l
RT: 5.099 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX034852.D
Acq: 30 Mar 2023 15:05

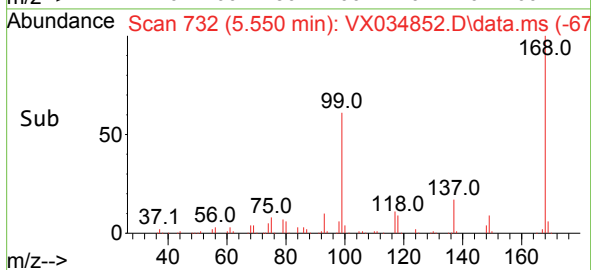
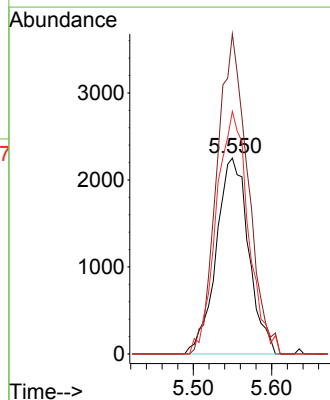
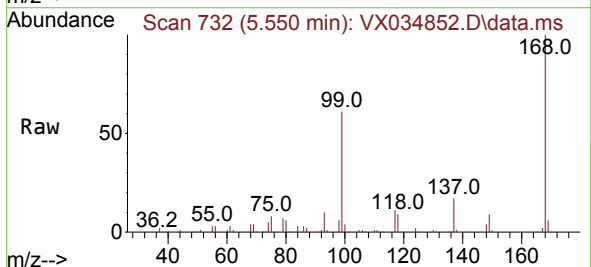
Instrument :
MSVOA_X
ClientSampleId :
TB-01-032323

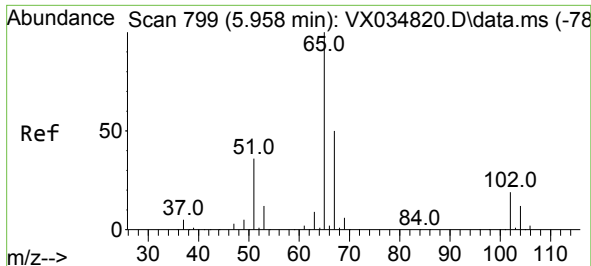
Tgt Ion: 83 Resp: 10526
Ion Ratio Lower Upper
83 100
85 67.5 50.6 76.0



#31
Cyclohexane
Concen: 1.373 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX034852.D
Acq: 30 Mar 2023 15:05

Tgt Ion: 56 Resp: 6460
Ion Ratio Lower Upper
56 100
69 163.4 23.7 35.5#
84 123.9 68.5 102.7#





#33

1,2-Dichloroethane-d4

Concen: 46.355 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX034852.D

Acq: 30 Mar 2023 15:05

Instrument :

MSVOA_X

ClientSampleId :

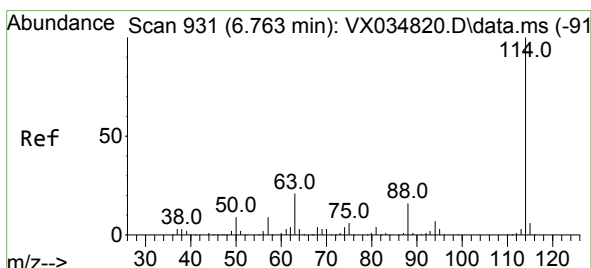
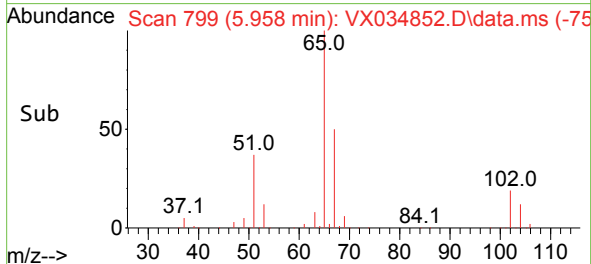
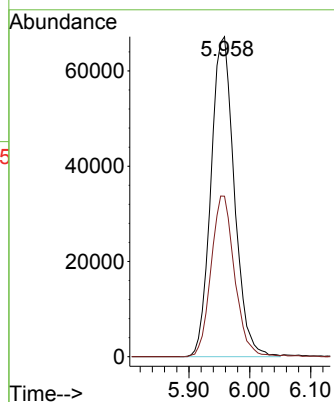
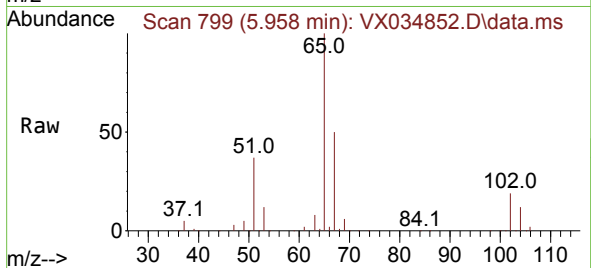
TB-01-032323

Tgt Ion: 65 Resp: 179158

Ion Ratio Lower Upper

65 100

67 50.5 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX034852.D

Acq: 30 Mar 2023 15:05

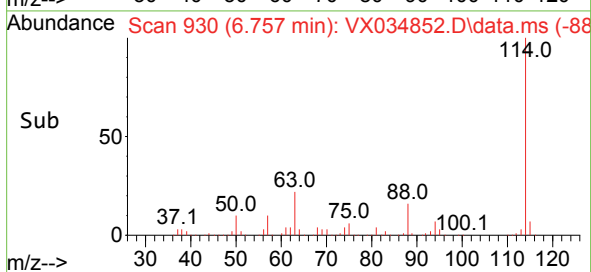
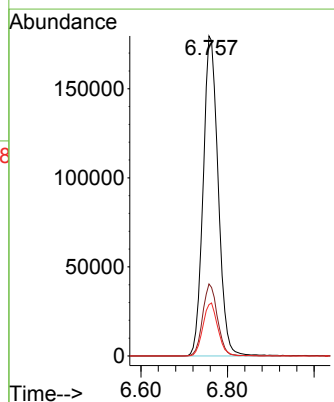
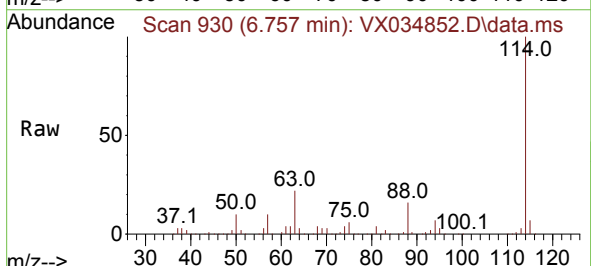
Tgt Ion: 114 Resp: 431940

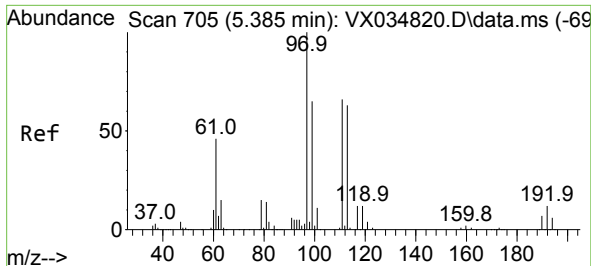
Ion Ratio Lower Upper

114 100

63 22.5 0.0 42.2

88 16.1 0.0 33.2

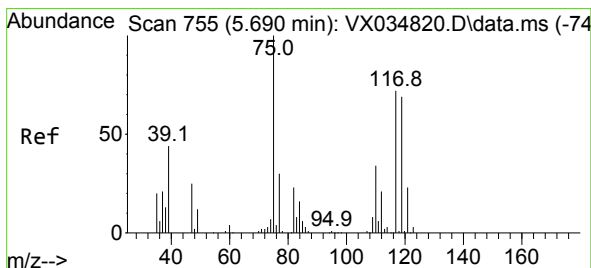
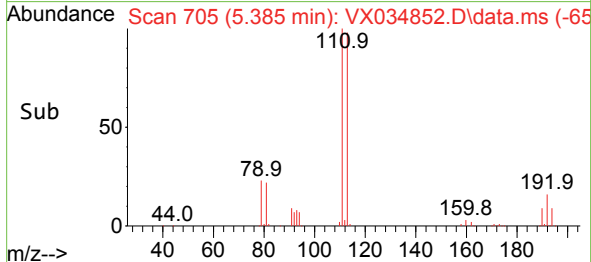
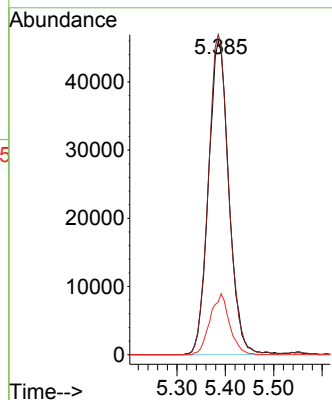
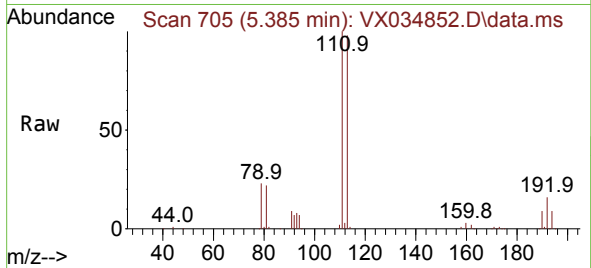




#35
Dibromofluoromethane
Concen: 47.330 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX034852.D
Acq: 30 Mar 2023 15:05

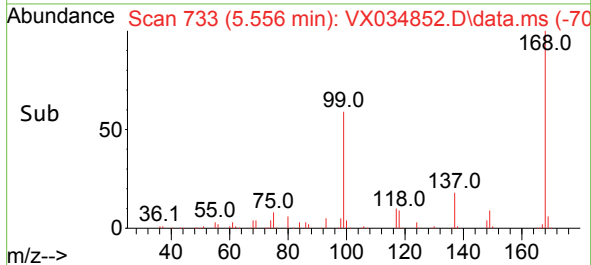
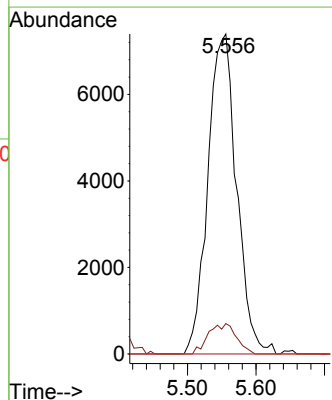
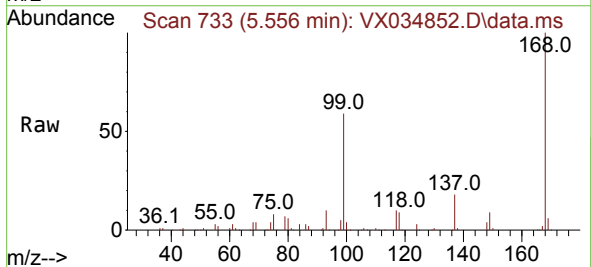
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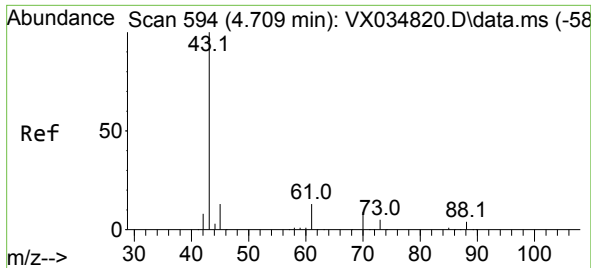
Tgt Ion:113 Resp: 135218
Ion Ratio Lower Upper
113 100
111 101.1 83.7 125.5
192 18.5 15.4 23.2



#36
1,1-Dichloropropene
Concen: 5.098 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX034852.D
Acq: 30 Mar 2023 15:05

Tgt Ion: 75 Resp: 21507
Ion Ratio Lower Upper
75 100
110 9.3 17.5 52.5#
77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 1.006 ug/l

RT: 4.587 min Scan# 51

Delta R.T. -0.122 min

Lab File: VX034852.D

Acq: 30 Mar 2023 15:05

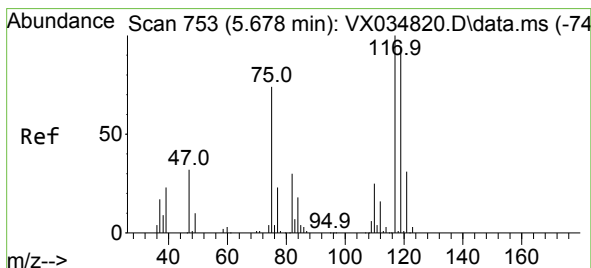
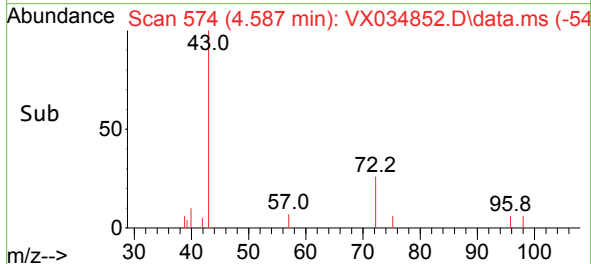
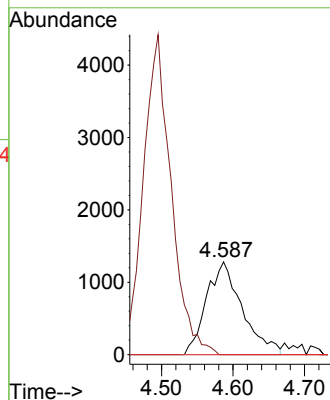
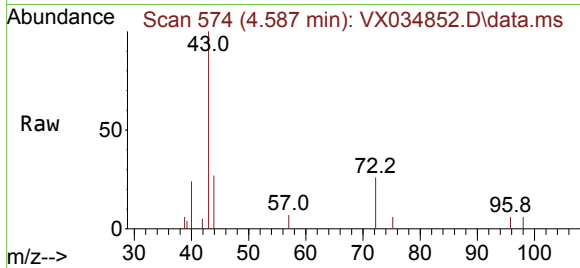
Instrument :

MSVOA_X

ClientSampleId :

TB-01-032323

Tgt Ion:	43	Resp:	4460
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.2	15.4#
70	0.0	8.2	12.4#



#38

Carbon Tetrachloride

Concen: 6.679 ug/l

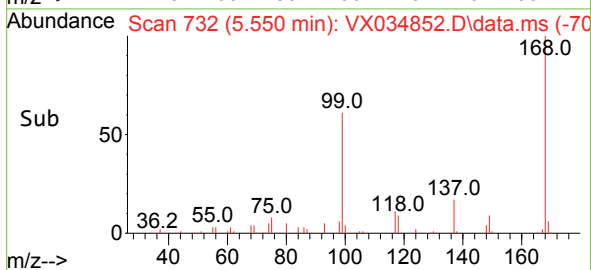
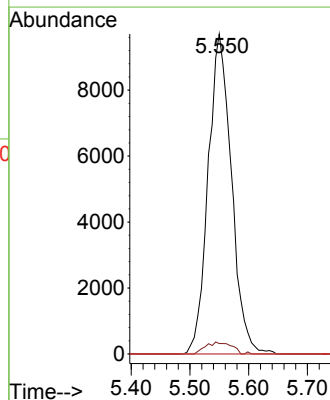
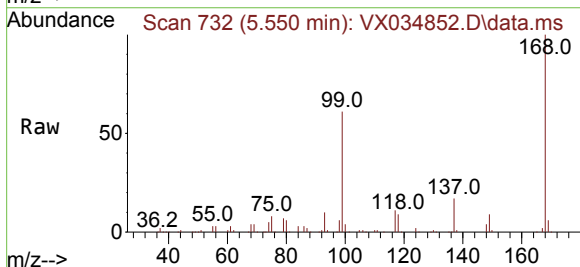
RT: 5.550 min Scan# 732

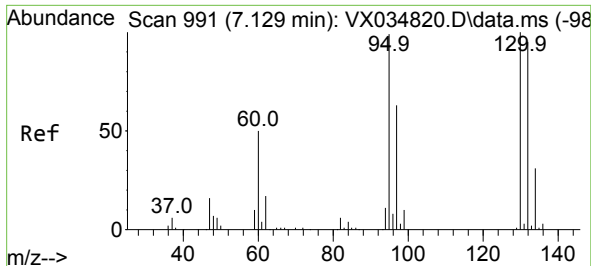
Delta R.T. -0.128 min

Lab File: VX034852.D

Acq: 30 Mar 2023 15:05

Tgt Ion:	117	Resp:	26762
Ion	Ratio	Lower	Upper
117	100		
119	3.3	76.6	114.8#
121	0.0	23.8	35.6#

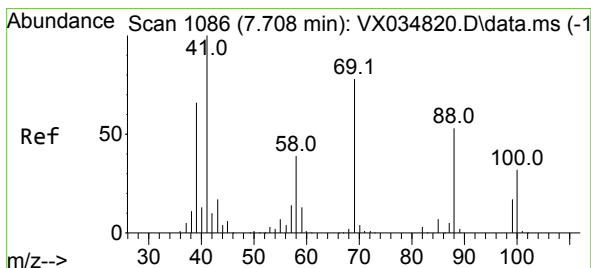
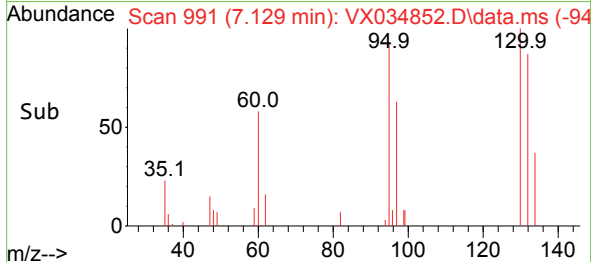
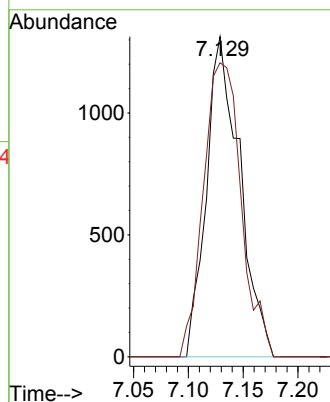
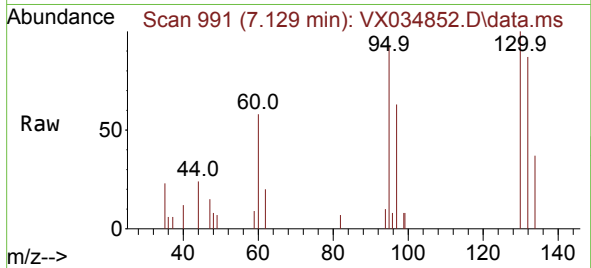




#44
Trichloroethene
Concen: 0.897 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX034852.D
Acq: 30 Mar 2023 15:05

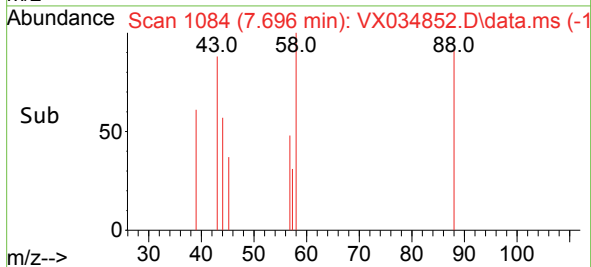
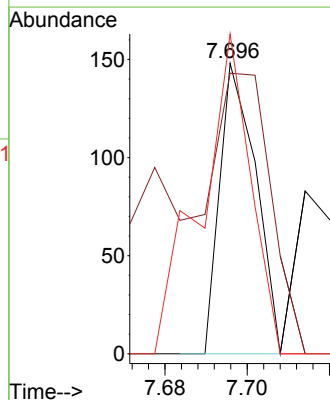
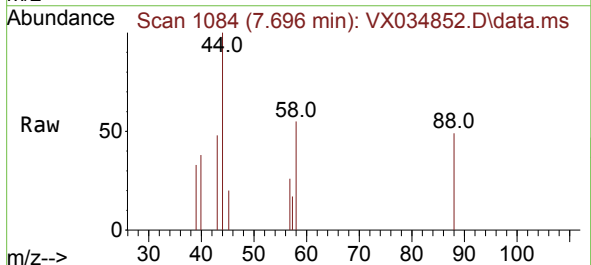
Instrument :
MSVOA_X
ClientSampleId :
TB-01-032323

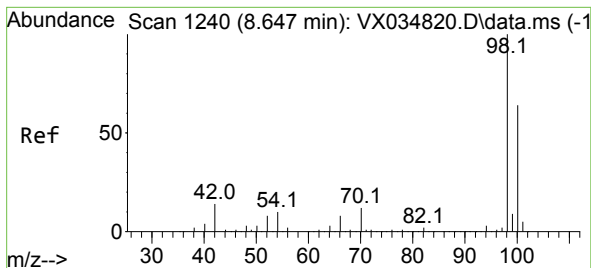
Tgt Ion:130 Resp: 2778
Ion Ratio Lower Upper
130 100
95 91.9 0.0 198.4



#49
1,4-Dioxane
Concen: 1.231 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.012 min
Lab File: VX034852.D
Acq: 30 Mar 2023 15:05

Tgt Ion: 88 Resp: 90
Ion Ratio Lower Upper
88 100
43 257.8 27.7 41.5#
58 152.2 56.8 85.2#





#50

Toluene-d8

Concen: 49.786 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX034852.D

Acq: 30 Mar 2023 15:05

Instrument :

MSVOA_X

ClientSampleId :

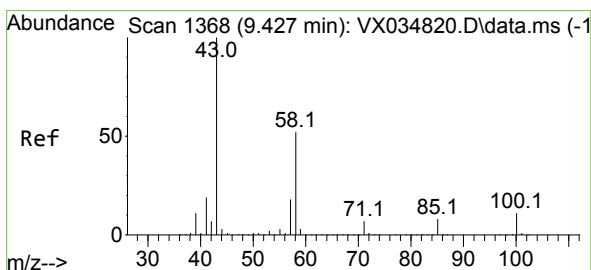
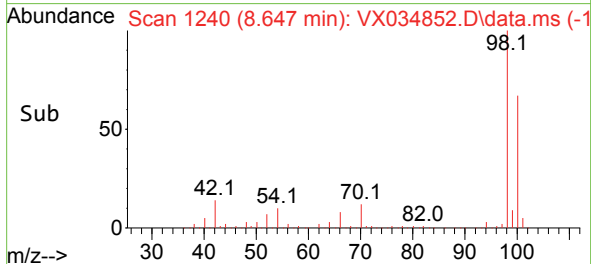
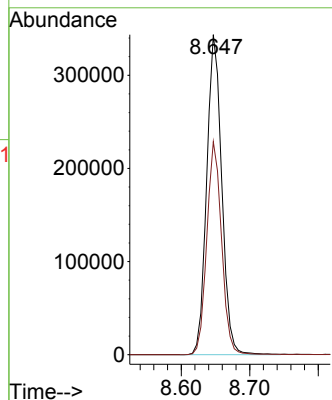
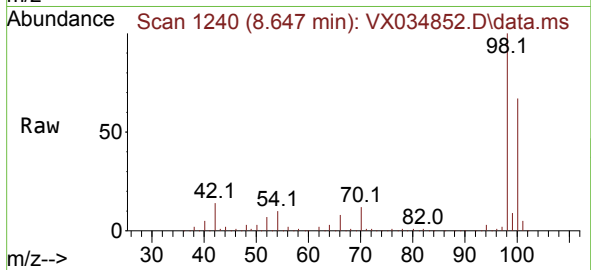
TB-01-032323

Tgt Ion: 98 Resp: 524999

Ion Ratio Lower Upper

98 100

100 65.4 52.5 78.7



#59

2-Hexanone

Concen: 0.312 ug/l

RT: 9.445 min Scan# 1371

Delta R.T. 0.018 min

Lab File: VX034852.D

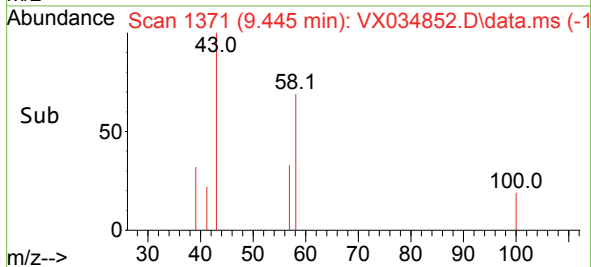
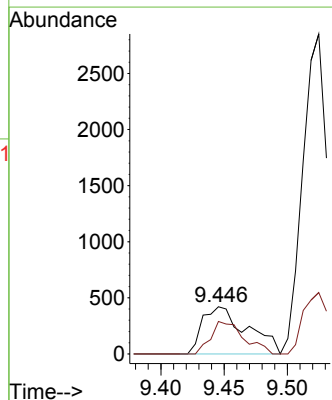
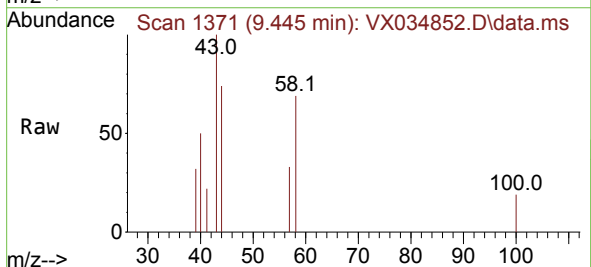
Acq: 30 Mar 2023 15:05

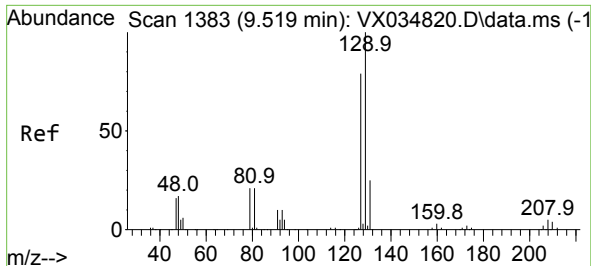
Tgt Ion: 43 Resp: 1030

Ion Ratio Lower Upper

43 100

58 50.9 26.3 78.9

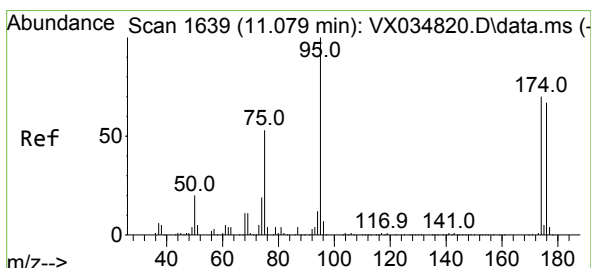
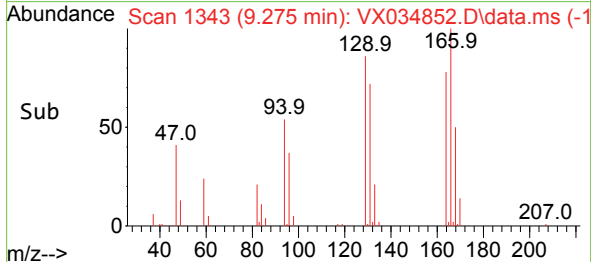
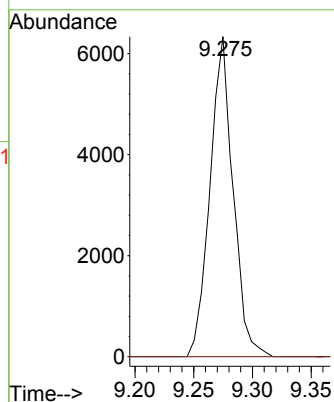
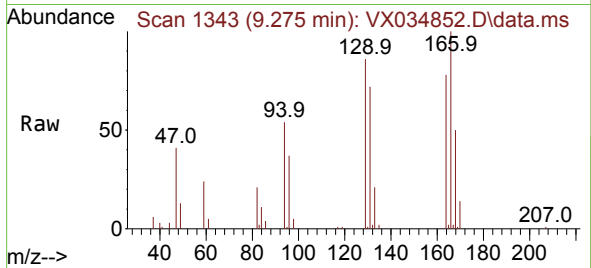




#60
Dibromochloromethane
Concen: 3.033 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX034852.D
Acq: 30 Mar 2023 15:05

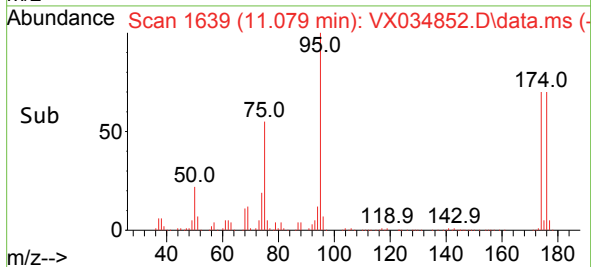
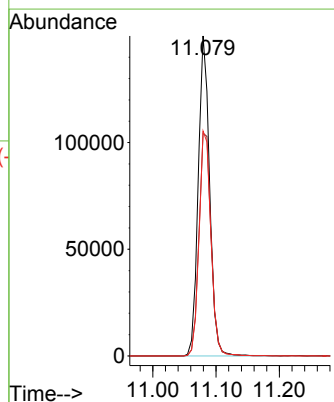
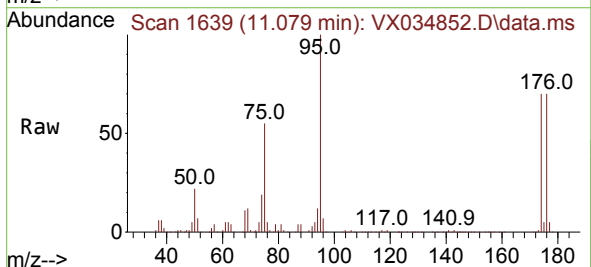
Instrument :
MSVOA_X
ClientSampleId :
TB-01-032323

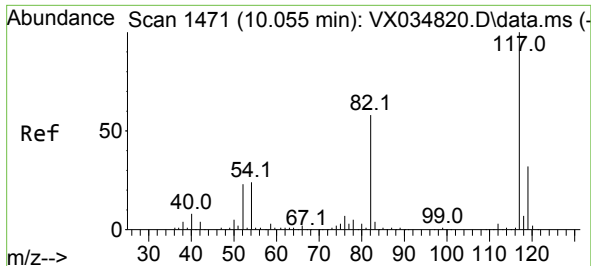
Tgt Ion:129 Resp: 8661
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#



#62
4-Bromofluorobenzene
Concen: 46.133 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034852.D
Acq: 30 Mar 2023 15:05

Tgt Ion: 95 Resp: 188253
Ion Ratio Lower Upper
95 100
174 74.0 0.0 147.4
176 73.1 0.0 140.6

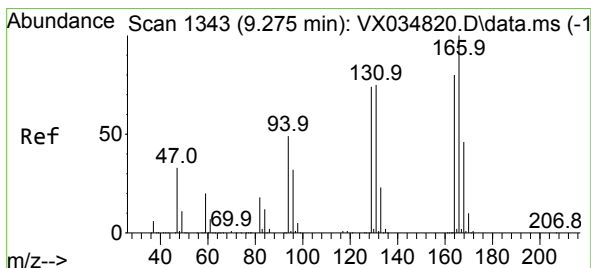
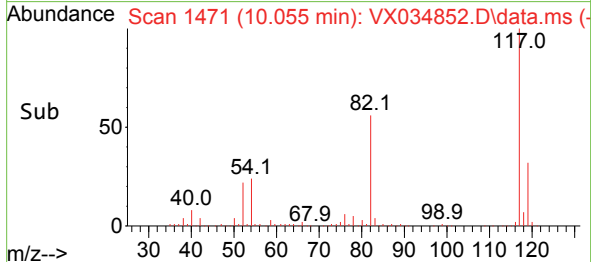
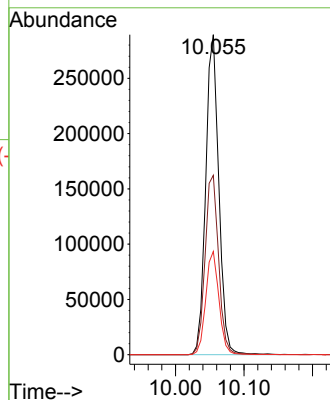
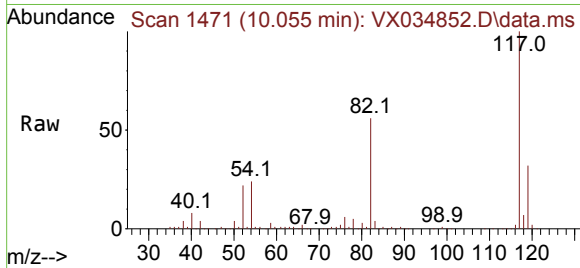




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034852.D
Acq: 30 Mar 2023 15:05

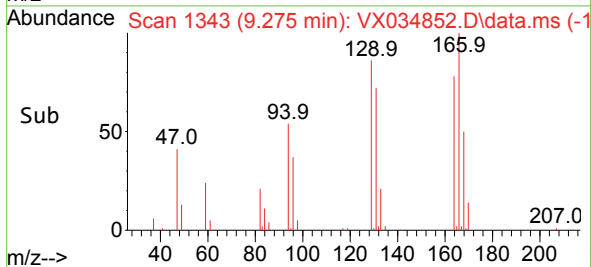
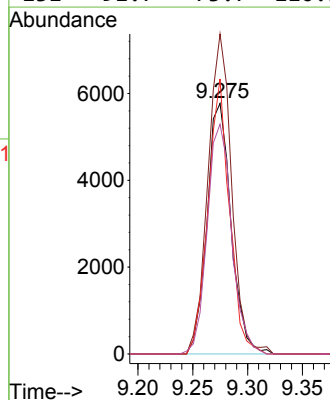
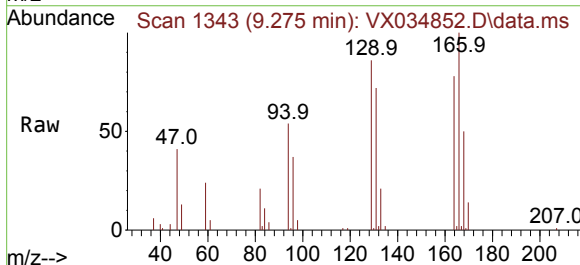
Instrument :
MSVOA_X
ClientSampleId :
TB-01-032323

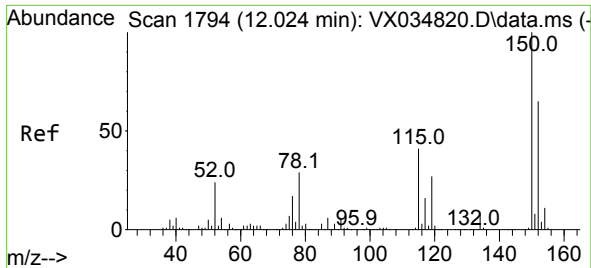
Tgt Ion:117 Resp: 384763
Ion Ratio Lower Upper
117 100
82 56.1 45.0 67.4
119 32.3 26.0 39.0



#64
Tetrachloroethene
Concen: 3.217 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX034852.D
Acq: 30 Mar 2023 15:05

Tgt Ion:164 Resp: 8838
Ion Ratio Lower Upper
164 100
166 127.7 102.7 154.1
129 109.8 75.6 113.4
131 91.7 73.7 110.5

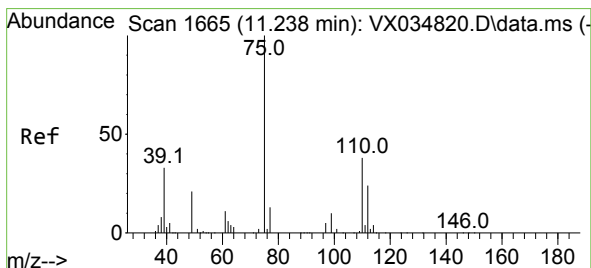
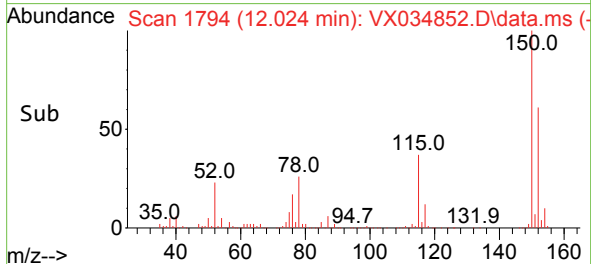
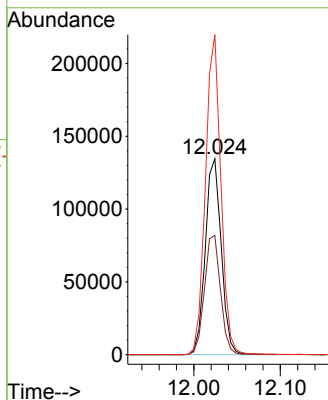
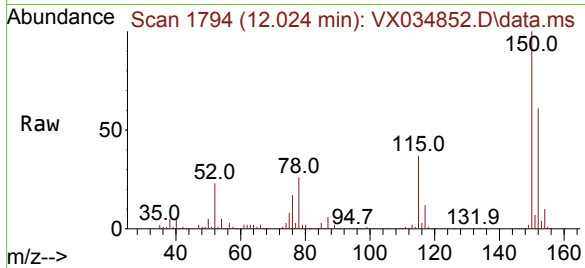




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX034852.D
 Acq: 30 Mar 2023 15:05

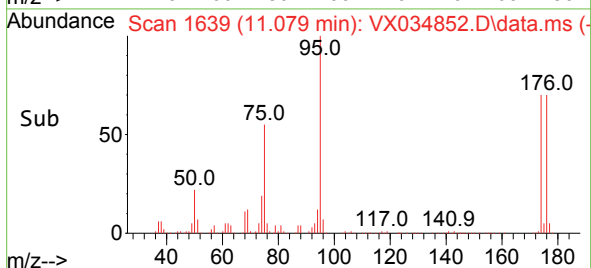
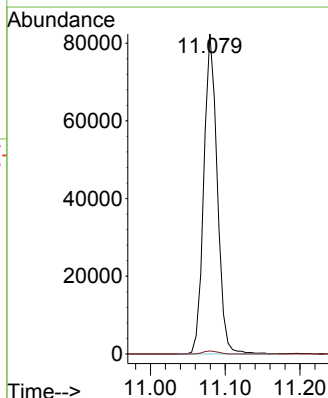
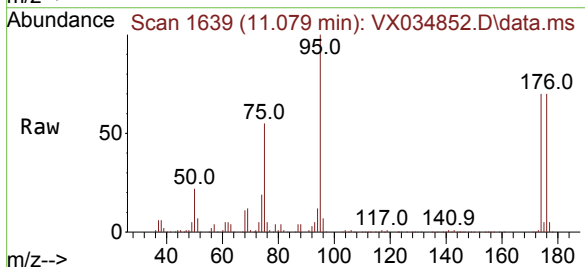
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-032323

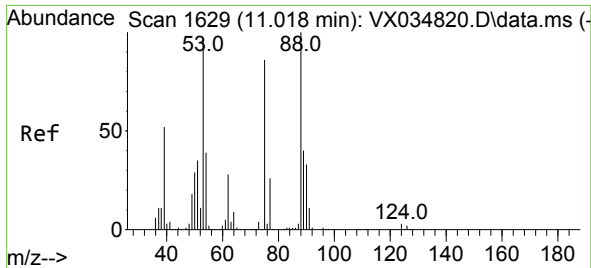
Tgt Ion:152 Resp: 172349
 Ion Ratio Lower Upper
 152 100
 115 61.4 45.0 135.0
 150 157.9 0.0 352.4



#76
 1,2,3-Trichloropropane
 Concen: 29.127 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX034852.D
 Acq: 30 Mar 2023 15:05

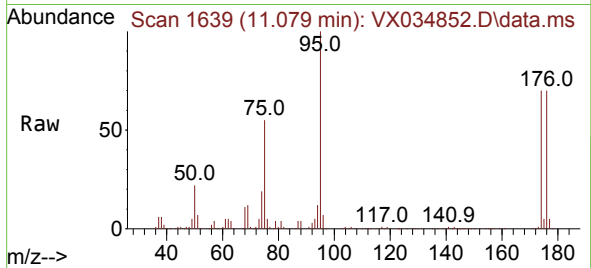
Tgt Ion: 75 Resp: 102795
 Ion Ratio Lower Upper
 75 100
 77 1.0 21.6 64.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.982 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX034852.D
 Acq: 30 Mar 2023 15:05

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-032323



Tgt Ion: 75 Resp: 102795
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.6 124.0#
 89 0.0 36.9 55.3#

