

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030823\
 Data File : VX034394.D
 Acq On : 08 Mar 2023 19:27
 Operator : JC/MD
 Sample : 01843-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP04-20230306

Quant Time: Mar 09 04:03:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:33:35 2023
 Response via : Initial Calibration

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

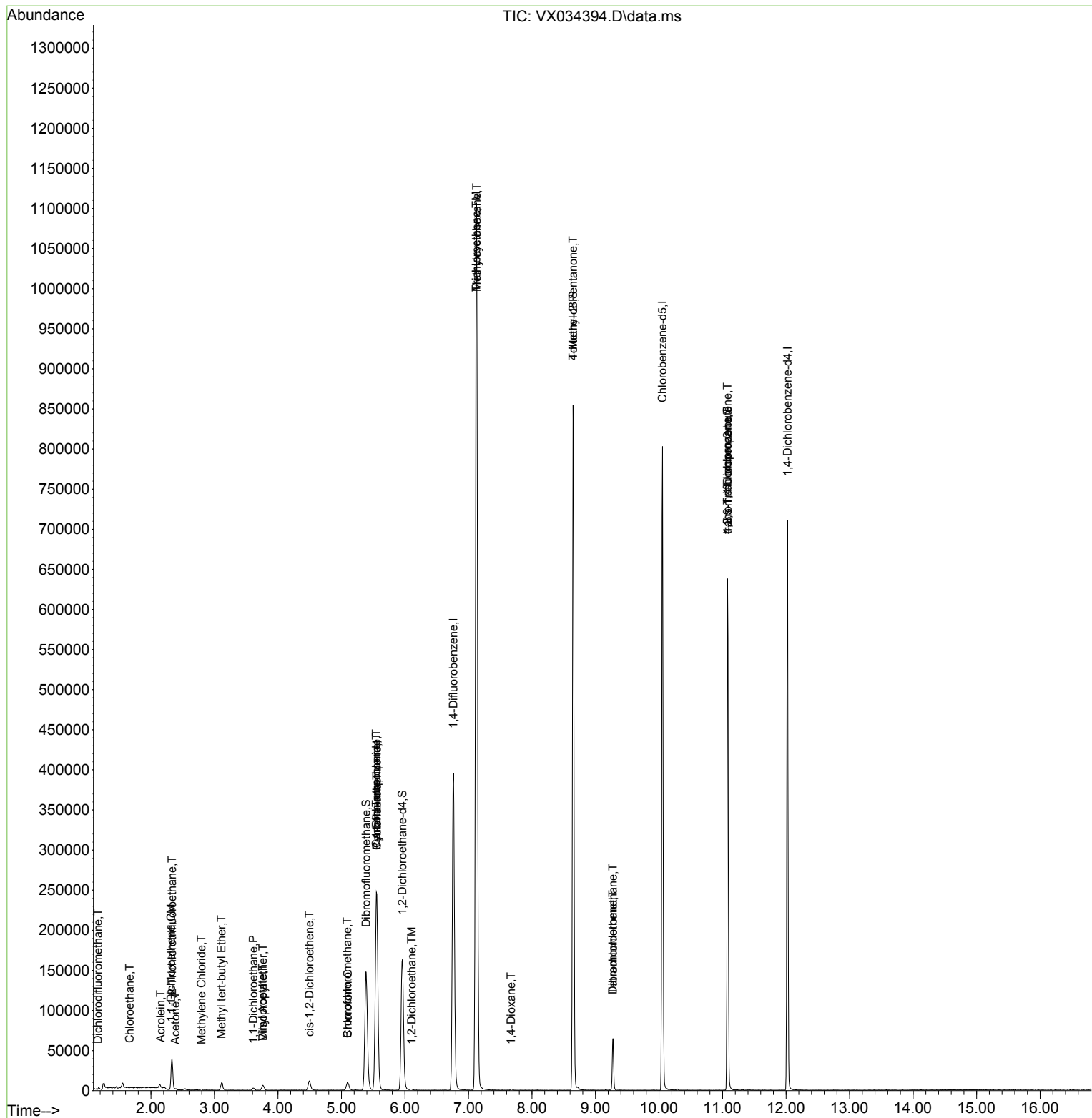
Internal Standards						
1) Pentafluorobenzene	5.556	168	243788	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	408726	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	357972	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	148613	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	155517	47.367	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.740%
35) Dibromofluoromethane	5.385	113	128707	48.364	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.720%
50) Toluene-d8	8.647	98	494341	51.738	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	103.480%
62) 4-Bromofluorobenzene	11.079	95	165582	45.307	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.620%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	654	0.310	ug/l	83
5) Bromomethane	1.611	94	115	Below Cal	#	75
6) Chloroethane	1.666	64	346	0.249	ug/l #	42
9) 1,1,2-Trichlorotrifluo...	2.331	101	13567	5.158	ug/l	97
12) 1,1-Dichloroethene	2.319	96	2577	0.977	ug/l	95
13) Acrolein	2.154	56	91	0.271	ug/l #	14
16) Acetone	2.386	43	1219	0.720	ug/l #	48
19) Methyl tert-butyl Ether	3.111	73	10229	1.099	ug/l	98
20) Methylene Chloride	2.794	84	652	0.214	ug/l #	76
22) Diisopropyl ether	3.763	45	7031	0.717	ug/l #	68
23) Vinyl Acetate	3.757	43	3691	0.470	ug/l #	72
24) 1,1-Dichloroethane	3.611	63	3301	0.613	ug/l	94
27) cis-1,2-Dichloroethene	4.495	96	7540	2.304	ug/l	91
28) Bromochloromethane	5.092	49	996	0.415	ug/l #	9
30) Chloroform	5.099	83	12011	2.324	ug/l	97
31) Cyclohexane	5.556	56	5314	1.084	ug/l #	22
36) 1,1-Dichloropropene	5.550	75	18546	4.712	ug/l #	48
38) Carbon Tetrachloride	5.550	117	23298	5.753	ug/l #	16
39) Methylcyclohexane	7.129	83	5107	1.008	ug/l #	1
42) 1,2-Dichloroethane	6.104	62	1244	0.303	ug/l	77
44) Trichloroethene	7.123	130	433153	144.721	ug/l	92
49) 1,4-Dioxane	7.671	88	1204	16.385	ug/l #	79
51) 4-Methyl-2-Pentanone	8.647	43	2551	0.597	ug/l #	1
60) Dibromochloromethane	9.275	129	11218	3.559	ug/l #	11
64) Tetrachloroethene	9.275	164	11769	4.658	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	83834	22.418	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	83834	57.591	ug/l #	8

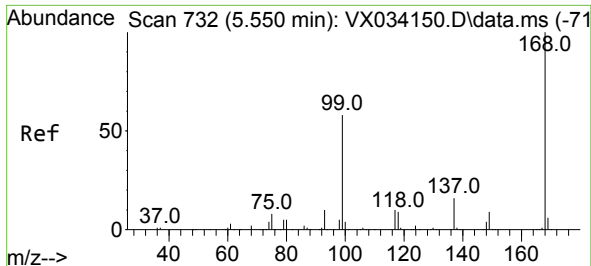
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030823\
Data File : VX034394.D
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Quant Time: Mar 09 04:03:07 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 17 12:33:35 2023
Response via : Initial Calibration

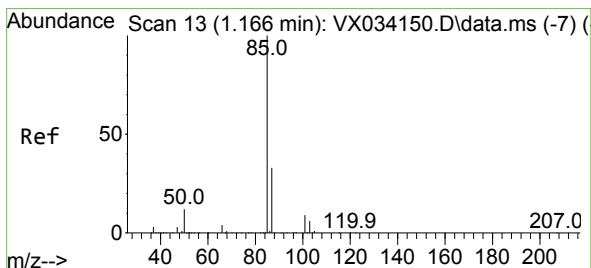
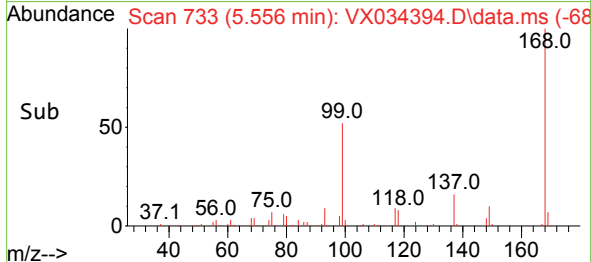
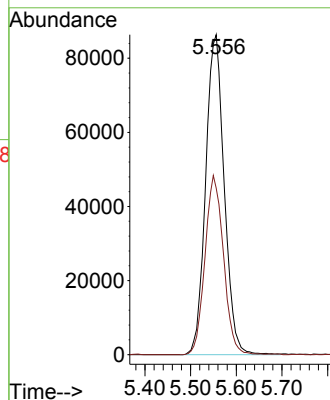
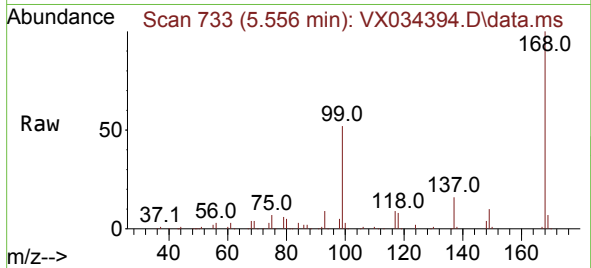




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034394.D
Acq: 08 Mar 2023 19:27

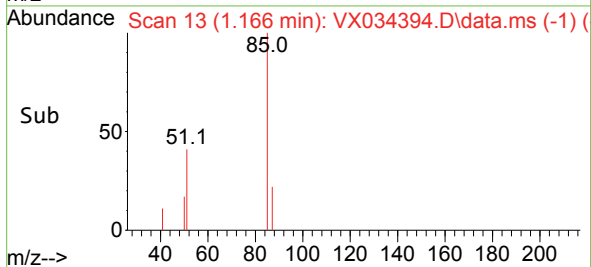
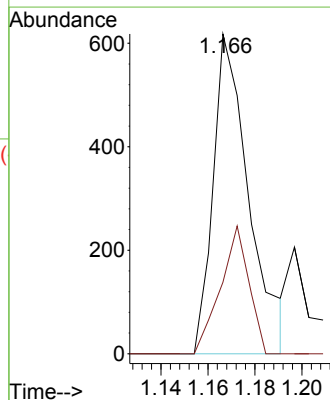
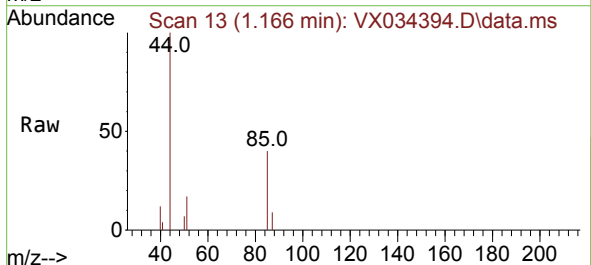
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20230306

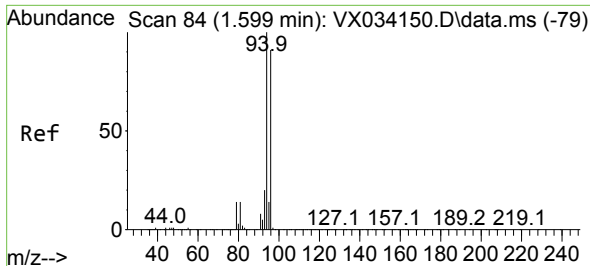
Tgt Ion:168 Resp: 243788
Ion Ratio Lower Upper
168 100
99 52.1 39.6 59.4



#2
Dichlorodifluoromethane
Concen: 0.310 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX034394.D
Acq: 08 Mar 2023 19:27

Tgt Ion: 85 Resp: 654
Ion Ratio Lower Upper
85 100
87 22.3 15.8 47.4

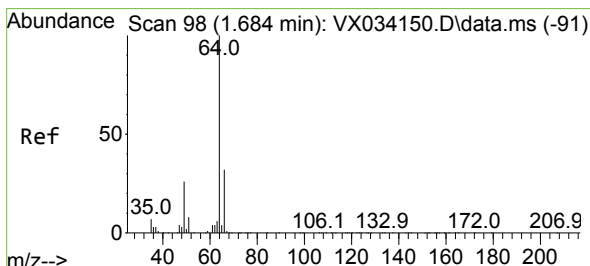
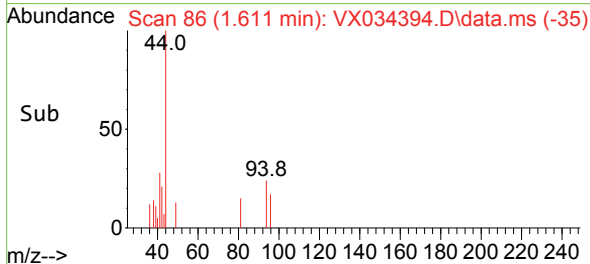
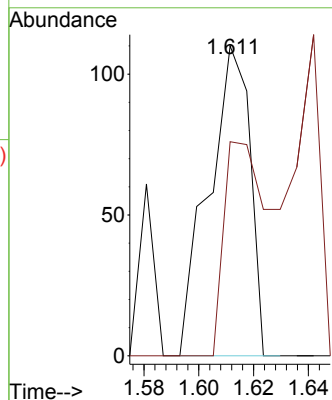
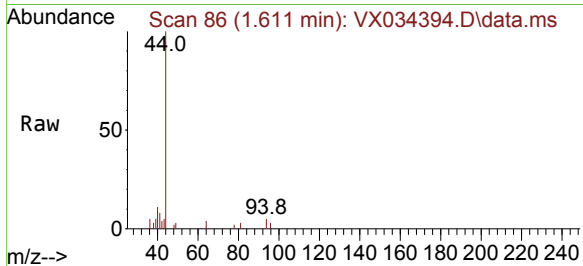




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX034394.D
Acq: 08 Mar 2023 19:27

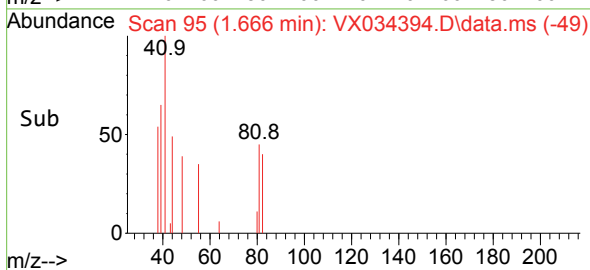
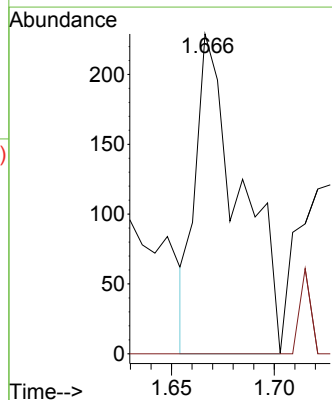
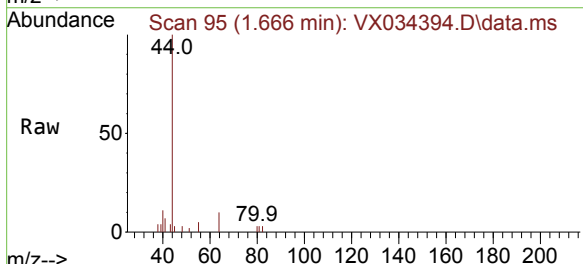
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20230306

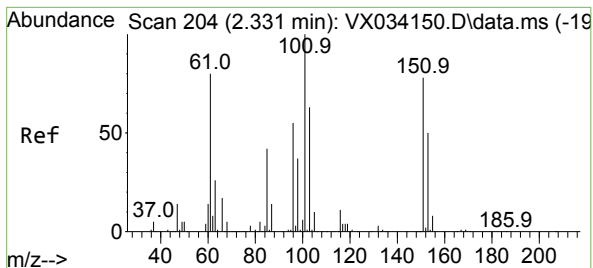
Tgt Ion: 94 Resp: 115
Ion Ratio Lower Upper
94 100
96 69.1 74.3 111.5#



#6
Chloroethane
Concen: 0.249 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.018 min
Lab File: VX034394.D
Acq: 08 Mar 2023 19:27

Tgt Ion: 64 Resp: 346
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.158 ug/l

RT: 2.331 min Scan# 204

Delta R.T. 0.000 min

Lab File: VX034394.D

Acq: 08 Mar 2023 19:27

Instrument :

MSVOA_X

ClientSampleId :

DUP04-20230306

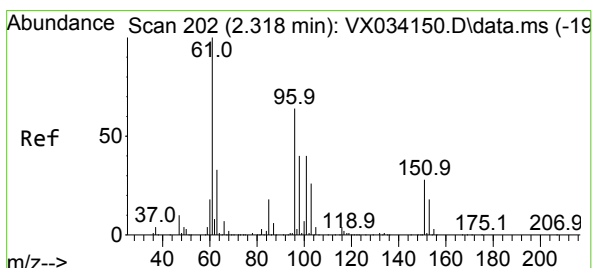
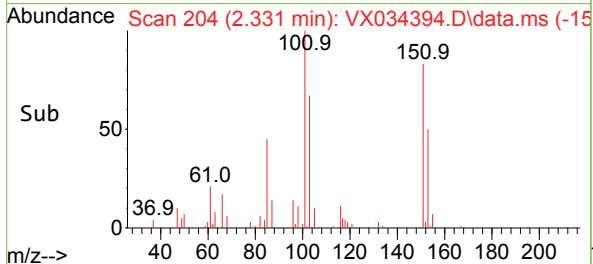
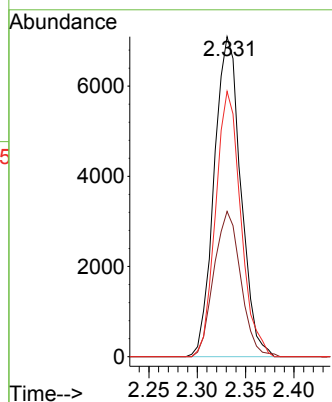
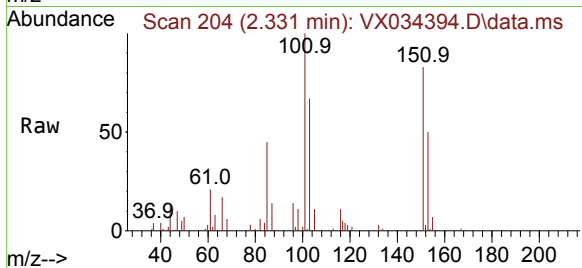
Tgt Ion:101 Resp: 13567

Ion Ratio Lower Upper

101 100

85 45.8 36.7 55.1

151 78.7 66.5 99.7



#12

1,1-Dichloroethene

Concen: 0.977 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.000 min

Lab File: VX034394.D

Acq: 08 Mar 2023 19:27

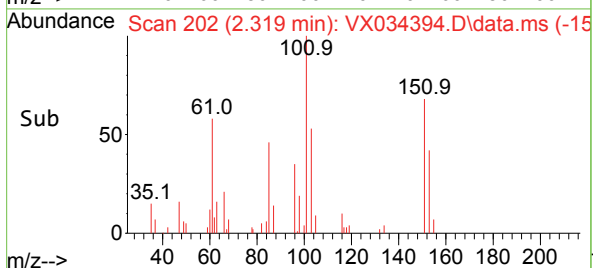
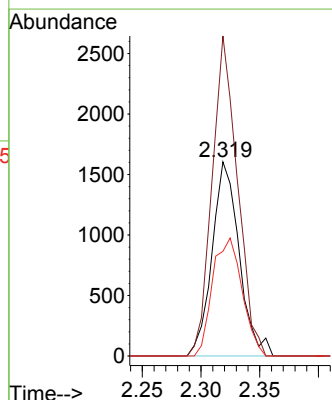
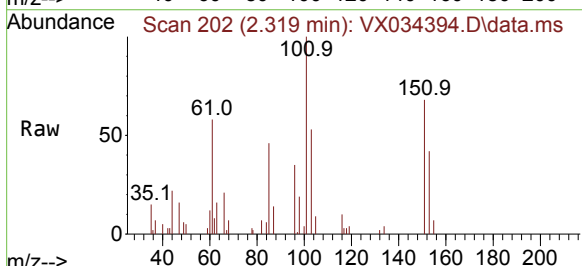
Tgt Ion: 96 Resp: 2577

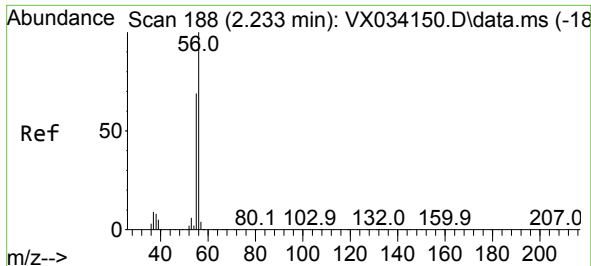
Ion Ratio Lower Upper

96 100

61 164.9 134.2 201.4

98 53.9 50.2 75.2

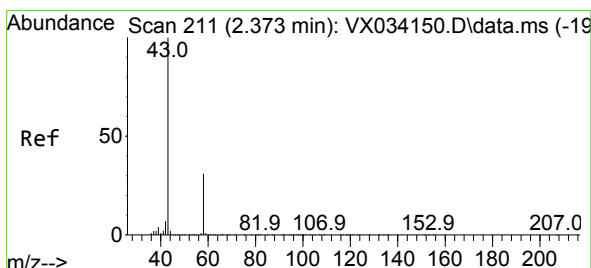
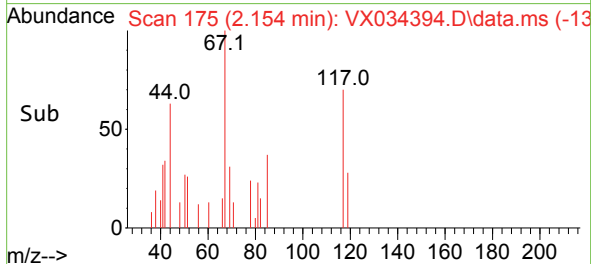
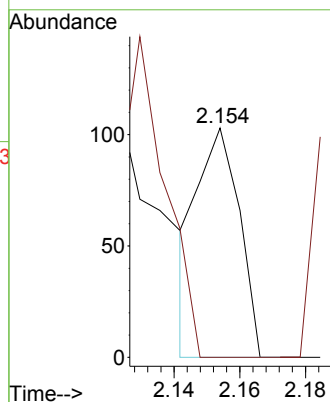
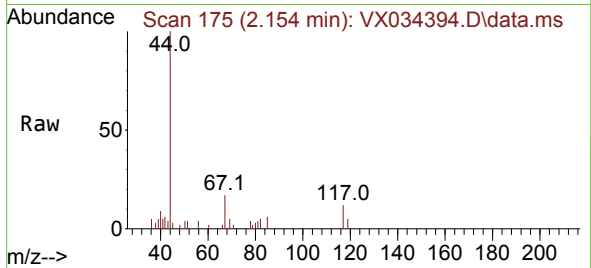




#13
Acrolein
Concen: 0.271 ug/l
RT: 2.154 min Scan# 11
Delta R.T. -0.079 min
Lab File: VX034394.D
Acq: 08 Mar 2023 19:27

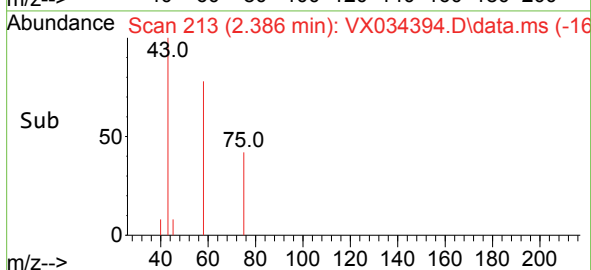
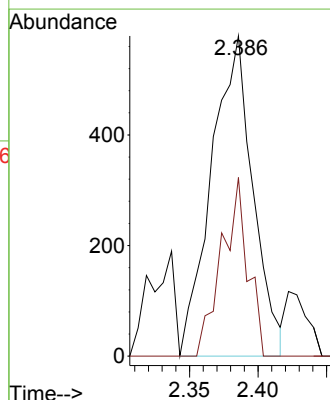
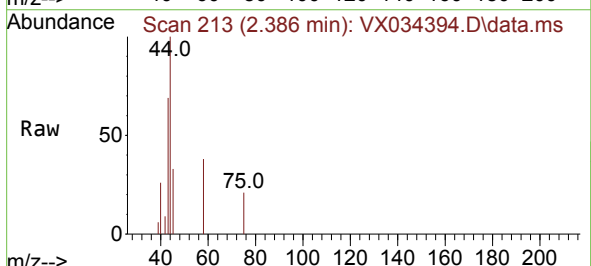
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ClientSampleId :
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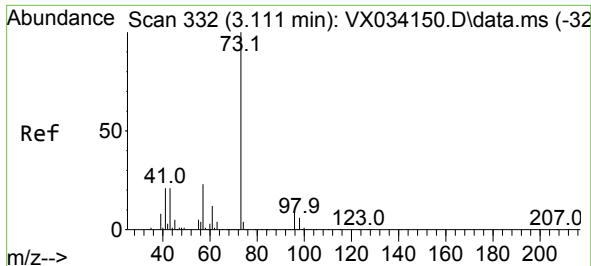
Tgt Ion: 56 Resp: 91
Ion Ratio Lower Upper
56 100
55 0.0 56.3 84.5#



#16
Acetone
Concen: 0.720 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.012 min
Lab File: VX034394.D
Acq: 08 Mar 2023 19:27

Tgt Ion: 43 Resp: 1219
Ion Ratio Lower Upper
43 100
58 55.8 22.6 33.8#





#19

Methyl tert-butyl Ether

Concen: 1.099 ug/l

RT: 3.111 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX034394.D

Acq: 08 Mar 2023 19:27

Instrument :

MSVOA_X

ClientSampleId :

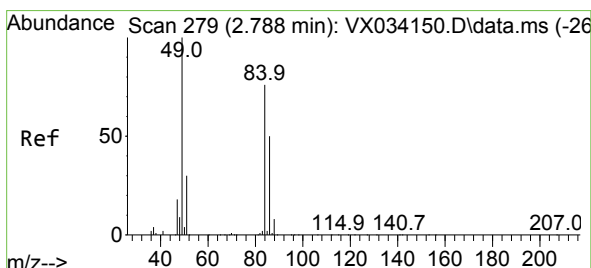
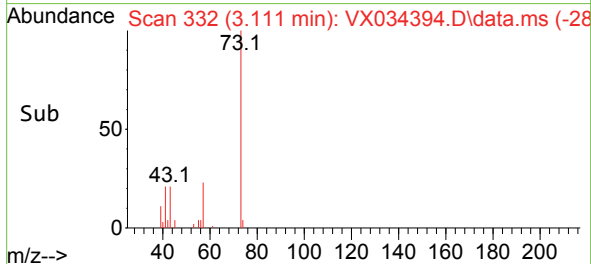
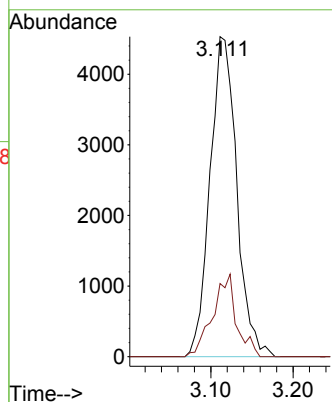
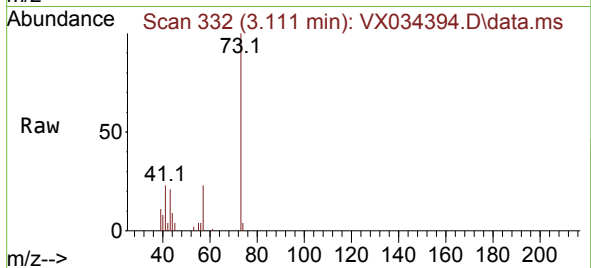
DUP04-20230306

Tgt Ion: 73 Resp: 10229

Ion Ratio Lower Upper

73 100

57 22.8 17.4 26.0



#20

Methylene Chloride

Concen: 0.214 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX034394.D

Acq: 08 Mar 2023 19:27

Tgt Ion: 84 Resp: 652

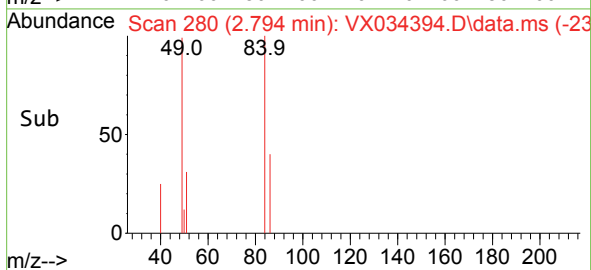
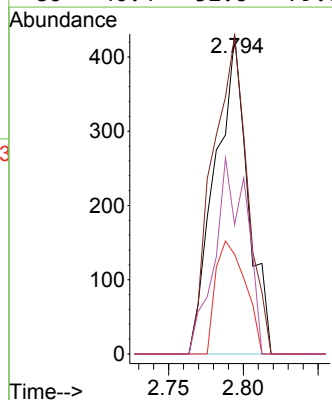
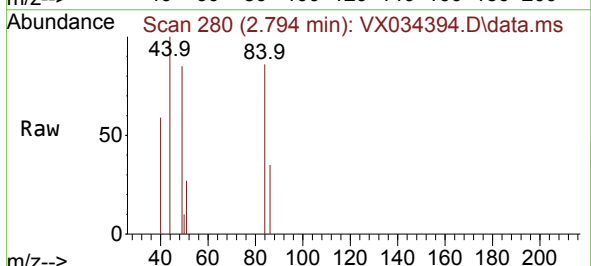
Ion Ratio Lower Upper

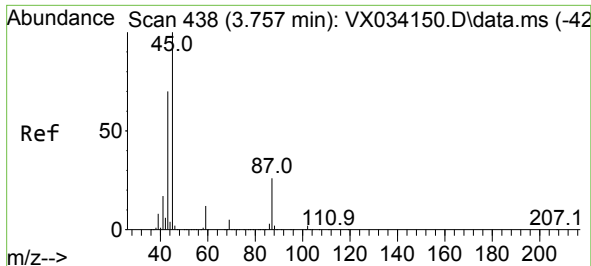
84 100

49 99.3 101.1 151.7#

51 31.1 31.0 46.6

86 40.4 52.6 79.0#

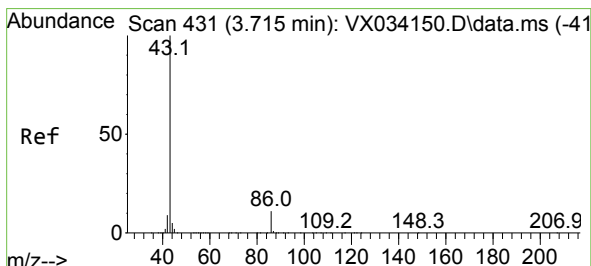
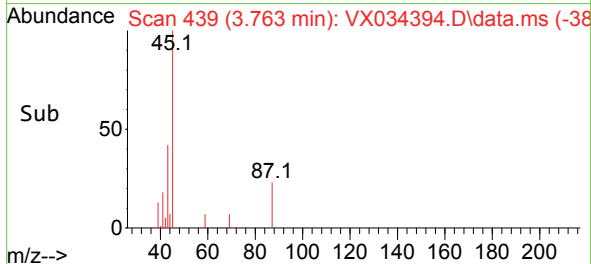
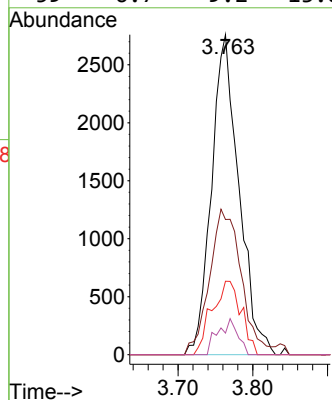
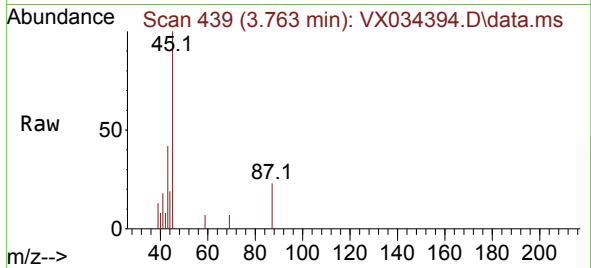




#22
Diisopropyl ether
Concen: 0.717 ug/l
RT: 3.763 min Scan# 41
Delta R.T. 0.006 min
Lab File: VX034394.D
Acq: 08 Mar 2023 19:27

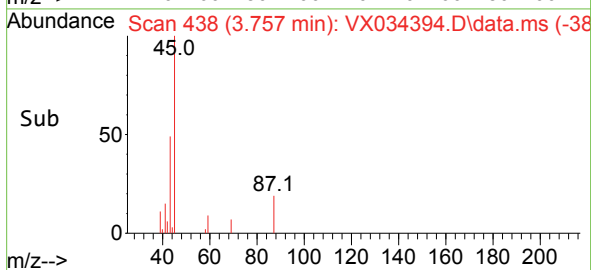
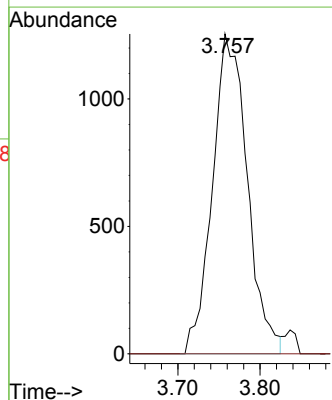
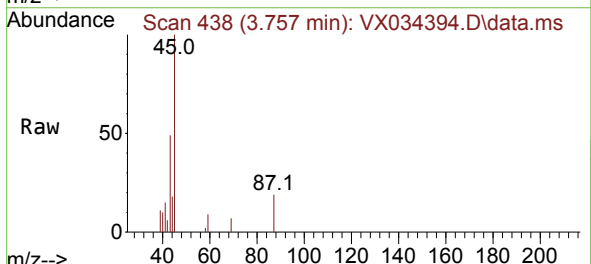
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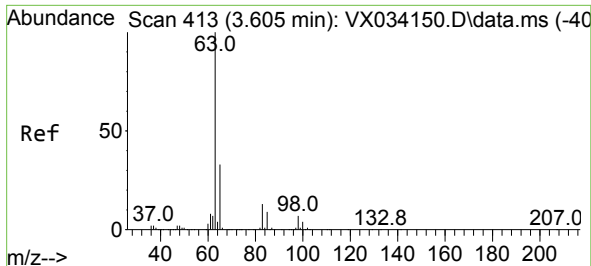
Tgt Ion: 45	Resp: 7031
Ion Ratio	Lower Upper
45 100	
43 42.2	64.6 97.0#
87 22.9	21.9 32.9
59 6.7	9.2 13.8#



#23
Vinyl Acetate
Concen: 0.470 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.043 min
Lab File: VX034394.D
Acq: 08 Mar 2023 19:27

Tgt Ion: 43	Resp: 3691
Ion Ratio	Lower Upper
43 100	
86 0.0	8.4 12.6#

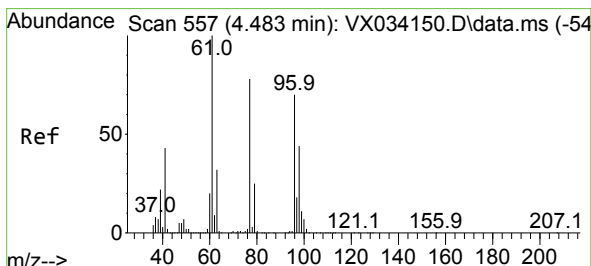
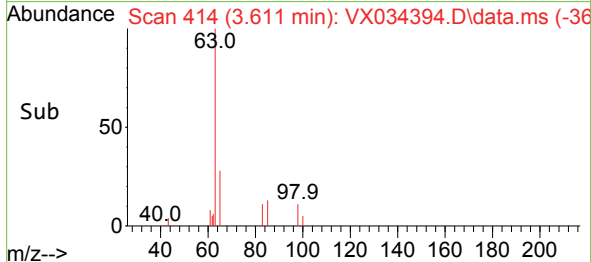
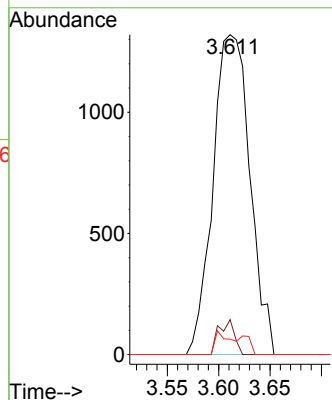
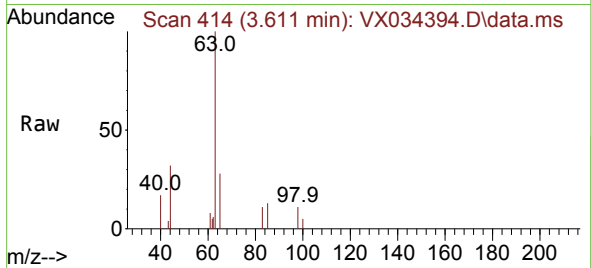




#24
1,1-Dichloroethane
Concen: 0.613 ug/l
RT: 3.611 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX034394.D
Acq: 08 Mar 2023 19:27

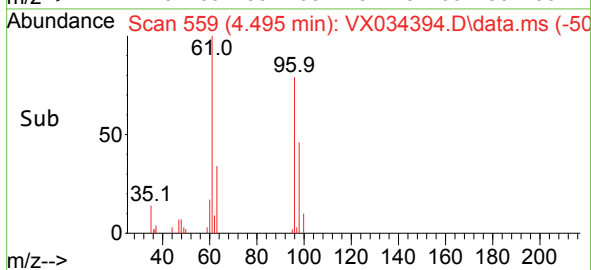
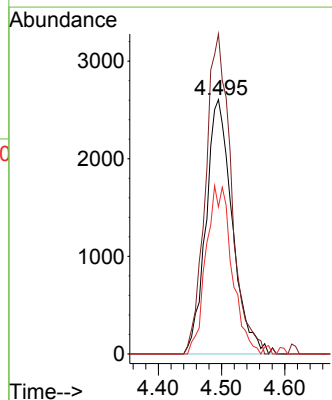
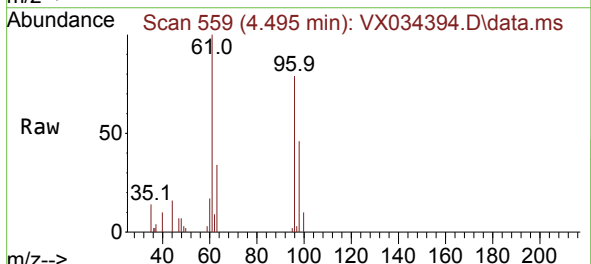
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20230306

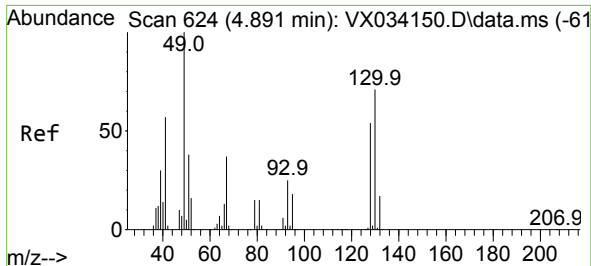
Tgt Ion: 63 Resp: 3301
Ion Ratio Lower Upper
63 100
98 10.9 3.8 11.2
100 4.8 2.4 7.2



#27
cis-1,2-Dichloroethene
Concen: 2.304 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.012 min
Lab File: VX034394.D
Acq: 08 Mar 2023 19:27

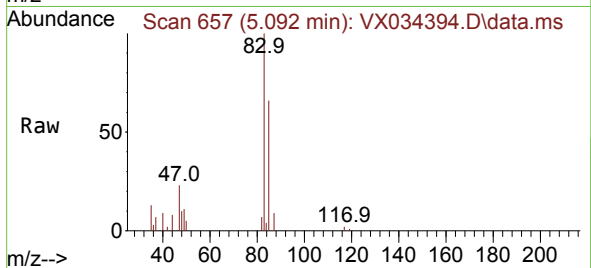
Tgt Ion: 96 Resp: 7540
Ion Ratio Lower Upper
96 100
61 122.7 0.0 277.6
98 64.9 0.0 128.0



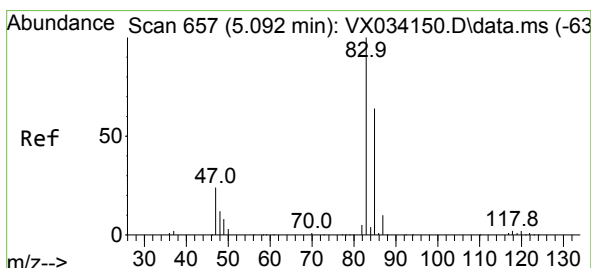
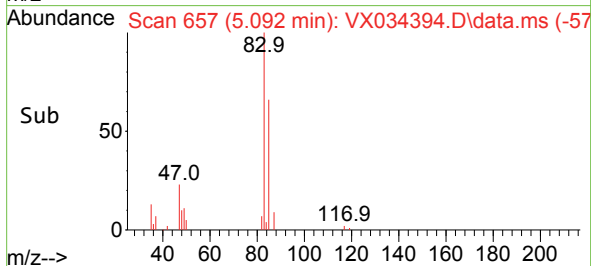
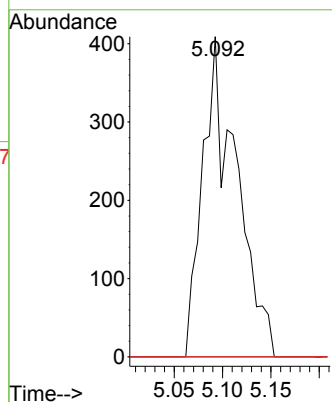


#28
Bromochloromethane
Concen: 0.415 ug/l
RT: 5.092 min Scan# 61
Delta R.T. 0.201 min
Lab File: VX034394.D
Acq: 08 Mar 2023 19:27

Instrument :
MSVOA_X
ClientSampleId :
DUP04-20230306

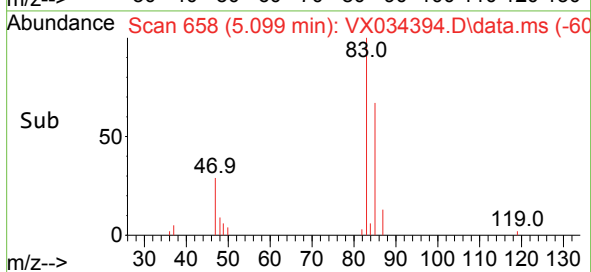
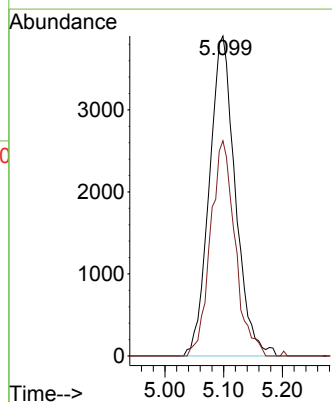
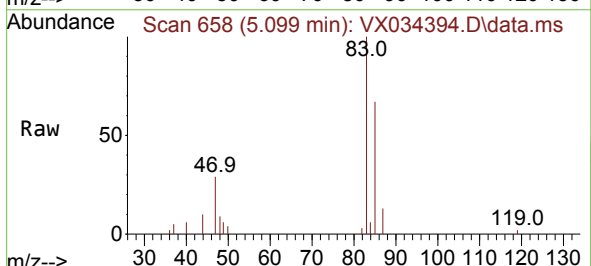


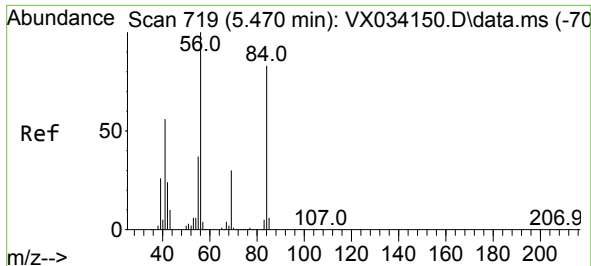
Tgt Ion: 49 Resp: 996
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.6
130 0.0 68.5 102.7#



#30
Chloroform
Concen: 2.324 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.006 min
Lab File: VX034394.D
Acq: 08 Mar 2023 19:27

Tgt Ion: 83 Resp: 12011
Ion Ratio Lower Upper
83 100
85 67.2 52.1 78.1

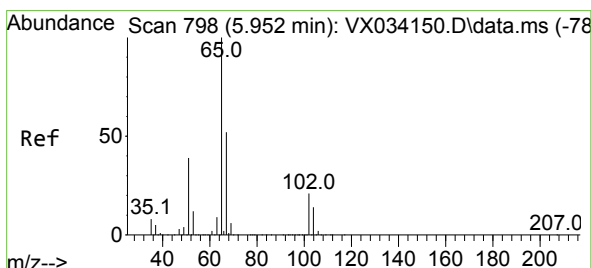
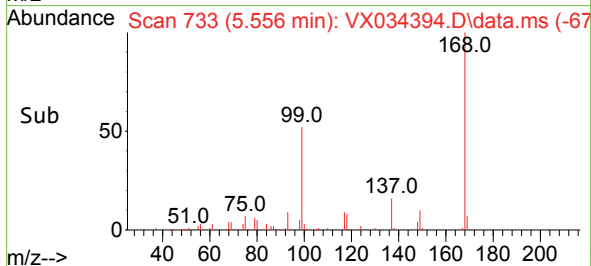
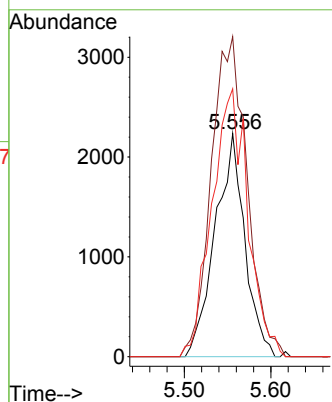
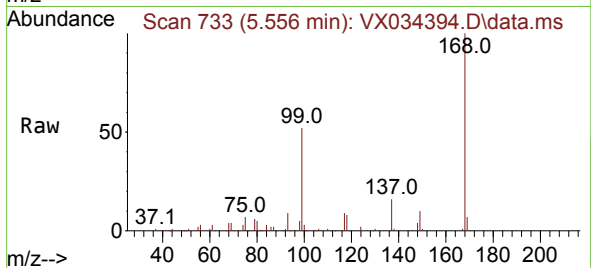




#31
Cyclohexane
Concen: 1.084 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX034394.D
Acq: 08 Mar 2023 19:27

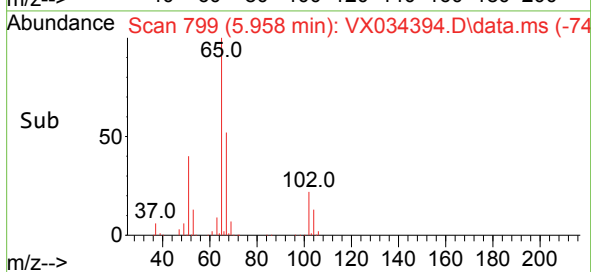
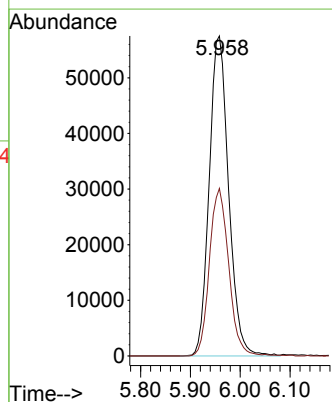
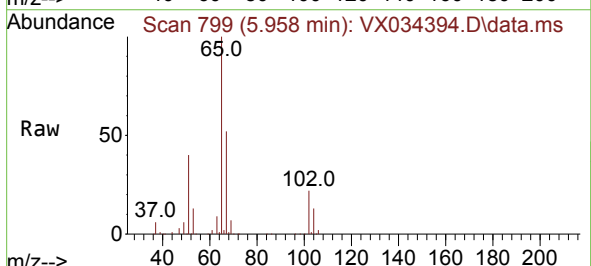
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20230306

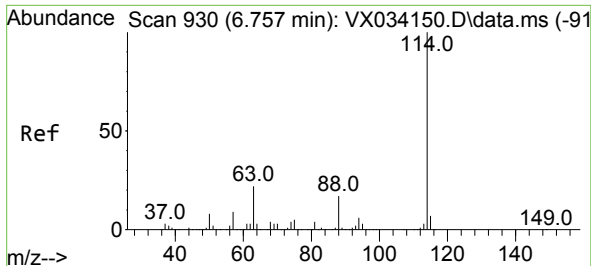
Tgt Ion: 56 Resp: 5314
Ion Ratio Lower Upper
56 100
69 143.4 24.6 37.0#
84 120.0 71.0 106.6#



#33
1,2-Dichloroethane-d4
Concen: 47.367 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX034394.D
Acq: 08 Mar 2023 19:27

Tgt Ion: 65 Resp: 155517
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.8

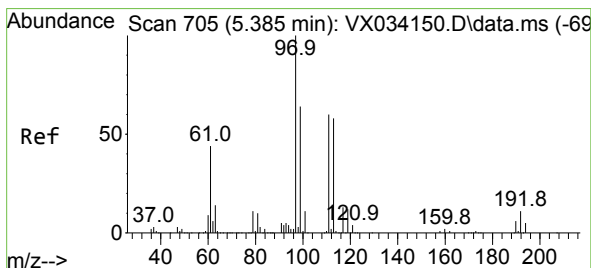
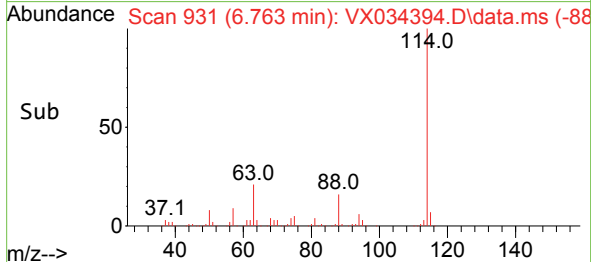
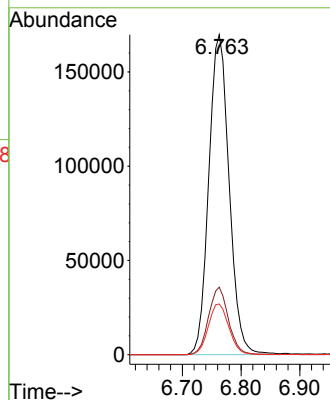
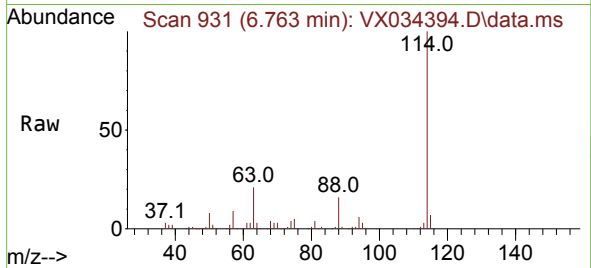




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX034394.D
Acq: 08 Mar 2023 19:27

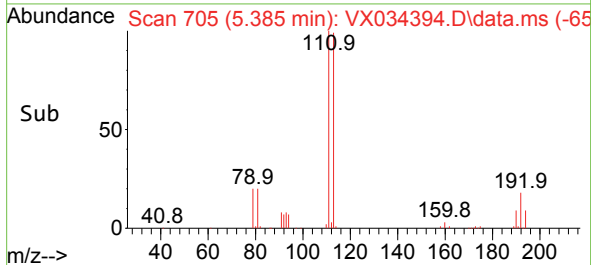
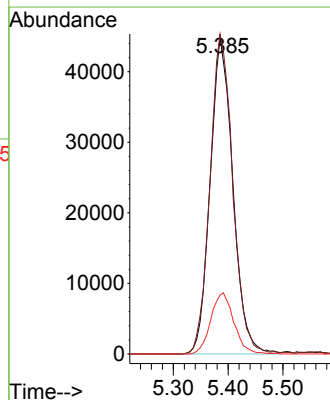
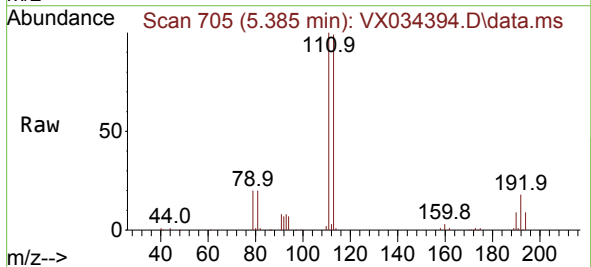
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20230306

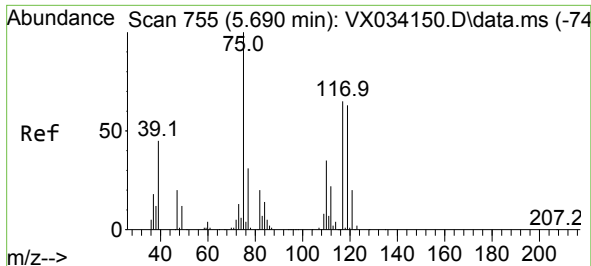
Tgt Ion:114 Resp: 408726
Ion Ratio Lower Upper
114 100
63 21.1 0.0 37.4
88 15.8 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.364 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX034394.D
Acq: 08 Mar 2023 19:27

Tgt Ion:113 Resp: 128707
Ion Ratio Lower Upper
113 100
111 102.0 83.0 124.6
192 19.6 19.0 28.4

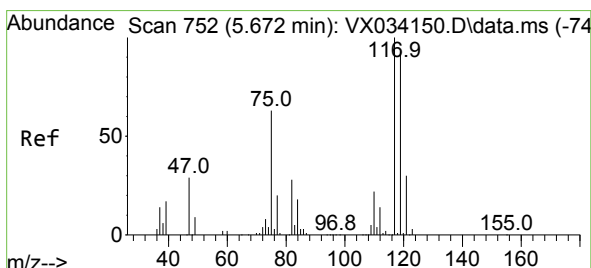
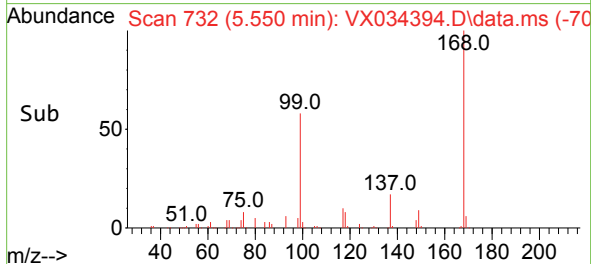
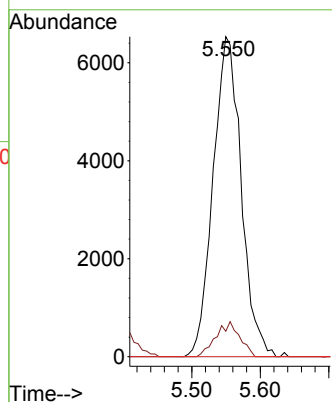
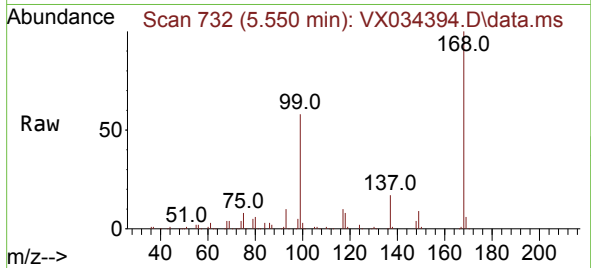




#36
1,1-Dichloropropene
Concen: 4.712 ug/l
RT: 5.550 min Scan# 712
Delta R.T. -0.140 min
Lab File: VX034394.D
Acq: 08 Mar 2023 19:27

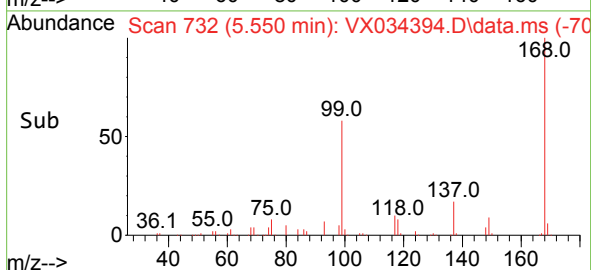
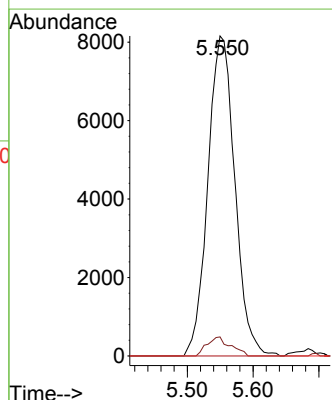
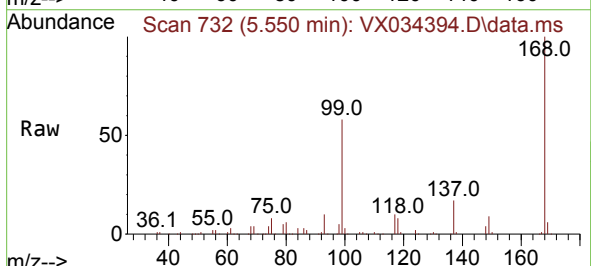
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20230306

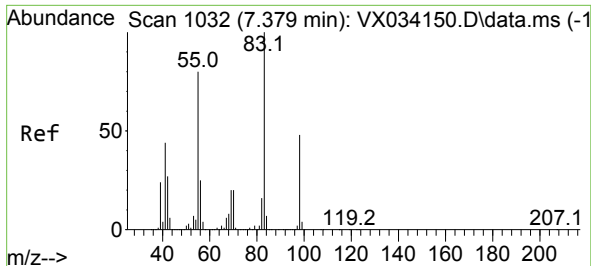
Tgt Ion: 75 Resp: 18546
Ion Ratio Lower Upper
75 100
110 9.3 18.8 56.4#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.753 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX034394.D
Acq: 08 Mar 2023 19:27

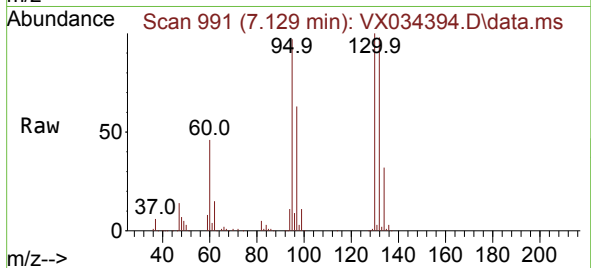
Tgt Ion: 117 Resp: 23298
Ion Ratio Lower Upper
117 100
119 6.0 78.0 117.0#
121 0.0 24.4 36.6#



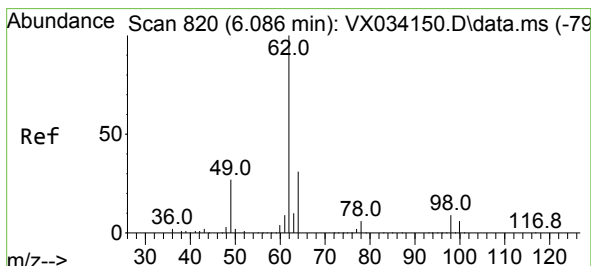
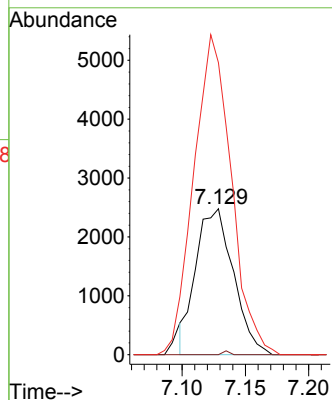
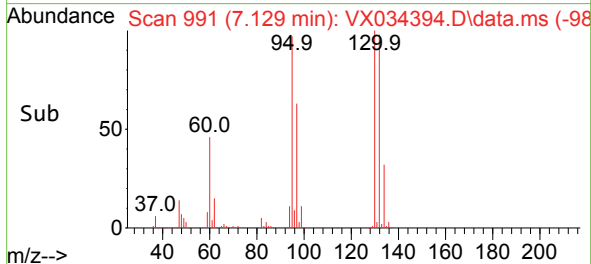


#39
Methylcyclohexane
Concen: 1.008 ug/l
RT: 7.129 min Scan# 91
Delta R.T. -0.250 min
Lab File: VX034394.D
Acq: 08 Mar 2023 19:27

Instrument :
MSVOA_X
ClientSampleId :
DUP04-20230306

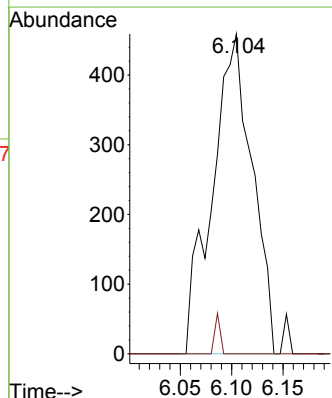
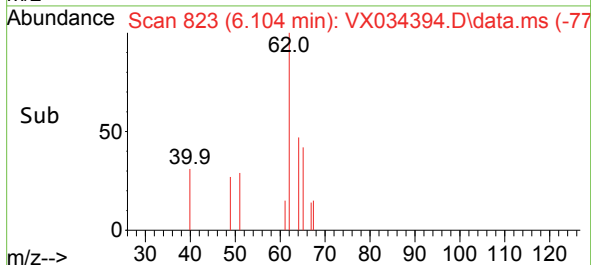
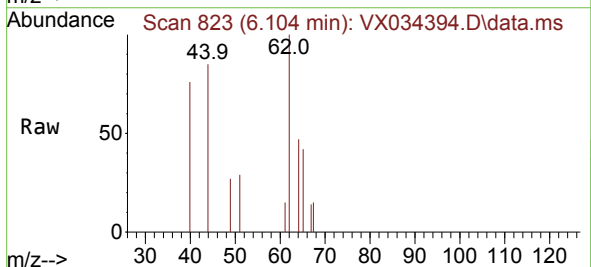


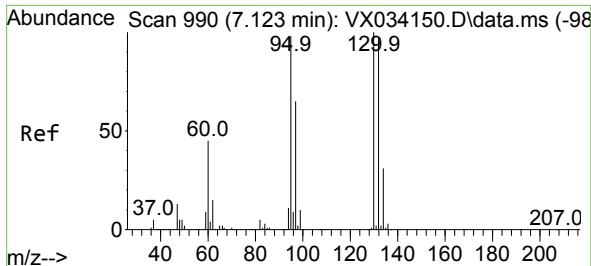
Tgt Ion: 83 Resp: 5107
Ion Ratio Lower Upper
83 100
55 0.0 61.8 92.6#
98 200.1 39.3 58.9#



#42
1,2-Dichloroethane
Concen: 0.303 ug/l
RT: 6.104 min Scan# 823
Delta R.T. 0.018 min
Lab File: VX034394.D
Acq: 08 Mar 2023 19:27

Tgt Ion: 62 Resp: 1244
Ion Ratio Lower Upper
62 100
98 1.7 0.0 20.2

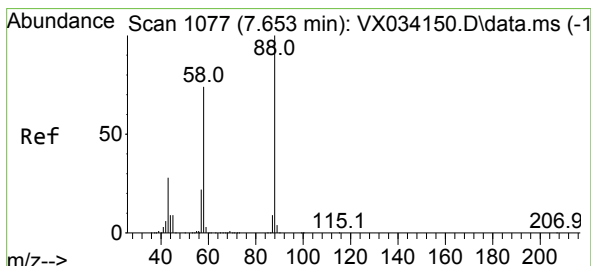
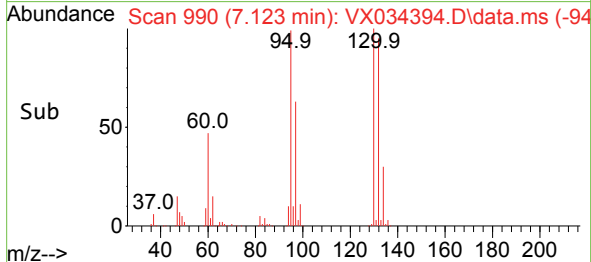
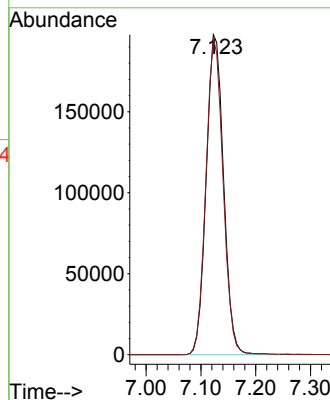
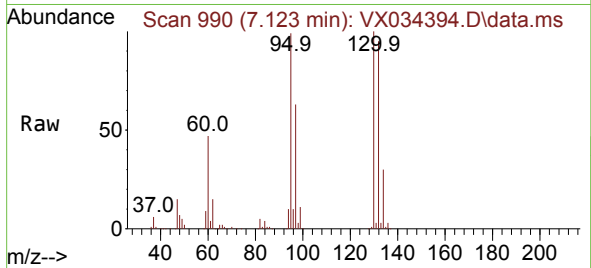




#44
Trichloroethene
Concen: 144.721 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX034394.D
Acq: 08 Mar 2023 19:27

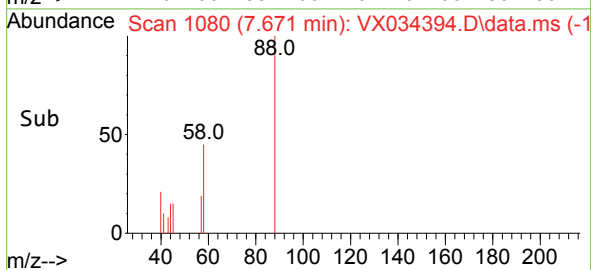
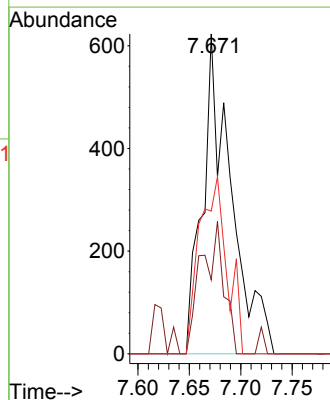
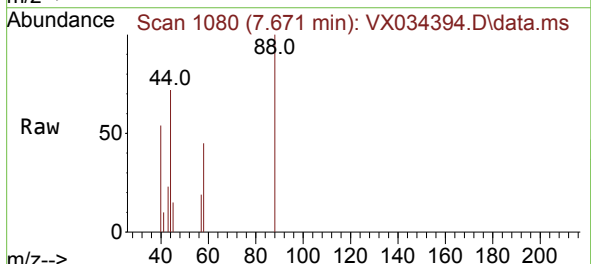
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20230306

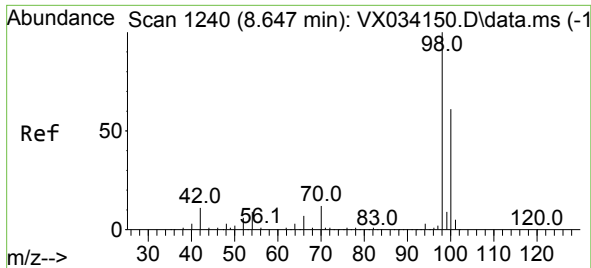
Tgt Ion:130 Resp: 433153
Ion Ratio Lower Upper
130 100
95 98.6 0.0 182.6



#49
1,4-Dioxane
Concen: 16.385 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.018 min
Lab File: VX034394.D
Acq: 08 Mar 2023 19:27

Tgt Ion: 88 Resp: 1204
Ion Ratio Lower Upper
88 100
43 18.3 0.0 0.0#
58 53.4 56.5 84.7#

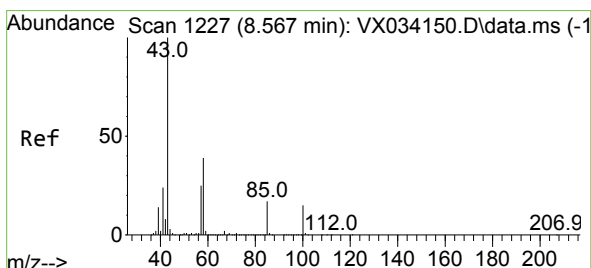
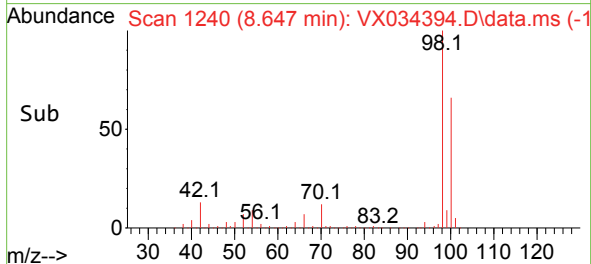
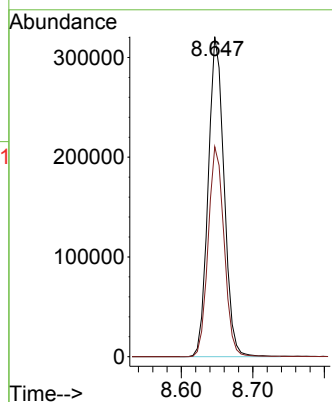
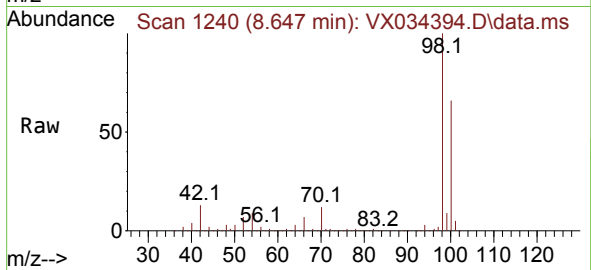




#50
Toluene-d8
Concen: 51.738 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034394.D
Acq: 08 Mar 2023 19:27

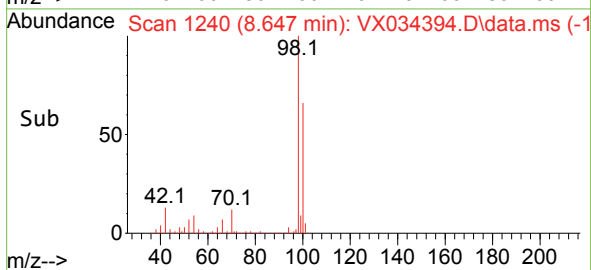
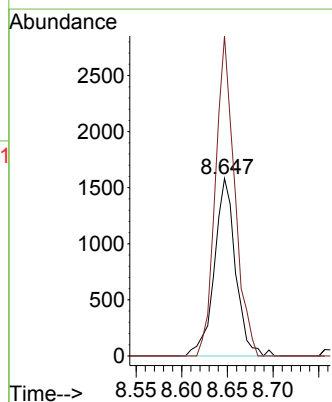
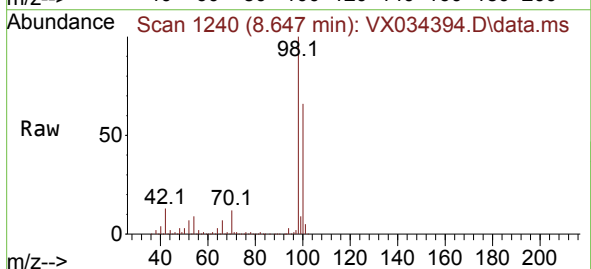
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20230306

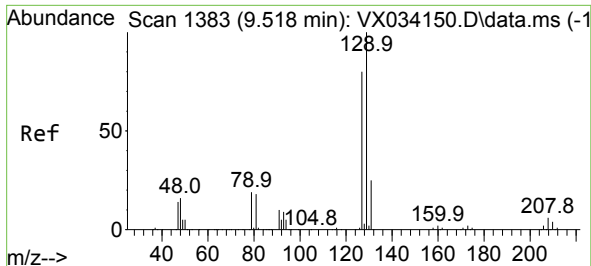
Tgt Ion: 98 Resp: 494341
Ion Ratio Lower Upper
98 100
100 65.9 53.6 80.4



#51
4-Methyl-2-Pentanone
Concen: 0.597 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.079 min
Lab File: VX034394.D
Acq: 08 Mar 2023 19:27

Tgt Ion: 43 Resp: 2551
Ion Ratio Lower Upper
43 100
58 163.7 31.2 46.8#

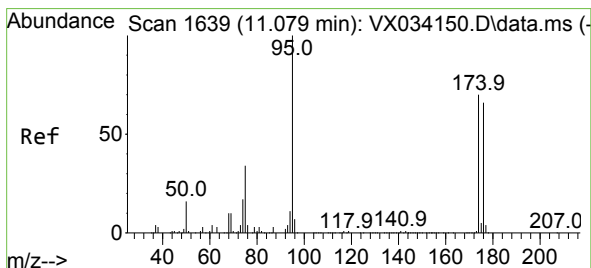
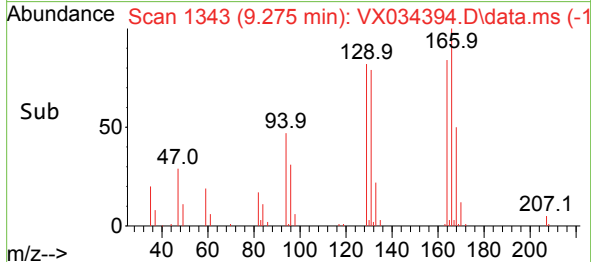
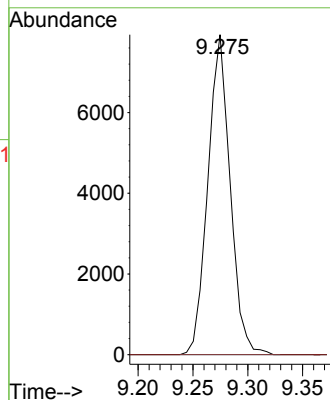
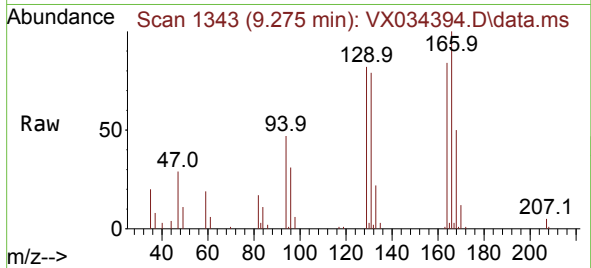




#60
Dibromochloromethane
Concen: 3.559 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX034394.D
Acq: 08 Mar 2023 19:27

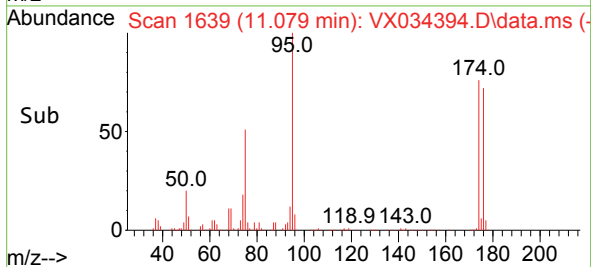
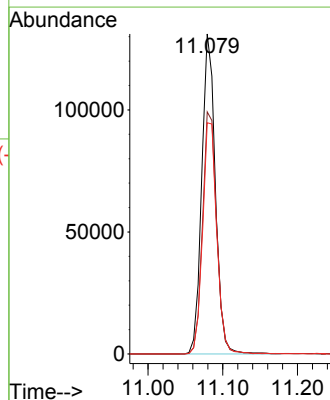
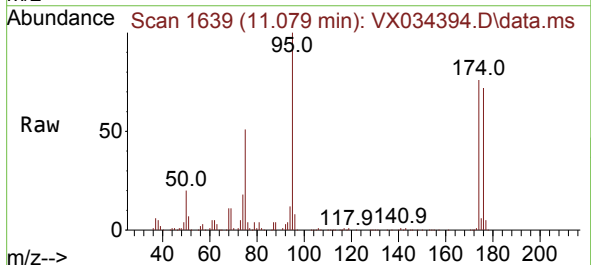
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20230306

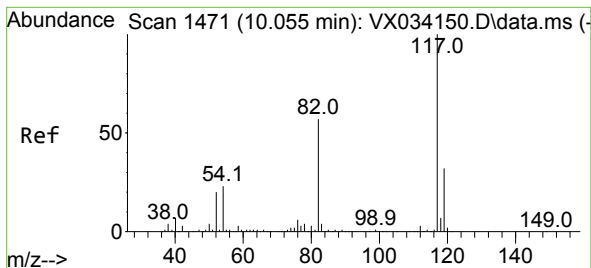
Tgt Ion:129 Resp: 11218
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.3#



#62
4-Bromofluorobenzene
Concen: 45.307 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034394.D
Acq: 08 Mar 2023 19:27

Tgt Ion: 95 Resp: 165582
Ion Ratio Lower Upper
95 100
174 78.5 0.0 184.4
176 75.6 0.0 178.8

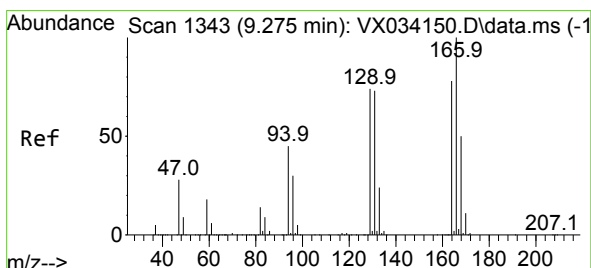
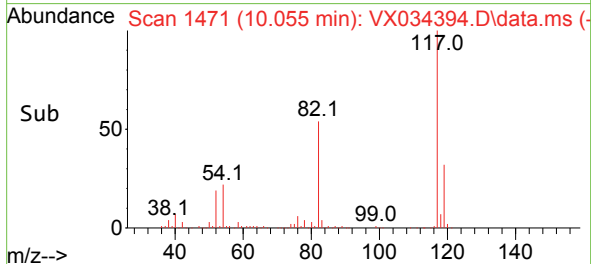
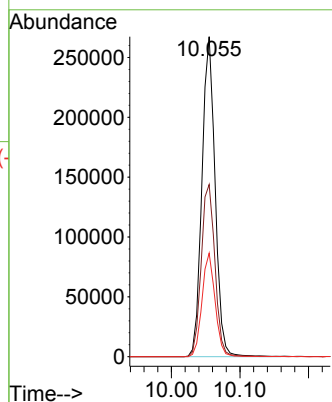
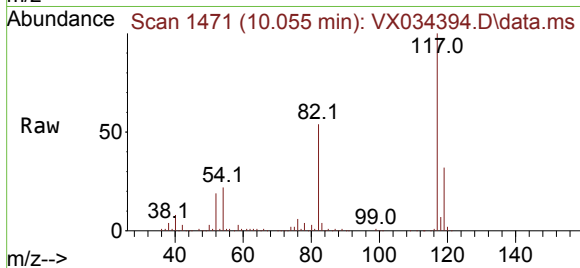




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034394.D
Acq: 08 Mar 2023 19:27

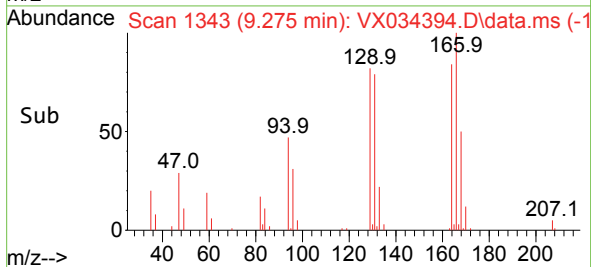
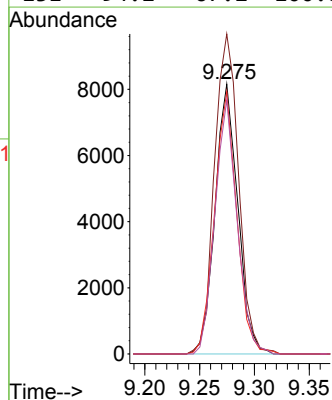
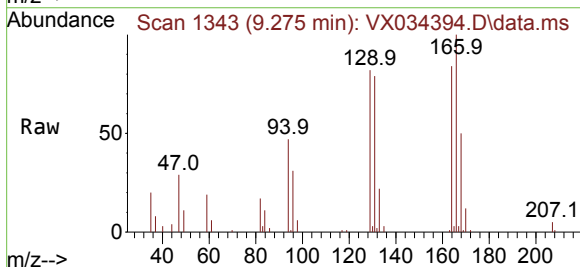
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20230306

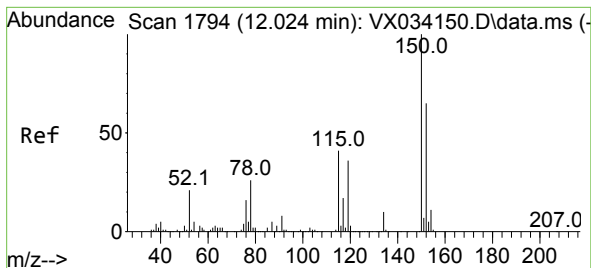
Tgt Ion:117 Resp: 357972
Ion Ratio Lower Upper
117 100
82 53.8 40.6 60.8
119 32.4 25.6 38.4



#64
Tetrachloroethene
Concen: 4.658 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX034394.D
Acq: 08 Mar 2023 19:27

Tgt Ion:164 Resp: 11769
Ion Ratio Lower Upper
164 100
166 118.6 100.2 150.2
129 97.2 69.2 103.8
131 94.2 67.2 100.8

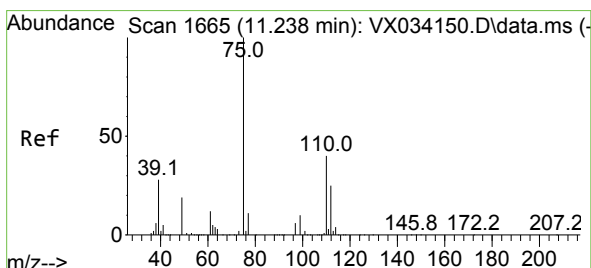
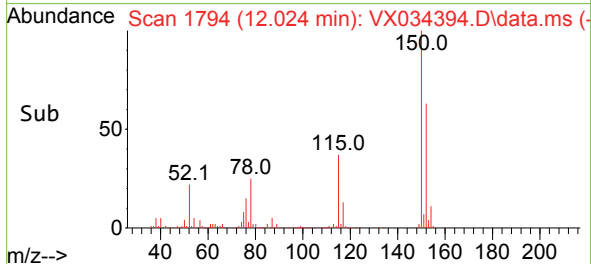
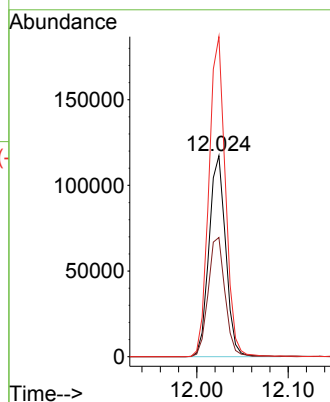
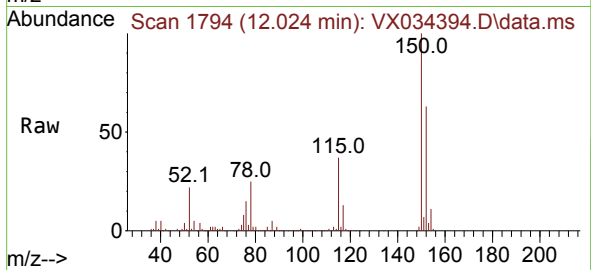




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX034394.D
 Acq: 08 Mar 2023 19:27

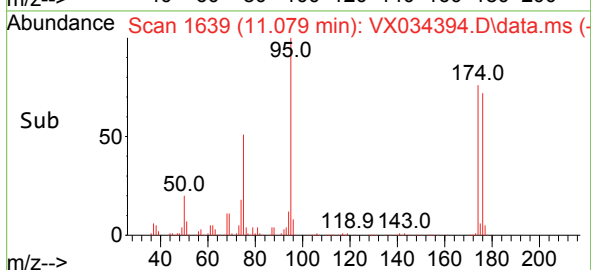
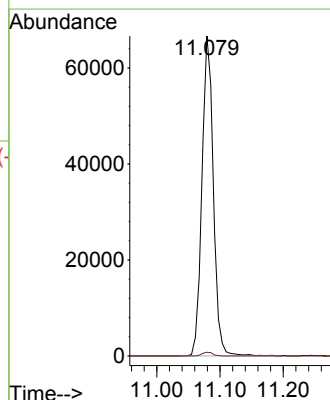
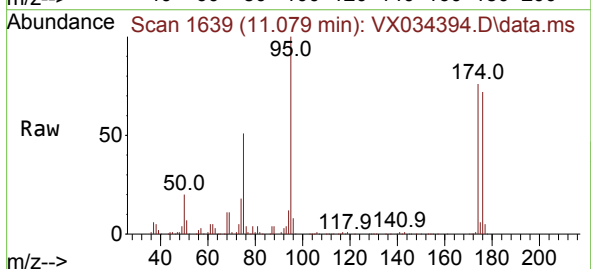
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP04-20230306

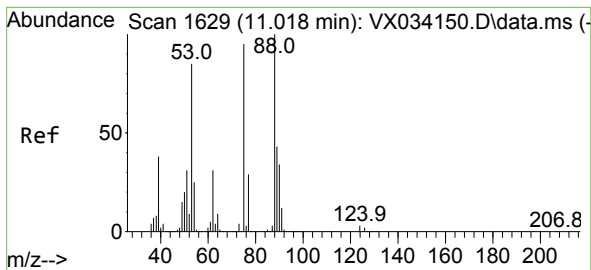
Tgt Ion:152 Resp: 148613
 Ion Ratio Lower Upper
 152 100
 115 60.4 38.7 116.1
 150 157.9 0.0 348.2



#76
 1,2,3-Trichloropropane
 Concen: 22.418 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX034394.D
 Acq: 08 Mar 2023 19:27

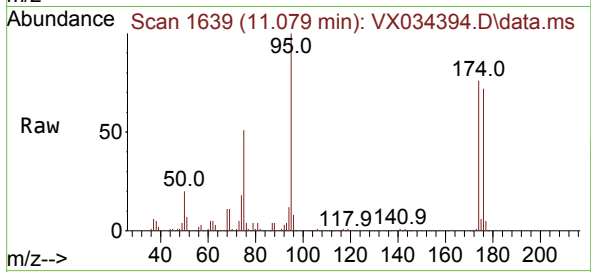
Tgt Ion: 75 Resp: 83834
 Ion Ratio Lower Upper
 75 100
 77 1.1 21.8 65.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.591 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX034394.D
 Acq: 08 Mar 2023 19:27

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP04-20230306



Tgt Ion: 75 Resp: 83834
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.0 124.6#
 89 0.0 37.7 56.5#

