

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112023\
 Data File : VX038956.D
 Acq On : 20 Nov 2023 14:19
 Operator : JC/MD
 Sample : 05404-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP06-20231109

Quant Time: Nov 21 00:20:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

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

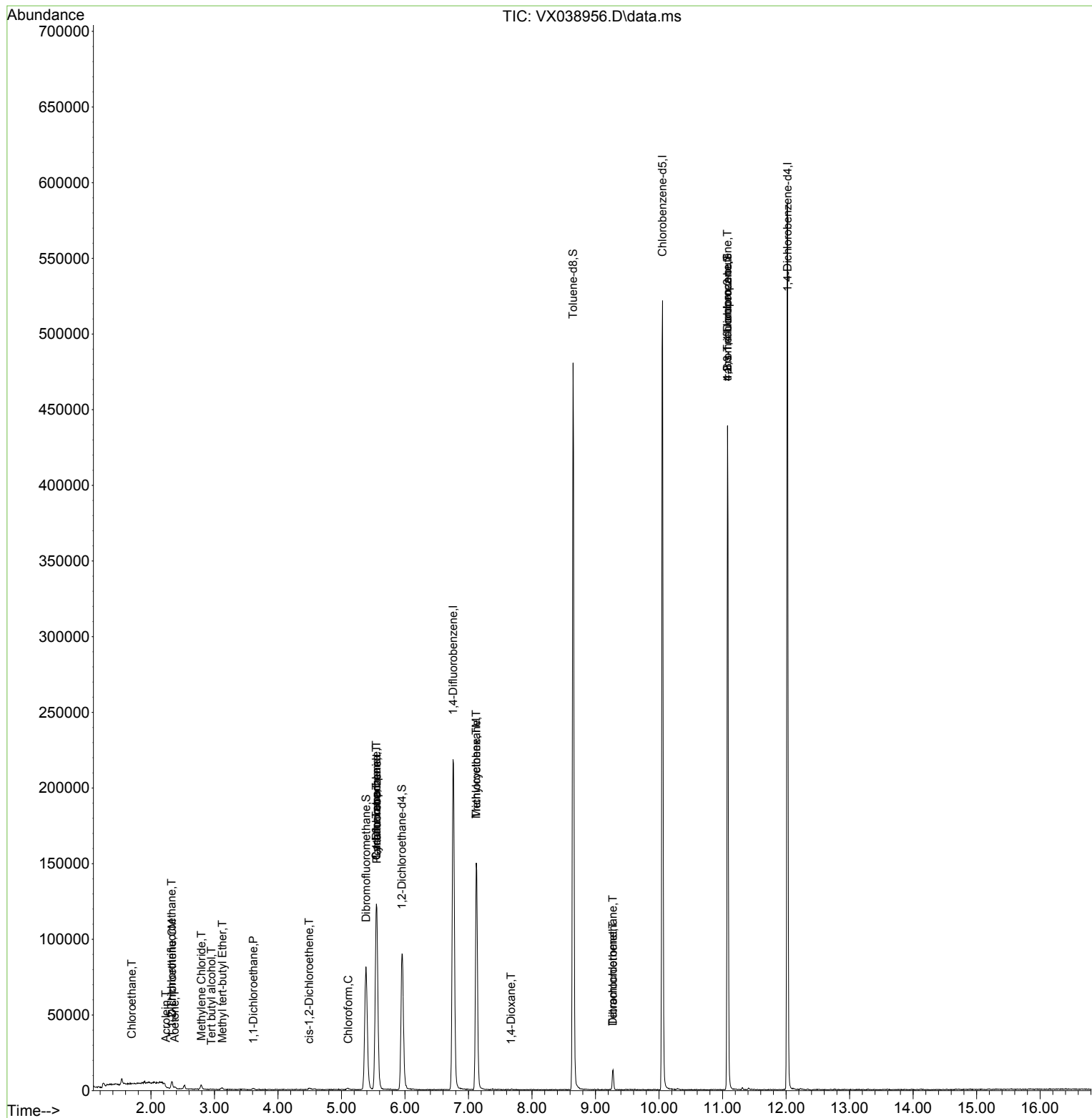
Internal Standards						
1) Pentafluorobenzene	5.556	168	110200	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	223095	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	234117	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	114923	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	87506	49.280	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.560%
35) Dibromofluoromethane	5.385	113	70975	44.050	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.100%
50) Toluene-d8	8.647	98	285034	46.236	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.480%
62) 4-Bromofluorobenzene	11.079	95	124096	50.287	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.580%
Target Compounds						
					Qvalue	
6) Chloroethane	1.697	64	317	0.344	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.325	101	1559	1.146	ug/l	94
11) Tert butyl alcohol	2.953	59	167	0.338	ug/l #	10
12) 1,1-Dichloroethene	2.331	96	390	0.284	ug/l #	66
13) Acrolein	2.233	56	183	0.700	ug/l #	14
16) Acetone	2.374	43	1494	1.580	ug/l #	83
19) Methyl tert-butyl Ether	3.123	73	1207	0.250	ug/l	96
20) Methylene Chloride	2.794	84	1404	0.824	ug/l	87
24) 1,1-Dichloroethane	3.611	63	1185	0.420	ug/l #	83
27) cis-1,2-Dichloroethene	4.489	96	604	0.342	ug/l #	61
30) Chloroform	5.105	83	1440	0.523	ug/l	93
31) Cyclohexane	5.550	56	3032	1.196	ug/l #	17
36) 1,1-Dichloropropene	5.550	75	10448	4.524	ug/l #	49
38) Carbon Tetrachloride	5.550	117	12306	5.766	ug/l #	16
39) Methylcyclohexane	7.123	83	791	0.263	ug/l #	1
44) Trichloroethene	7.123	130	56008	33.689	ug/l	91
49) 1,4-Dioxane	7.671	88	228	5.052	ug/l #	81
60) Dibromochloromethane	9.275	129	2256	1.255	ug/l #	11
64) Tetrachloroethene	9.275	164	2181	1.499	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	65246	22.755	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	65246	50.473	ug/l #	5

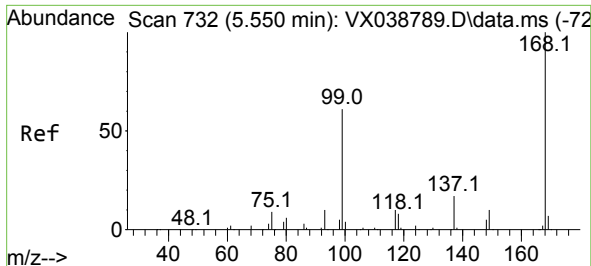
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
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QLast Update : Thu Nov 16 22:59:22 2023
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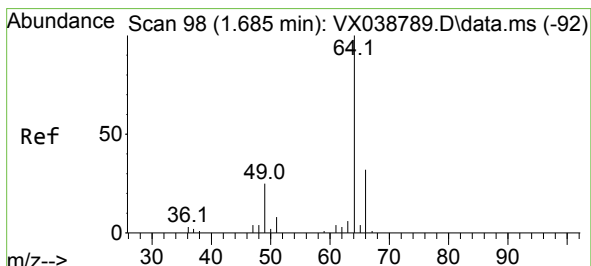
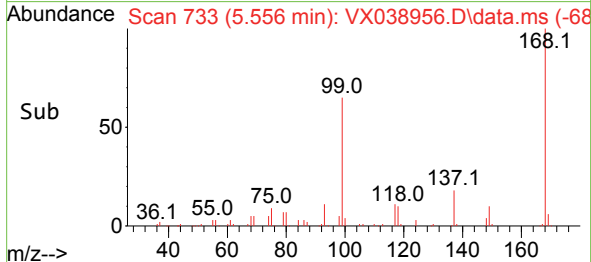
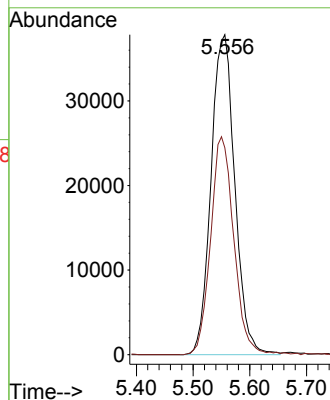
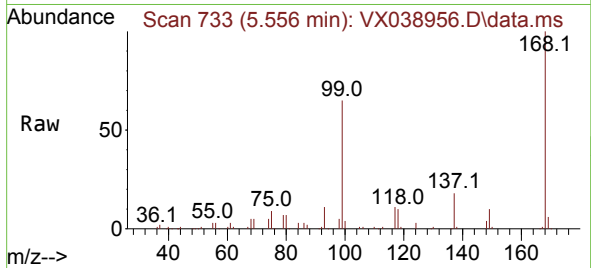




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX038956.D
Acq: 20 Nov 2023 14:19

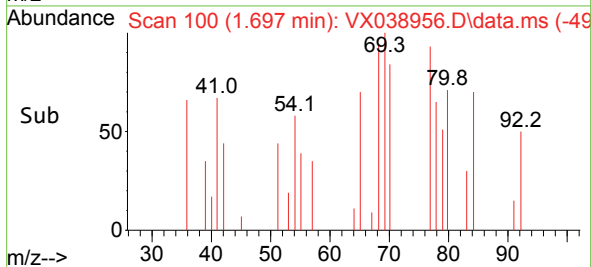
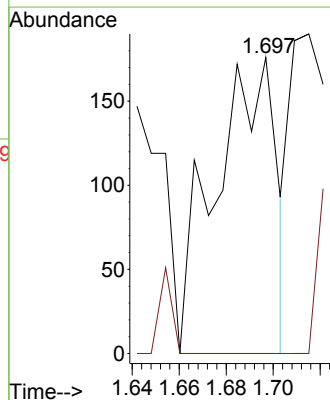
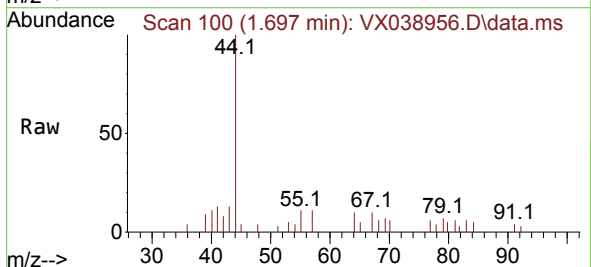
Instrument :
MSVOA_X
ClientSampleId :
DUP06-20231109

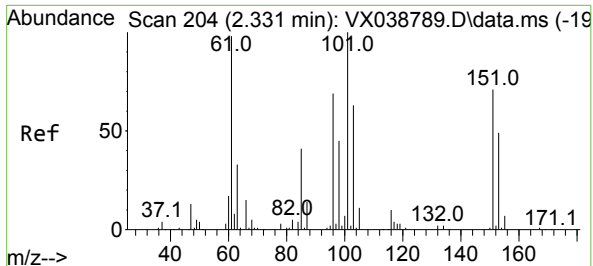
Tgt Ion:168 Resp: 110200
Ion Ratio Lower Upper
168 100
99 64.6 56.6 85.0



#6
Chloroethane
Concen: 0.344 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.012 min
Lab File: VX038956.D
Acq: 20 Nov 2023 14:19

Tgt Ion: 64 Resp: 317
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

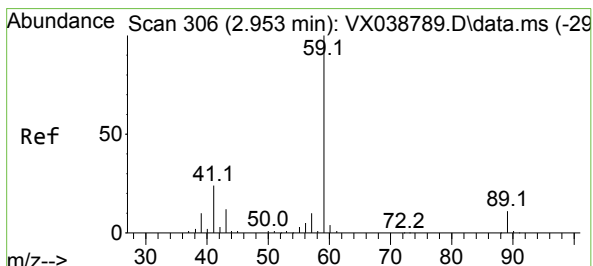
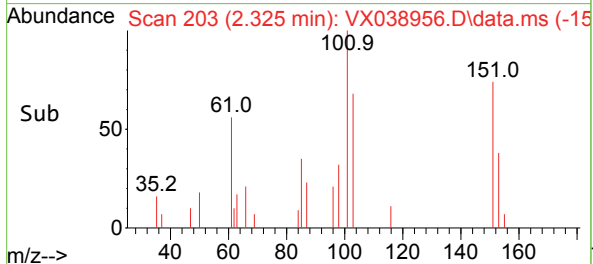
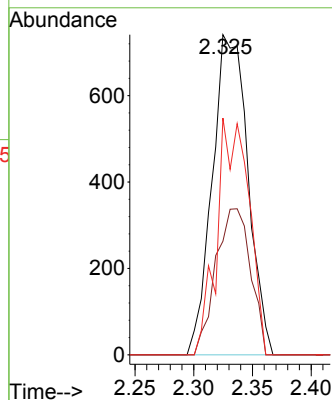
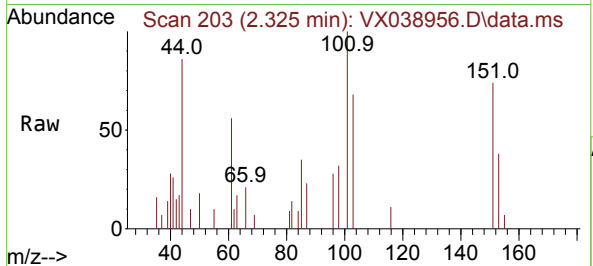




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.146 ug/l
RT: 2.325 min Scan# 204
Delta R.T. -0.006 min
Lab File: VX038956.D
Acq: 20 Nov 2023 14:19

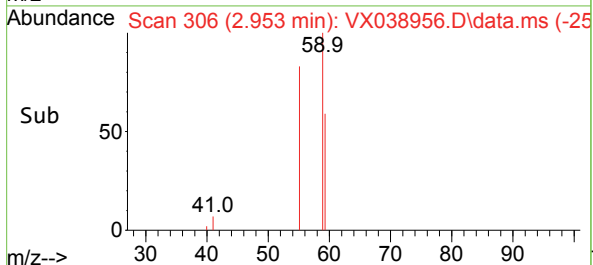
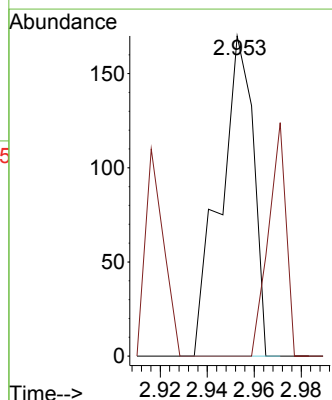
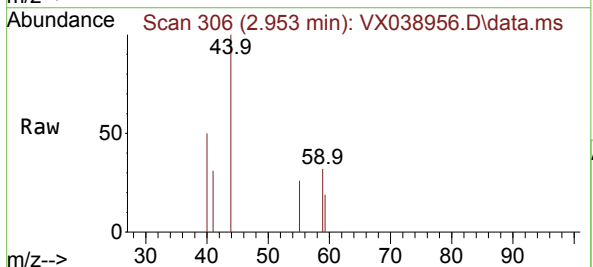
Instrument :
MSVOA_X
ClientSampleId :
DUP06-20231109

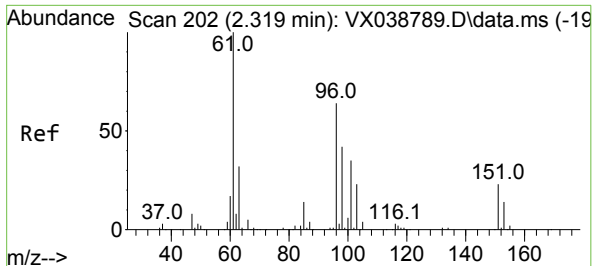
Tgt Ion:101 Resp: 1559
Ion Ratio Lower Upper
101 100
85 44.6 37.0 55.6
151 66.4 58.6 87.8



#11
Tert butyl alcohol
Concen: 0.338 ug/l
RT: 2.953 min Scan# 306
Delta R.T. 0.000 min
Lab File: VX038956.D
Acq: 20 Nov 2023 14:19

Tgt Ion: 59 Resp: 167
Ion Ratio Lower Upper
59 100
57 38.9 6.0 9.0#





#12

1,1-Dichloroethene

Concen: 0.284 ug/l

RT: 2.331 min Scan# 202

Delta R.T. 0.012 min

Lab File: VX038956.D

Acq: 20 Nov 2023 14:19

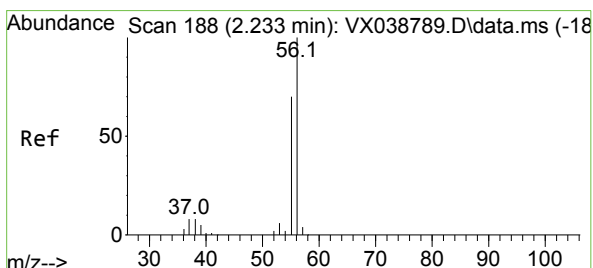
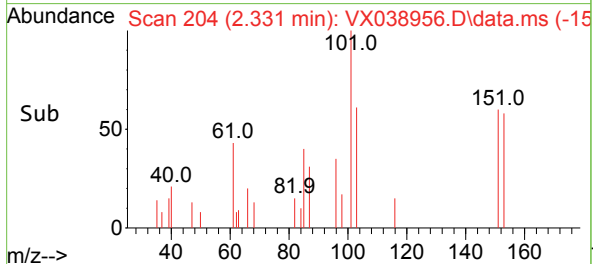
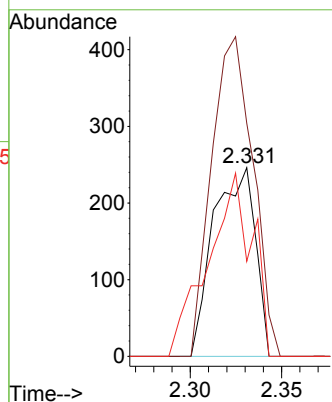
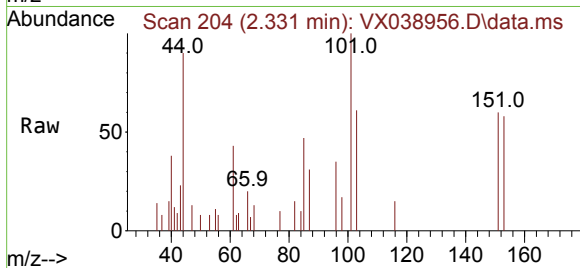
Instrument :

MSVOA_X

ClientSampleId :

DUP06-20231109

Tgt Ion:	96	Resp:	390
Ion	Ratio	Lower	Upper
96	100		
61	123.6	144.6	216.8#
98	50.4	50.4	75.6



#13

Acrolein

Concen: 0.700 ug/l

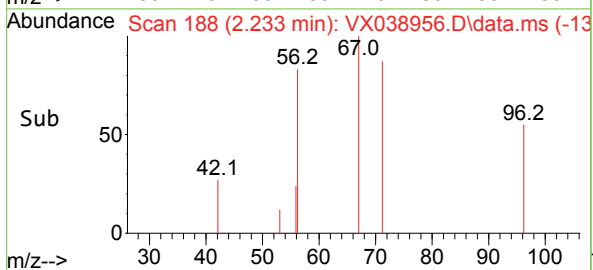
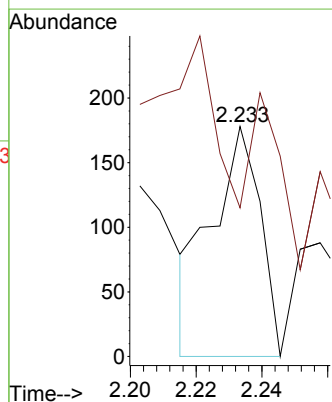
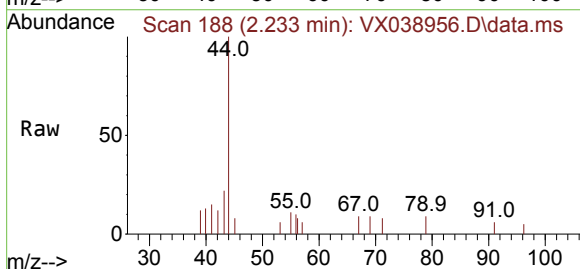
RT: 2.233 min Scan# 188

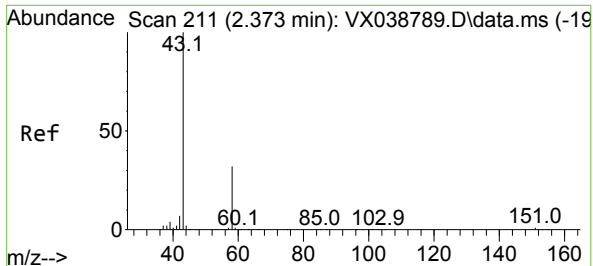
Delta R.T. 0.000 min

Lab File: VX038956.D

Acq: 20 Nov 2023 14:19

Tgt Ion:	56	Resp:	183
Ion	Ratio	Lower	Upper
56	100		
55	0.0	57.1	85.7#

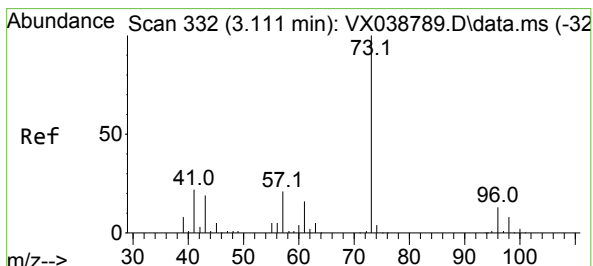
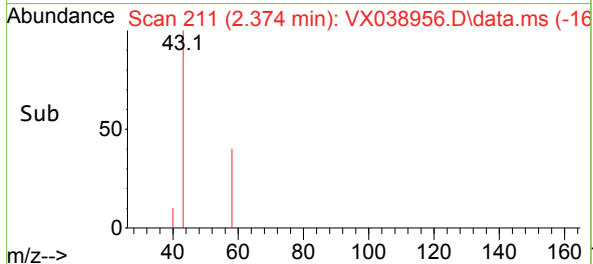
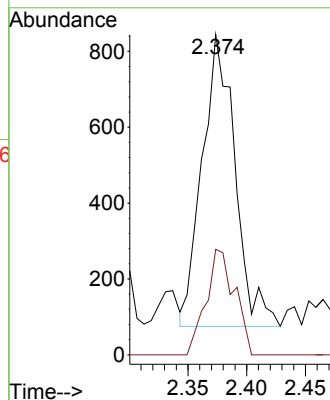
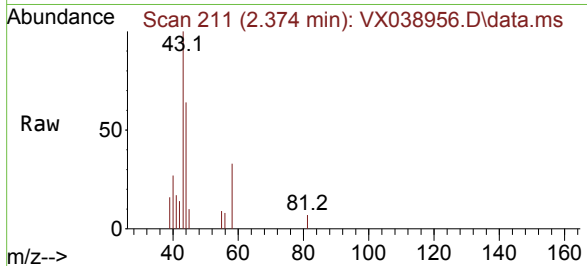




#16
Acetone
Concen: 1.580 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX038956.D
Acq: 20 Nov 2023 14:19

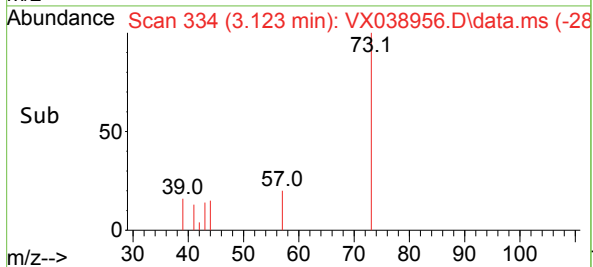
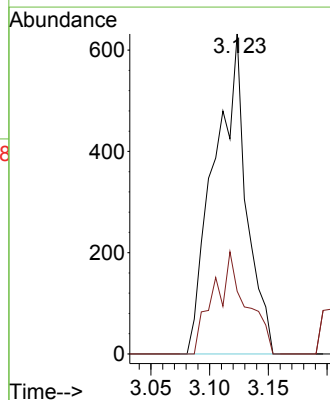
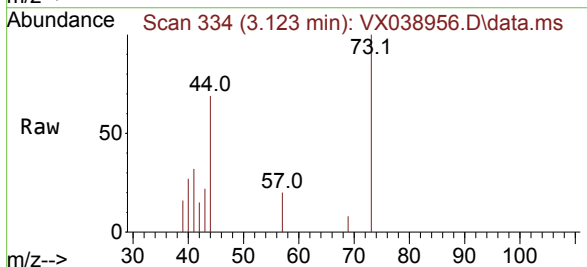
Instrument :
MSVOA_X
ClientSampleId :
DUP06-20231109

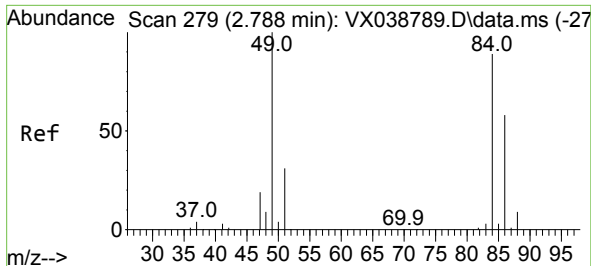
Tgt Ion: 43 Resp: 1494
Ion Ratio Lower Upper
43 100
58 36.2 21.9 32.9#



#19
Methyl tert-butyl Ether
Concen: 0.250 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.012 min
Lab File: VX038956.D
Acq: 20 Nov 2023 14:19

Tgt Ion: 73 Resp: 1207
Ion Ratio Lower Upper
73 100
57 19.6 17.3 25.9





#20

Methylene Chloride

Concen: 0.824 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX038956.D

Acq: 20 Nov 2023 14:19

Instrument :

MSVOA_X

ClientSampleId :

DUP06-20231109

Tgt Ion: 84 Resp: 1404

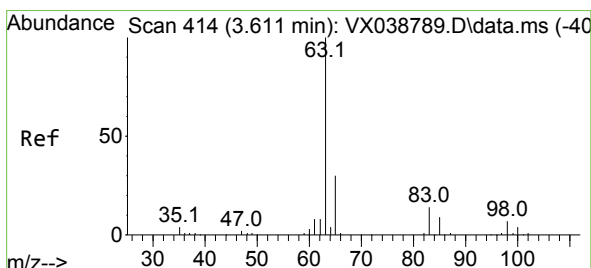
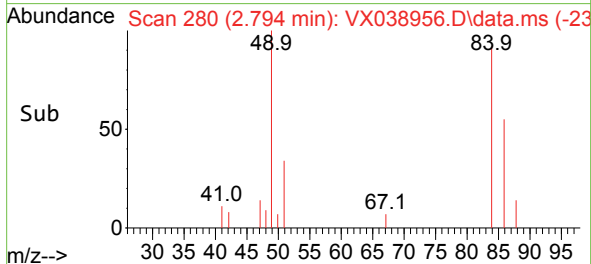
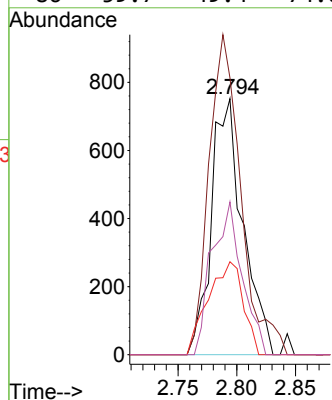
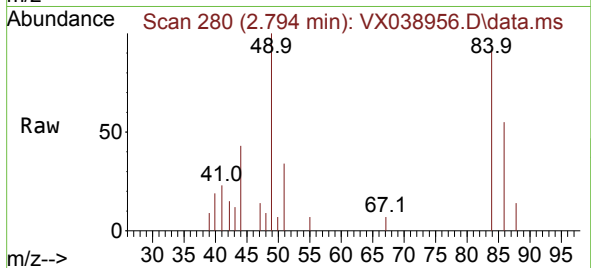
Ion Ratio Lower Upper

84 100

49 108.1 103.6 155.4

51 36.3 33.8 50.6

86 59.7 49.4 74.0



#24

1,1-Dichloroethane

Concen: 0.420 ug/l

RT: 3.611 min Scan# 414

Delta R.T. 0.000 min

Lab File: VX038956.D

Acq: 20 Nov 2023 14:19

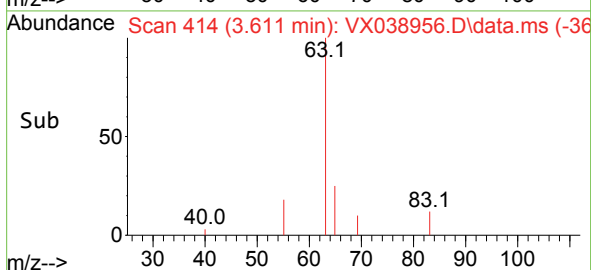
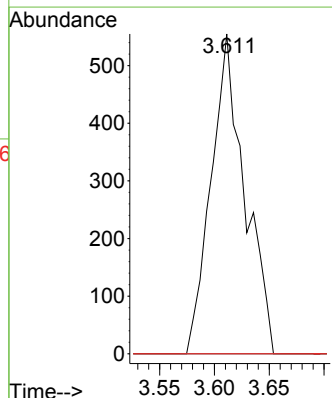
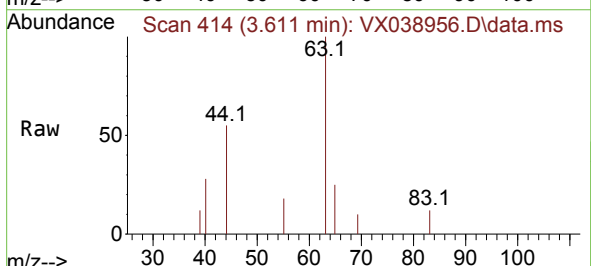
Tgt Ion: 63 Resp: 1185

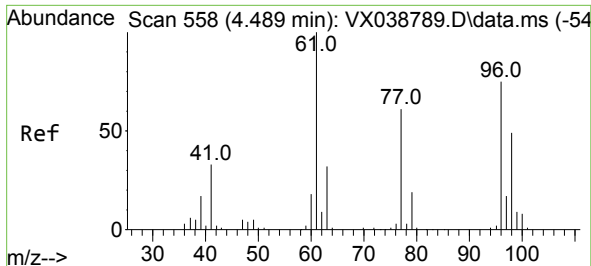
Ion Ratio Lower Upper

63 100

98 0.0 3.3 9.8#

100 0.0 2.1 6.5#

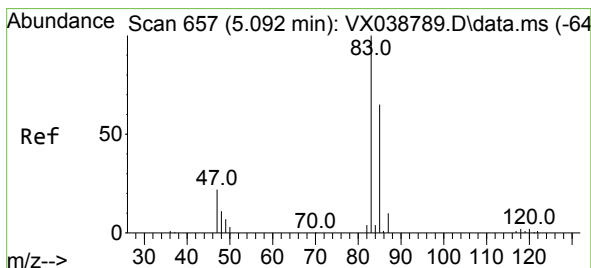
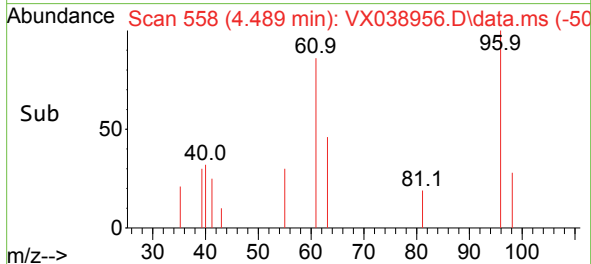
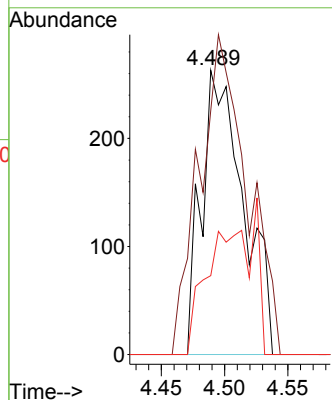
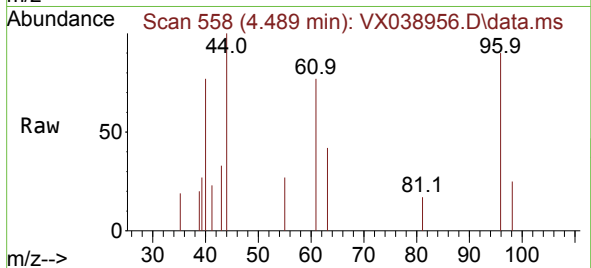




#27
 cis-1,2-Dichloroethene
 Concen: 0.342 ug/l
 RT: 4.489 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VX038956.D
 Acq: 20 Nov 2023 14:19

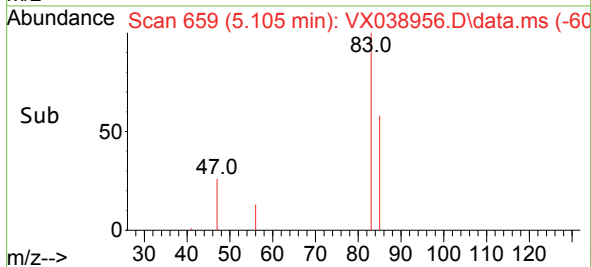
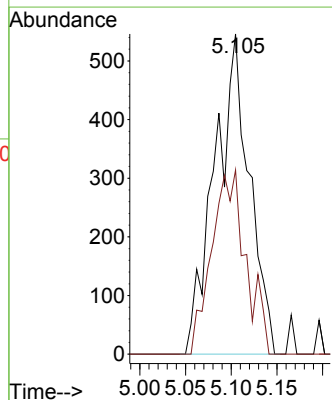
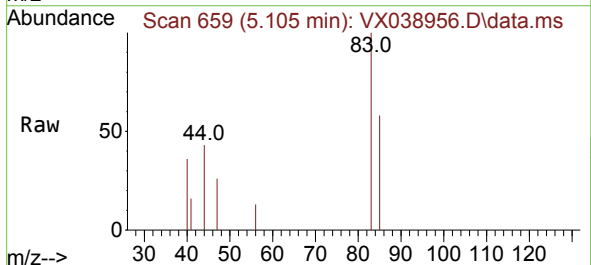
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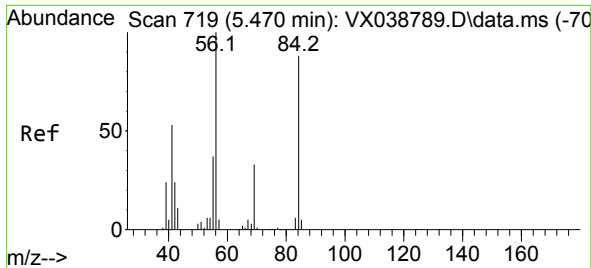
Tgt Ion: 96 Resp: 604
 Ion Ratio Lower Upper
 96 100
 61 128.8 0.0 312.2
 98 0.0 0.0 129.0



#30
 Chloroform
 Concen: 0.523 ug/l
 RT: 5.105 min Scan# 659
 Delta R.T. 0.012 min
 Lab File: VX038956.D
 Acq: 20 Nov 2023 14:19

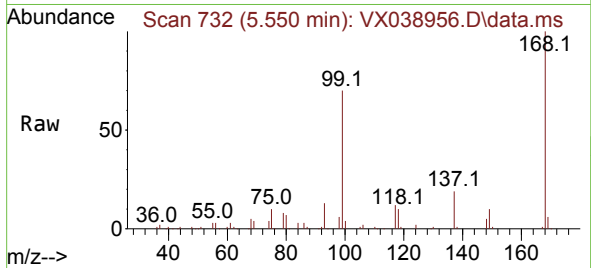
Tgt Ion: 83 Resp: 1440
 Ion Ratio Lower Upper
 83 100
 85 57.5 50.3 75.5



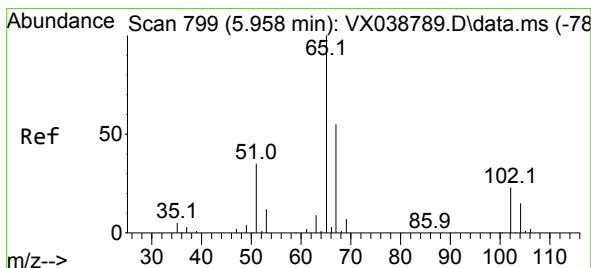
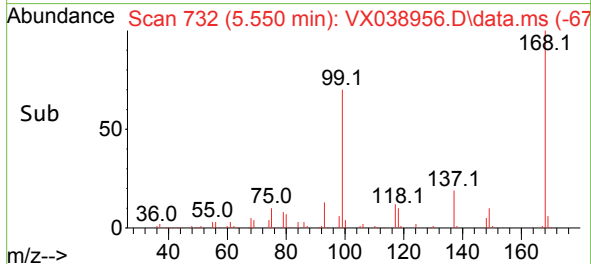
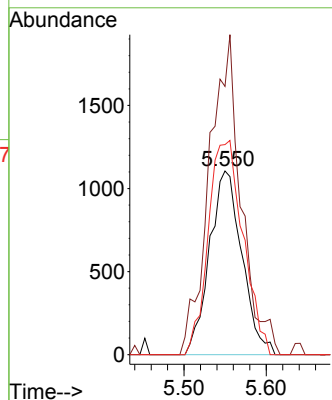


#31
Cyclohexane
Concen: 1.196 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX038956.D
Acq: 20 Nov 2023 14:19

Instrument :
MSVOA_X
ClientSampleId :
DUP06-20231109

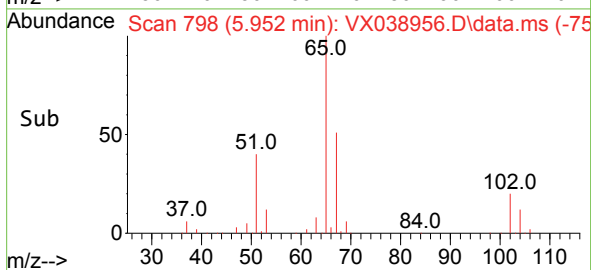
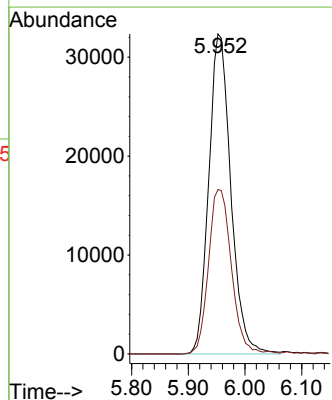
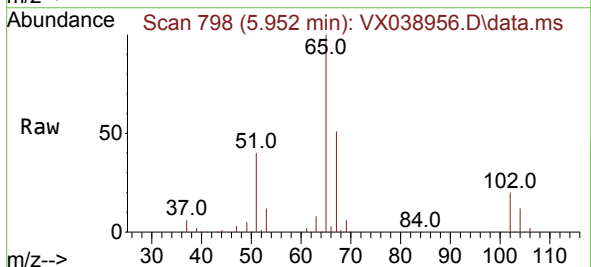


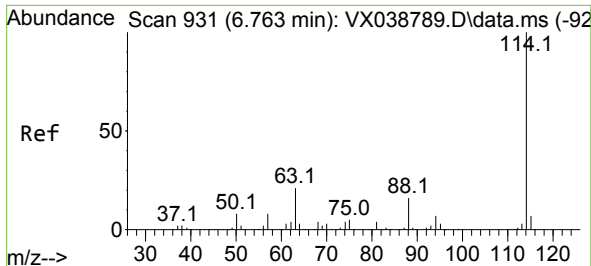
Tgt Ion: 56 Resp: 3032
Ion Ratio Lower Upper
56 100
69 146.2 23.4 35.2#
84 114.4 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 49.280 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX038956.D
Acq: 20 Nov 2023 14:19

Tgt Ion: 65 Resp: 87506
Ion Ratio Lower Upper
65 100
67 53.4 0.0 100.2

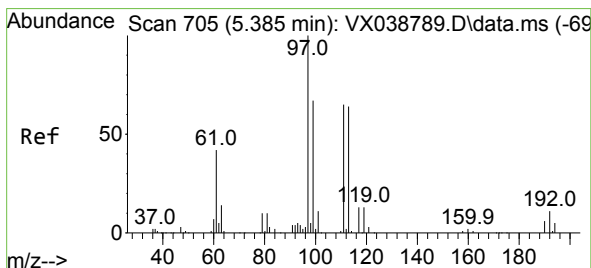
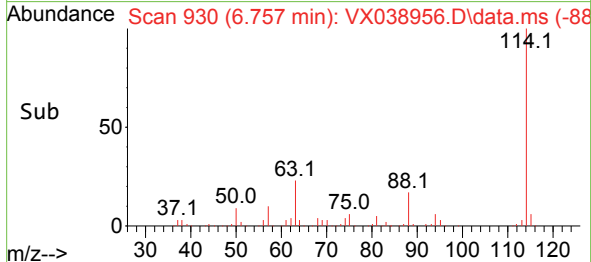
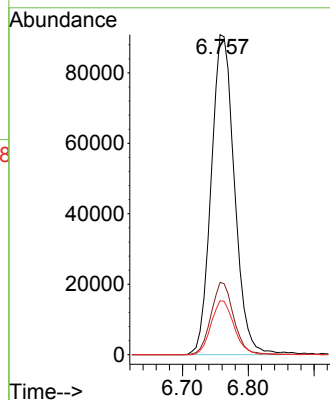
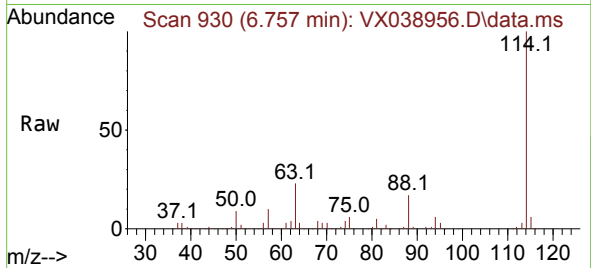




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX038956.D
Acq: 20 Nov 2023 14:19

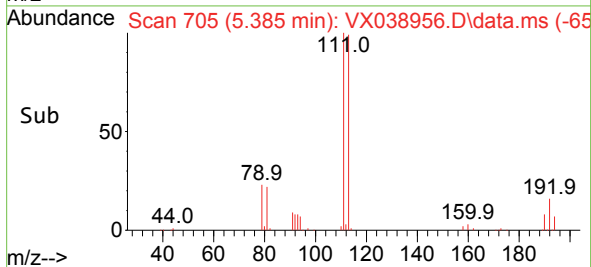
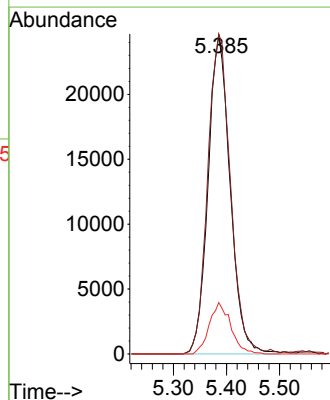
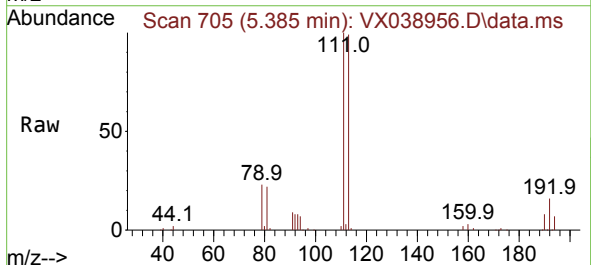
Instrument :
MSVOA_X
ClientSampleId :
DUP06-20231109

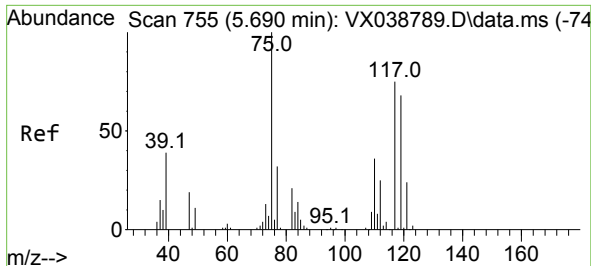
Tgt Ion:114 Resp: 223095
Ion Ratio Lower Upper
114 100
63 22.6 0.0 45.0
88 16.8 0.0 36.6



#35
Dibromofluoromethane
Concen: 44.050 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038956.D
Acq: 20 Nov 2023 14:19

Tgt Ion:113 Resp: 70975
Ion Ratio Lower Upper
113 100
111 103.1 82.9 124.3
192 15.7 13.3 19.9

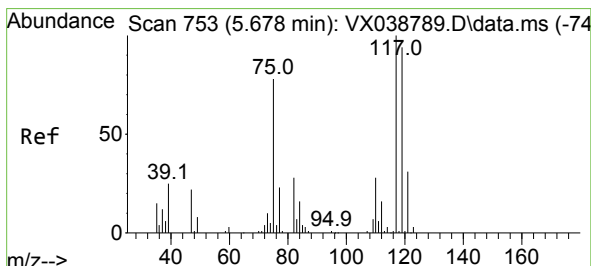
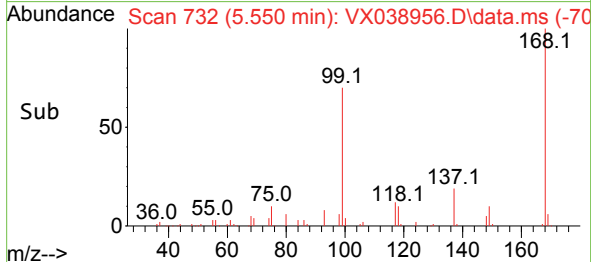
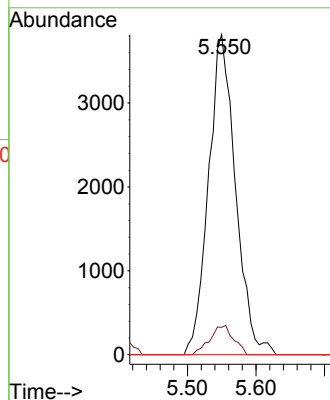
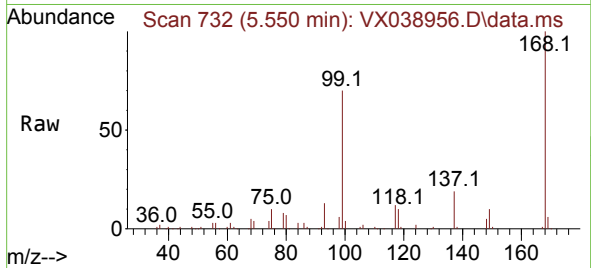




#36
1,1-Dichloropropene
Concen: 4.524 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX038956.D
Acq: 20 Nov 2023 14:19

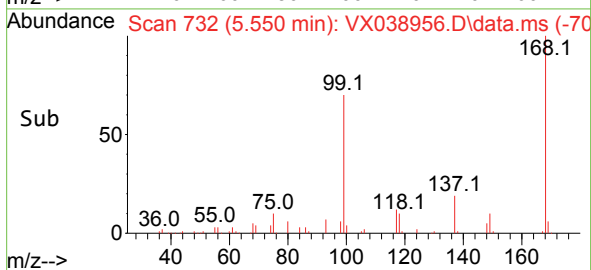
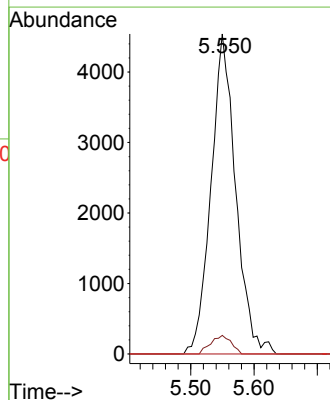
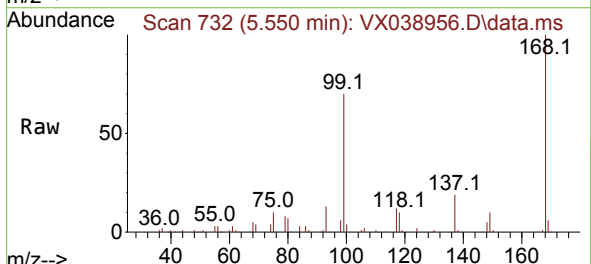
Instrument :
MSVOA_X
ClientSampleId :
DUP06-20231109

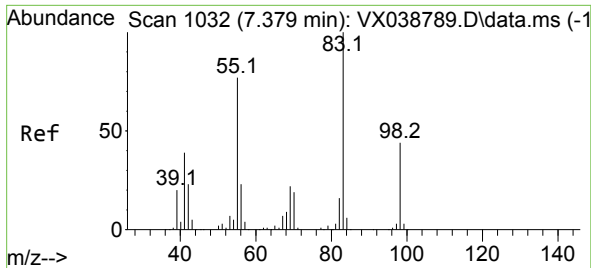
Tgt Ion: 75 Resp: 10448
Ion Ratio Lower Upper
75 100
110 8.0 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.766 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX038956.D
Acq: 20 Nov 2023 14:19

Tgt Ion: 117 Resp: 12306
Ion Ratio Lower Upper
117 100
119 5.8 78.2 117.2#
121 0.0 24.4 36.6#

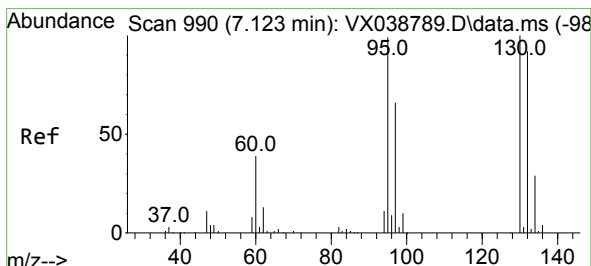
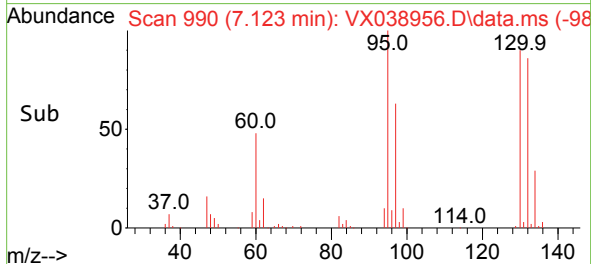
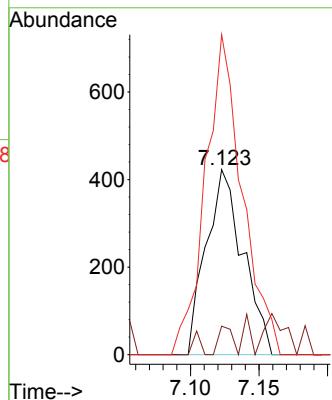
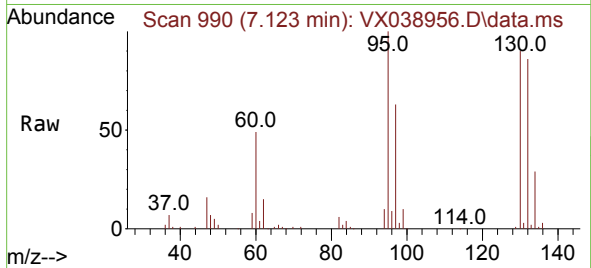




#39
Methylcyclohexane
Concen: 0.263 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX038956.D
Acq: 20 Nov 2023 14:19

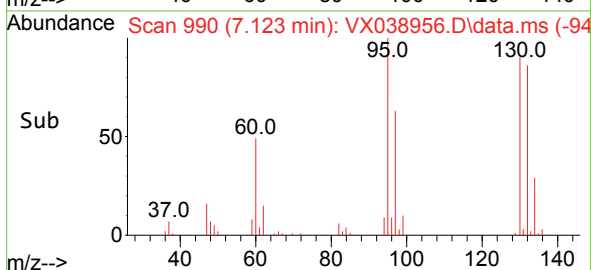
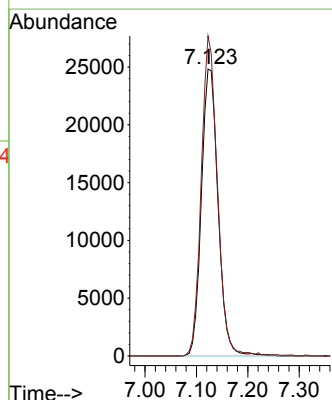
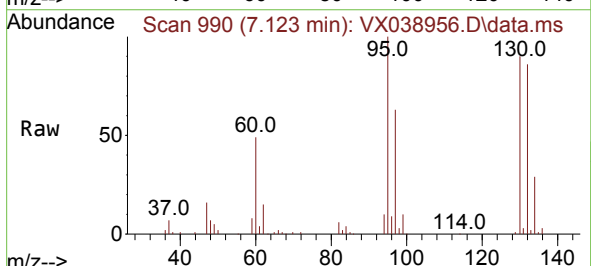
Instrument :
MSVOA_X
ClientSampleId :
DUP06-20231109

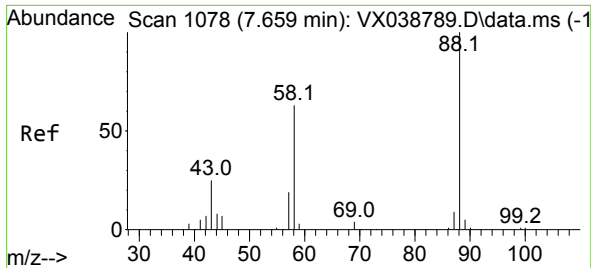
Tgt Ion: 83 Resp: 791
Ion Ratio Lower Upper
83 100
55 15.4 64.6 97.0#
98 172.8 36.7 55.1#



#44
Trichloroethene
Concen: 33.689 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX038956.D
Acq: 20 Nov 2023 14:19

Tgt Ion:130 Resp: 56008
Ion Ratio Lower Upper
130 100
95 111.5 0.0 204.4

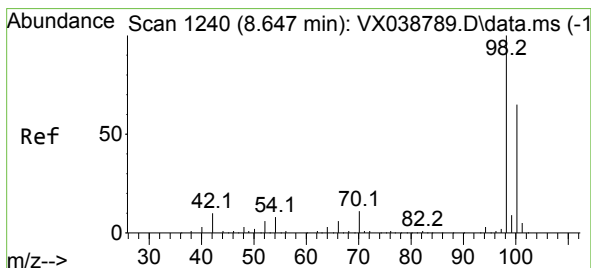
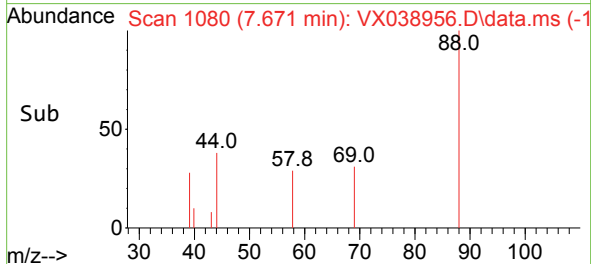
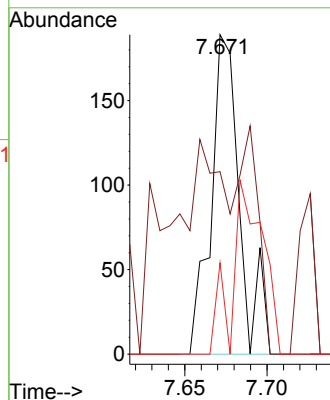
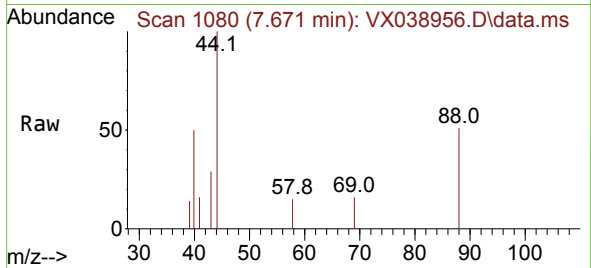




#49
1,4-Dioxane
Concen: 5.052 ug/l
RT: 7.671 min Scan# 1078
Delta R.T. 0.012 min
Lab File: VX038956.D
Acq: 20 Nov 2023 14:19

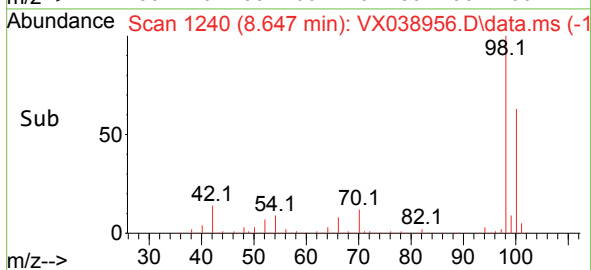
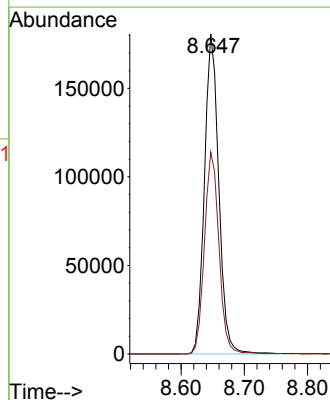
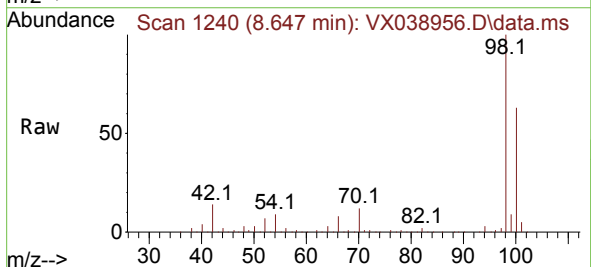
Instrument :
MSVOA_X
ClientSampleId :
DUP06-20231109

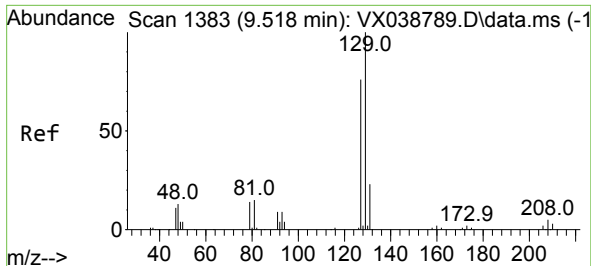
Tgt Ion: 88 Resp: 228
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 58.8 60.1 90.1#



#50
Toluene-d8
Concen: 46.236 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX038956.D
Acq: 20 Nov 2023 14:19

Tgt Ion: 98 Resp: 285034
Ion Ratio Lower Upper
98 100
100 63.9 53.1 79.7

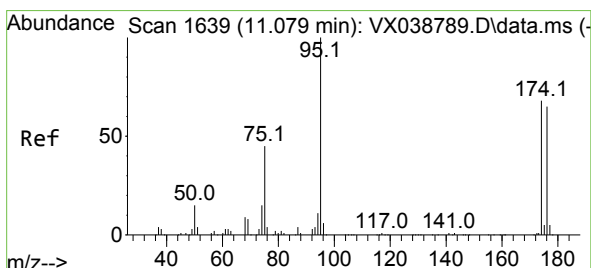
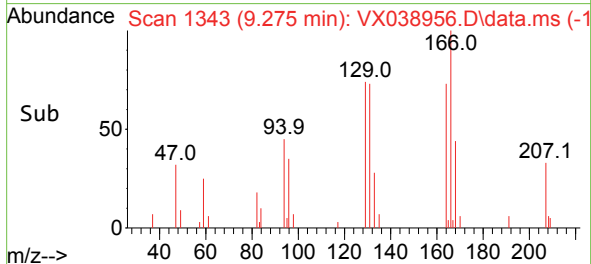
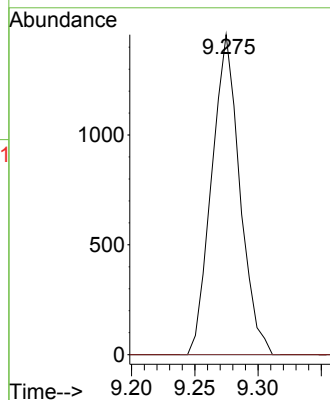
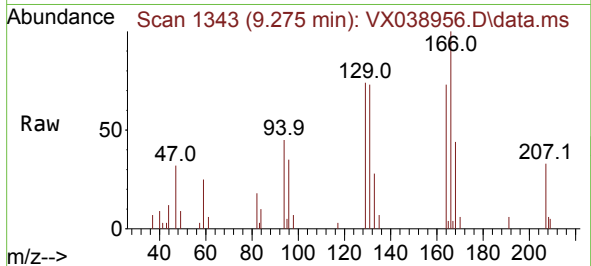




#60
Dibromochloromethane
Concen: 1.255 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX038956.D
Acq: 20 Nov 2023 14:19

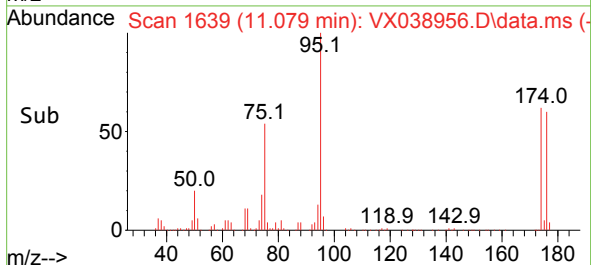
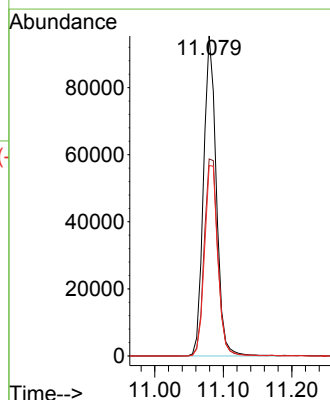
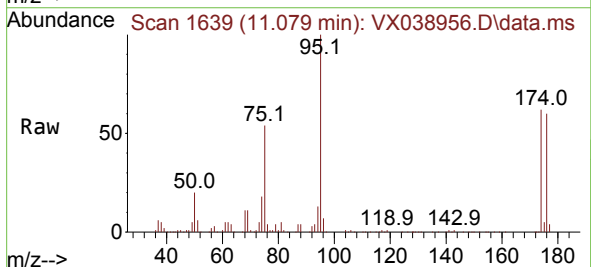
Instrument :
MSVOA_X
ClientSampleId :
DUP06-20231109

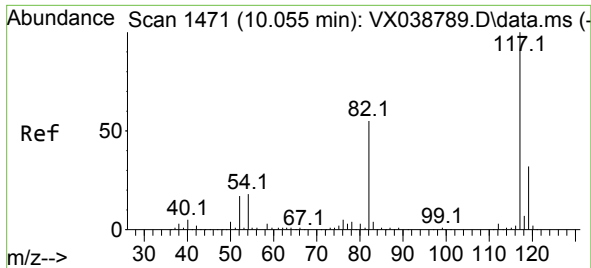
Tgt Ion:129 Resp: 2256
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 50.287 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038956.D
Acq: 20 Nov 2023 14:19

Tgt Ion: 95 Resp: 124096
Ion Ratio Lower Upper
95 100
174 65.2 0.0 135.6
176 62.2 0.0 131.0

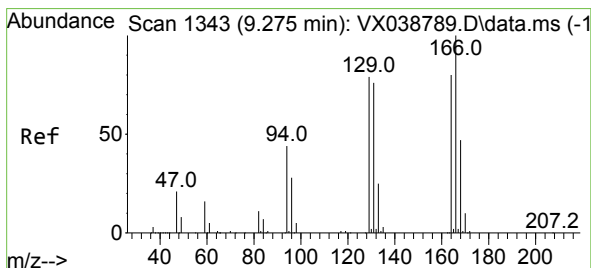
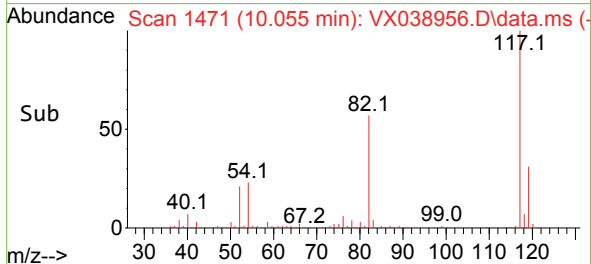
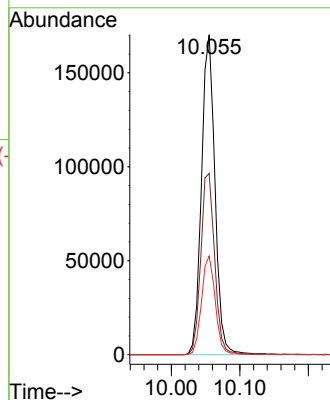
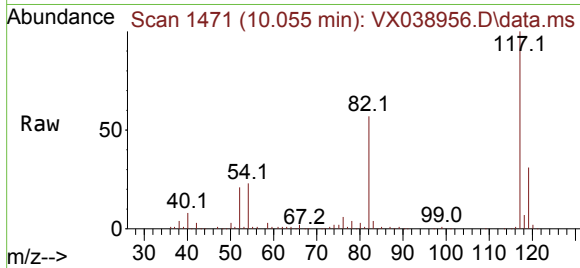




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038956.D
Acq: 20 Nov 2023 14:19

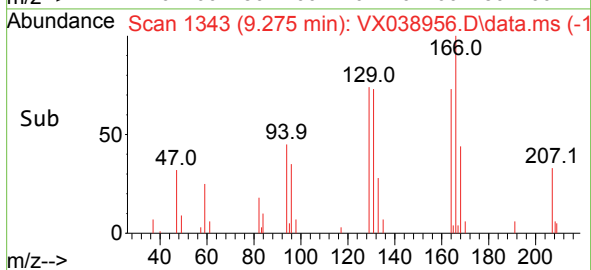
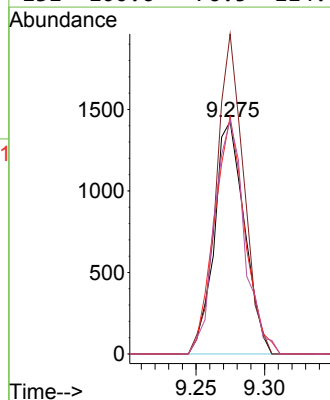
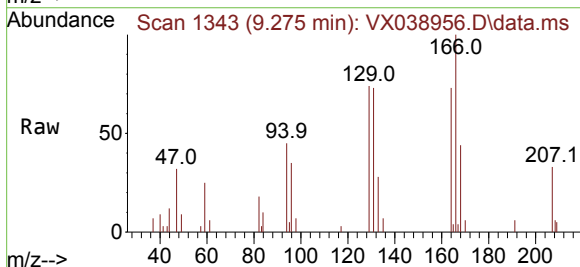
Instrument :
MSVOA_X
ClientSampleId :
DUP06-20231109

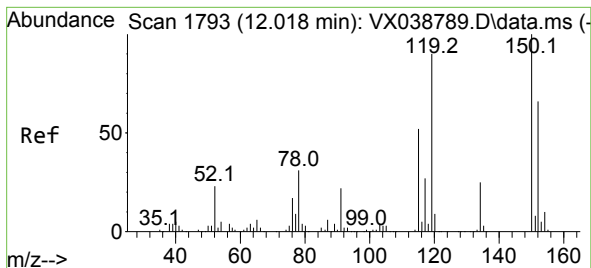
Tgt Ion:117 Resp: 234117
Ion Ratio Lower Upper
117 100
82 56.7 46.2 69.4
119 30.9 25.5 38.3



#64
Tetrachloroethene
Concen: 1.499 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX038956.D
Acq: 20 Nov 2023 14:19

Tgt Ion:164 Resp: 2181
Ion Ratio Lower Upper
164 100
166 137.7 102.7 154.1
129 102.2 80.4 120.6
131 100.6 76.5 114.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX038956.D

Acq: 20 Nov 2023 14:19

Instrument :

MSVOA_X

ClientSampleId :

DUP06-20231109

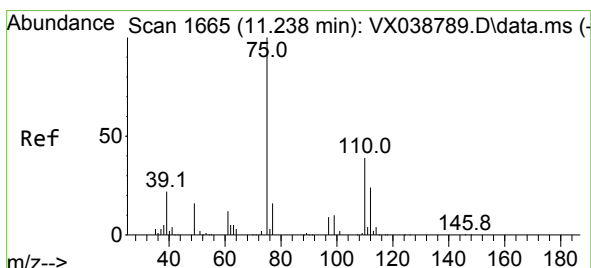
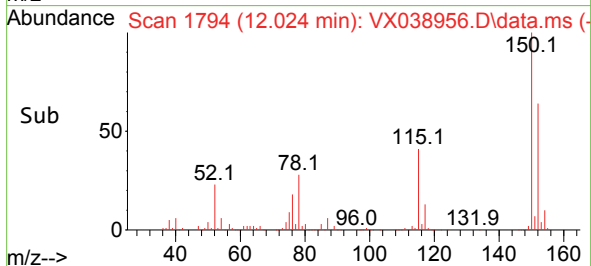
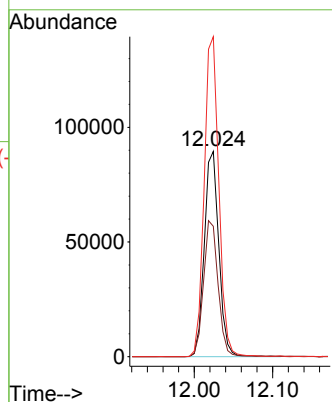
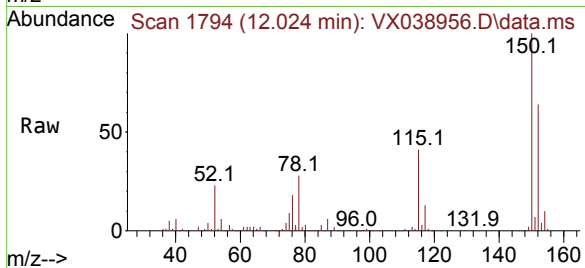
Tgt Ion:152 Resp: 114923

Ion Ratio Lower Upper

152 100

115 66.7 43.3 129.9

150 157.0 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 22.755 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX038956.D

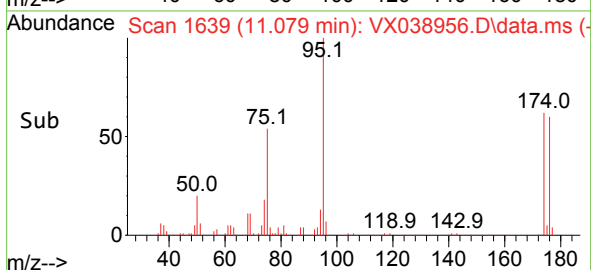
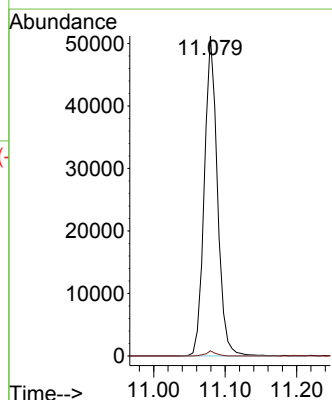
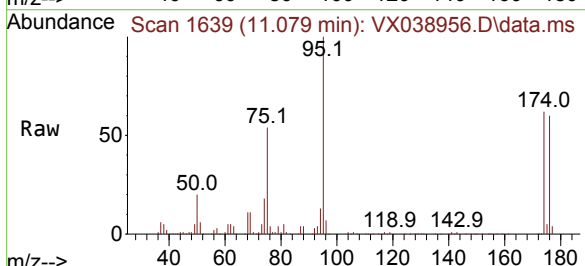
Acq: 20 Nov 2023 14:19

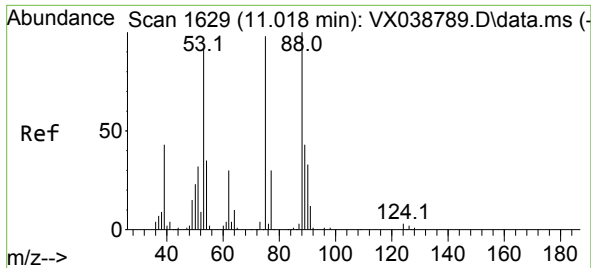
Tgt Ion: 75 Resp: 65246

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 50.473 ug/l
 RT: 11.079 min Scan# 11
 Delta R.T. 0.061 min
 Lab File: VX038956.D
 Acq: 20 Nov 2023 14:19

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP06-20231109

Tgt Ion: 75 Resp: 65246
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

