

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112023\
 Data File : VX038955.D
 Acq On : 20 Nov 2023 13:56
 Operator : JC/MD
 Sample : 05404-24 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP02-20231109

Quant Time: Nov 21 00:19:43 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

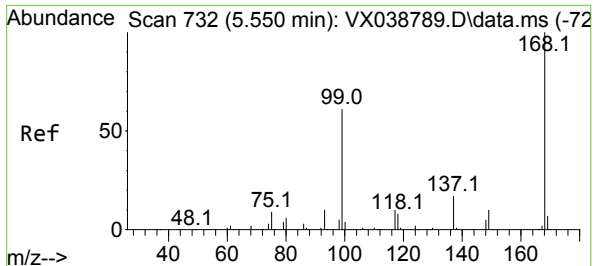
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	112353	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	230669	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	237966	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	119040	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	92895	51.312	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	102.620%
35) Dibromofluoromethane	5.385	113	74249	44.569	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.140%
50) Toluene-d8	8.647	98	293106	45.985	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.960%#
62) 4-Bromofluorobenzene	11.079	95	125762	49.288	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.580%
Target Compounds						
						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.331	101	1109	0.800	ug/l	92
11) Tert butyl alcohol	2.940	59	1113	2.210	ug/l #	78
12) 1,1-Dichloroethene	2.325	96	388	0.277	ug/l #	62
13) Acrolein	2.197	56	90	0.338	ug/l #	14
16) Acetone	2.380	43	721	0.748	ug/l #	71
20) Methylene Chloride	2.788	84	3421	1.969	ug/l	97
26) 2,2-Dichloropropane	4.556	77	705	0.283	ug/l #	54
27) cis-1,2-Dichloroethene	4.489	96	965	0.536	ug/l	44
31) Cyclohexane	5.550	56	3244	1.255	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	10567	4.426	ug/l #	51
38) Carbon Tetrachloride	5.556	117	12591	5.706	ug/l #	14
44) Trichloroethene	7.129	130	49242	28.646	ug/l	96
49) 1,4-Dioxane	7.696	88	46	0.986	ug/l #	12
60) Dibromochloromethane	9.275	129	1801	0.969	ug/l #	11
64) Tetrachloroethene	9.275	164	1590	1.075	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	67189	22.622	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	67189	50.179	ug/l #	5

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

Quant Time: Nov 21 00:19:43 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

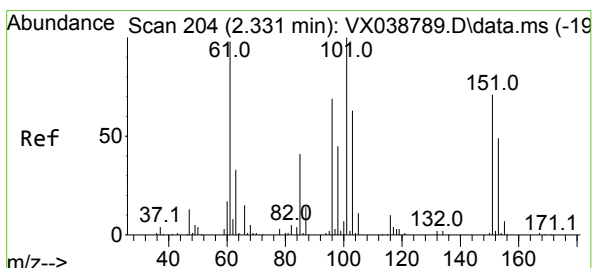
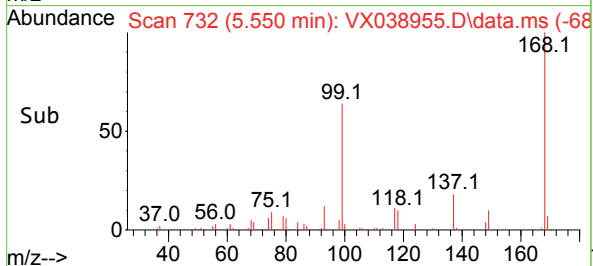
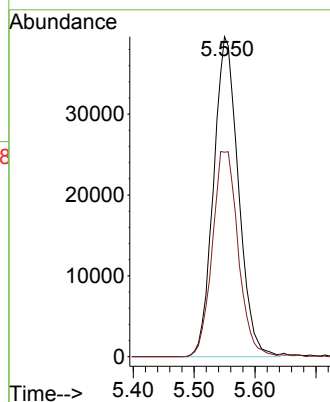
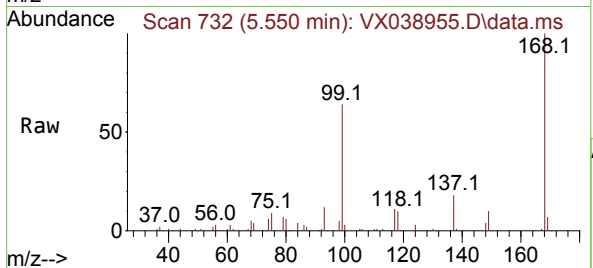




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038955.D
Acq: 20 Nov 2023 13:56

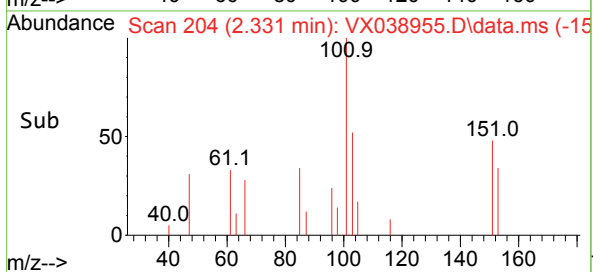
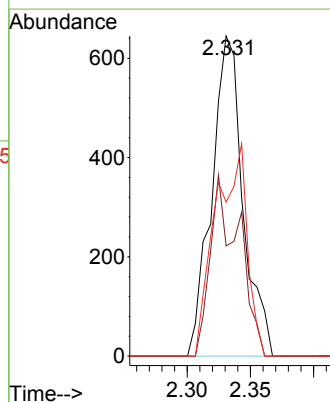
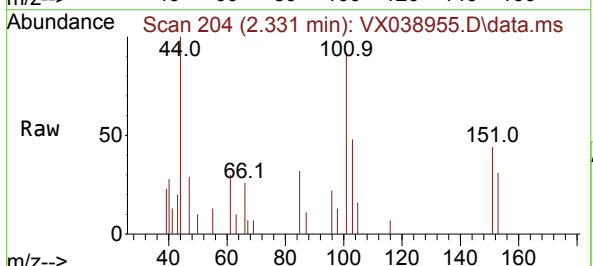
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20231109

Tgt Ion:168 Resp: 112353
Ion Ratio Lower Upper
168 100
99 63.9 56.6 85.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.800 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX038955.D
Acq: 20 Nov 2023 13:56

Tgt Ion:101 Resp: 1109
Ion Ratio Lower Upper
101 100
85 51.8 37.0 55.6
151 66.7 58.6 87.8





#11

Tert butyl alcohol

Concen: 2.210 ug/l

RT: 2.940 min Scan# 306

Delta R.T. -0.012 min

Lab File: VX038955.D

Acq: 20 Nov 2023 13:56

Instrument :

MSVOA_X

ClientSampleId :

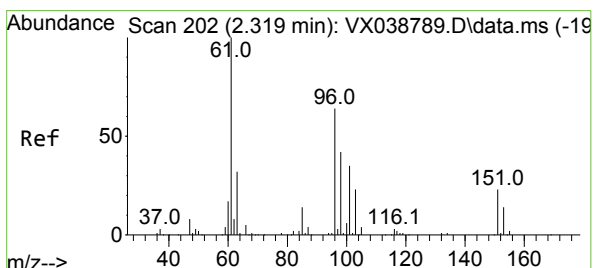
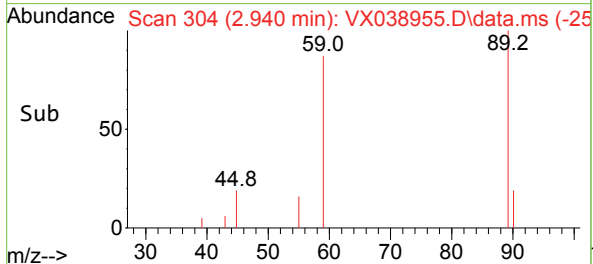
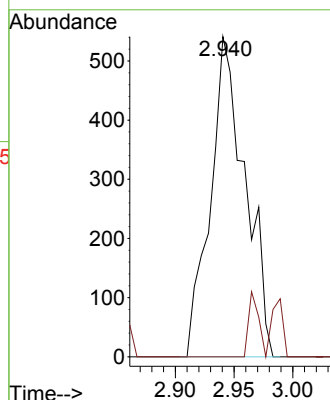
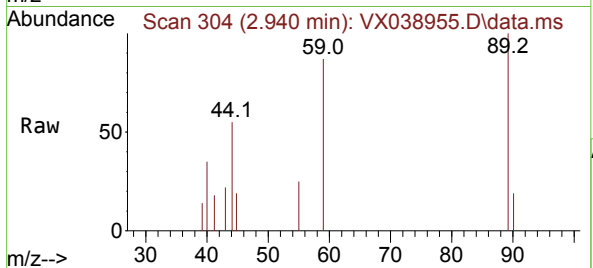
DUP02-20231109

Tgt Ion: 59 Resp: 1113

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#12

1,1-Dichloroethene

Concen: 0.277 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX038955.D

Acq: 20 Nov 2023 13:56

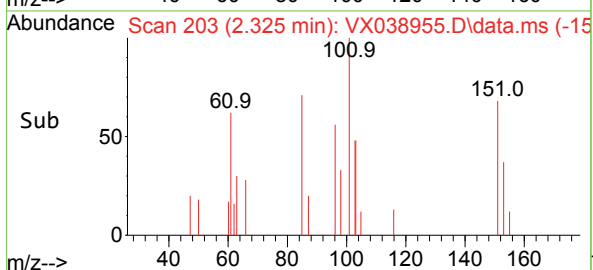
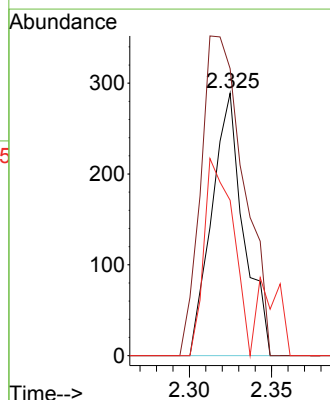
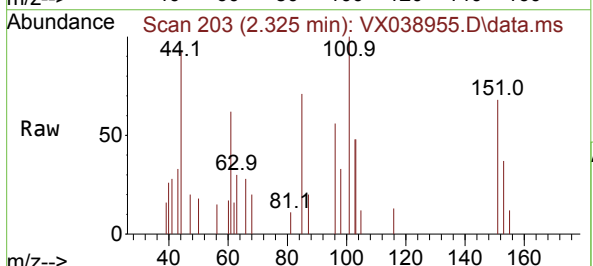
Tgt Ion: 96 Resp: 388

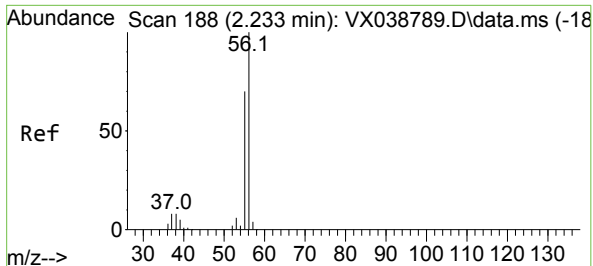
Ion Ratio Lower Upper

96 100

61 109.3 144.6 216.8#

98 59.2 50.4 75.6

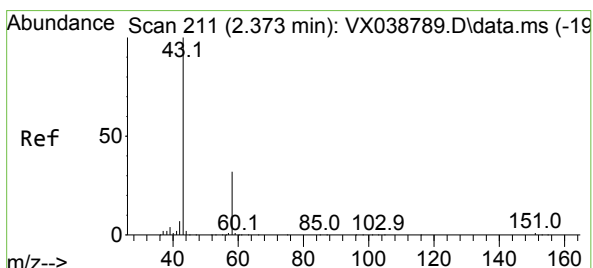
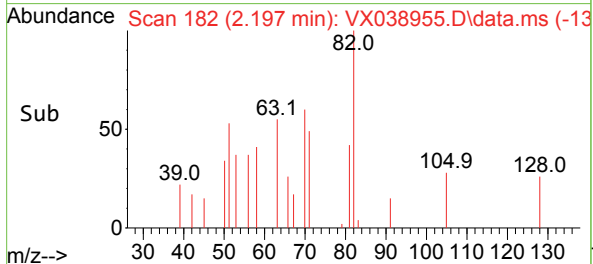
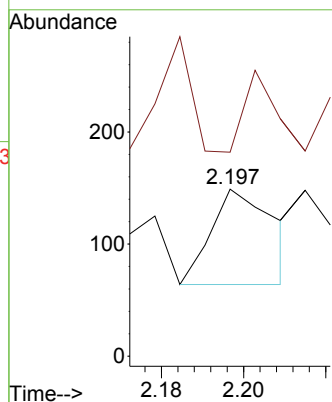
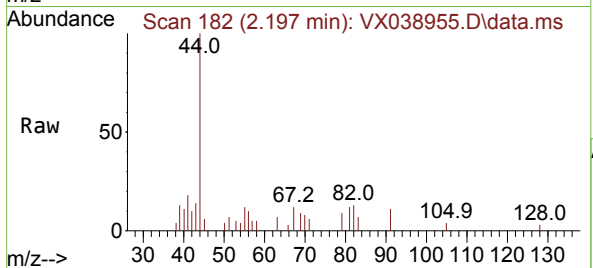




#13
Acrolein
Concen: 0.338 ug/l
RT: 2.197 min Scan# 11
Delta R.T. -0.037 min
Lab File: VX038955.D
Acq: 20 Nov 2023 13:56

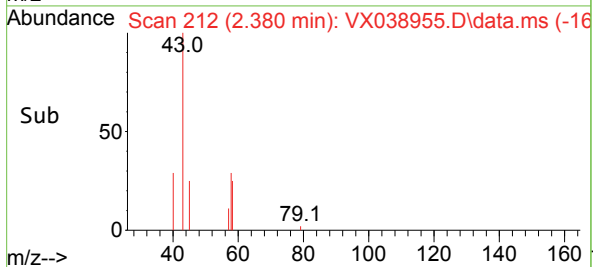
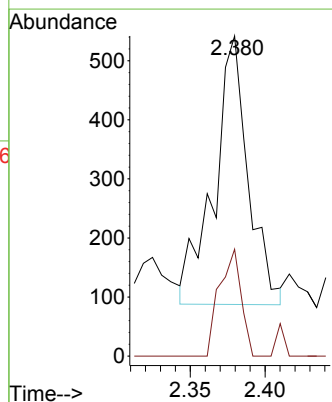
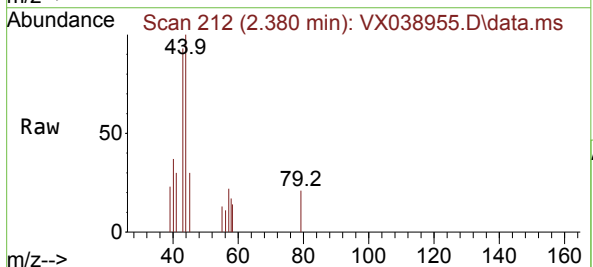
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20231109

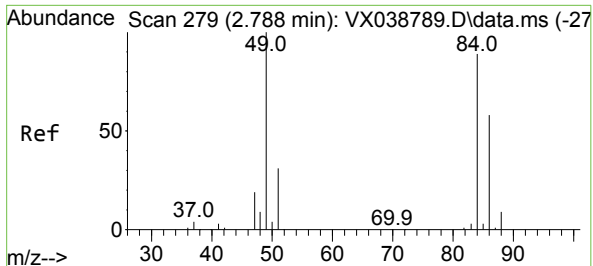
Tgt Ion: 56 Resp: 90
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#



#16
Acetone
Concen: 0.748 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX038955.D
Acq: 20 Nov 2023 13:56

Tgt Ion: 43 Resp: 721
Ion Ratio Lower Upper
43 100
58 42.4 21.9 32.9#





#20

Methylene Chloride

Concen: 1.969 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX038955.D

Acq: 20 Nov 2023 13:56

Instrument :

MSVOA_X

ClientSampleId :

DUP02-20231109

Tgt Ion: 84 Resp: 3421

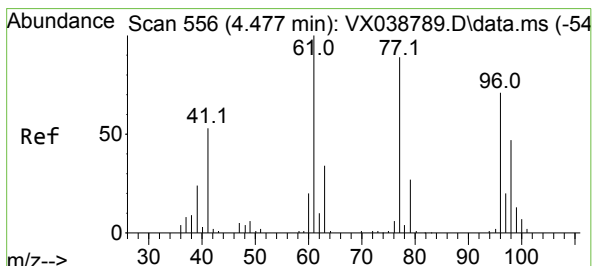
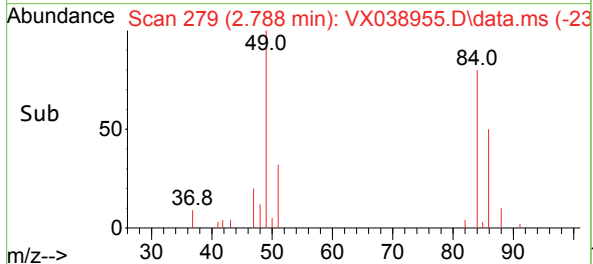
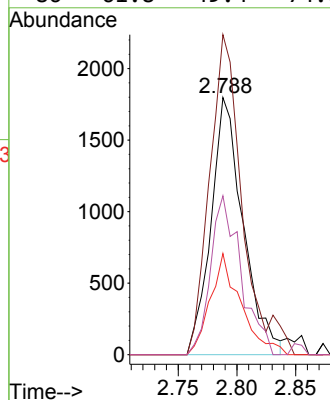
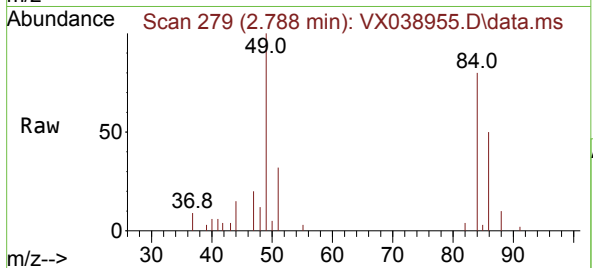
Ion Ratio Lower Upper

84 100

49 124.4 103.6 155.4

51 39.3 33.8 50.6

86 61.8 49.4 74.0



#26

2,2-Dichloropropane

Concen: 0.283 ug/l

RT: 4.556 min Scan# 569

Delta R.T. 0.079 min

Lab File: VX038955.D

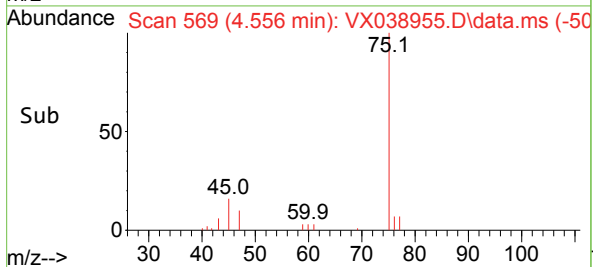
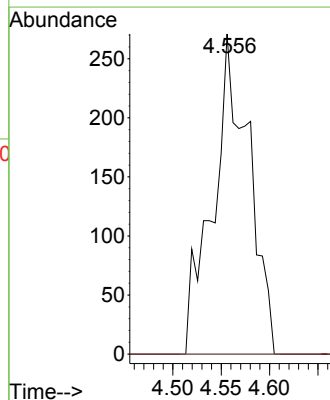
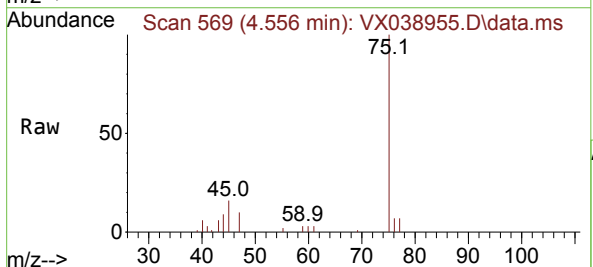
Acq: 20 Nov 2023 13:56

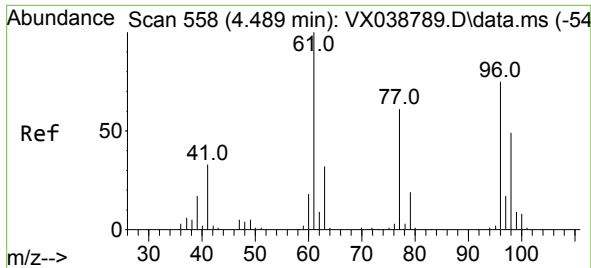
Tgt Ion: 77 Resp: 705

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.3#

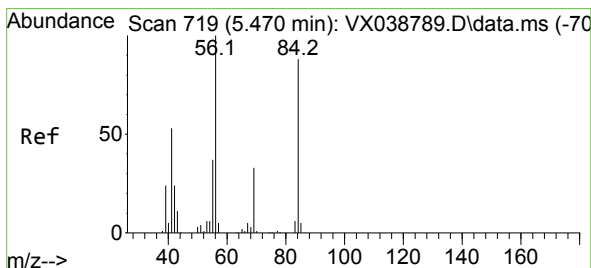
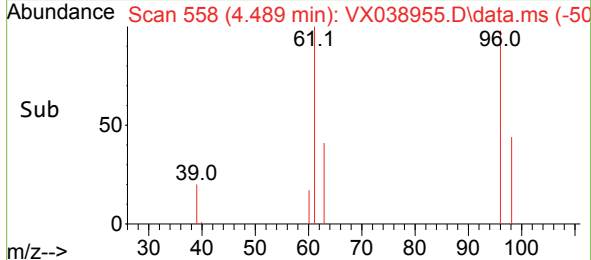
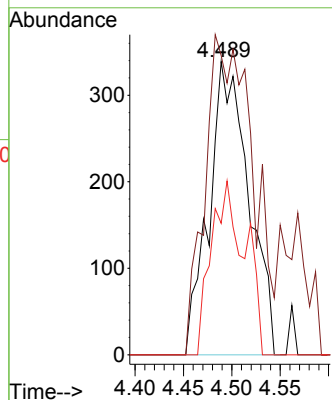
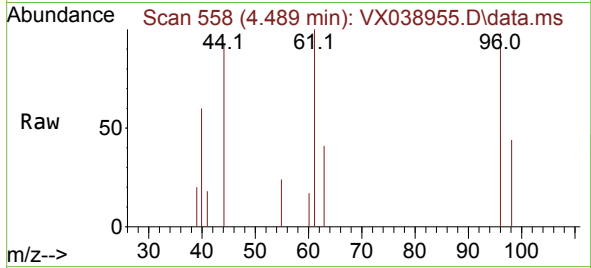




#27
cis-1,2-Dichloroethene
Concen: 0.536 ug/l
RT: 4.489 min Scan# 511
Delta R.T. 0.000 min
Lab File: VX038955.D
Acq: 20 Nov 2023 13:56

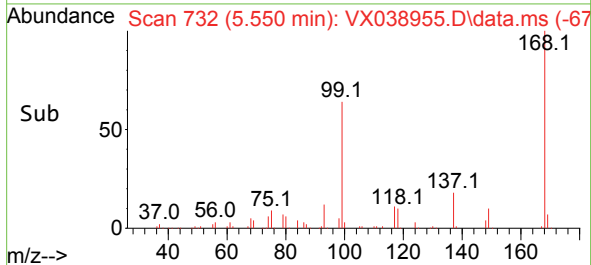
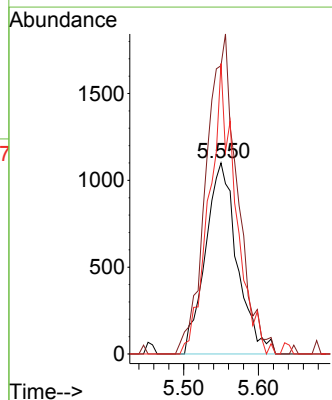
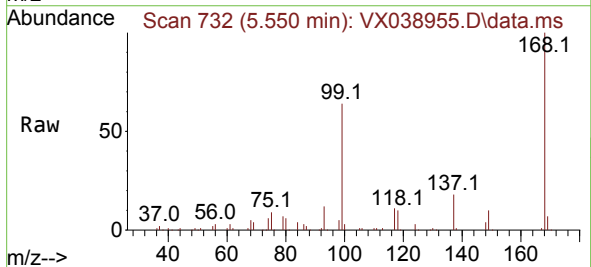
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20231109

Tgt Ion: 96	Resp: 965
Ion Ratio	Lower Upper
96 100	
61 63.6	0.0 312.2
98 50.5	0.0 129.0



#31
Cyclohexane
Concen: 1.255 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX038955.D
Acq: 20 Nov 2023 13:56

Tgt Ion: 56	Resp:	3244	
Ion Ratio	Lower	Upper	
56	100		
69	151.0	23.4	35.2#
84	152.1	65.9	98.9#

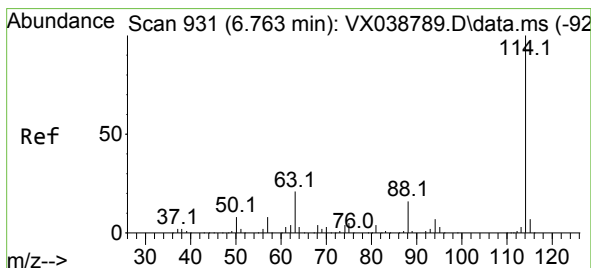
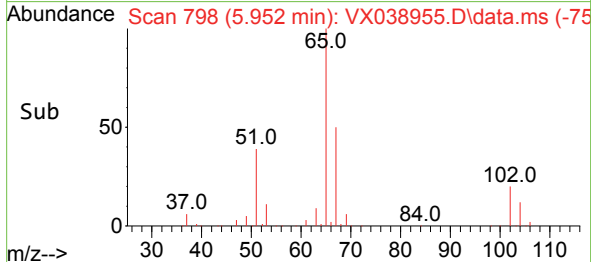
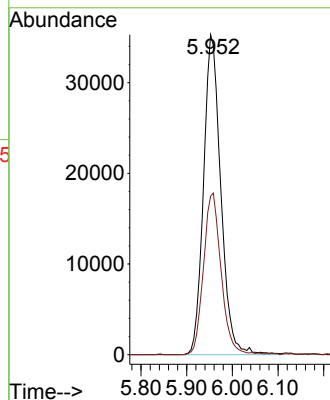
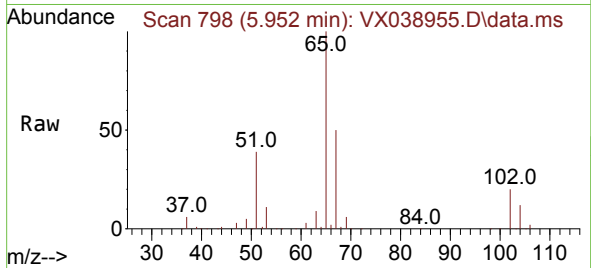




#33
1,2-Dichloroethane-d4
Concen: 51.312 ug/l
RT: 5.952 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX038955.D
Acq: 20 Nov 2023 13:56

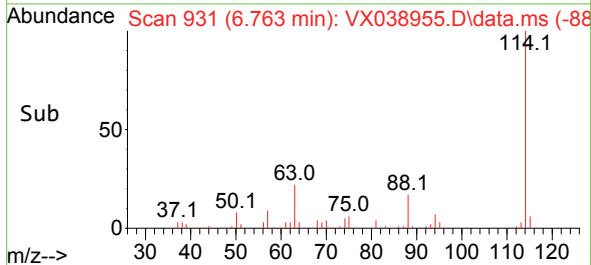
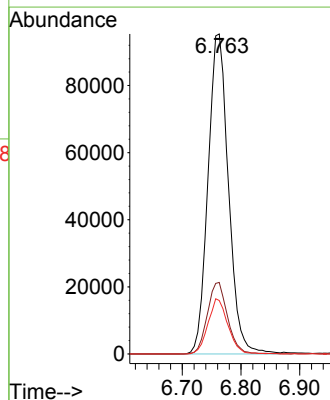
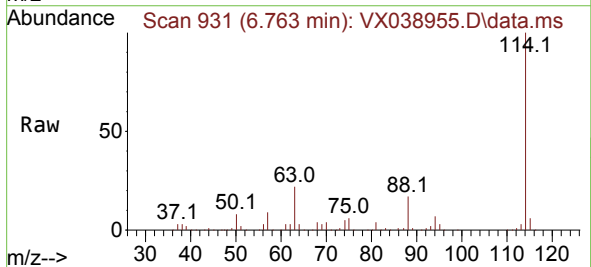
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20231109

Tgt Ion: 65 Resp: 92895
Ion Ratio Lower Upper
65 100
67 51.3 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX038955.D
Acq: 20 Nov 2023 13:56

Tgt Ion: 114 Resp: 230669
Ion Ratio Lower Upper
114 100
63 22.4 0.0 45.0
88 16.7 0.0 36.6





#35

Dibromofluoromethane

Concen: 44.569 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX038955.D

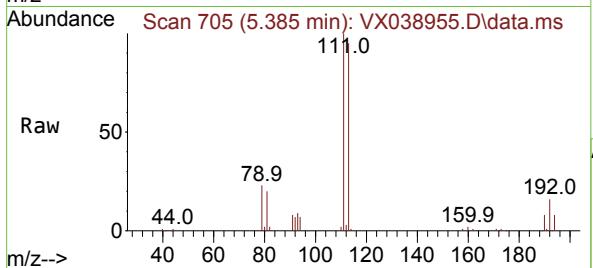
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Instrument :

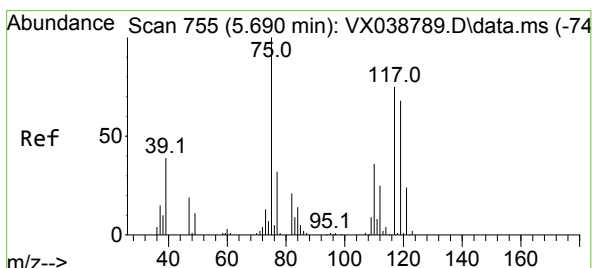
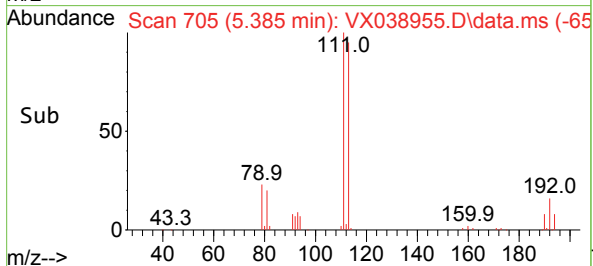
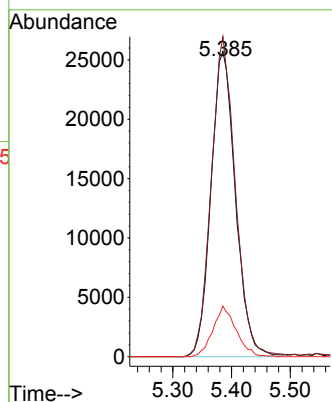
MSVOA_X

ClientSampleId :

DUP02-20231109



Tgt Ion:	113	Resp:	74249
Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.9	124.3
192	15.7	13.3	19.9



#36

1,1-Dichloropropene

Concen: 4.426 ug/l

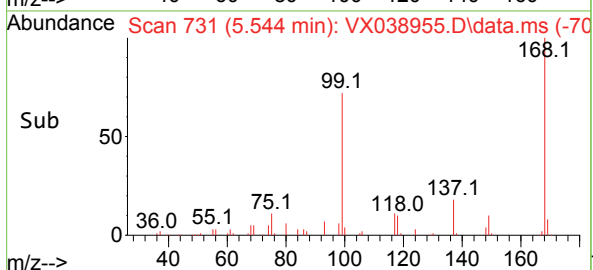
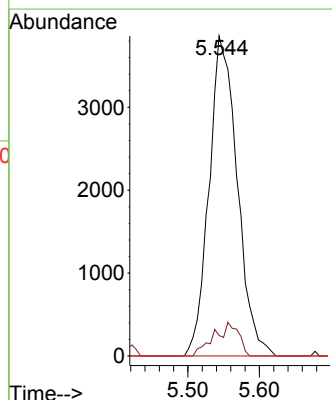
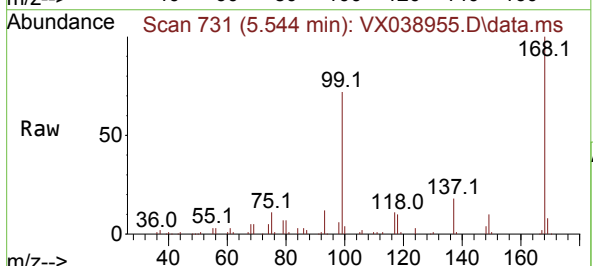
RT: 5.544 min Scan# 731

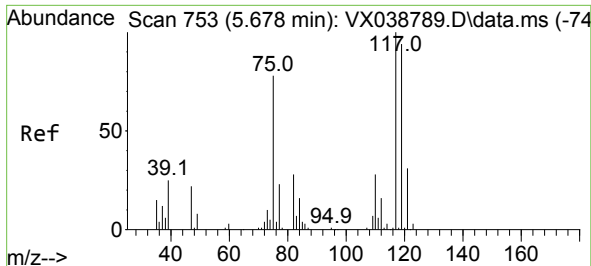
Delta R.T. -0.146 min

Lab File: VX038955.D

Acq: 20 Nov 2023 13:56

Tgt Ion:	75	Resp:	10567
Ion	Ratio	Lower	Upper
75	100		
110	9.2	17.0	50.9#
77	0.0	24.7	37.1#

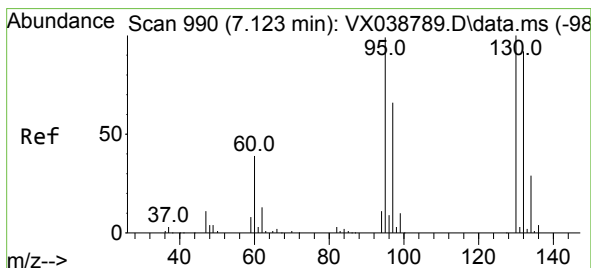
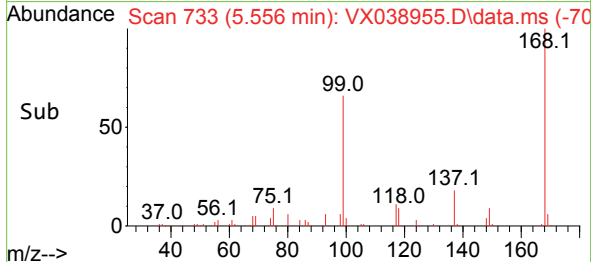
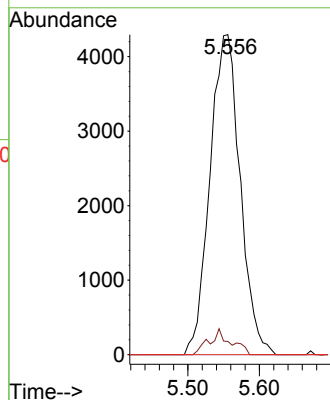
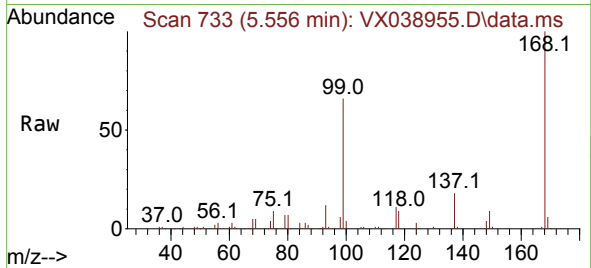




#38
Carbon Tetrachloride
Concen: 5.706 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX038955.D
Acq: 20 Nov 2023 13:56

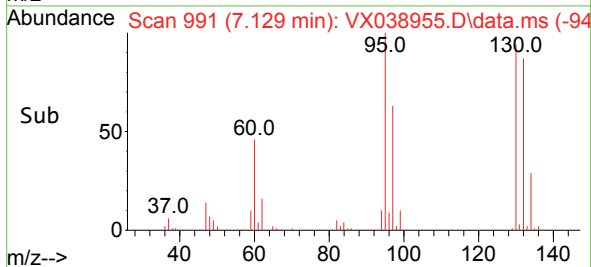
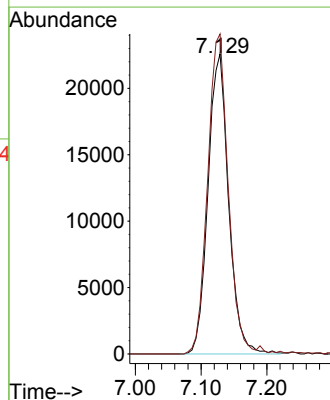
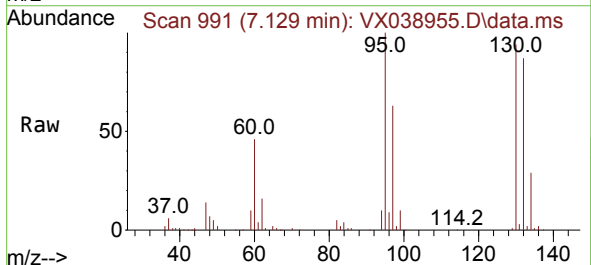
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20231109

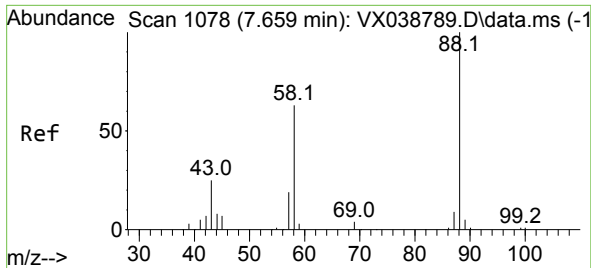
Tgt Ion:117 Resp: 12591
Ion Ratio Lower Upper
117 100
119 4.1 78.2 117.2#
121 0.0 24.4 36.6#



#44
Trichloroethene
Concen: 28.646 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX038955.D
Acq: 20 Nov 2023 13:56

Tgt Ion:130 Resp: 49242
Ion Ratio Lower Upper
130 100
95 106.6 0.0 204.4

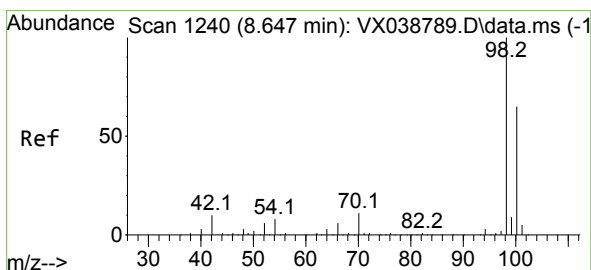
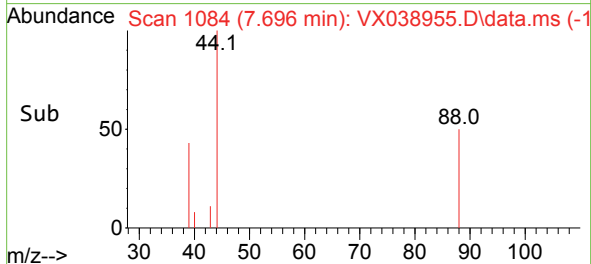
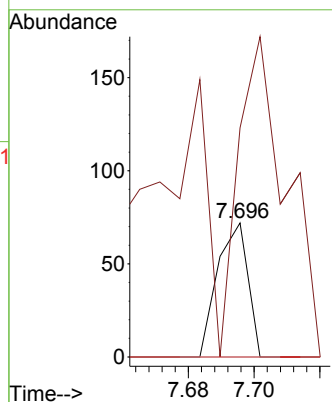
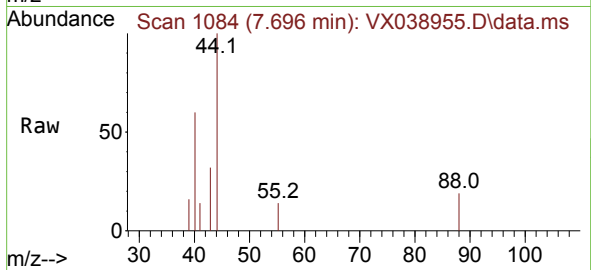




#49
1,4-Dioxane
Concen: 0.986 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.037 min
Lab File: VX038955.D
Acq: 20 Nov 2023 13:56

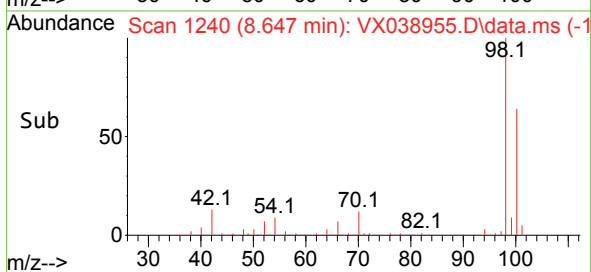
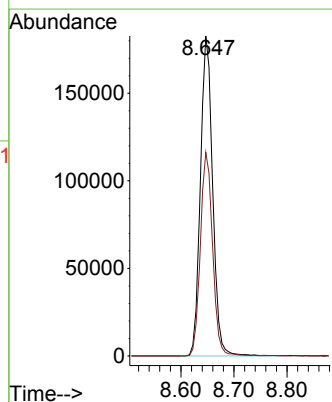
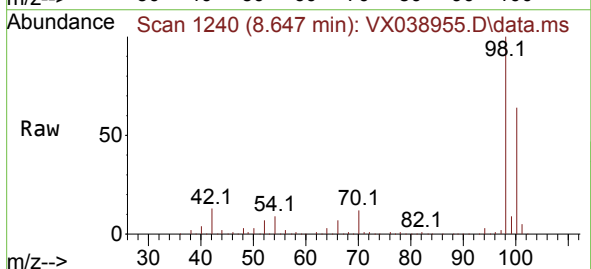
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20231109

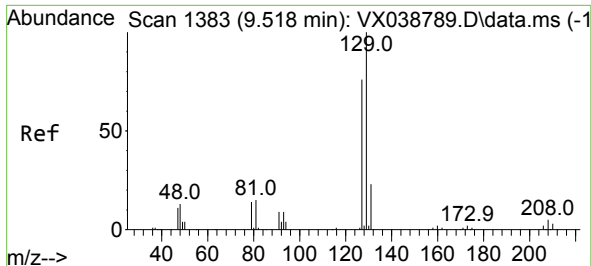
Tgt Ion: 88 Resp: 46
Ion Ratio Lower Upper
88 100
43 378.3 0.0 0.0#
58 0.0 60.1 90.1#



#50
Toluene-d8
Concen: 45.985 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX038955.D
Acq: 20 Nov 2023 13:56

Tgt Ion: 98 Resp: 293106
Ion Ratio Lower Upper
98 100
100 63.7 53.1 79.7

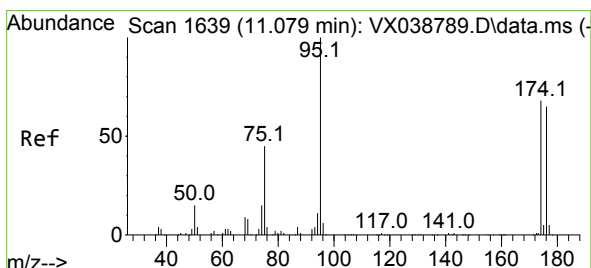
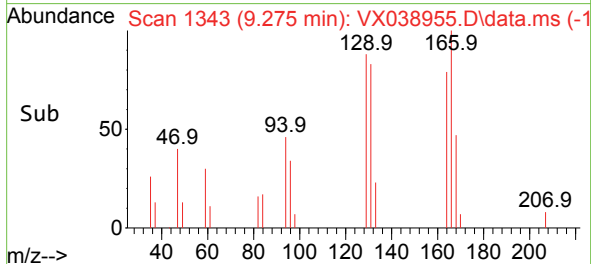
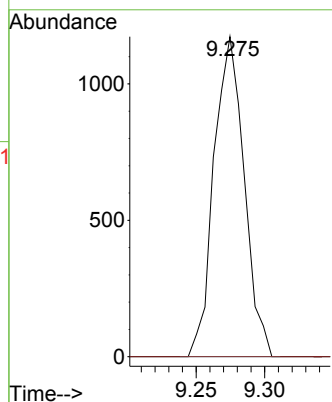
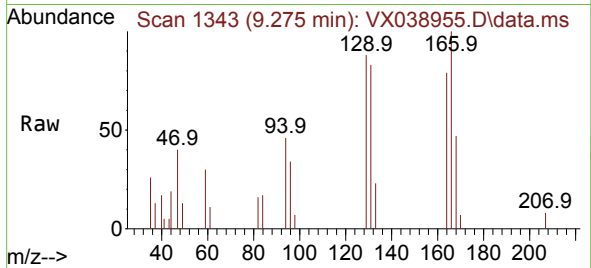




#60
Dibromochloromethane
Concen: 0.969 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX038955.D
Acq: 20 Nov 2023 13:56

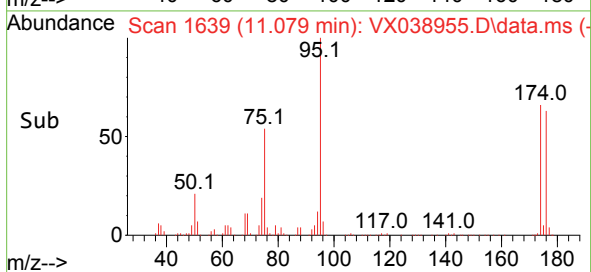
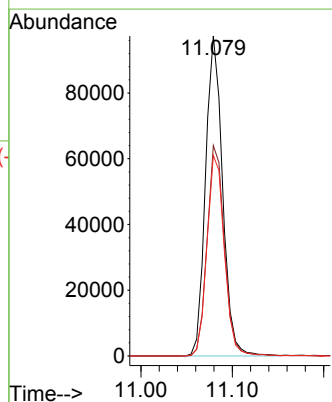
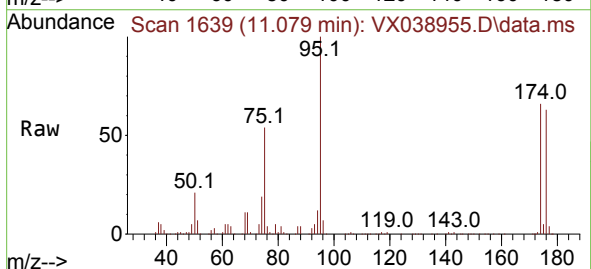
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20231109

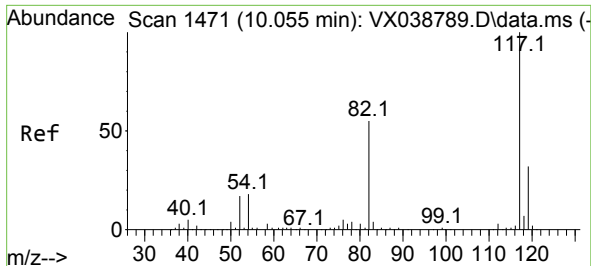
Tgt Ion:129 Resp: 1801
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 49.288 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038955.D
Acq: 20 Nov 2023 13:56

Tgt Ion: 95 Resp: 125762
Ion Ratio Lower Upper
95 100
174 67.0 0.0 135.6
176 63.9 0.0 131.0

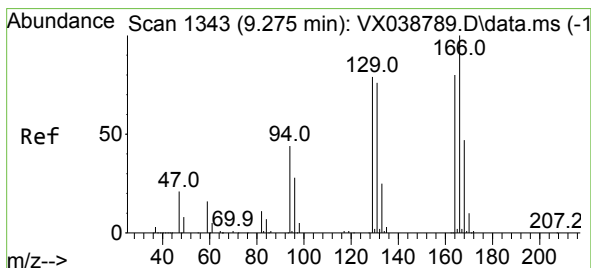
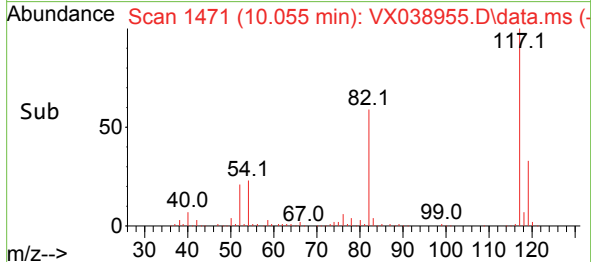
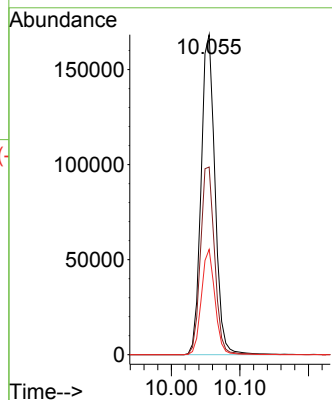
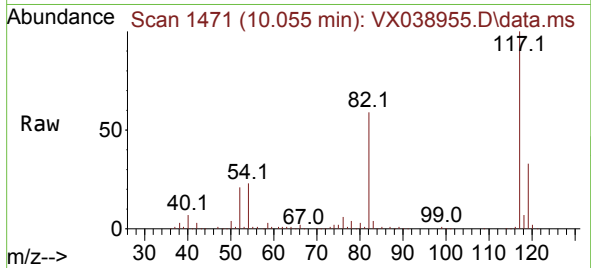




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038955.D
Acq: 20 Nov 2023 13:56

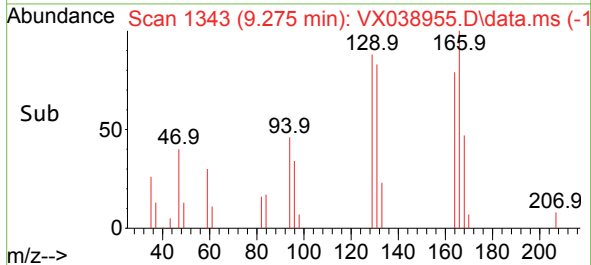
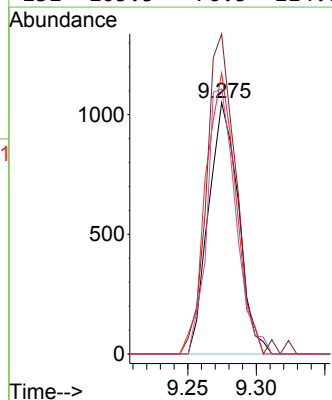
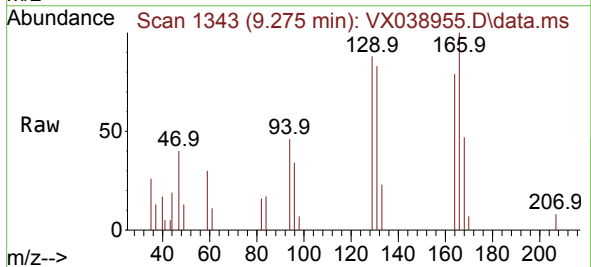
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20231109

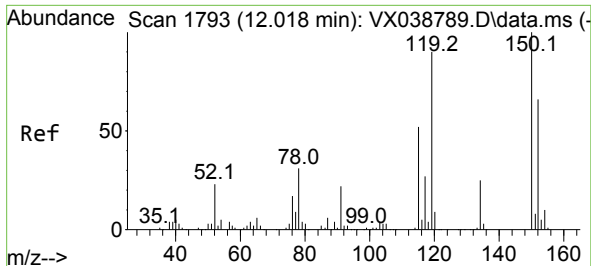
Tgt Ion:117 Resp: 237966
Ion Ratio Lower Upper
117 100
82 58.7 46.2 69.4
119 32.9 25.5 38.3



#64
Tetrachloroethene
Concen: 1.075 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX038955.D
Acq: 20 Nov 2023 13:56

Tgt Ion:164 Resp: 1590
Ion Ratio Lower Upper
164 100
166 127.3 102.7 154.1
129 111.7 80.4 120.6
131 105.5 76.5 114.7

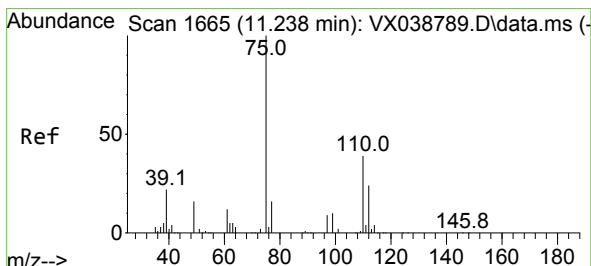
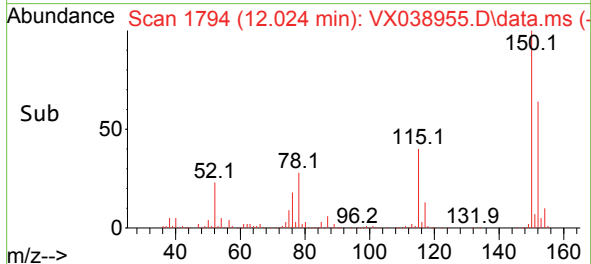
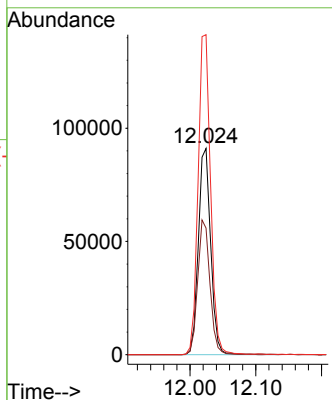
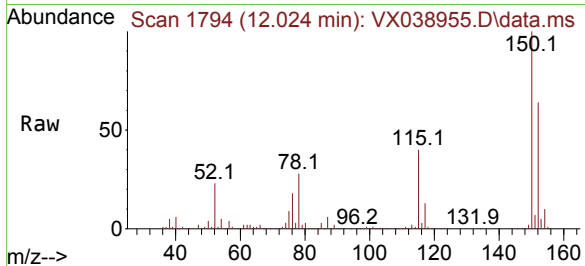




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX038955.D
 Acq: 20 Nov 2023 13:56

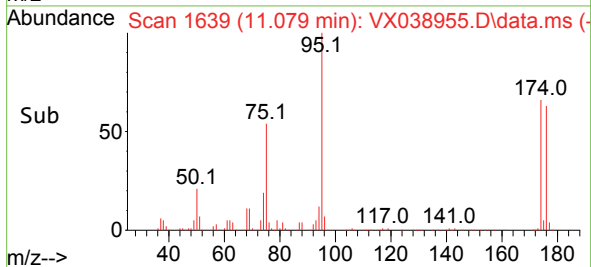
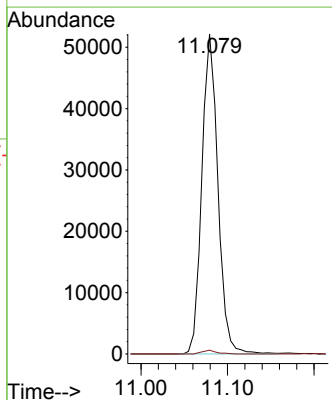
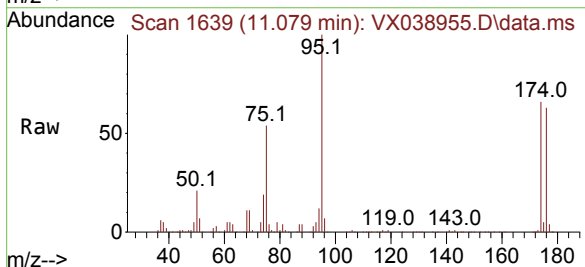
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP02-20231109

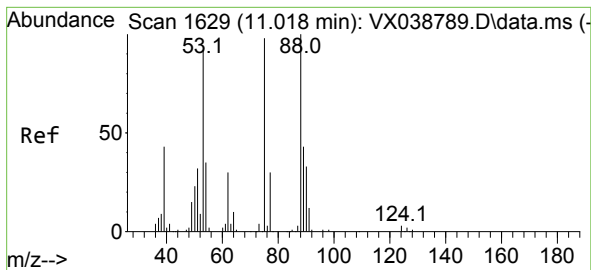
Tgt Ion:152 Resp: 119040
 Ion Ratio Lower Upper
 152 100
 115 64.8 43.3 129.9
 150 156.5 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 22.622 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX038955.D
 Acq: 20 Nov 2023 13:56

Tgt Ion: 75 Resp: 67189
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 50.179 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX038955.D
 Acq: 20 Nov 2023 13:56

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP02-20231109

Tgt Ion: 75 Resp: 67189
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

