

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111023\
 Data File : VX038738.D
 Acq On : 10 Nov 2023 18:52
 Operator : JC/MD
 Sample : 05358-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP03-20231108

Quant Time: Nov 11 01:58:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110723W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 08 03:19:07 2023
 Response via : Initial Calibration

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

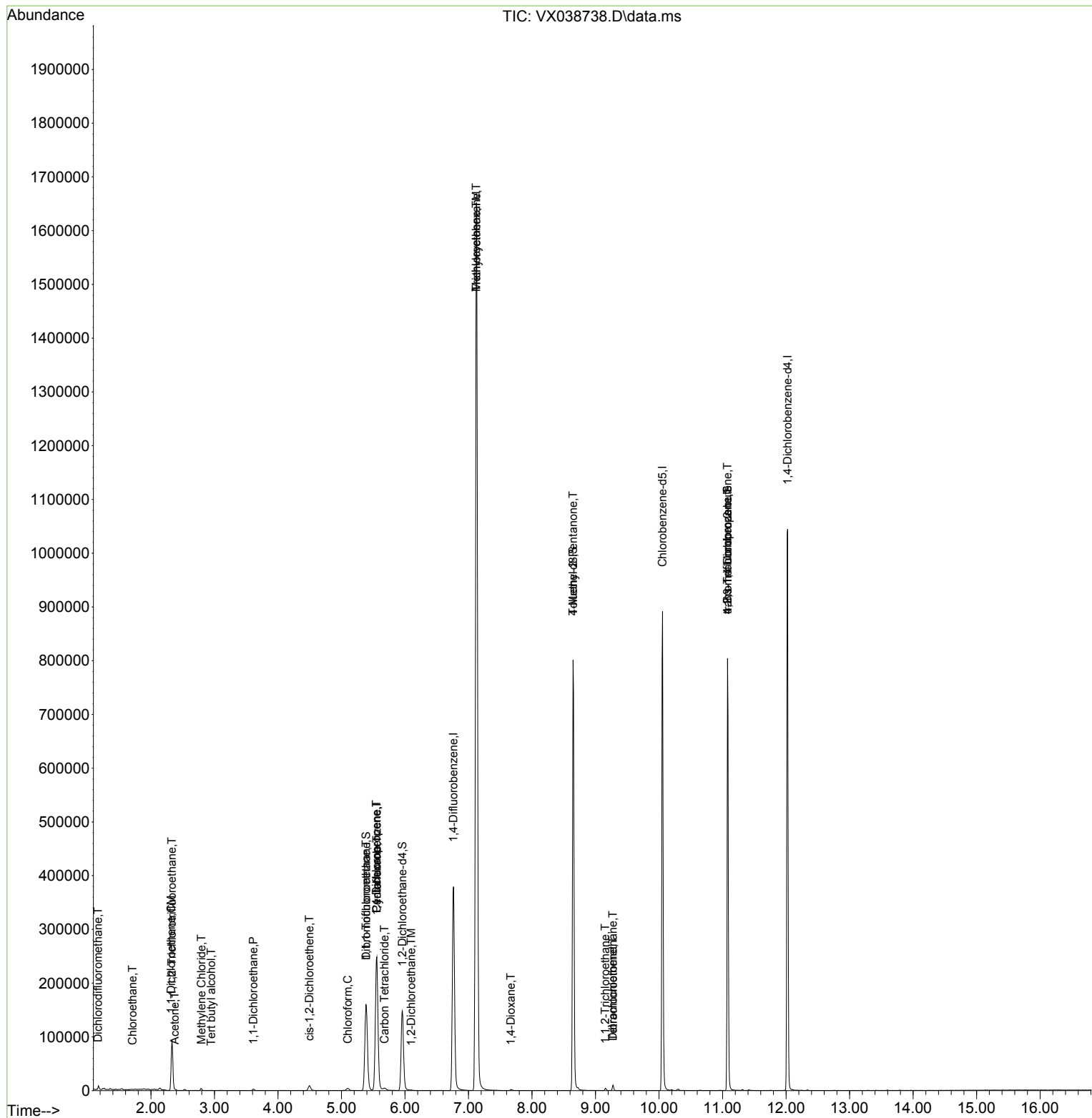
Internal Standards						
1) Pentafluorobenzene	5.556	168	259176	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	431939	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	443724	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	249166	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	150194	46.548	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.100%
35) Dibromofluoromethane	5.385	113	141711	45.552	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.100%
50) Toluene-d8	8.647	98	512727	46.058	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.120%
62) 4-Bromofluorobenzene	11.079	95	215100	49.837	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.680%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	2850	1.059	ug/l	97
6) Chloroethane	1.709	64	835	0.532	ug/l	# 43
9) 1,1,2-Trichlorotrifluo...	2.331	101	31264	12.384	ug/l	90
11) Tert butyl alcohol	2.946	59	206	0.312	ug/l	# 78
12) 1,1-Dichloroethene	2.319	96	6597	2.727	ug/l	# 76
16) Acetone	2.373	43	1302	0.958	ug/l	93
20) Methylene Chloride	2.794	84	1718	0.627	ug/l	# 73
24) 1,1-Dichloroethane	3.611	63	2971	0.688	ug/l	96
27) cis-1,2-Dichloroethene	4.495	96	6475	2.129	ug/l	74
30) Chloroform	5.099	83	5403	1.066	ug/l	97
31) Cyclohexane	5.556	56	4380	1.227	ug/l	# 1
32) 1,1,1-Trichloroethane	5.385	97	1431	0.321	ug/l	# 50
36) 1,1-Dichloropropene	5.550	75	16880	4.368	ug/l	# 52
38) Carbon Tetrachloride	5.678	117	3385	0.784	ug/l	95
39) Methylcyclohexane	7.123	83	7105	1.471	ug/l	# 1
42) 1,2-Dichloroethane	6.098	62	934	0.233	ug/l	# 77
44) Trichloroethene	7.123	130	699894	202.096	ug/l	92
49) 1,4-Dioxane	7.665	88	1726	25.936	ug/l	# 86
51) 4-Methyl-2-Pentanone	8.647	43	1679	0.425	ug/l	# 1
55) 1,1,2-Trichloroethane	9.153	97	1426	0.461	ug/l	# 91
60) Dibromochloromethane	9.275	129	1822	0.525	ug/l	# 11
64) Tetrachloroethene	9.275	164	2041	0.614	ug/l	87
76) 1,2,3-Trichloropropane	11.079	75	103654	21.005	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	103654	63.847	ug/l	# 5

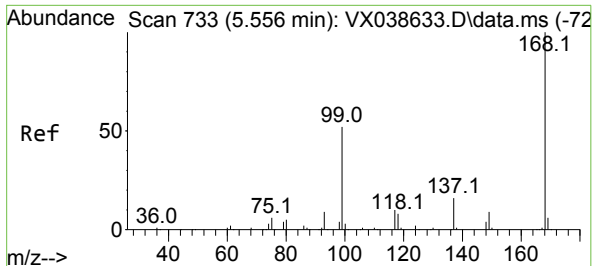
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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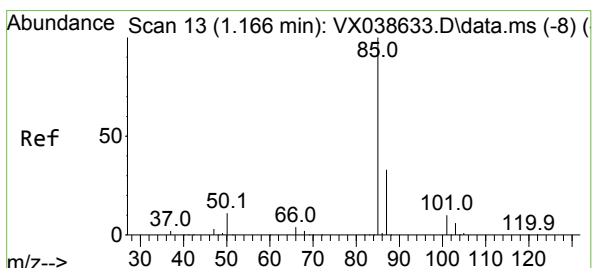
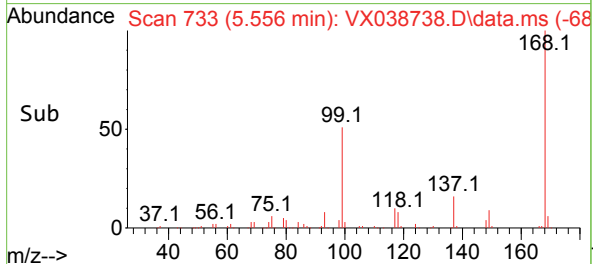
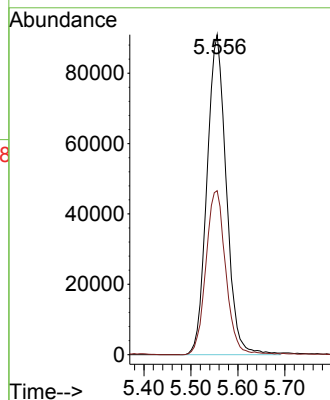
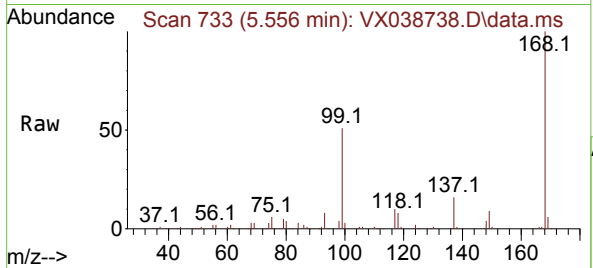




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038738.D
Acq: 10 Nov 2023 18:52

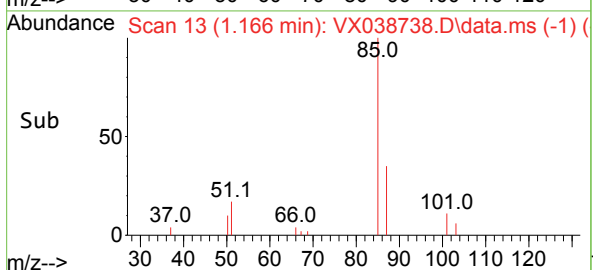
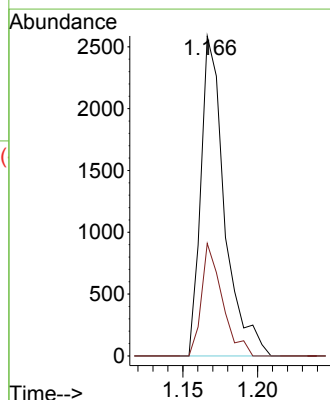
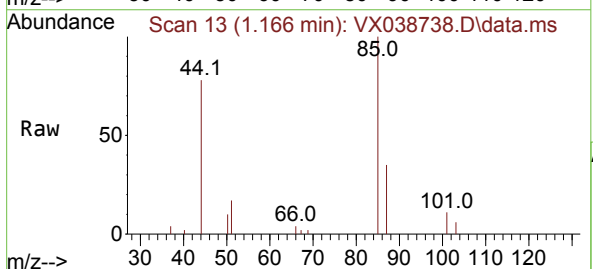
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20231108

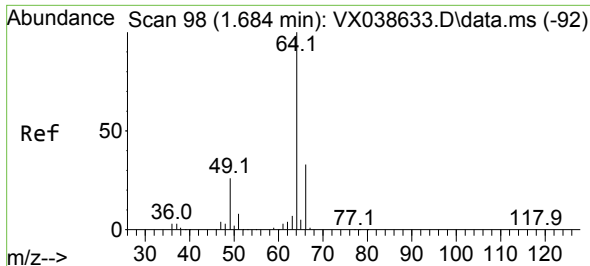
Tgt Ion:168 Resp: 259176
Ion Ratio Lower Upper
168 100
99 51.3 56.6 85.0#



#2
Dichlorodifluoromethane
Concen: 1.059 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX038738.D
Acq: 10 Nov 2023 18:52

Tgt Ion: 85 Resp: 2850
Ion Ratio Lower Upper
85 100
87 35.1 16.7 50.1

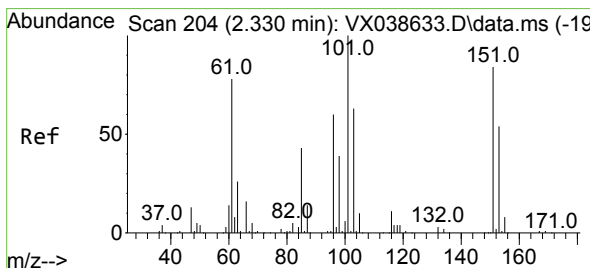
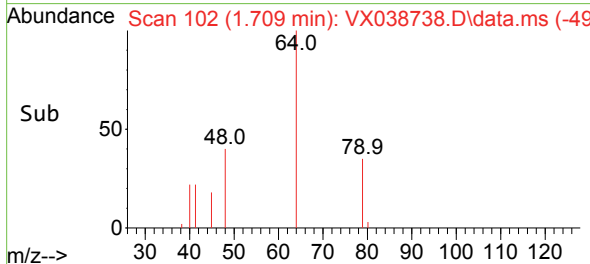
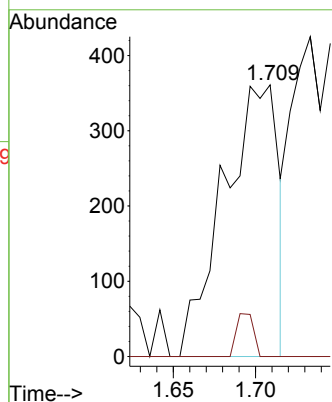
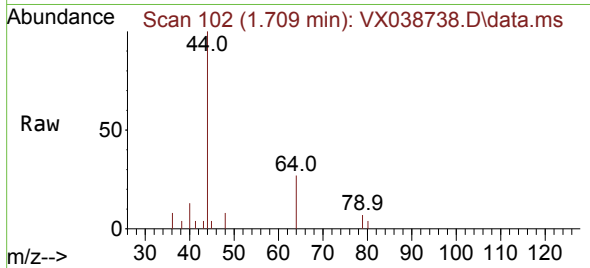




#6
Chloroethane
Concen: 0.532 ug/l
RT: 1.709 min Scan# 102
Delta R.T. 0.025 min
Lab File: VX038738.D
Acq: 10 Nov 2023 18:52

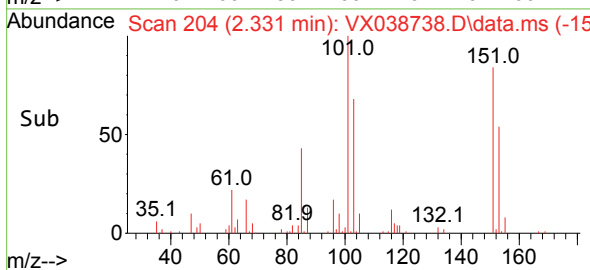
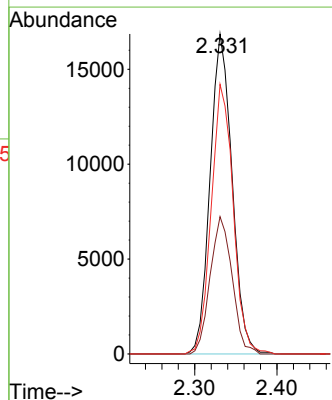
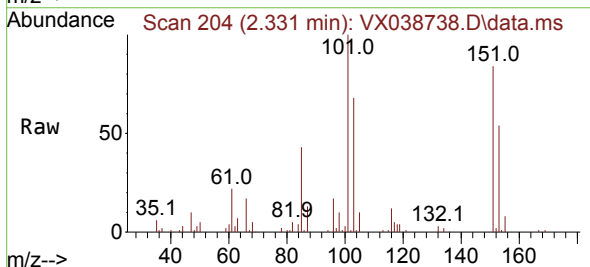
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20231108

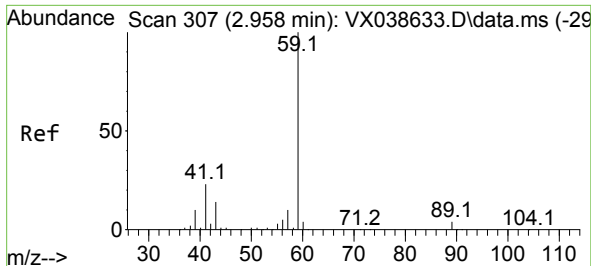
Tgt Ion: 64 Resp: 835
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 12.384 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX038738.D
Acq: 10 Nov 2023 18:52

Tgt Ion: 101 Resp: 31264
Ion Ratio Lower Upper
101 100
85 42.8 37.0 55.6
151 84.2 58.6 87.8





#11

Tert butyl alcohol

Concen: 0.312 ug/l

RT: 2.946 min Scan# 307

Delta R.T. -0.012 min

Lab File: VX038738.D

Acq: 10 Nov 2023 18:52

Instrument :

MSVOA_X

ClientSampleId :

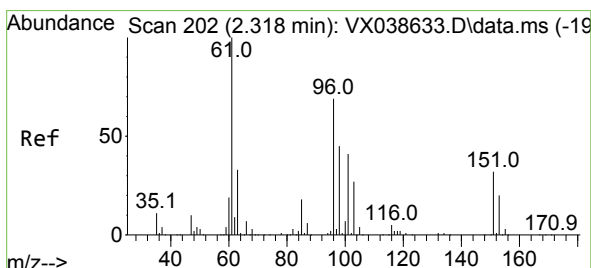
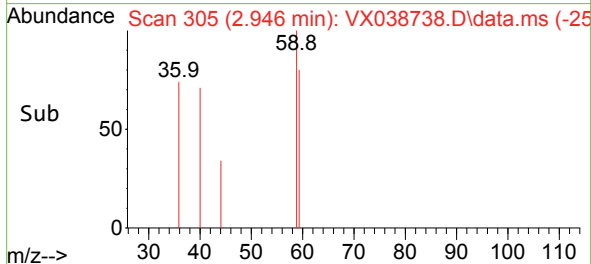
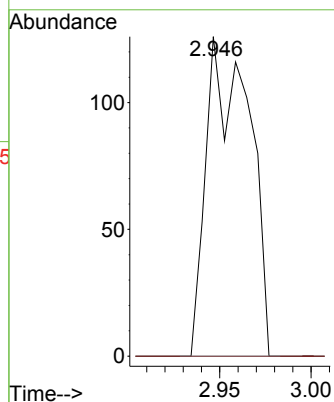
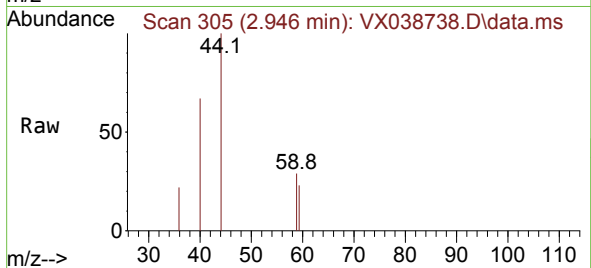
DUP03-20231108

Tgt Ion: 59 Resp: 206

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#12

1,1-Dichloroethene

Concen: 2.727 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.000 min

Lab File: VX038738.D

Acq: 10 Nov 2023 18:52

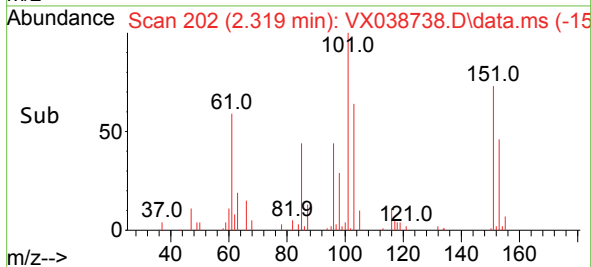
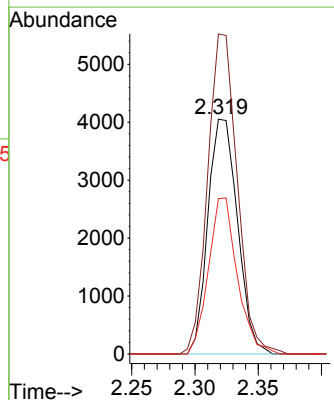
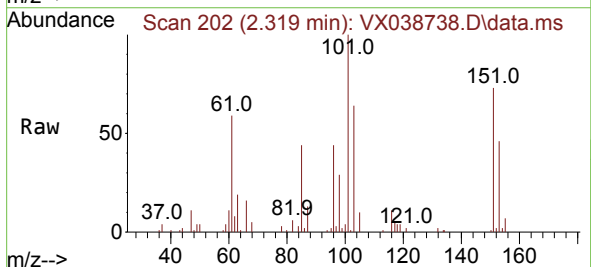
Tgt Ion: 96 Resp: 6597

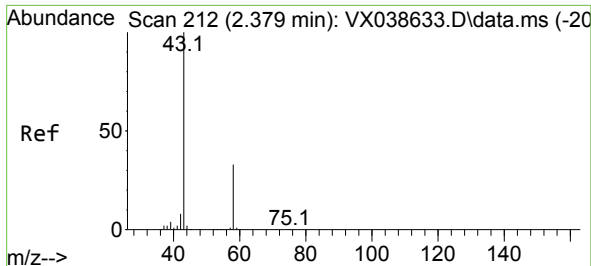
Ion Ratio Lower Upper

96 100

61 136.4 144.6 216.8#

98 66.2 50.4 75.6

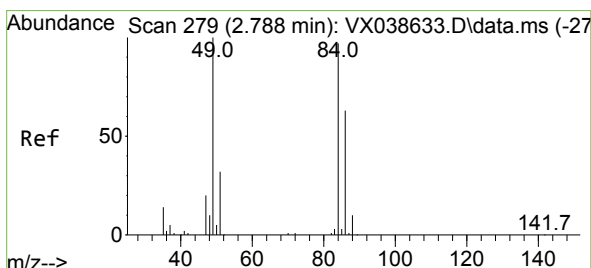
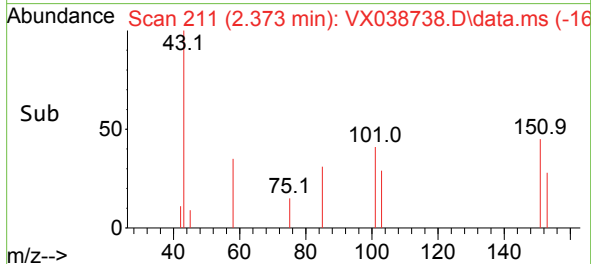
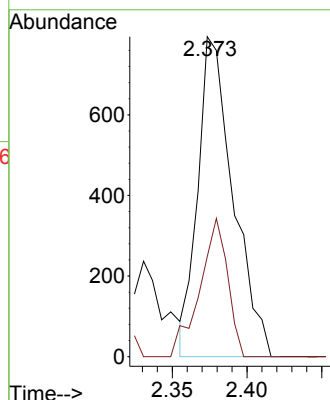
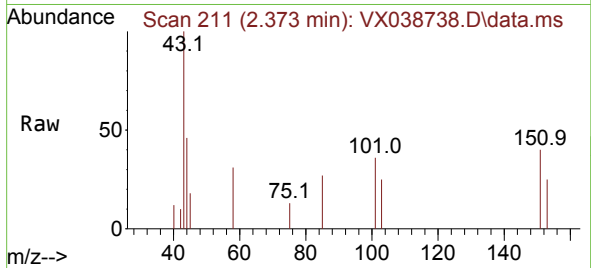




#16
Acetone
Concen: 0.958 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX038738.D
Acq: 10 Nov 2023 18:52

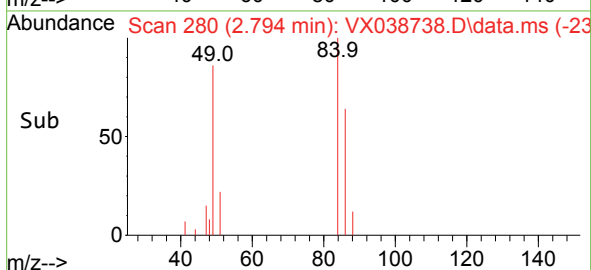
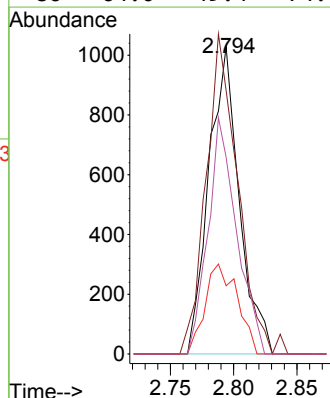
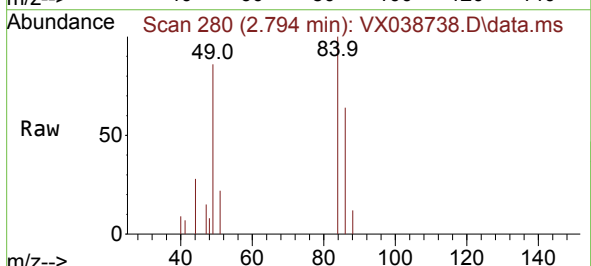
Instrument :
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ClientSampleId :
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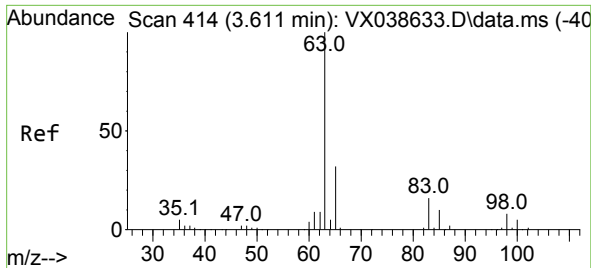
Tgt Ion: 43 Resp: 1302
Ion Ratio Lower Upper
43 100
58 31.2 21.9 32.9



#20
Methylene Chloride
Concen: 0.627 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX038738.D
Acq: 10 Nov 2023 18:52

Tgt Ion: 84 Resp: 1718
Ion Ratio Lower Upper
84 100
49 85.8 103.6 155.4#
51 22.2 33.8 50.6#
86 64.0 49.4 74.0



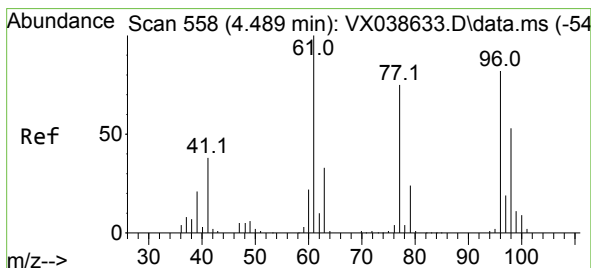
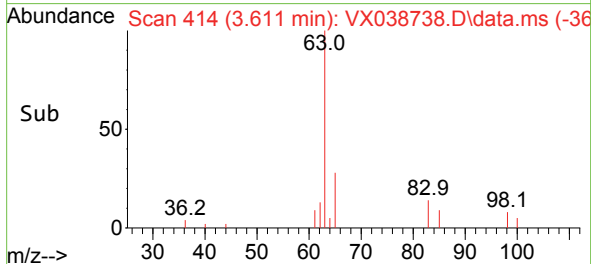
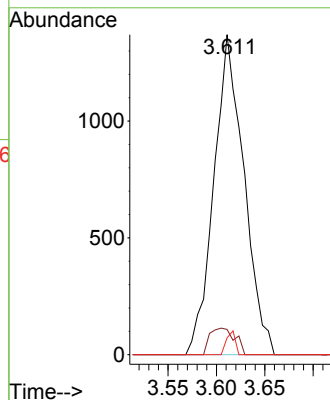
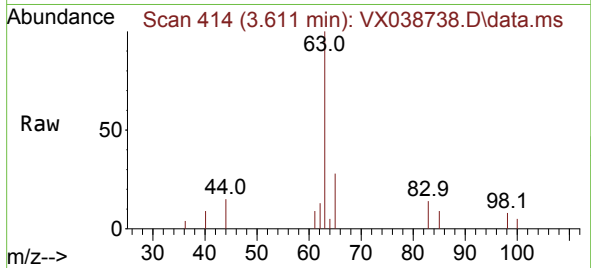


#24
1,1-Dichloroethane
Concen: 0.688 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX038738.D
Acq: 10 Nov 2023 18:52

Instrument :
MSVOA_X
ClientSampleId :
DUP03-20231108

Tgt Ion: 63 Resp: 2971

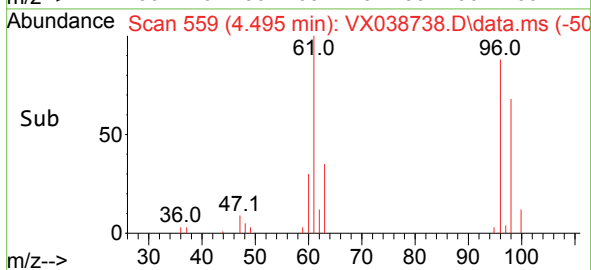
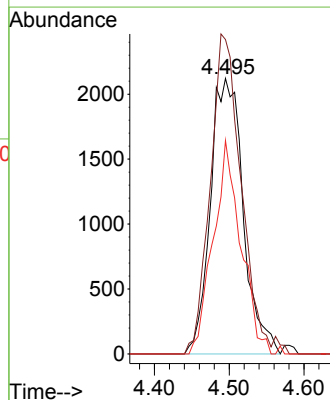
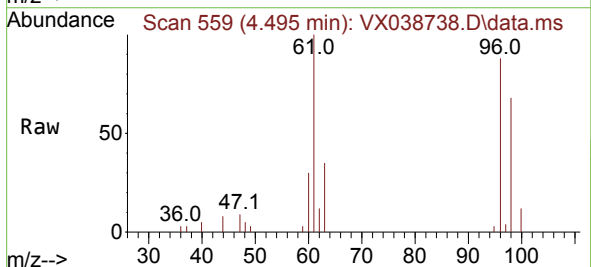
Ion	Ratio	Lower	Upper
63	100		
98	7.9	3.3	9.8
100	5.3	2.1	6.5

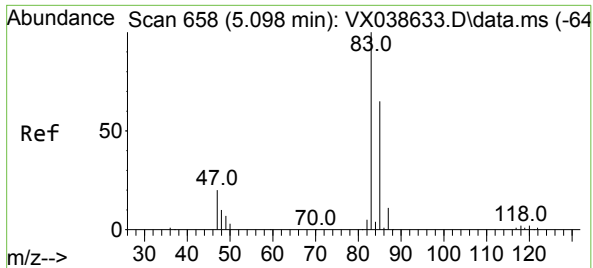


#27
cis-1,2-Dichloroethene
Concen: 2.129 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX038738.D
Acq: 10 Nov 2023 18:52

Tgt Ion: 96 Resp: 6475

Ion	Ratio	Lower	Upper
96	100		
61	108.4	0.0	312.2
98	65.3	0.0	129.0

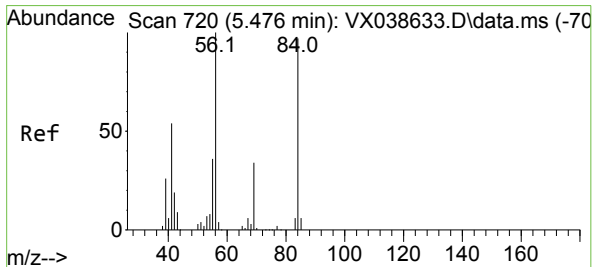
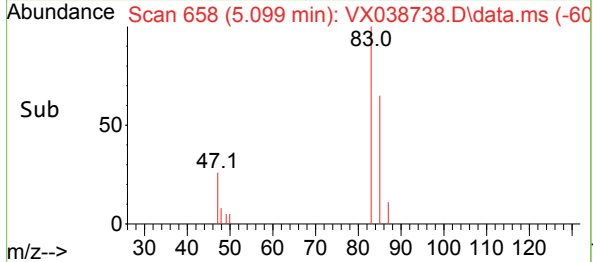
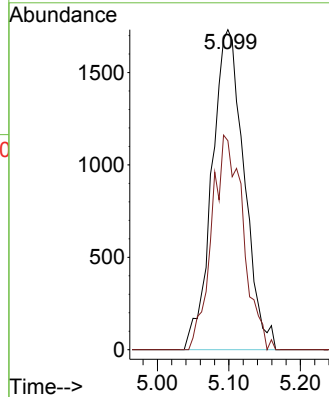
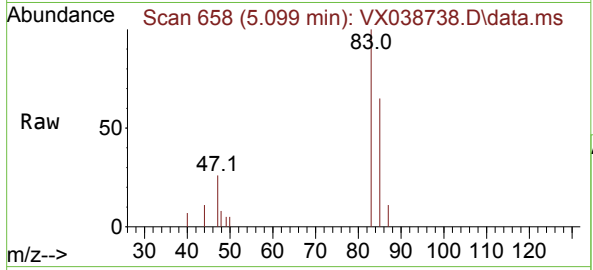




#30
Chloroform
Concen: 1.066 ug/l
RT: 5.099 min Scan# 610
Delta R.T. 0.000 min
Lab File: VX038738.D
Acq: 10 Nov 2023 18:52

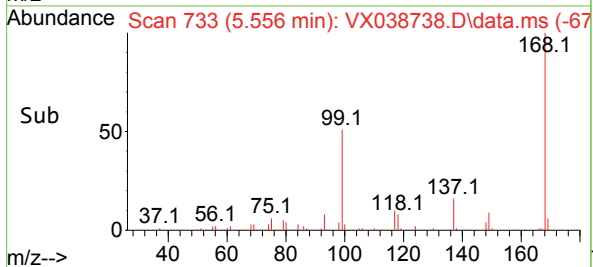
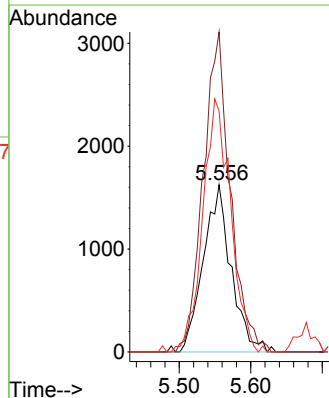
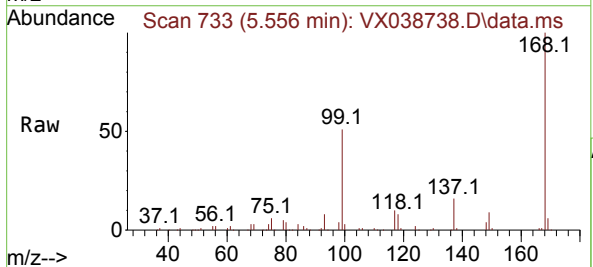
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20231108

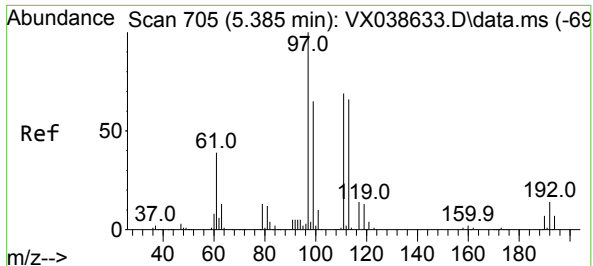
Tgt Ion: 83 Resp: 5403
Ion Ratio Lower Upper
83 100
85 65.3 50.3 75.5



#31
Cyclohexane
Concen: 1.227 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX038738.D
Acq: 10 Nov 2023 18:52

Tgt Ion: 56 Resp: 4380
Ion Ratio Lower Upper
56 100
69 191.4 23.4 35.2#
84 143.9 65.9 98.9#





#32

1,1,1-Trichloroethane

Concen: 0.321 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX038738.D

Acq: 10 Nov 2023 18:52

Instrument :

MSVOA_X

ClientSampleId :

DUP03-20231108

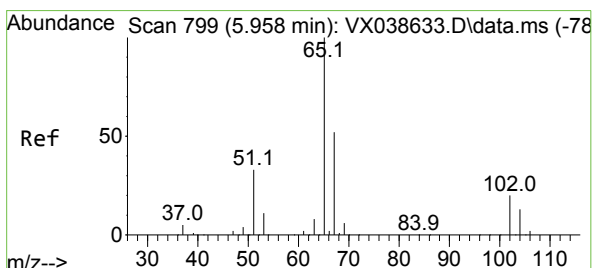
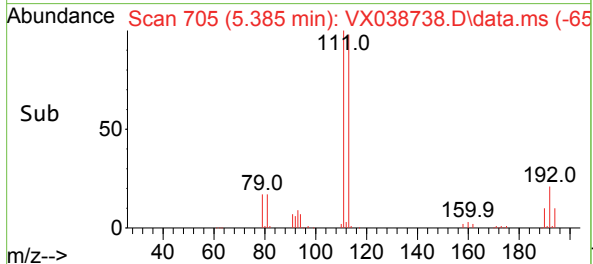
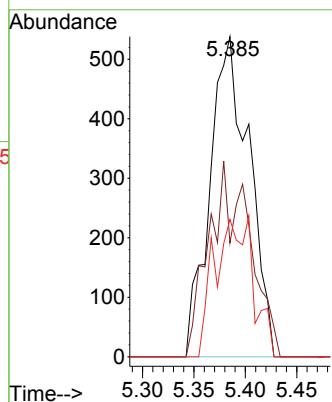
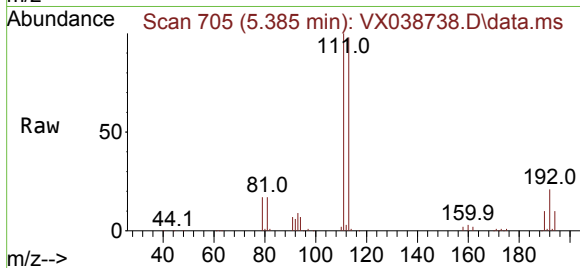
Tgt Ion: 97 Resp: 1431

Ion Ratio Lower Upper

97 100

99 0.0 51.1 76.7#

61 42.3 36.4 54.6



#33

1,2-Dichloroethane-d4

Concen: 46.548 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX038738.D

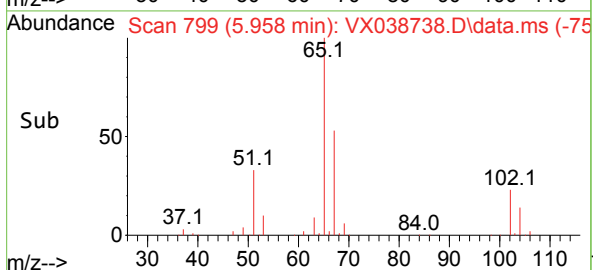
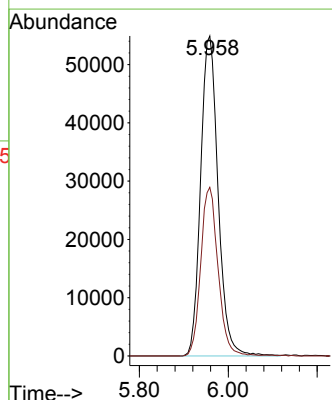
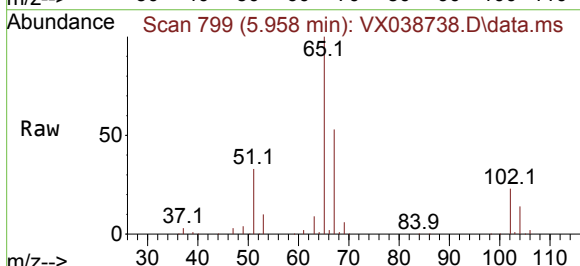
Acq: 10 Nov 2023 18:52

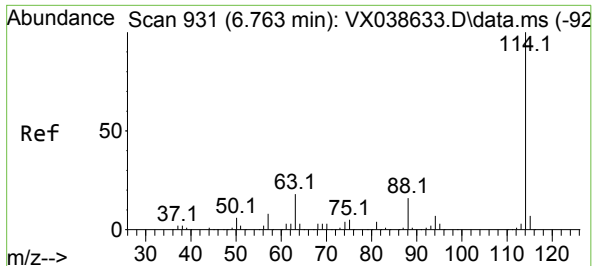
Tgt Ion: 65 Resp: 150194

Ion Ratio Lower Upper

65 100

67 52.2 0.0 100.2

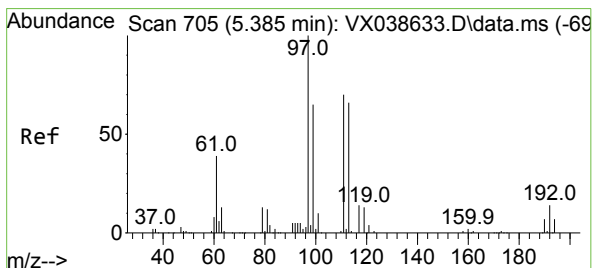
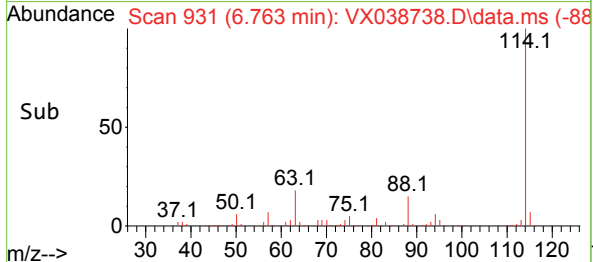
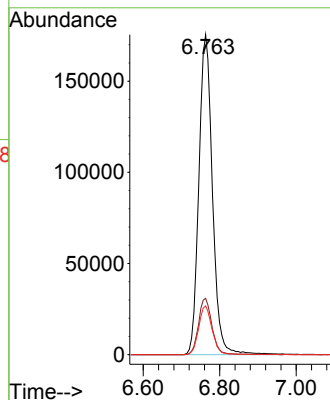
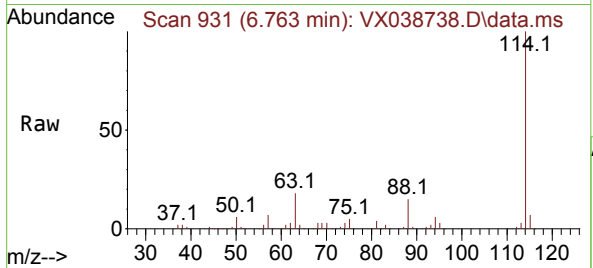




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX038738.D
Acq: 10 Nov 2023 18:52

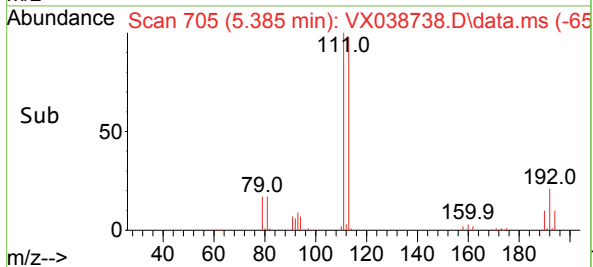
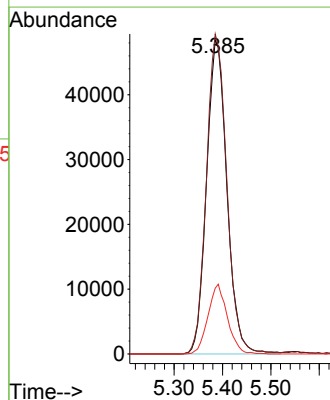
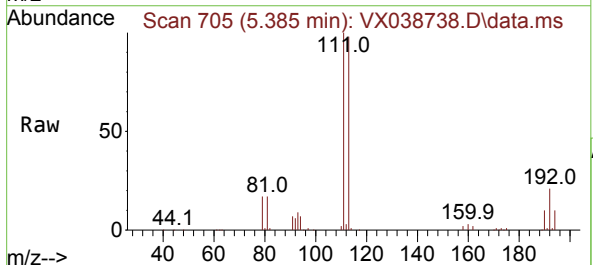
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20231108

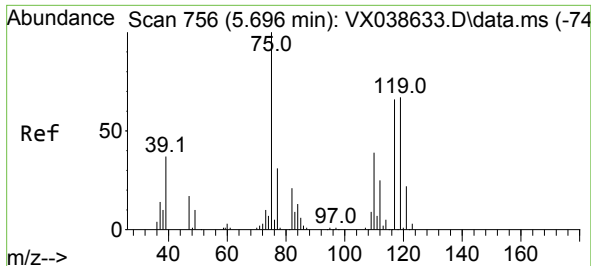
Tgt Ion:114 Resp: 431939
Ion Ratio Lower Upper
114 100
63 17.6 0.0 45.0
88 15.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.552 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038738.D
Acq: 10 Nov 2023 18:52

Tgt Ion:113 Resp: 141711
Ion Ratio Lower Upper
113 100
111 102.5 82.9 124.3
192 21.2 13.3 19.9#

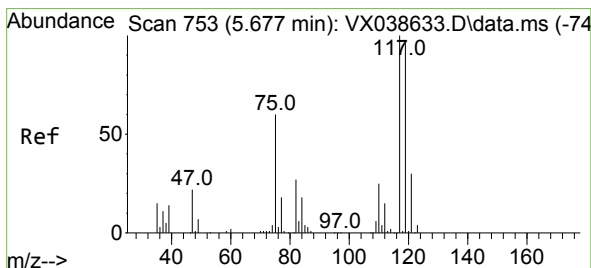
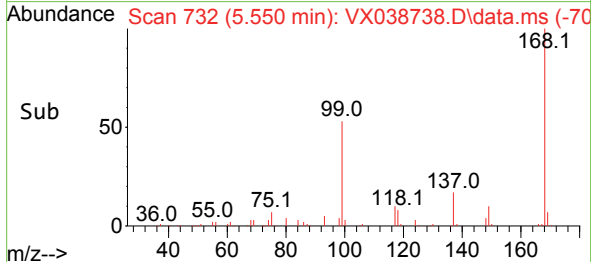
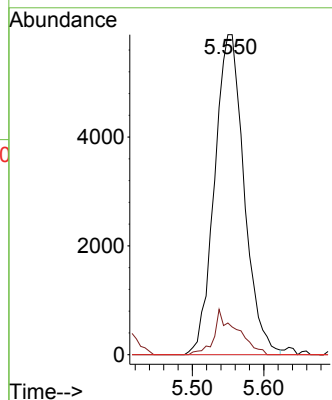
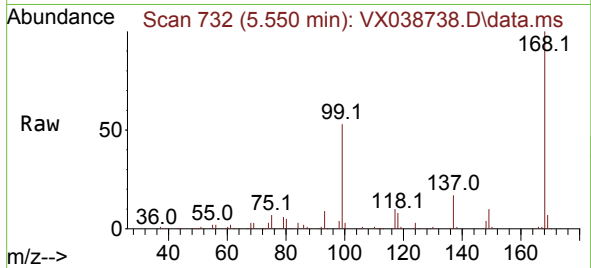




#36
1,1-Dichloropropene
Concen: 4.368 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX038738.D
Acq: 10 Nov 2023 18:52

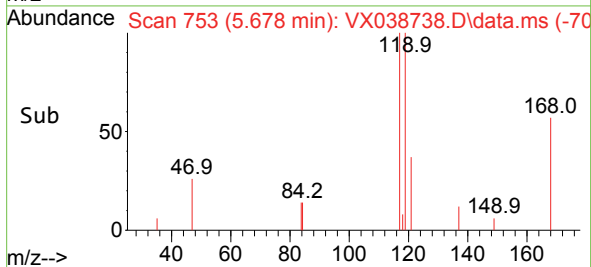
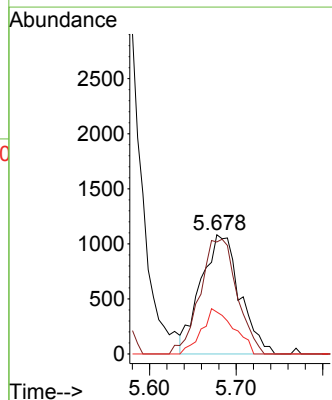
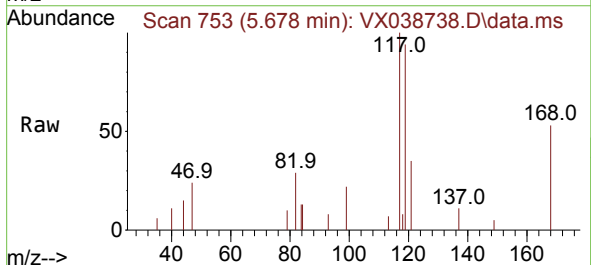
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20231108

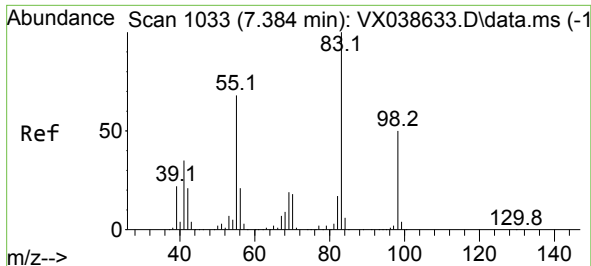
Tgt Ion: 75 Resp: 16880
Ion Ratio Lower Upper
75 100
110 10.9 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 0.784 ug/l
RT: 5.678 min Scan# 753
Delta R.T. 0.000 min
Lab File: VX038738.D
Acq: 10 Nov 2023 18:52

Tgt Ion: 117 Resp: 3385
Ion Ratio Lower Upper
117 100
119 94.0 78.2 117.2
121 35.2 24.4 36.6





#39

Methylcyclohexane

Concen: 1.471 ug/l

RT: 7.123 min Scan# 91

Delta R.T. -0.262 min

Lab File: VX038738.D

Acq: 10 Nov 2023 18:52

Instrument :

MSVOA_X

ClientSampleId :

DUP03-20231108

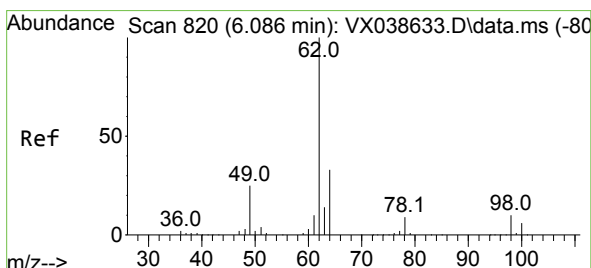
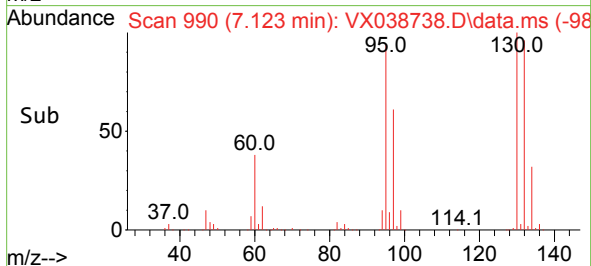
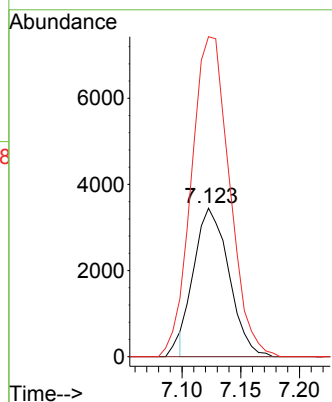
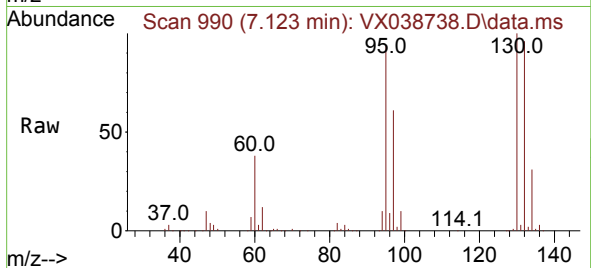
Tgt Ion: 83 Resp: 7105

Ion Ratio Lower Upper

83 100

55 0.0 64.6 97.0#

98 215.6 36.7 55.1#



#42

1,2-Dichloroethane

Concen: 0.233 ug/l

RT: 6.098 min Scan# 822

Delta R.T. 0.012 min

Lab File: VX038738.D

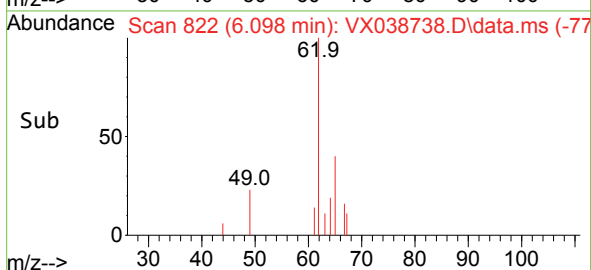
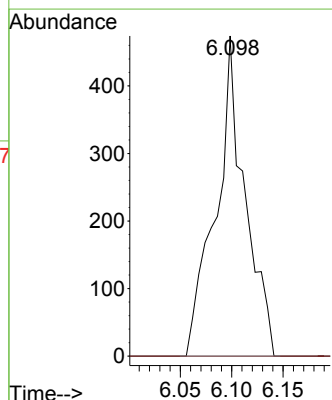
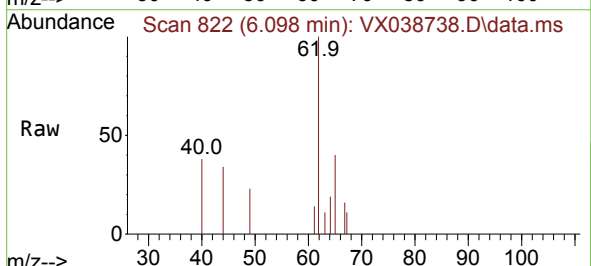
Acq: 10 Nov 2023 18:52

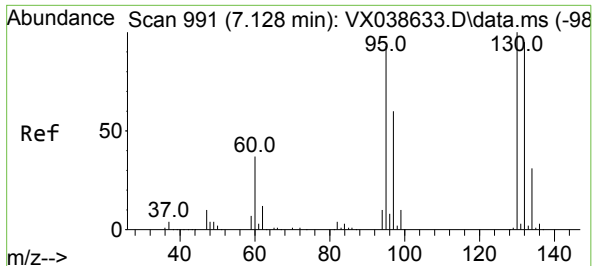
Tgt Ion: 62 Resp: 934

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.0

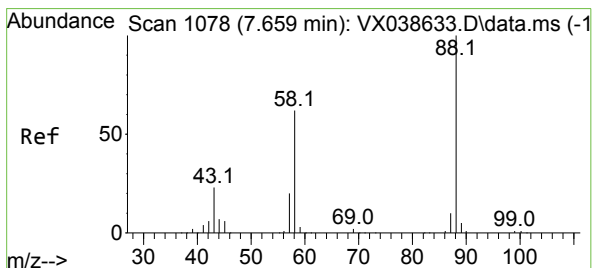
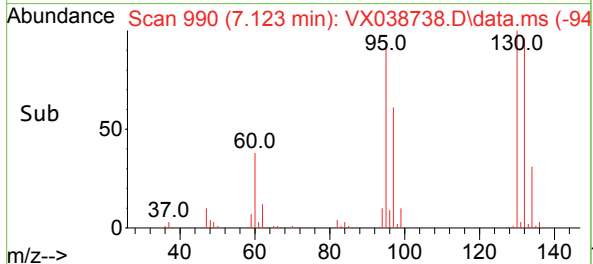
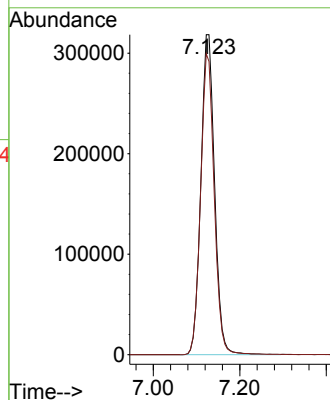
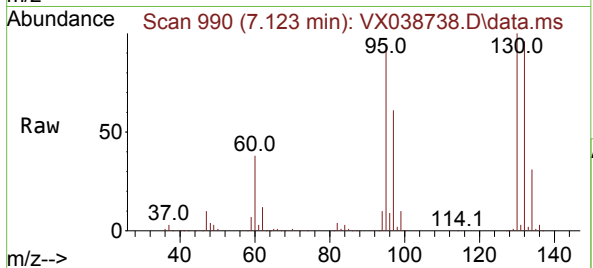




#44
Trichloroethene
Concen: 202.096 ug/l
RT: 7.123 min Scan# 991
Delta R.T. -0.006 min
Lab File: VX038738.D
Acq: 10 Nov 2023 18:52

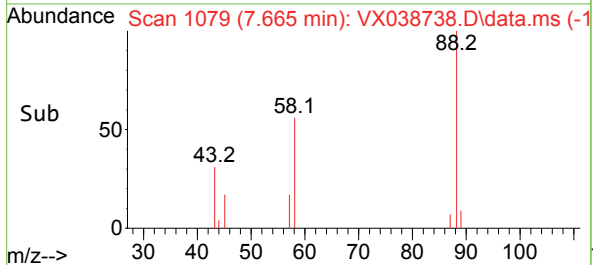
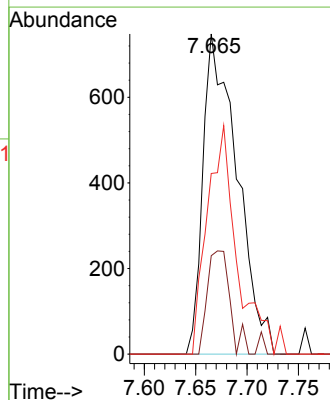
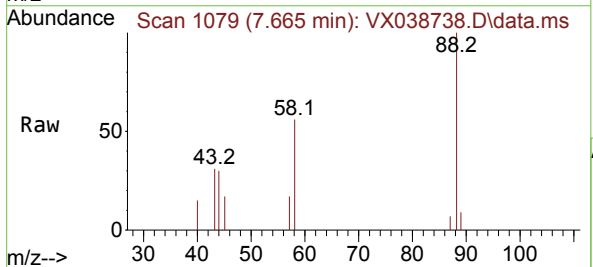
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20231108

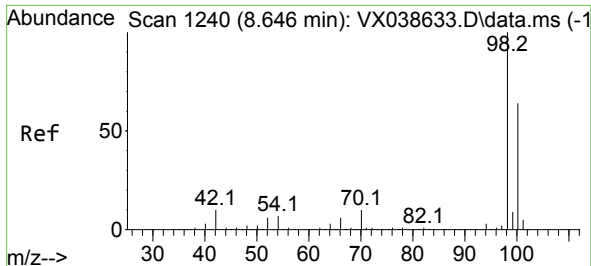
Tgt Ion:130 Resp: 699894
Ion Ratio Lower Upper
130 100
95 94.1 0.0 204.4



#49
1,4-Dioxane
Concen: 25.936 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.006 min
Lab File: VX038738.D
Acq: 10 Nov 2023 18:52

Tgt Ion: 88 Resp: 1726
Ion Ratio Lower Upper
88 100
43 21.4 0.0 0.0#
58 63.2 60.1 90.1

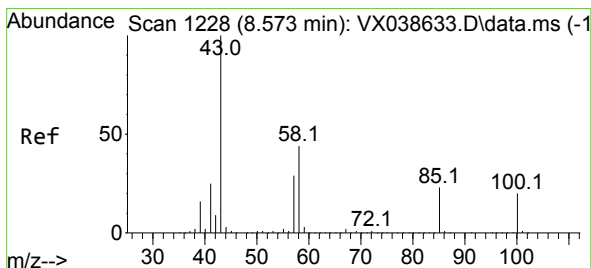
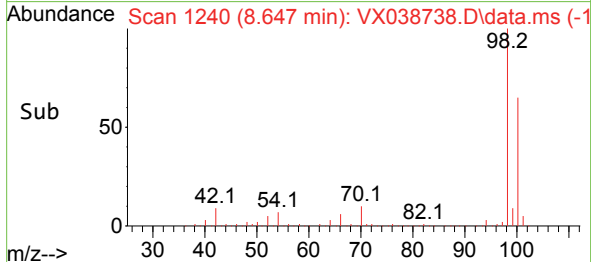
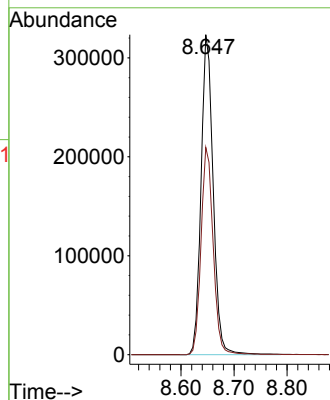
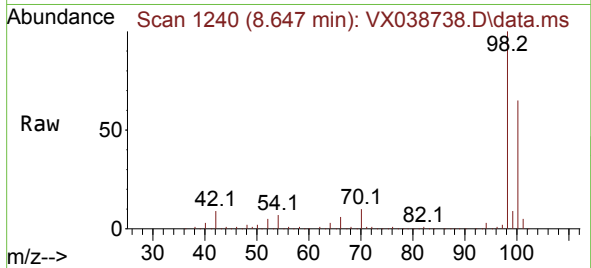




#50
Toluene-d8
Concen: 46.058 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX038738.D
Acq: 10 Nov 2023 18:52

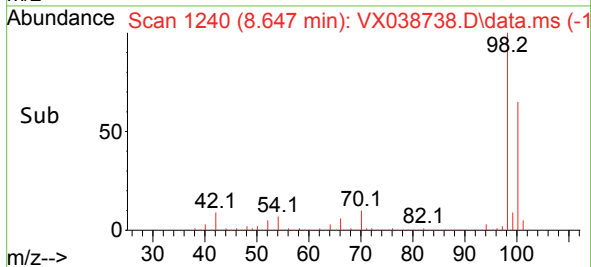
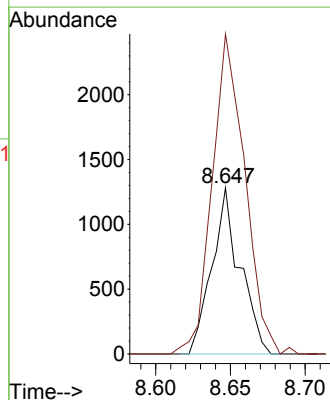
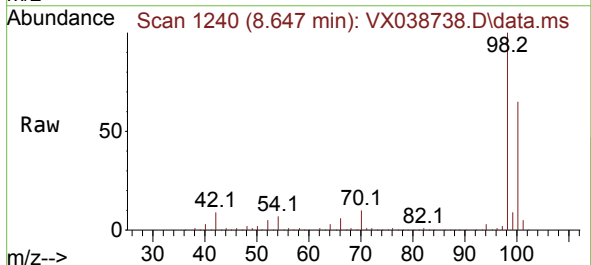
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20231108

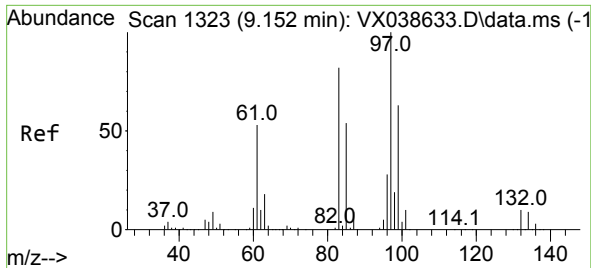
Tgt Ion: 98 Resp: 512727
Ion Ratio Lower Upper
98 100
100 65.3 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.425 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX038738.D
Acq: 10 Nov 2023 18:52

Tgt Ion: 43 Resp: 1679
Ion Ratio Lower Upper
43 100
58 224.2 30.4 45.6#

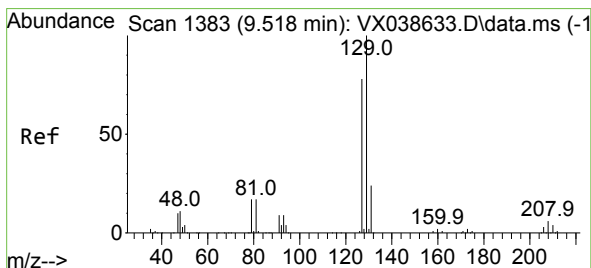
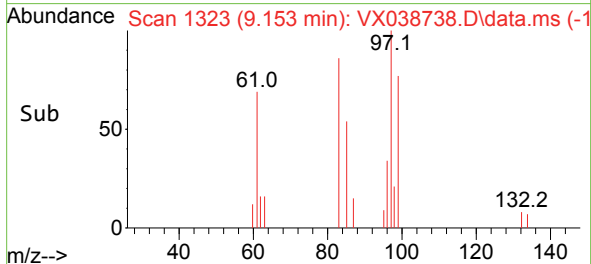
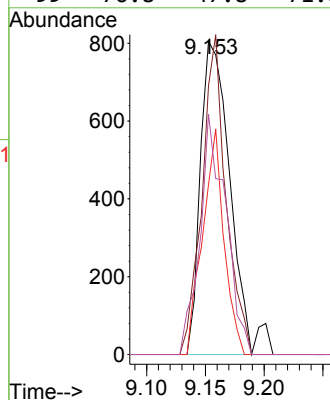
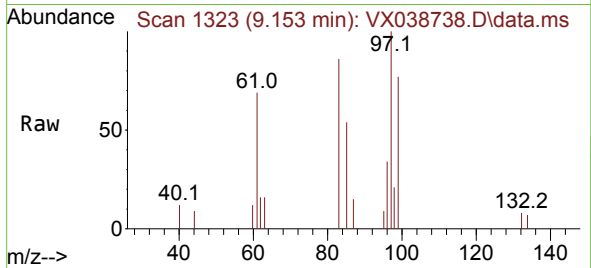




#55
 1,1,2-Trichloroethane
 Concen: 0.461 ug/l
 RT: 9.153 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX038738.D
 Acq: 10 Nov 2023 18:52

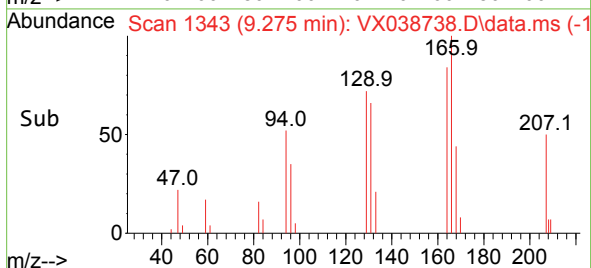
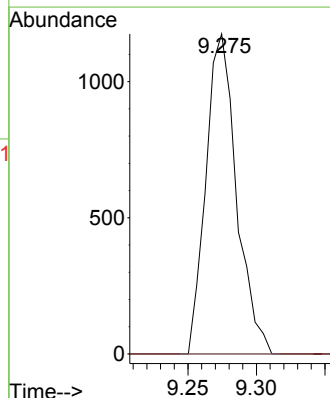
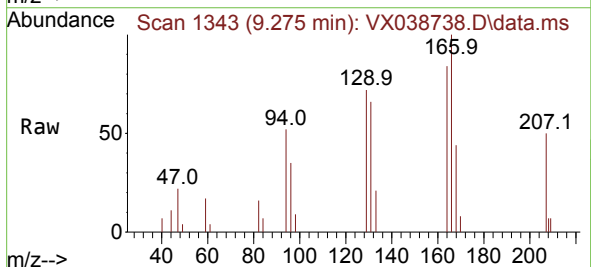
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP03-20231108

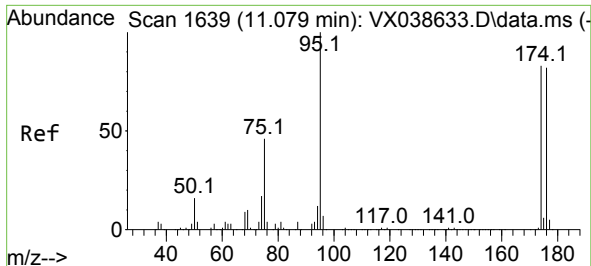
Tgt Ion: 97	Resp:	1426
Ion	Ratio	Lower Upper
97	100	
83	85.8	65.8 98.8
85	54.3	41.6 62.4
99	76.8	47.8 71.8#



#60
 Dibromochloromethane
 Concen: 0.525 ug/l
 RT: 9.275 min Scan# 1343
 Delta R.T. -0.244 min
 Lab File: VX038738.D
 Acq: 10 Nov 2023 18:52

Tgt Ion: 129	Resp:	1822
Ion	Ratio	Lower Upper
129	100	
127	0.0	38.8 116.4#

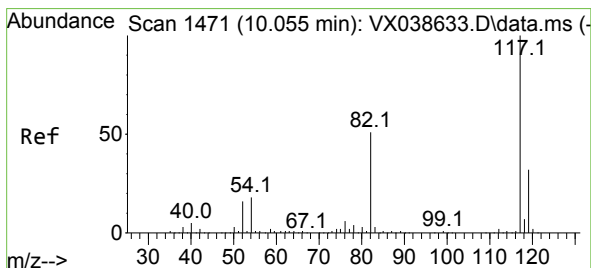
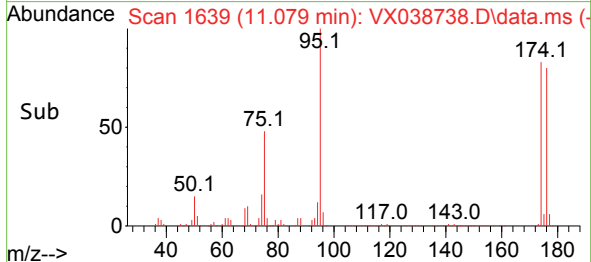
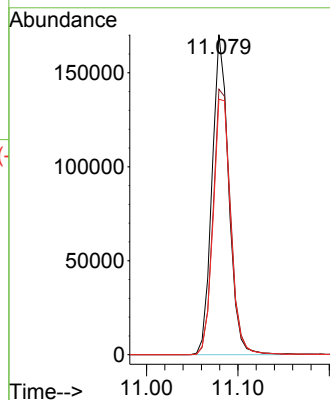
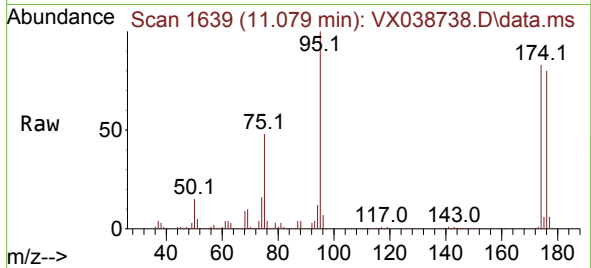




#62
4-Bromofluorobenzene
Concen: 49.837 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX038738.D
Acq: 10 Nov 2023 18:52

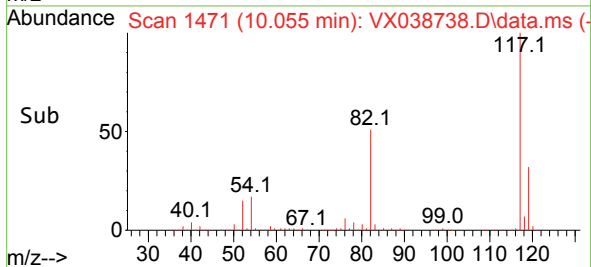
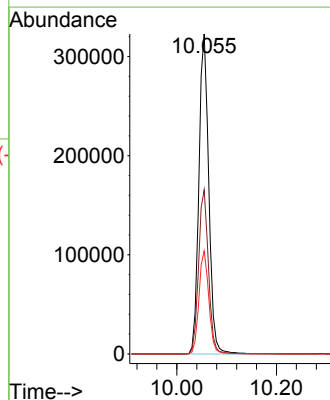
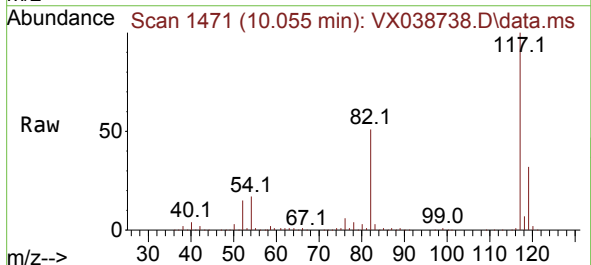
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20231108

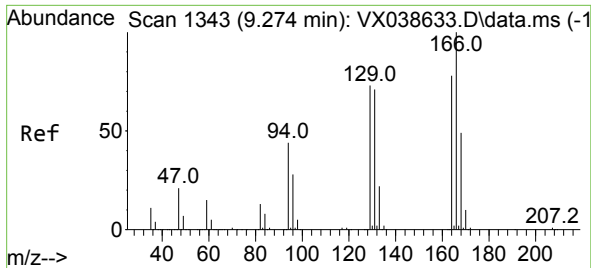
Tgt Ion: 95 Resp: 215100
Ion Ratio Lower Upper
95 100
174 87.7 0.0 135.6
176 85.1 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038738.D
Acq: 10 Nov 2023 18:52

Tgt Ion: 117 Resp: 443724
Ion Ratio Lower Upper
117 100
82 51.3 46.2 69.4
119 32.2 25.5 38.3



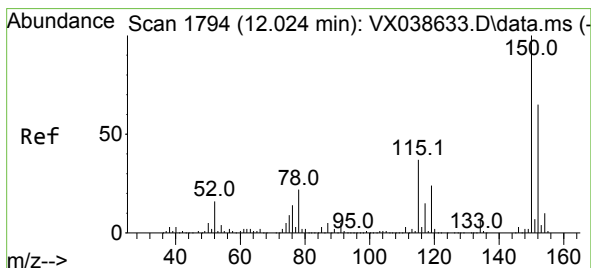
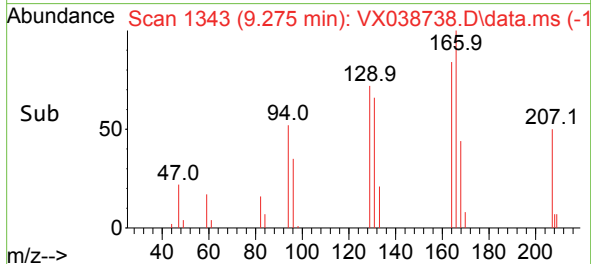
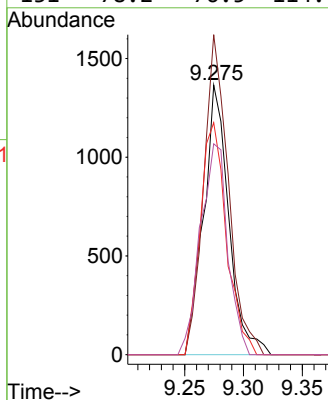
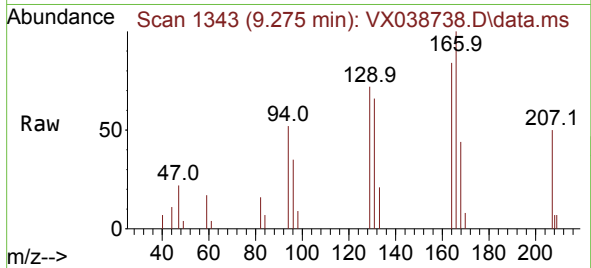


#64
Tetrachloroethene
Concen: 0.614 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038738.D
Acq: 10 Nov 2023 18:52

Instrument :
MSVOA_X
ClientSampleId :
DUP03-20231108

Tgt Ion:164 Resp: 2041

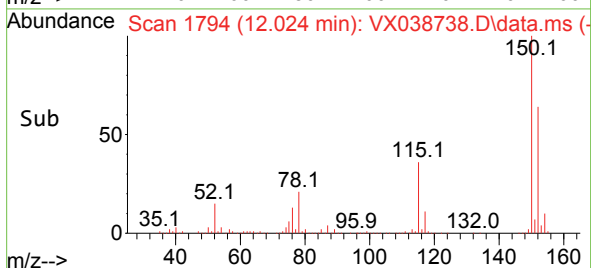
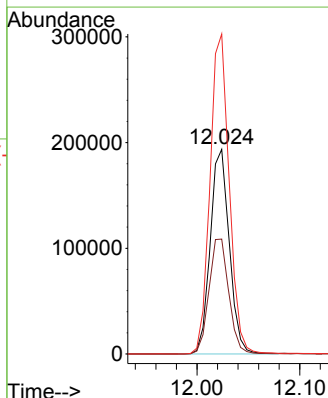
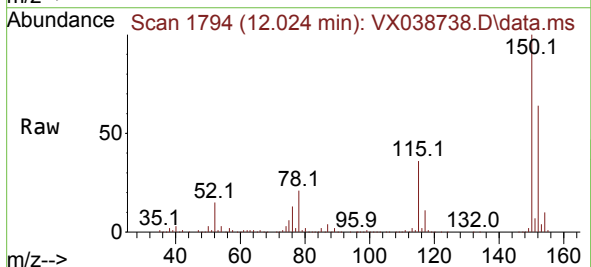
Ion	Ratio	Lower	Upper
164	100		
166	118.7	102.7	154.1
129	86.0	80.4	120.6
131	78.2	76.5	114.7

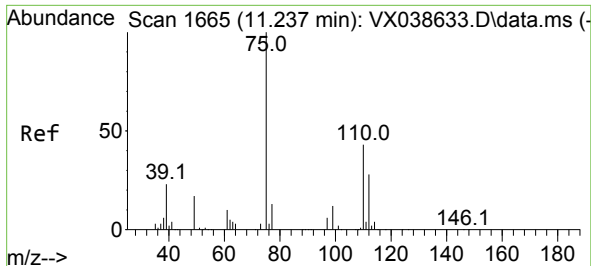


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX038738.D
Acq: 10 Nov 2023 18:52

Tgt Ion:152 Resp: 249166

Ion	Ratio	Lower	Upper
152	100		
115	58.7	43.3	129.9
150	157.6	0.0	345.0

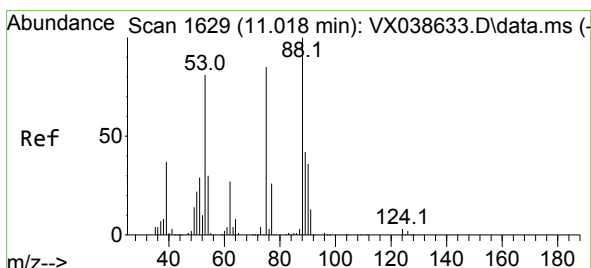
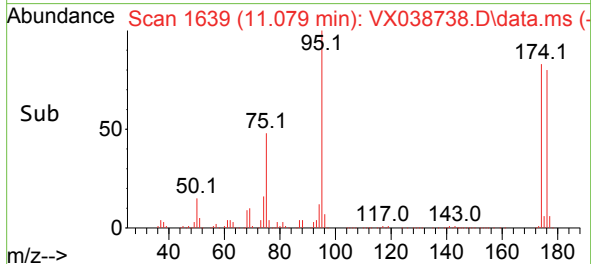
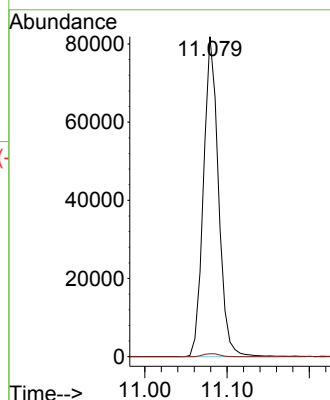
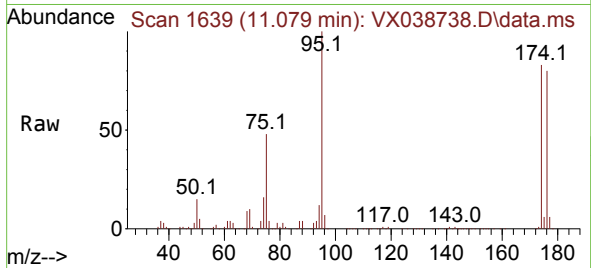




#76
1,2,3-Trichloropropane
Concen: 21.005 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX038738.D
Acq: 10 Nov 2023 18:52

Instrument :
MSVOA_X
ClientSampleId :
DUP03-20231108

Tgt Ion: 75 Resp: 103654
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.847 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX038738.D
Acq: 10 Nov 2023 18:52

Tgt Ion: 75 Resp: 103654
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

