

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090723\
 Data File : VX037591.D
 Acq On : 07 Sep 2023 20:22
 Operator : JC/MD
 Sample : 04327-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 08 00:50:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

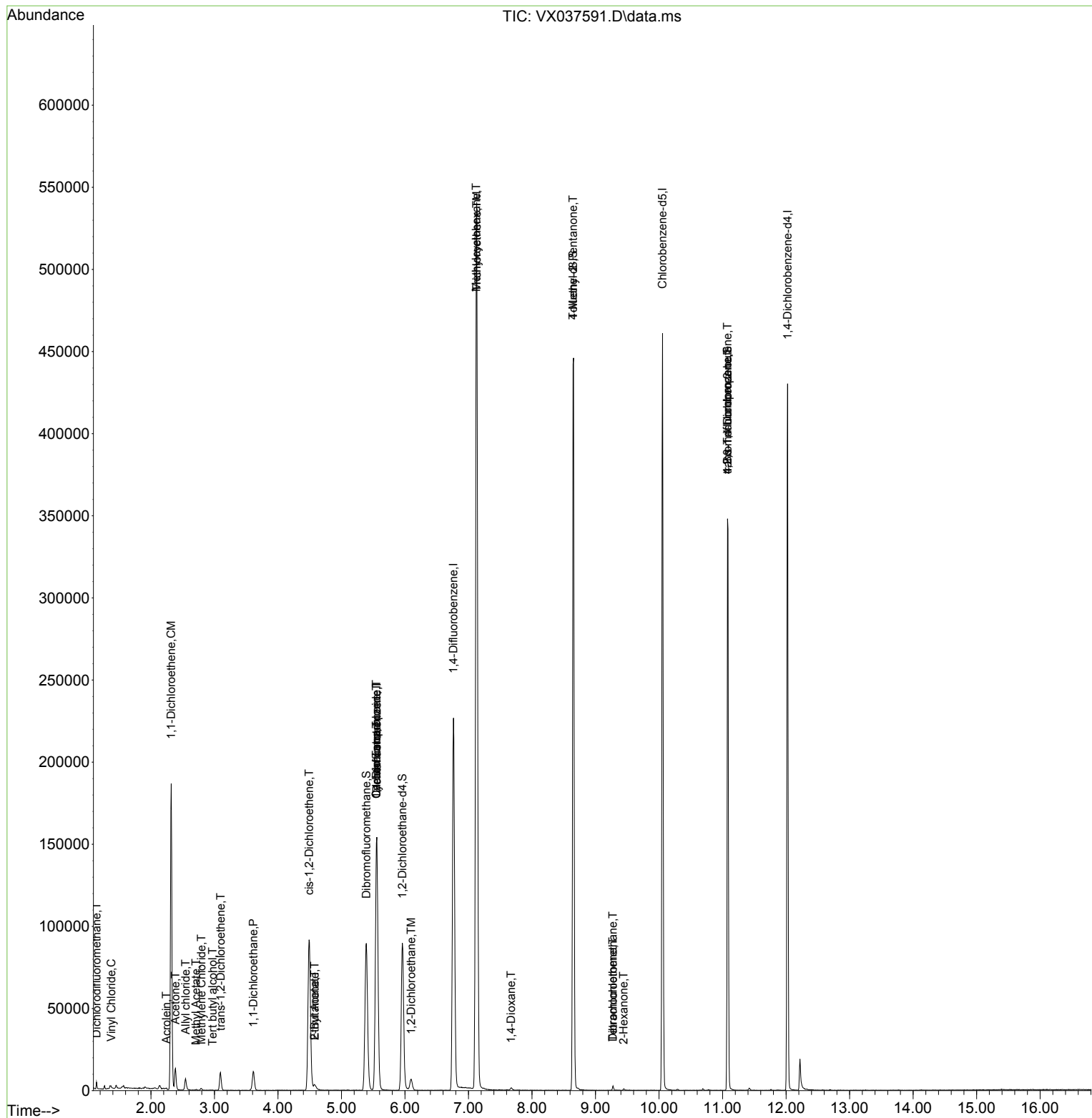
Internal Standards						
1) Pentafluorobenzene	5.556	168	147526	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	246484	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	220564	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91239	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	87878	41.318	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	82.640%		
35) Dibromofluoromethane	5.391	113	80394	49.249	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.500%		
50) Toluene-d8	8.647	98	280439	47.361	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.720%		
62) 4-Bromofluorobenzene	11.079	95	102907	44.223	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.440%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.142	85	349	0.204	ug/l	94
4) Vinyl Chloride	1.374	62	458	0.281	ug/l #	88
11) Tert butyl alcohol	2.971	59	177	0.355	ug/l #	78
12) 1,1-Dichloroethene	2.319	96	65506	43.135	ug/l #	79
13) Acrolein	2.239	56	299	0.788	ug/l	100
14) Allyl chloride	2.544	41	724	0.308	ug/l #	78
16) Acetone	2.386	43	13958	16.776	ug/l #	87
18) Methyl Acetate	2.709	43	777	0.248	ug/l #	84
20) Methylene Chloride	2.794	84	639	0.343	ug/l #	75
21) trans-1,2-Dichloroethene	3.099	96	4849	2.809	ug/l #	80
24) 1,1-Dichloroethane	3.611	63	13087	4.327	ug/l #	96
25) 2-Butanone	4.574	43	6330	5.053	ug/l #	89
27) cis-1,2-Dichloroethene	4.489	96	64606	31.745	ug/l	77
31) Cyclohexane	5.550	56	2537	1.061	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11144	4.805	ug/l #	50
37) Ethyl Acetate	4.574	43	6330	2.672	ug/l #	69
38) Carbon Tetrachloride	5.550	117	15463	6.138	ug/l #	14
39) Methylcyclohexane	7.123	83	2579	1.058	ug/l #	1
42) 1,2-Dichloroethane	6.098	62	8124	3.115	ug/l	92
44) Trichloroethene	7.129	130	222505	117.973	ug/l	94
49) 1,4-Dioxane	7.671	88	1198	24.251	ug/l #	84
51) 4-Methyl-2-Pentanone	8.647	43	1046	0.458	ug/l #	1
59) 2-Hexanone	9.439	43	880	0.505	ug/l	84
60) Dibromochloromethane	9.275	129	493	0.259	ug/l #	11
64) Tetrachloroethene	9.275	164	512	0.318	ug/l #	91
76) 1,2,3-Trichloropropane	11.079	75	48818	25.124	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	48818	70.172	ug/l #	5

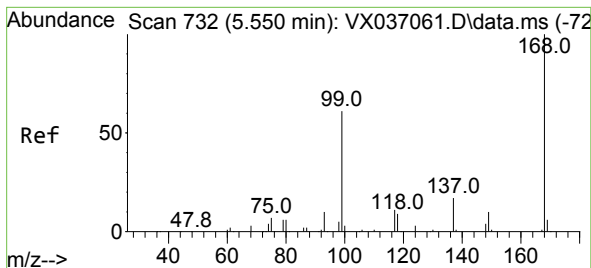
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090723\
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Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 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: VX037591.D

Acq: 07 Sep 2023 20:22

Instrument :

MSVOA_X

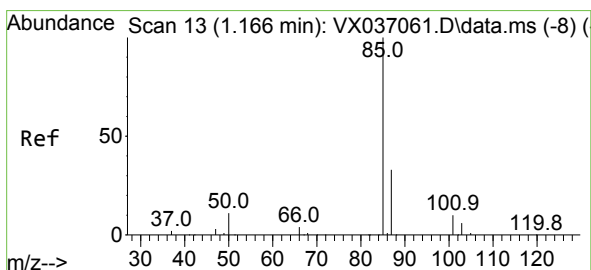
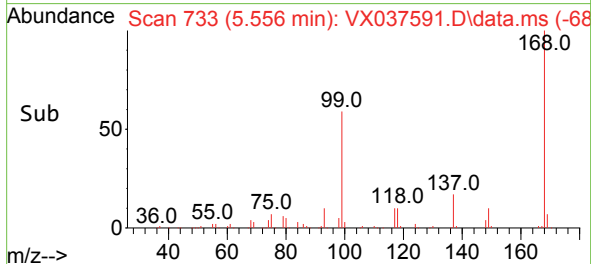
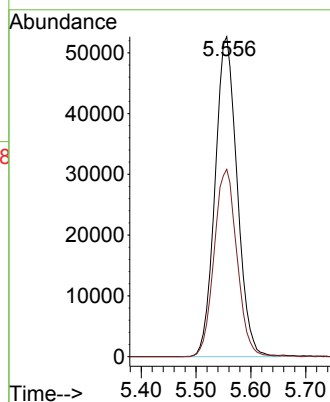
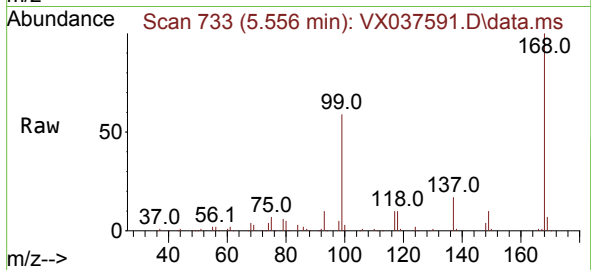
ClientSampleId :

Tgt Ion:168 Resp: 147526

Ion Ratio Lower Upper

168 100

99 58.5 56.6 85.0



#2

Dichlorodifluoromethane

Concen: 0.204 ug/l

RT: 1.142 min Scan# 9

Delta R.T. -0.024 min

Lab File: VX037591.D

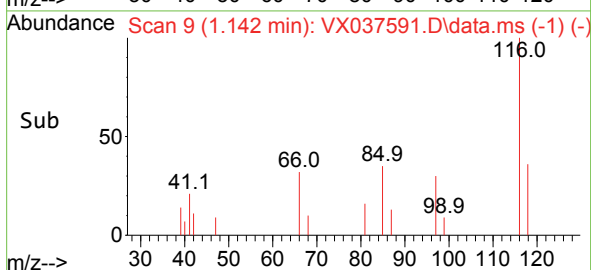
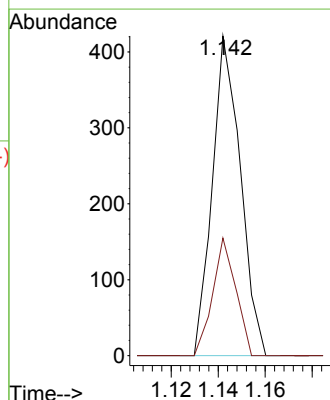
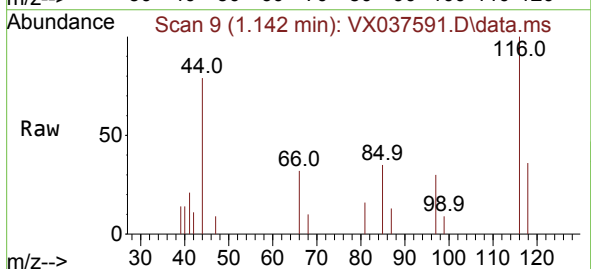
Acq: 07 Sep 2023 20:22

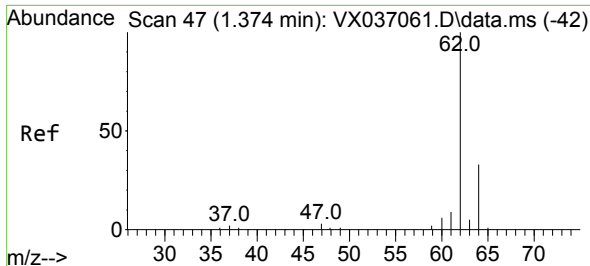
Tgt Ion: 85 Resp: 349

Ion Ratio Lower Upper

85 100

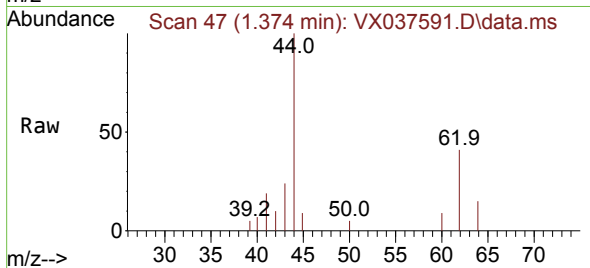
87 36.8 16.7 50.1



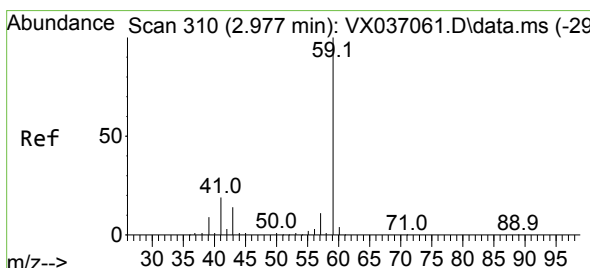
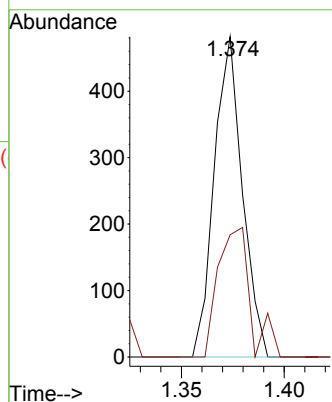
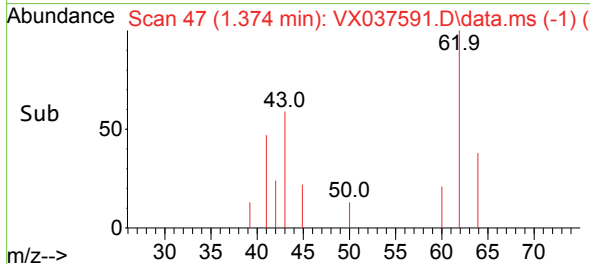


#4
 Vinyl Chloride
 Concen: 0.281 ug/l
 RT: 1.374 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VX037591.D
 Acq: 07 Sep 2023 20:22

Instrument :
 MSVOA_X
 ClientSampleId :

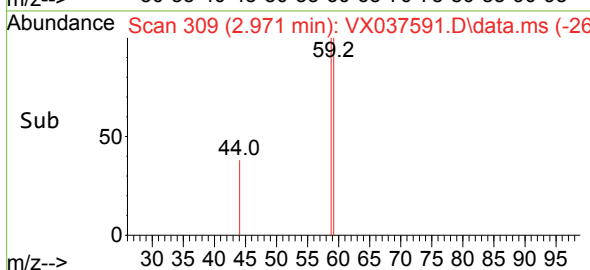
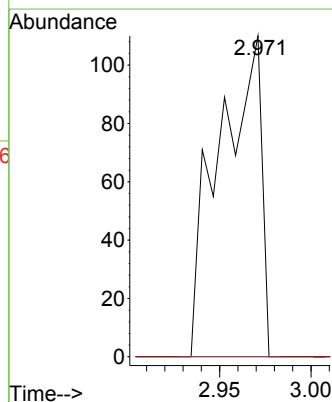
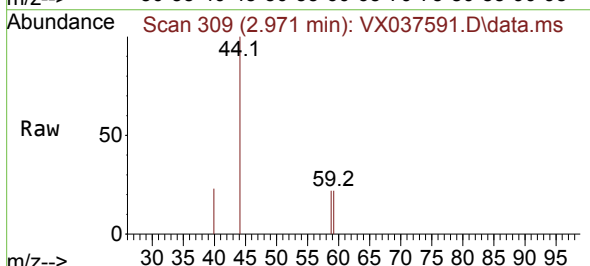


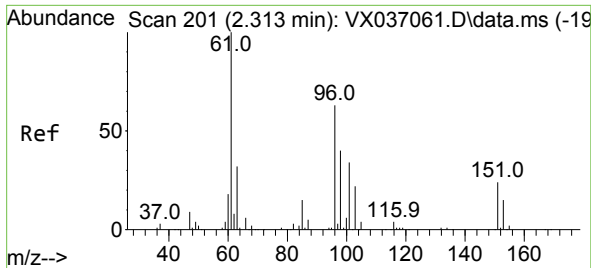
Tgt Ion: 62 Resp: 458
 Ion Ratio Lower Upper
 62 100
 64 38.2 25.4 38.0#



#11
 Tert butyl alcohol
 Concen: 0.355 ug/l
 RT: 2.971 min Scan# 309
 Delta R.T. -0.006 min
 Lab File: VX037591.D
 Acq: 07 Sep 2023 20:22

Tgt Ion: 59 Resp: 177
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.0 9.0#

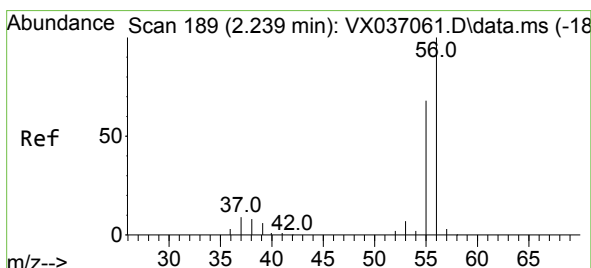
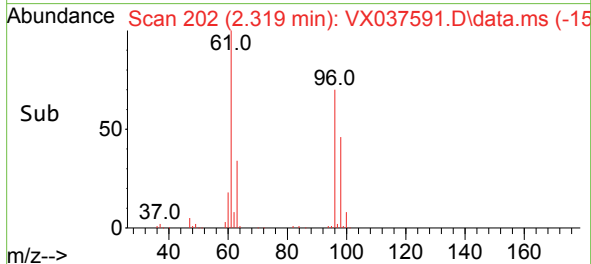
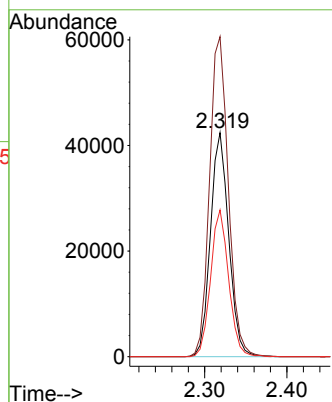
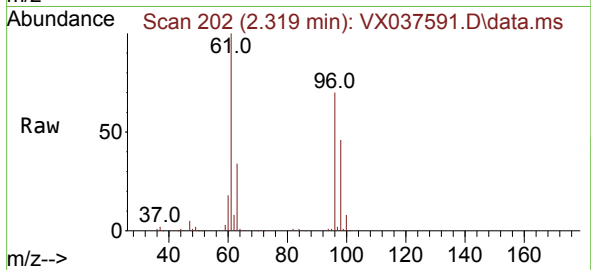




#12
1,1-Dichloroethene
Concen: 43.135 ug/l
RT: 2.319 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX037591.D
Acq: 07 Sep 2023 20:22

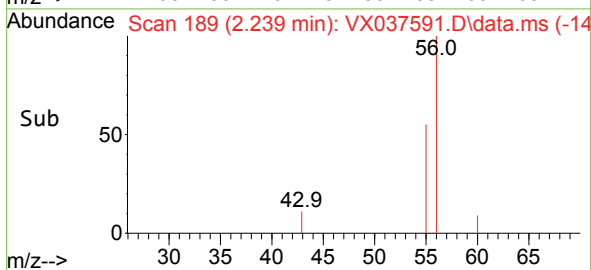
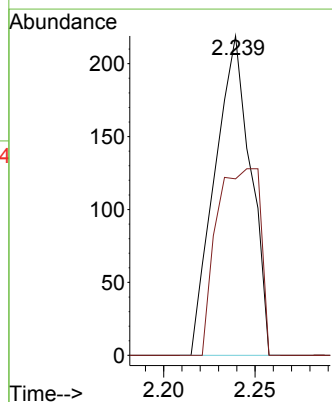
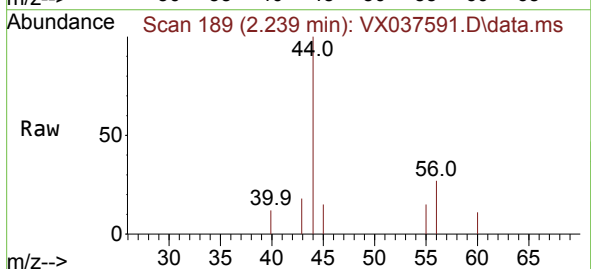
Instrument :
MSVOA_X
ClientSampleId :

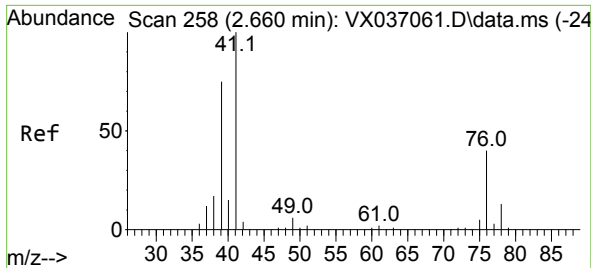
Tgt Ion: 96 Resp: 65506
Ion Ratio Lower Upper
96 100
61 142.8 144.6 216.8#
98 65.5 50.4 75.6



#13
Acrolein
Concen: 0.788 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX037591.D
Acq: 07 Sep 2023 20:22

Tgt Ion: 56 Resp: 299
Ion Ratio Lower Upper
56 100
55 71.2 57.1 85.7

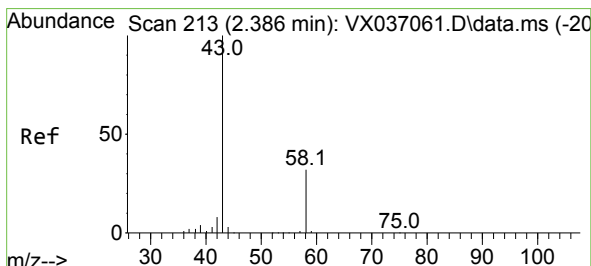
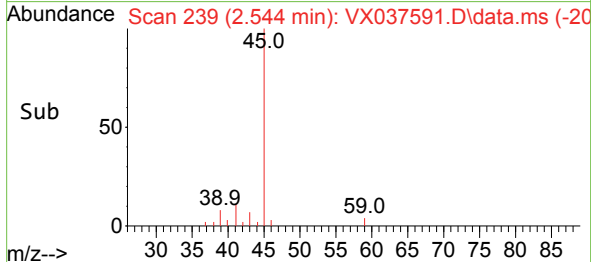
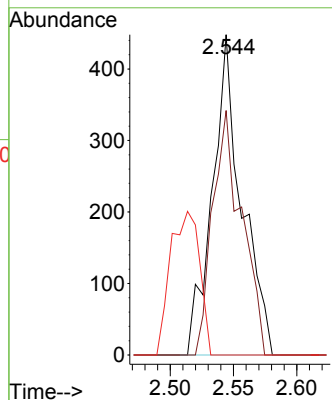
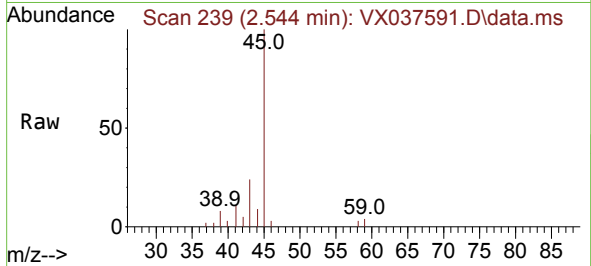




#14
 Allyl chloride
 Concen: 0.308 ug/l
 RT: 2.544 min Scan# 214
 Delta R.T. -0.116 min
 Lab File: VX037591.D
 Acq: 07 Sep 2023 20:22

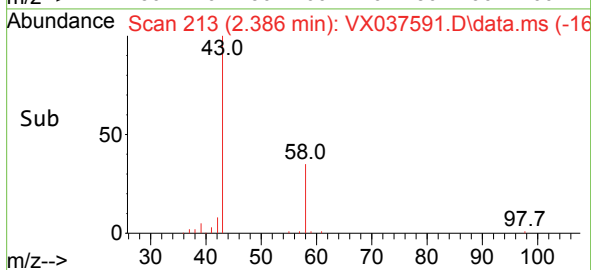
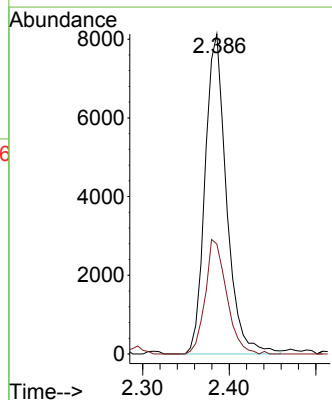
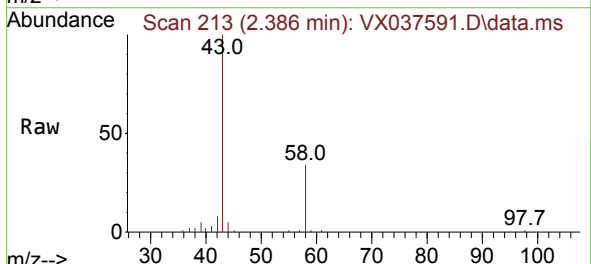
Instrument :
 MSVOA_X
 ClientSampleId :

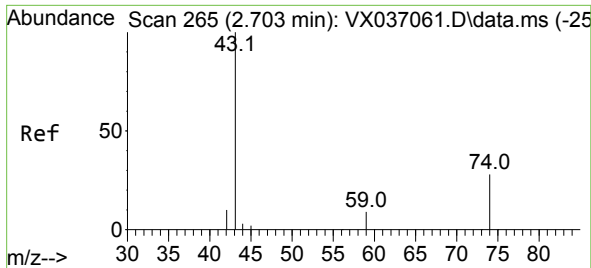
Tgt Ion: 41 Resp: 724
 Ion Ratio Lower Upper
 41 100
 39 75.6 55.8 83.6
 76 0.0 24.3 36.5#



#16
 Acetone
 Concen: 16.776 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. 0.000 min
 Lab File: VX037591.D
 Acq: 07 Sep 2023 20:22

Tgt Ion: 43 Resp: 13958
 Ion Ratio Lower Upper
 43 100
 58 34.4 21.9 32.9#

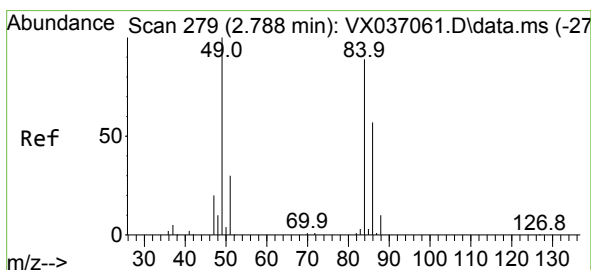
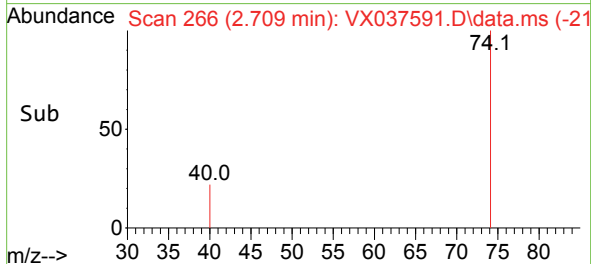
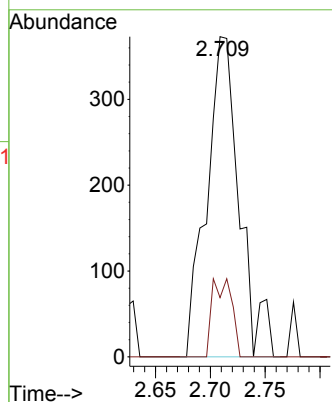
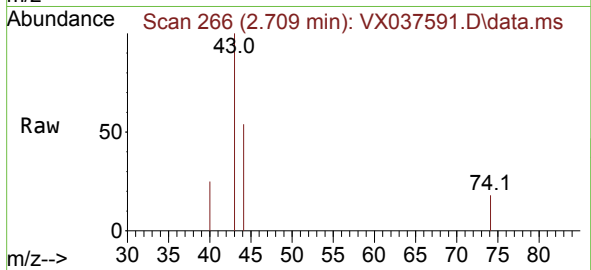




#18
Methyl Acetate
Concen: 0.248 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX037591.D
Acq: 07 Sep 2023 20:22

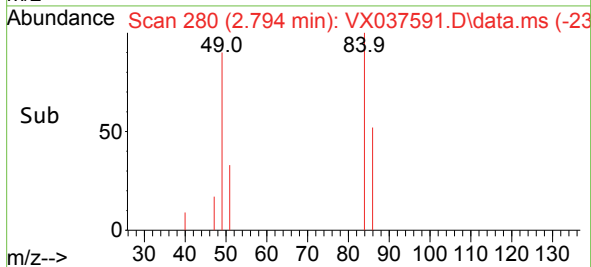
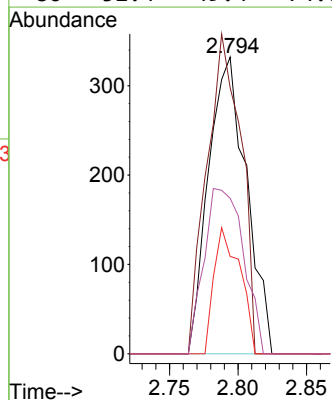
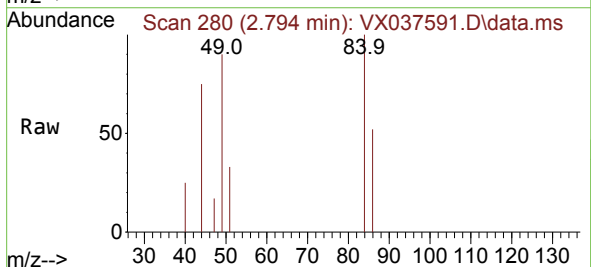
Instrument :
MSVOA_X
ClientSampleId :

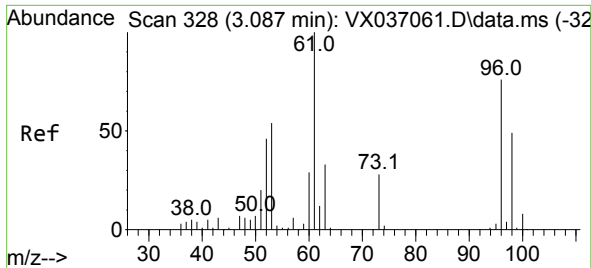
Tgt Ion: 43 Resp: 777
Ion Ratio Lower Upper
43 100
74 14.5 17.8 26.8#



#20
Methylene Chloride
Concen: 0.343 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX037591.D
Acq: 07 Sep 2023 20:22

Tgt Ion: 84 Resp: 639
Ion Ratio Lower Upper
84 100
49 89.8 103.6 155.4#
51 32.8 33.8 50.6#
86 52.4 49.4 74.0

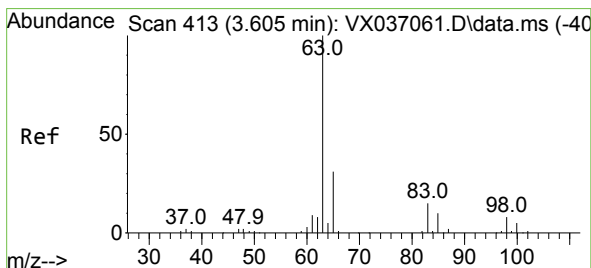
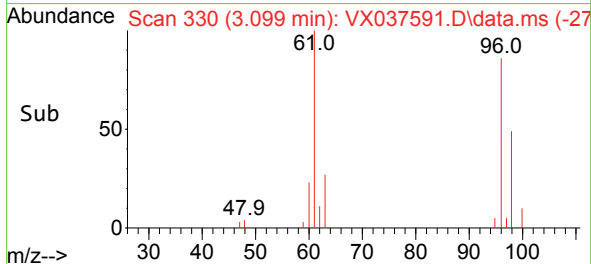
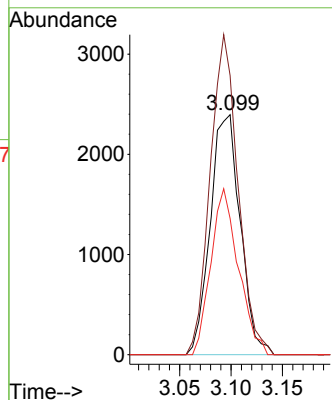
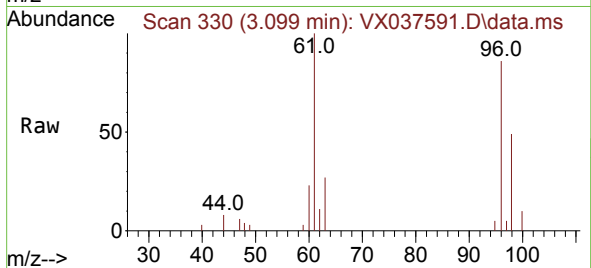




#21
trans-1,2-Dichloroethene
Concen: 2.809 ug/l
RT: 3.099 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX037591.D
Acq: 07 Sep 2023 20:22

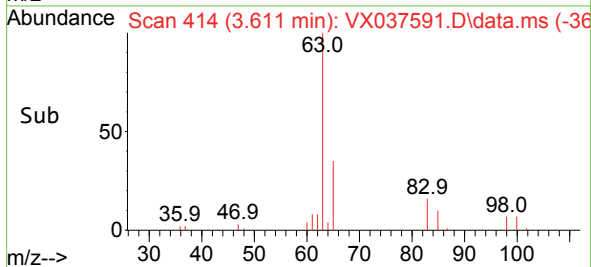
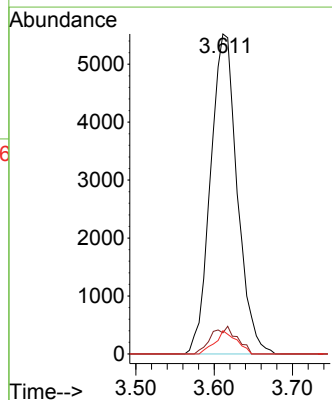
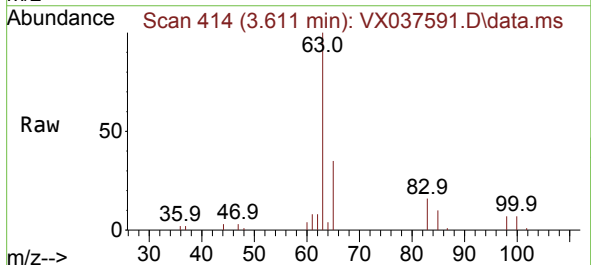
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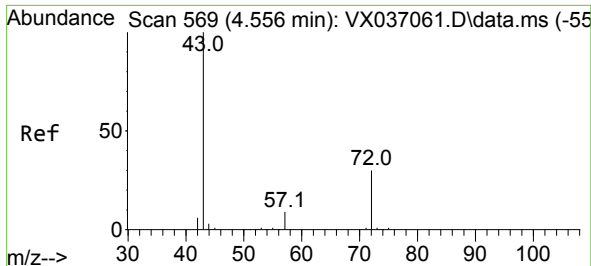
Tgt Ion: 96 Resp: 4849
Ion Ratio Lower Upper
96 100
61 116.2 119.2 178.8#
98 56.7 48.7 73.1



#24
1,1-Dichloroethane
Concen: 4.327 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX037591.D
Acq: 07 Sep 2023 20:22

Tgt Ion: 63 Resp: 13087
Ion Ratio Lower Upper
63 100
98 6.6 3.3 9.8
100 7.2 2.1 6.5#





#25

2-Butanone

Concen: 5.053 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX037591.D

Acq: 07 Sep 2023 20:22

Instrument :

MSVOA_X

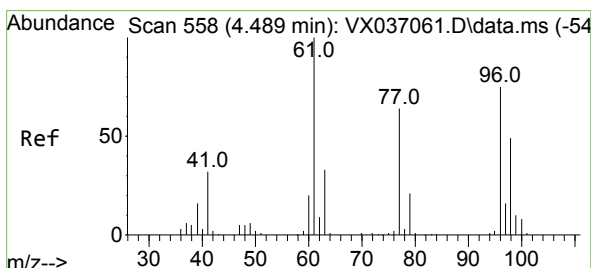
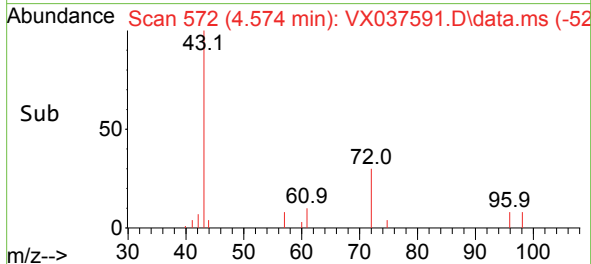
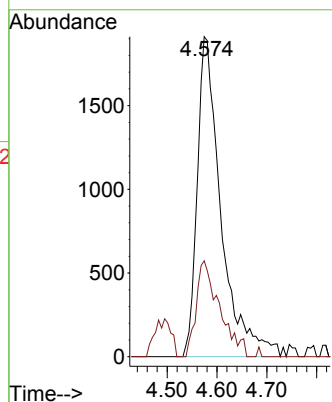
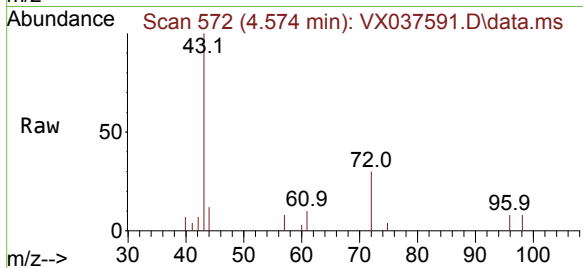
ClientSampleId :

Tgt Ion: 43 Resp: 6330

Ion Ratio Lower Upper

43 100

72 30.0 19.4 29.2#



#27

cis-1,2-Dichloroethene

Concen: 31.745 ug/l

RT: 4.489 min Scan# 558

Delta R.T. 0.000 min

Lab File: VX037591.D

Acq: 07 Sep 2023 20:22

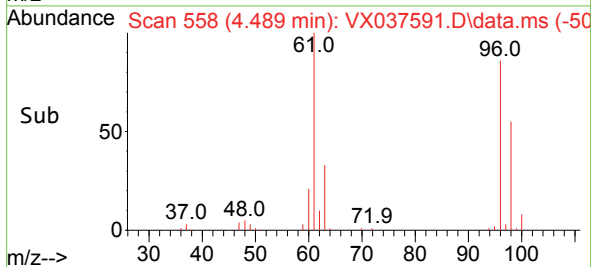
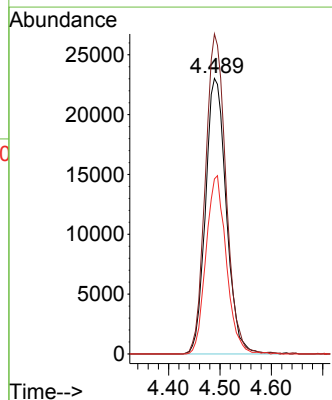
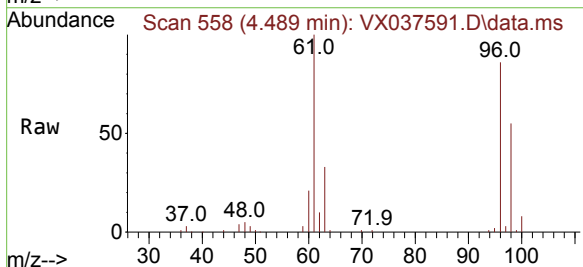
Tgt Ion: 96 Resp: 64606

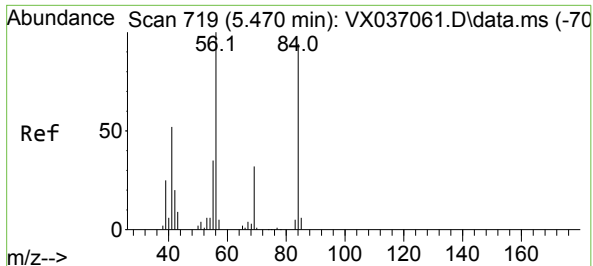
Ion Ratio Lower Upper

96 100

61 114.7 0.0 312.2

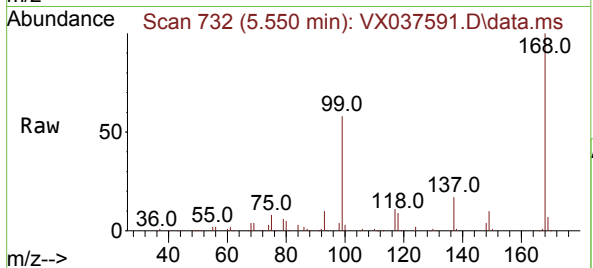
98 63.3 0.0 129.0



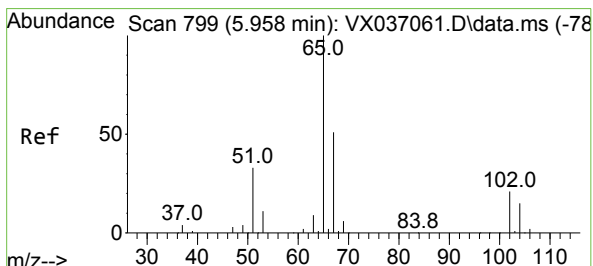
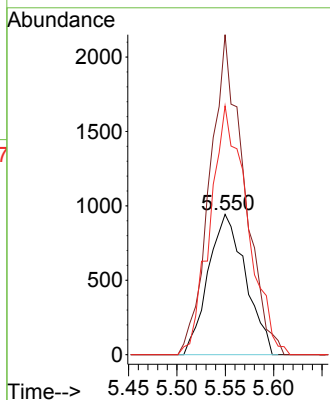
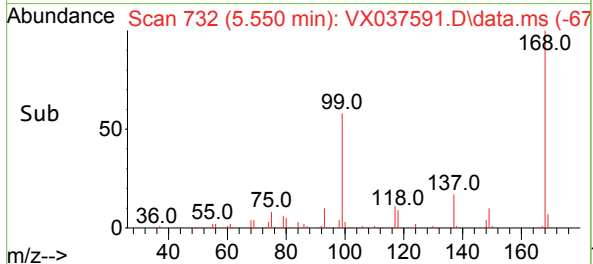


#31
Cyclohexane
Concen: 1.061 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX037591.D
Acq: 07 Sep 2023 20:22

Instrument :
MSVOA_X
ClientSampleId :

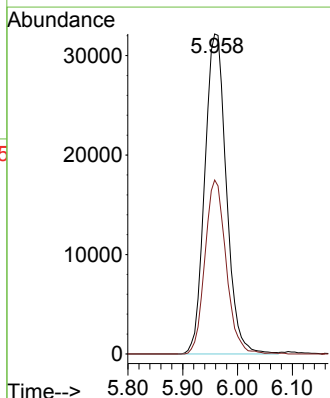
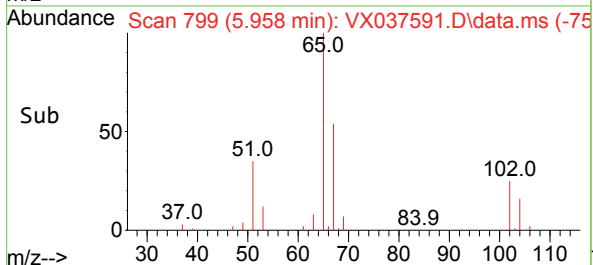
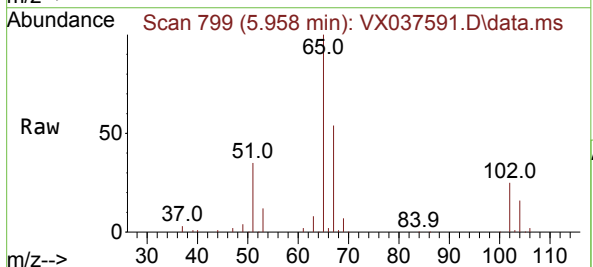


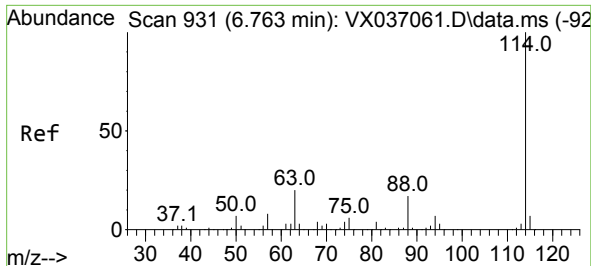
Tgt Ion: 56 Resp: 2537
Ion Ratio Lower Upper
56 100
69 228.2 23.4 35.2#
84 177.5 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 41.318 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX037591.D
Acq: 07 Sep 2023 20:22

Tgt Ion: 65 Resp: 87878
Ion Ratio Lower Upper
65 100
67 53.2 0.0 100.2

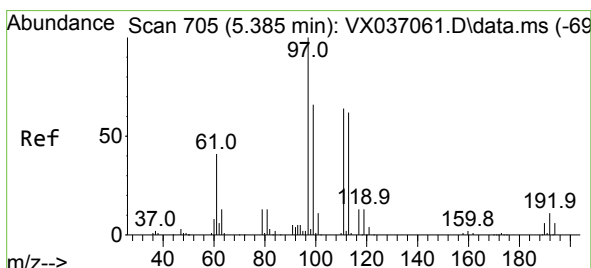
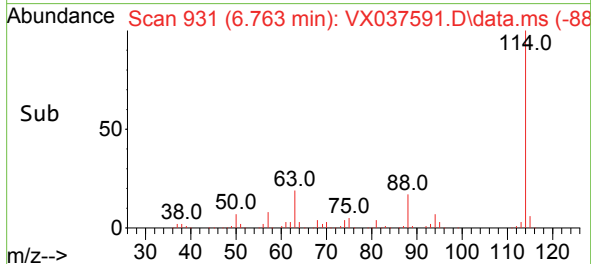
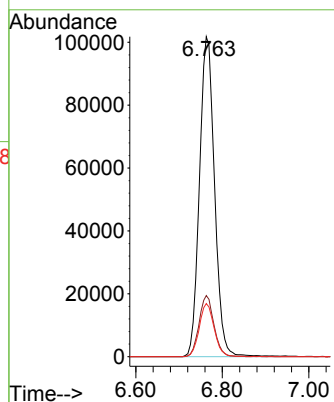
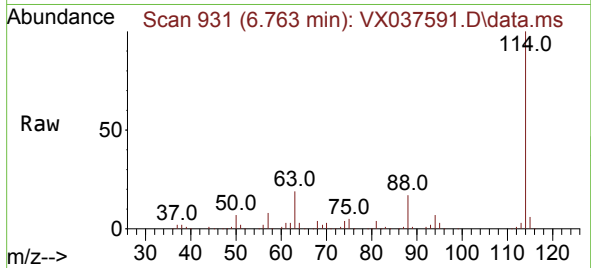




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX037591.D
Acq: 07 Sep 2023 20:22

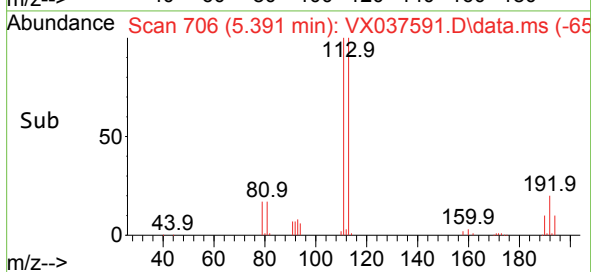
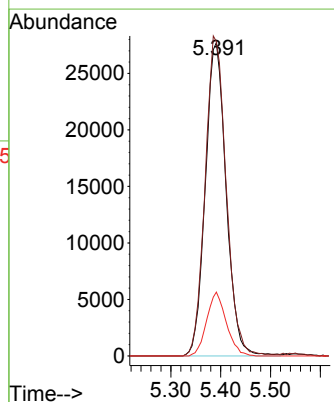
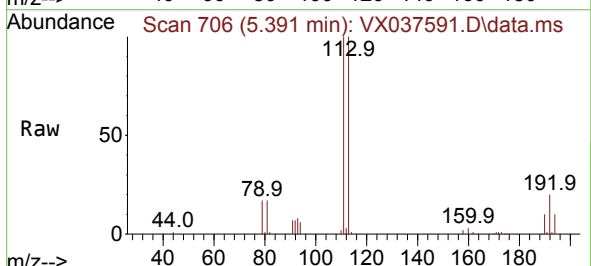
Instrument :
MSVOA_X
ClientSampleId :

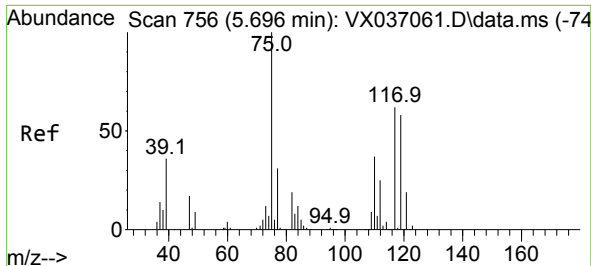
Tgt Ion:114 Resp: 246484
Ion Ratio Lower Upper
114 100
63 19.1 0.0 45.0
88 16.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 49.249 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX037591.D
Acq: 07 Sep 2023 20:22

Tgt Ion:113 Resp: 80394
Ion Ratio Lower Upper
113 100
111 103.2 82.9 124.3
192 19.3 13.3 19.9

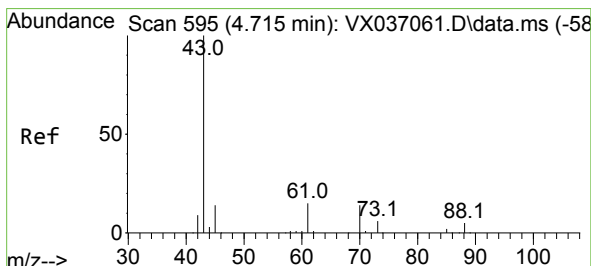
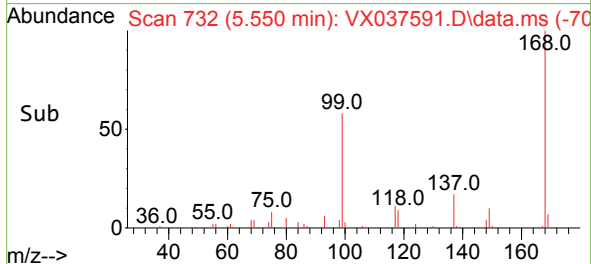
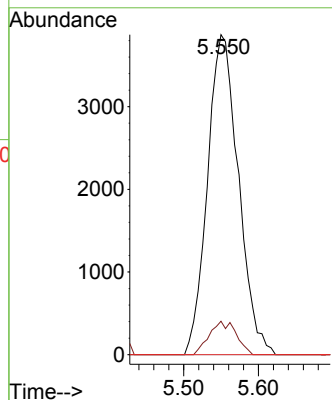
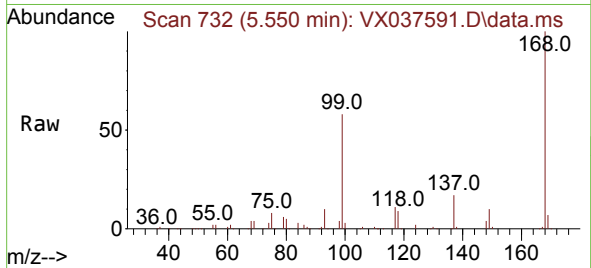




#36
1,1-Dichloropropene
Concen: 4.805 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX037591.D
Acq: 07 Sep 2023 20:22

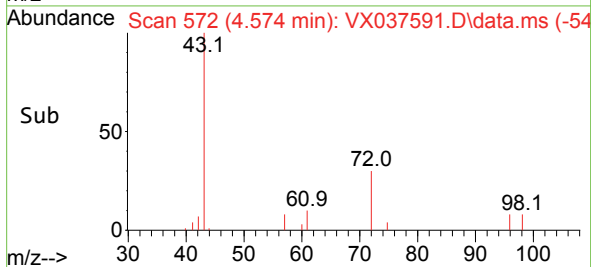
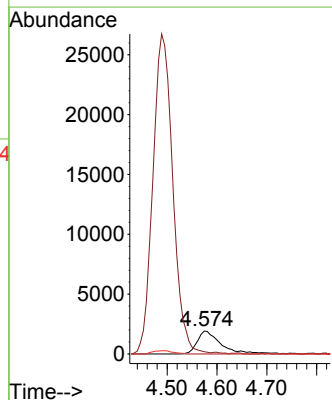
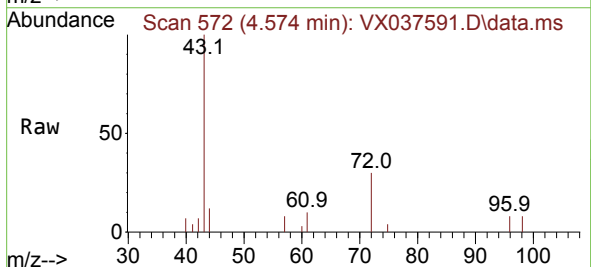
Instrument :
MSVOA_X
ClientSampleId :

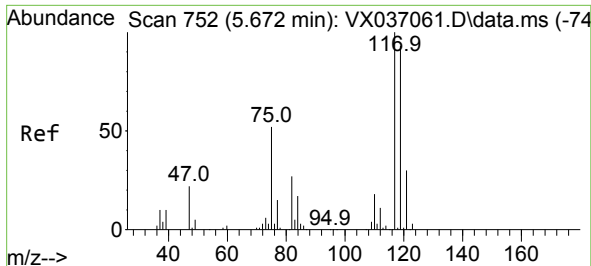
Tgt Ion: 75 Resp: 11144
Ion Ratio Lower Upper
75 100
110 9.1 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 2.672 ug/l
RT: 4.574 min Scan# 572
Delta R.T. -0.140 min
Lab File: VX037591.D
Acq: 07 Sep 2023 20:22

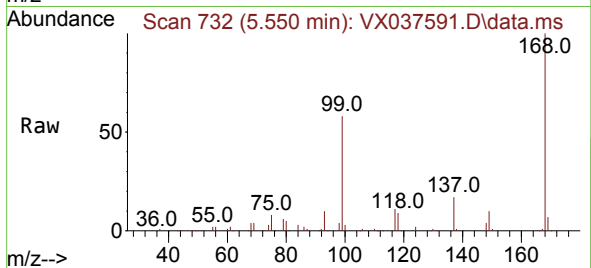
Tgt Ion: 43 Resp: 6330
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.3 12.5#



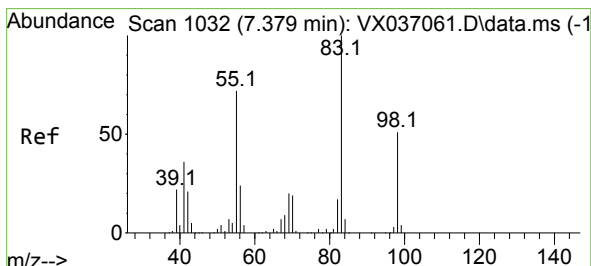
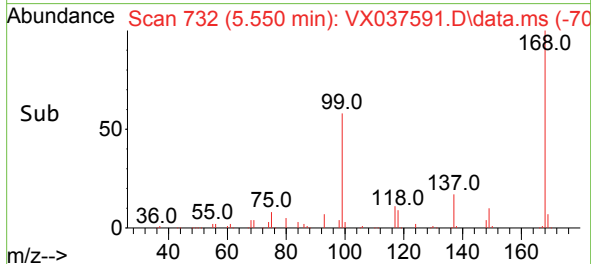
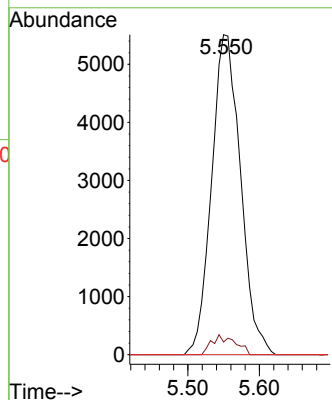


#38
Carbon Tetrachloride
Concen: 6.138 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX037591.D
Acq: 07 Sep 2023 20:22

Instrument :
MSVOA_X
ClientSampleId :

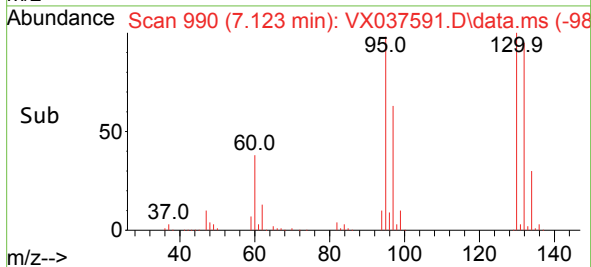
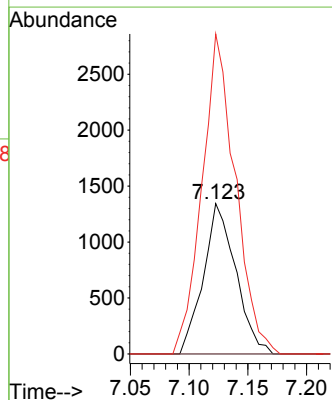
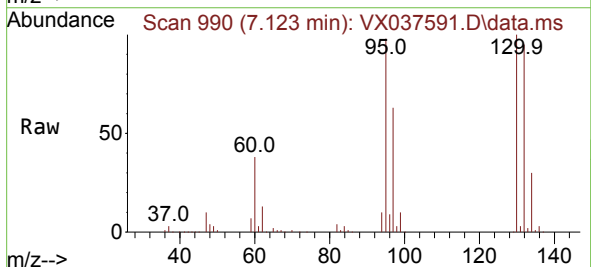


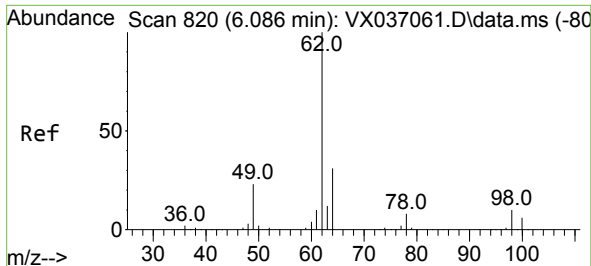
Tgt Ion:117 Resp: 15463
Ion Ratio Lower Upper
117 100
119 3.9 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 1.058 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX037591.D
Acq: 07 Sep 2023 20:22

Tgt Ion: 83 Resp: 2579
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 212.8 36.7 55.1#





#42

1,2-Dichloroethane

Concen: 3.115 ug/l

RT: 6.098 min Scan# 81

Delta R.T. 0.012 min

Lab File: VX037591.D

Acq: 07 Sep 2023 20:22

Instrument :

MSVOA_X

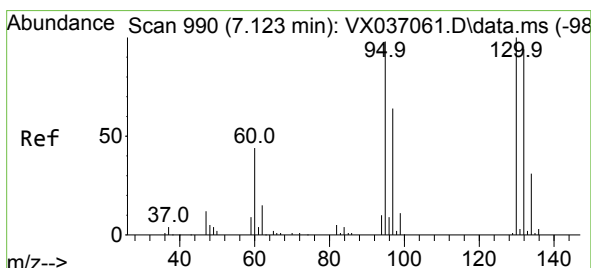
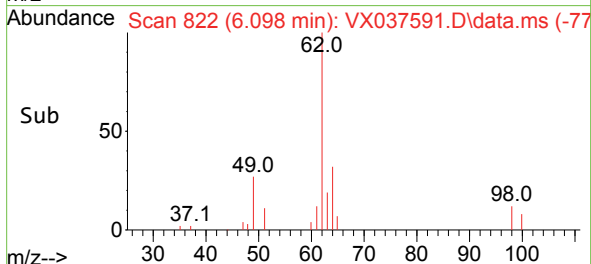
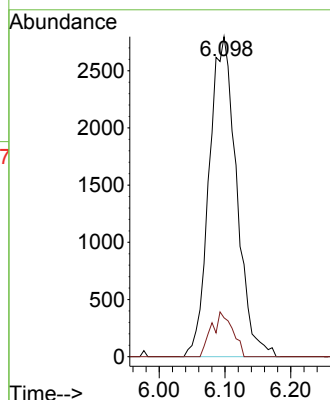
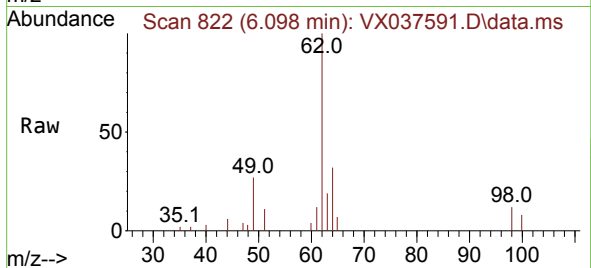
ClientSampleId :

Tgt Ion: 62 Resp: 8124

Ion Ratio Lower Upper

62 100

98 10.7 0.0 16.0



#44

Trichloroethene

Concen: 117.973 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.006 min

Lab File: VX037591.D

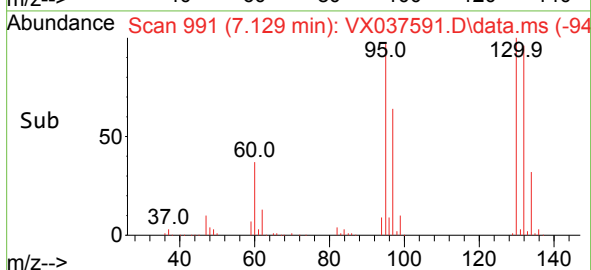
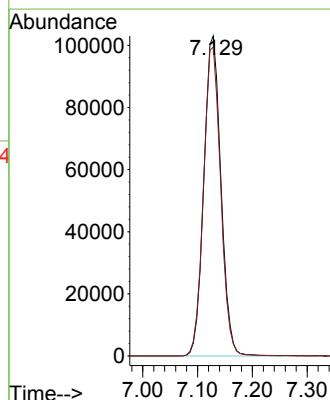
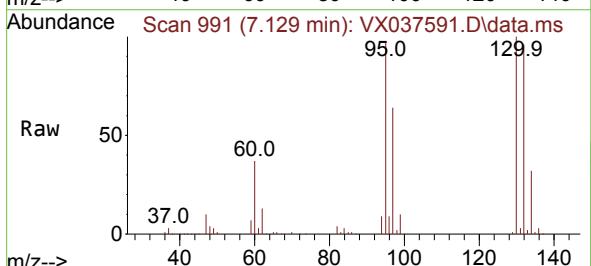
Acq: 07 Sep 2023 20:22

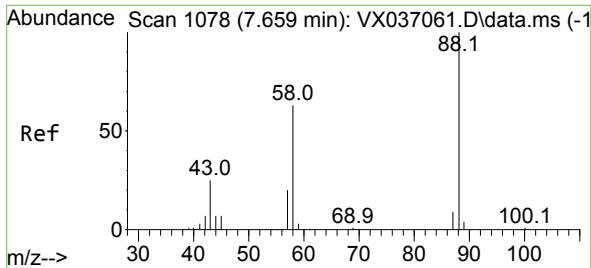
Tgt Ion:130 Resp: 222505

Ion Ratio Lower Upper

130 100

95 96.6 0.0 204.4

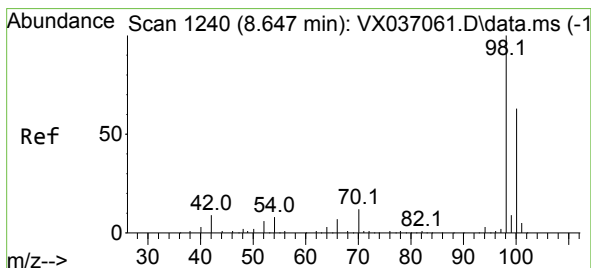
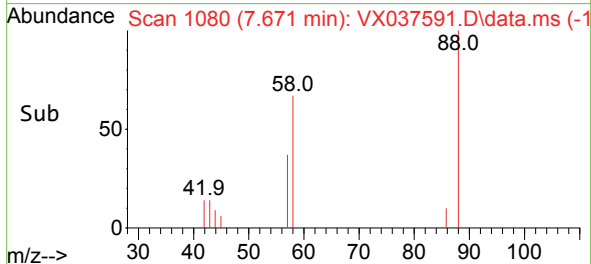
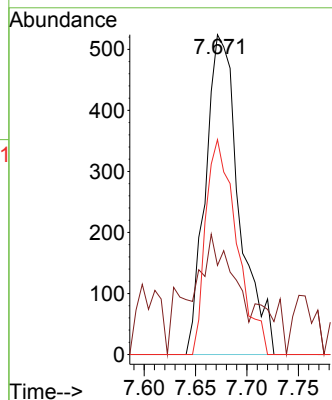
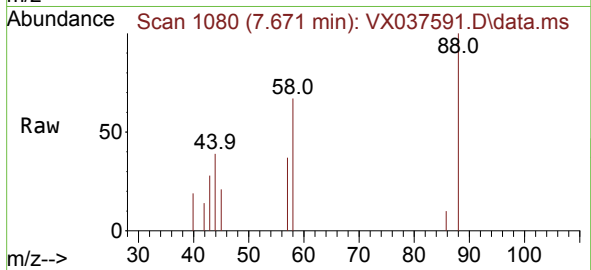




#49
1,4-Dioxane
Concen: 24.251 ug/l
RT: 7.671 min Scan# 1078
Delta R.T. 0.012 min
Lab File: VX037591.D
Acq: 07 Sep 2023 20:22

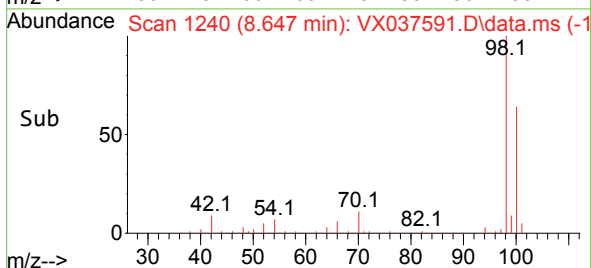
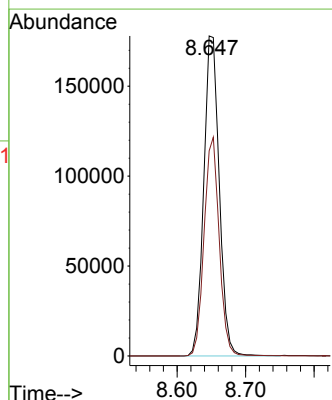
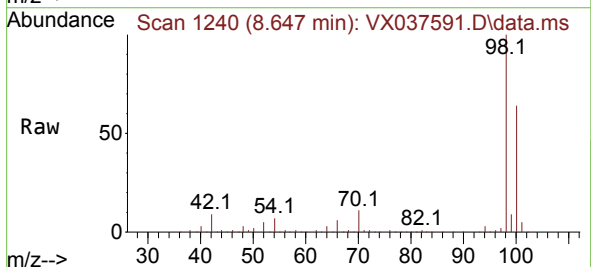
Instrument :
MSVOA_X
ClientSampleId :

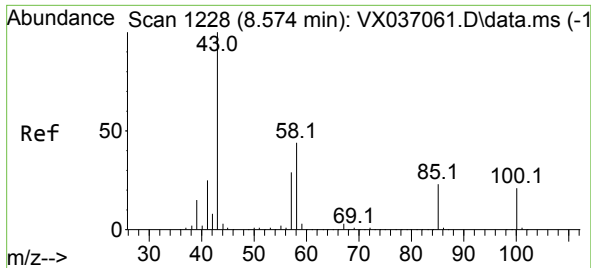
Tgt Ion: 88 Resp: 1198
Ion Ratio Lower Upper
88 100
43 24.2 0.0 0.0#
58 61.7 60.1 90.1



#50
Toluene-d8
Concen: 47.361 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX037591.D
Acq: 07 Sep 2023 20:22

Tgt Ion: 98 Resp: 280439
Ion Ratio Lower Upper
98 100
100 66.7 53.1 79.7

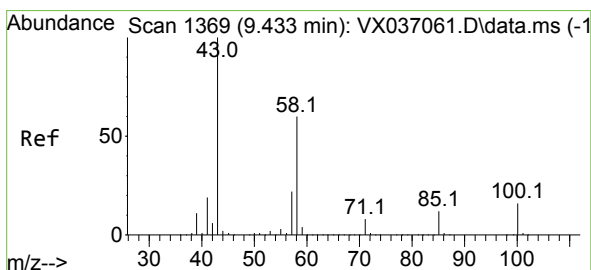
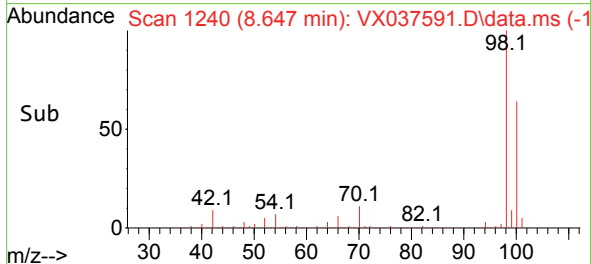
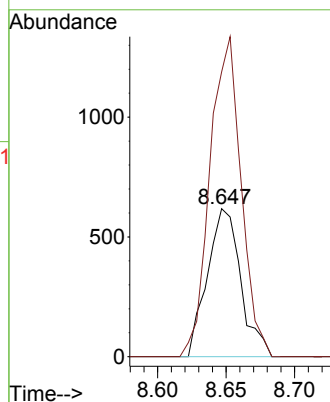
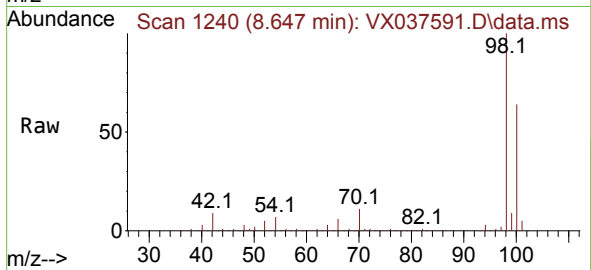




#51
 4-Methyl-2-Pentanone
 Concen: 0.458 ug/l
 RT: 8.647 min Scan# 11
 Delta R.T. 0.073 min
 Lab File: VX037591.D
 Acq: 07 Sep 2023 20:22

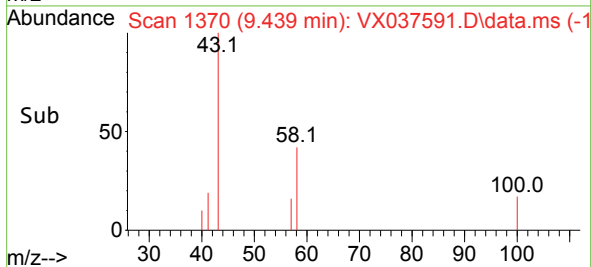
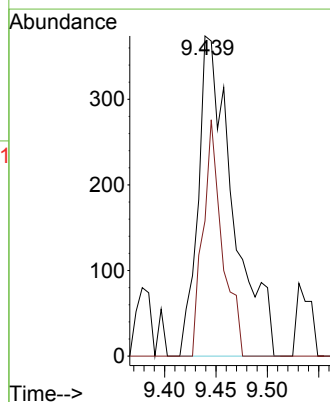
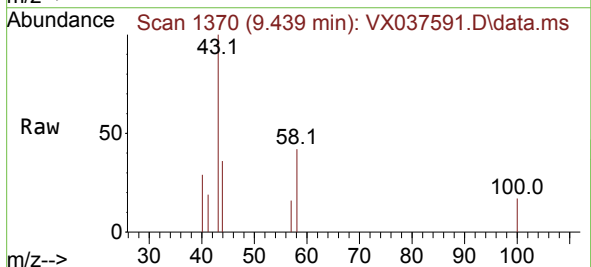
Instrument :
 MSVOA_X
 ClientSampleId :

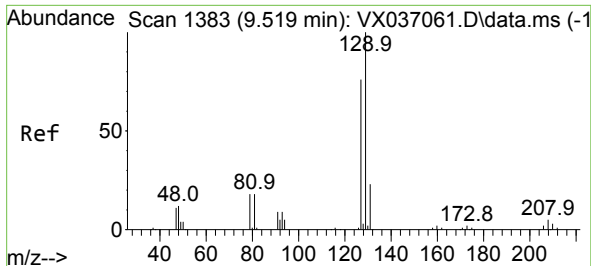
Tgt Ion: 43 Resp: 1046
 Ion Ratio Lower Upper
 43 100
 58 202.5 30.4 45.6#



#59
 2-Hexanone
 Concen: 0.505 ug/l
 RT: 9.439 min Scan# 1370
 Delta R.T. 0.006 min
 Lab File: VX037591.D
 Acq: 07 Sep 2023 20:22

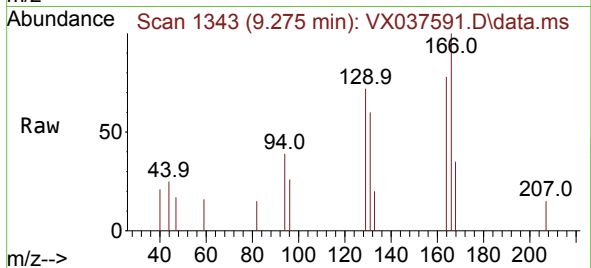
Tgt Ion: 43 Resp: 880
 Ion Ratio Lower Upper
 43 100
 58 40.9 26.2 78.5



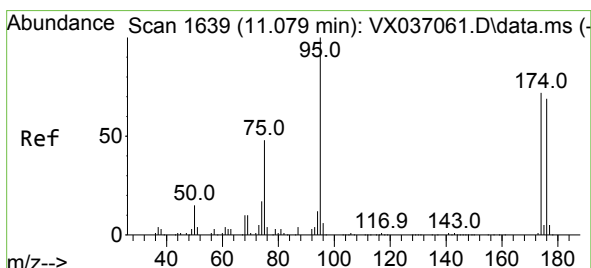
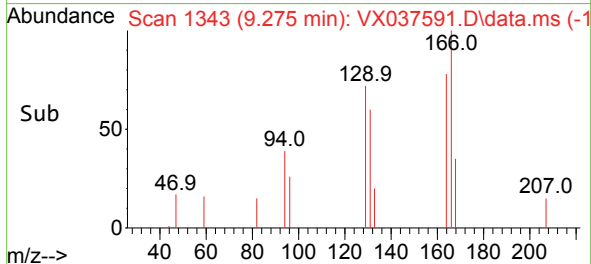
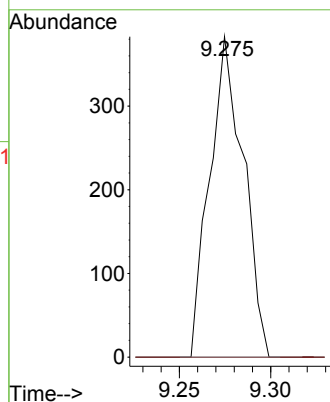


#60
Dibromochloromethane
Concen: 0.259 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX037591.D
Acq: 07 Sep 2023 20:22

Instrument :
MSVOA_X
ClientSampleId :

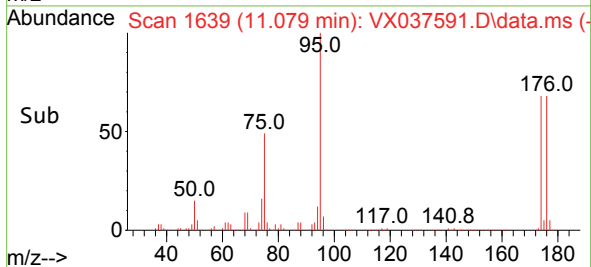
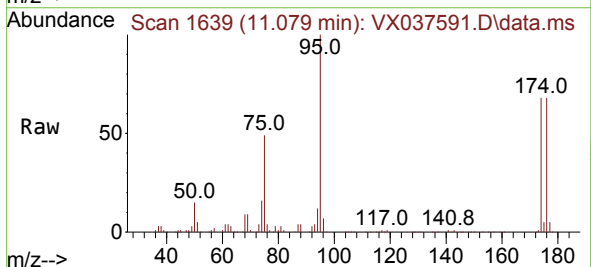
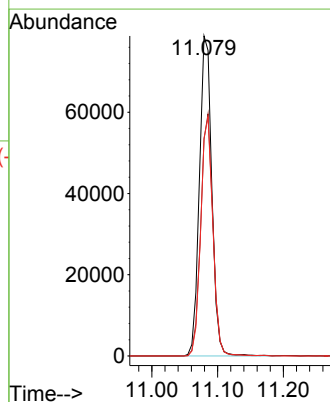


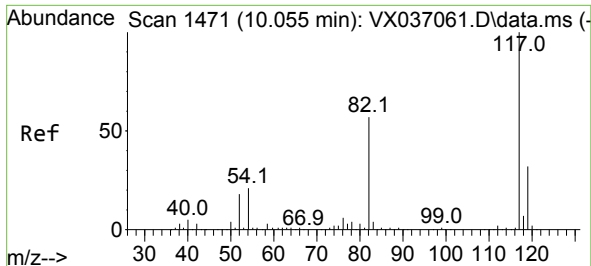
Tgt Ion:129 Resp: 493
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 44.223 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037591.D
Acq: 07 Sep 2023 20:22

Tgt Ion: 95 Resp: 102907
Ion Ratio Lower Upper
95 100
174 74.4 0.0 135.6
176 73.1 0.0 131.0

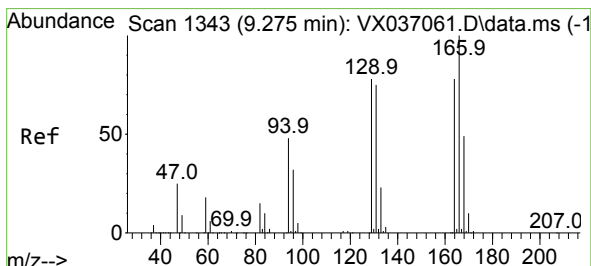
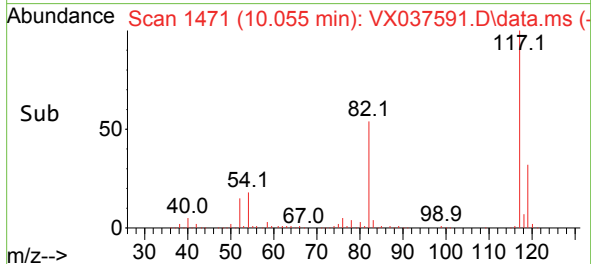
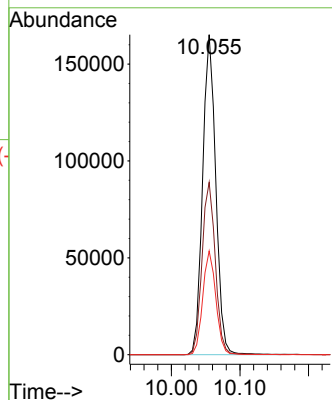
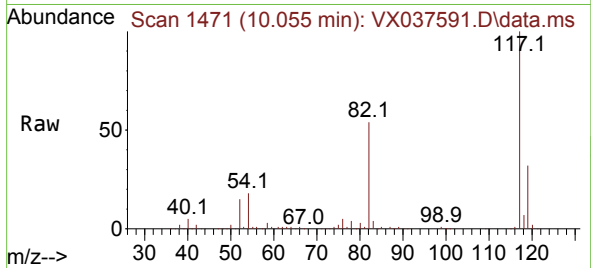




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037591.D
Acq: 07 Sep 2023 20:22

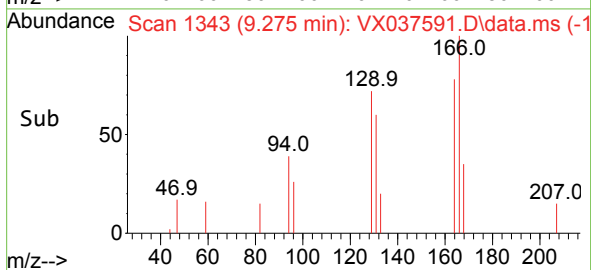
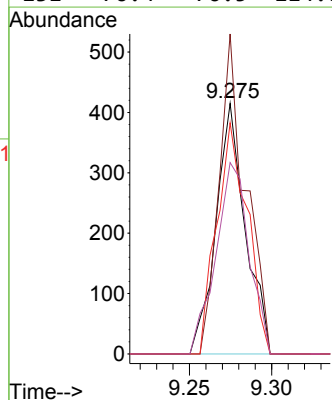
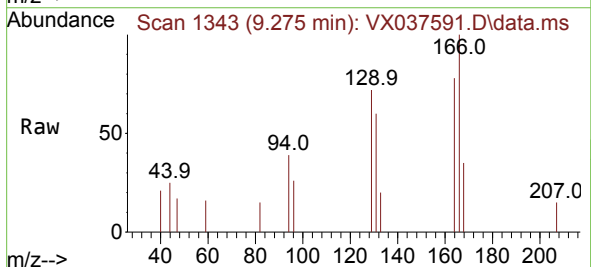
Instrument :
MSVOA_X
ClientSampleId :

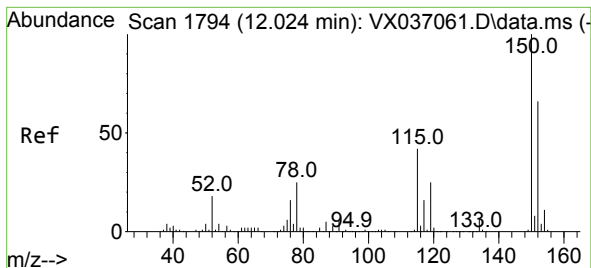
Tgt Ion:117 Resp: 220564
Ion Ratio Lower Upper
117 100
82 53.9 46.2 69.4
119 32.4 25.5 38.3



#64
Tetrachloroethene
Concen: 0.318 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX037591.D
Acq: 07 Sep 2023 20:22

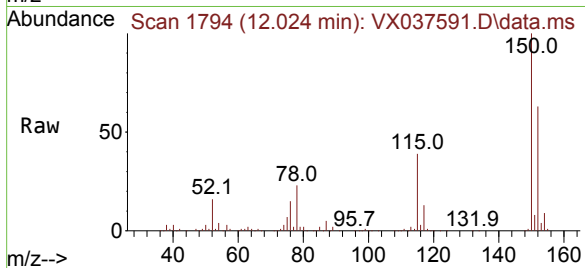
Tgt Ion:164 Resp: 512
Ion Ratio Lower Upper
164 100
166 127.7 102.7 154.1
129 92.3 80.4 120.6
131 76.4 76.5 114.7#



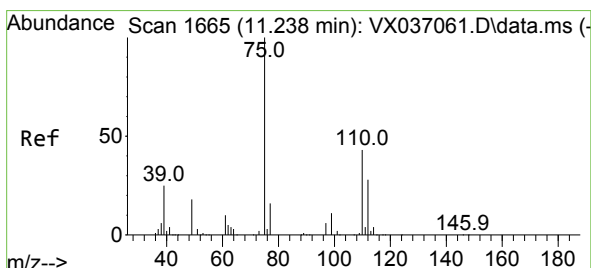
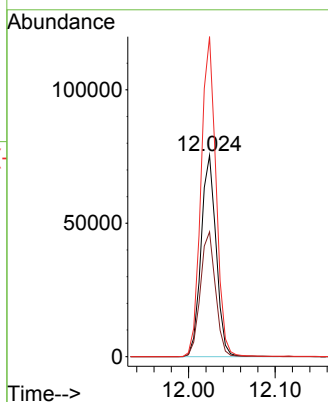
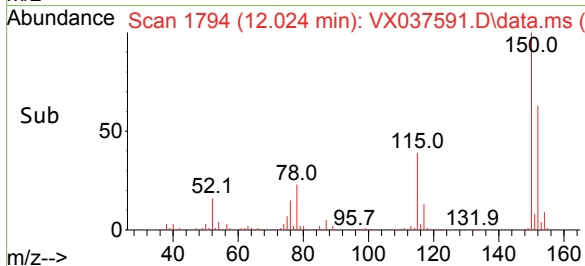


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037591.D
Acq: 07 Sep 2023 20:22

Instrument :
MSVOA_X
ClientSampleId :

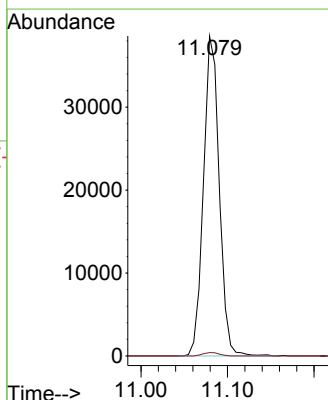
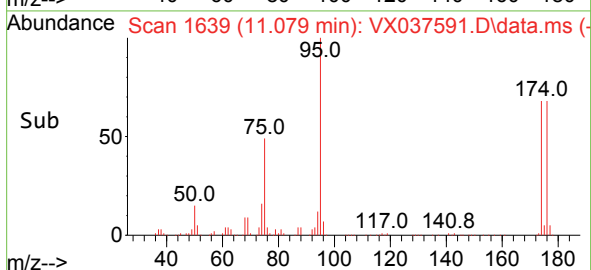
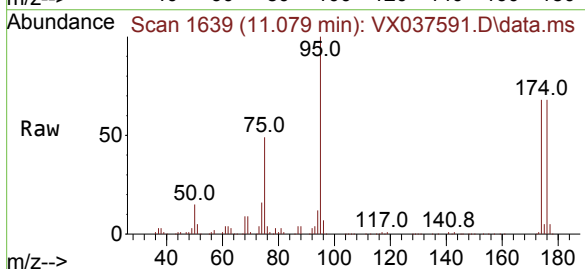


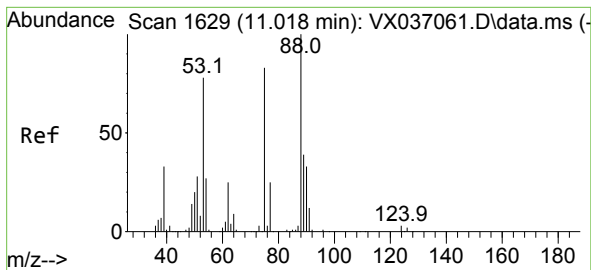
Tgt Ion:152 Resp: 91239
Ion Ratio Lower Upper
152 100
115 62.6 43.3 129.9
150 158.5 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 25.124 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX037591.D
Acq: 07 Sep 2023 20:22

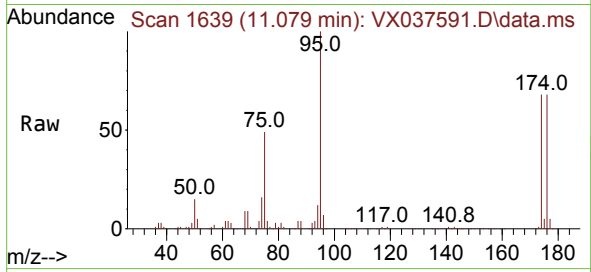
Tgt Ion: 75 Resp: 48818
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 70.172 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX037591.D
Acq: 07 Sep 2023 20:22

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 48818
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

