

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062824\
 Data File : VX042096.D
 Acq On : 28 Jun 2024 19:22
 Operator : JC/MD
 Sample : P3128-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-189-GW-638-640

Quant Time: Jun 29 04:24:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 23:51:58 2024
 Response via : Initial Calibration

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

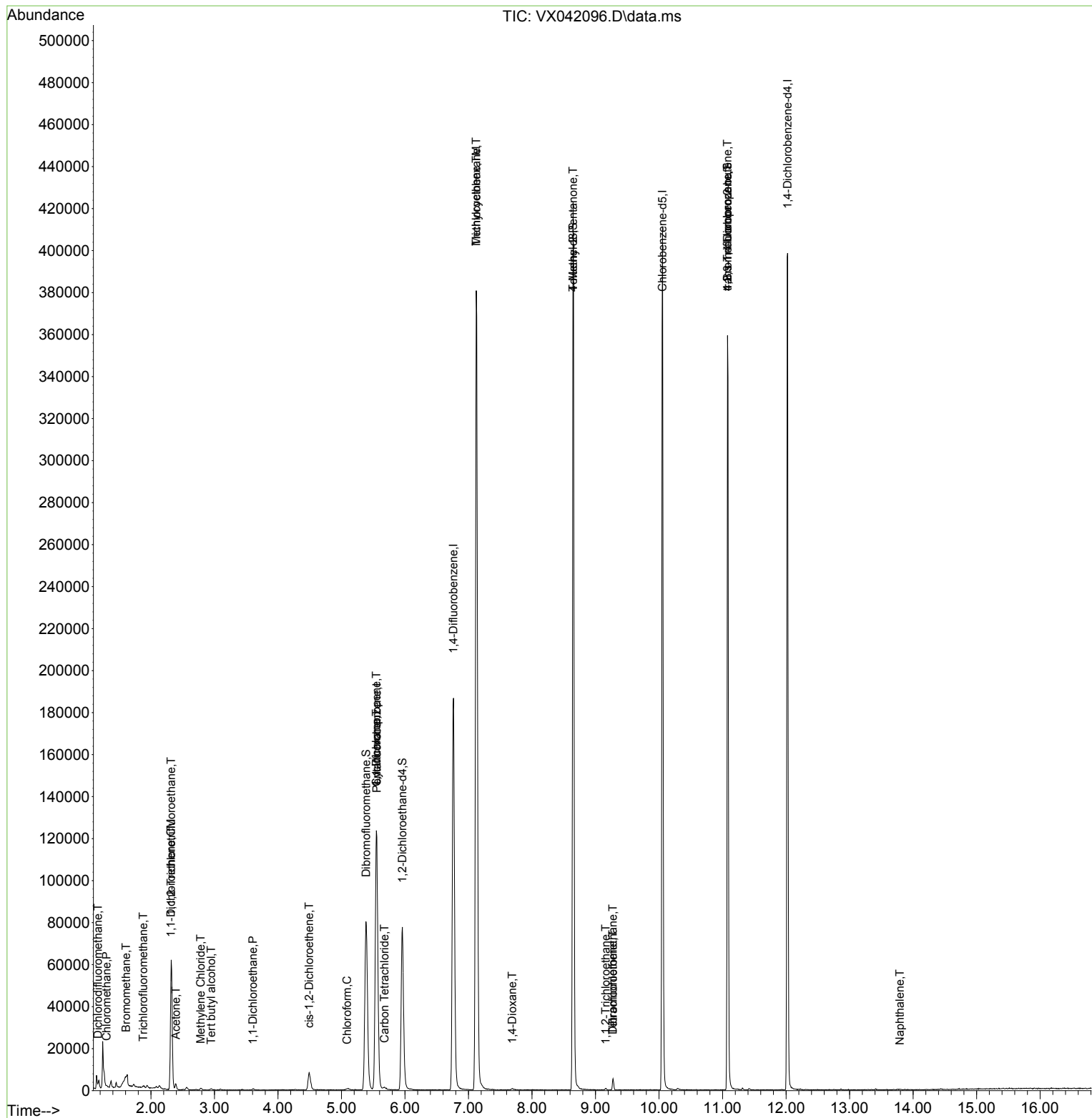
Internal Standards						
1) Pentafluorobenzene	5.556	168	138748	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	212522	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	207380	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98882	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	72536	45.337	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.680%		
35) Dibromofluoromethane	5.385	113	72228	47.898	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.800%		
50) Toluene-d8	8.647	98	263285	49.700	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.400%		
62) 4-Bromofluorobenzene	11.079	95	96595	49.465	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.920%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	928	0.878	ug/l	99
3) Chloromethane	1.301	50	433	0.327	ug/l #	86
5) Bromomethane	1.605	94	157	0.239	ug/l #	3
6) Chloroethane	1.666	64	427	Below Cal	#	43
7) Trichlorofluoromethane	1.880	101	416	0.239	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	22551	18.797	ug/l #	85
11) Tert butyl alcohol	2.947	59	351	1.156	ug/l #	78
12) 1,1-Dichloroethene	2.313	96	2431	2.031	ug/l #	76
16) Acetone	2.392	43	2111	3.005	ug/l	92
20) Methylene Chloride	2.782	84	486	0.316	ug/l #	62
24) 1,1-Dichloroethane	3.605	63	955	0.425	ug/l #	83
27) cis-1,2-Dichloroethene	4.489	96	5932	3.900	ug/l	78
30) Chloroform	5.086	83	521	0.223	ug/l #	83
31) Cyclohexane	5.550	56	1935	1.034	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	7654	4.780	ug/l #	51
38) Carbon Tetrachloride	5.678	117	1024	0.579	ug/l #	80
39) Methylcyclohexane	7.123	83	1664	0.822	ug/l #	1
44) Trichloroethene	7.123	130	168796	116.601	ug/l	86
49) 1,4-Dioxane	7.690	88	753	38.184	ug/l #	85
51) 4-Methyl-2-Pentanone	8.647	43	964	0.437	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	288	0.201	ug/l #	89
60) Dibromochloromethane	9.275	129	1019	0.655	ug/l #	11
64) Tetrachloroethene	9.275	164	1147	0.760	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	43675	24.330	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	43675	69.095	ug/l #	5
95) Naphthalene	13.792	128	316	0.792	ug/l #	69

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

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ClientSampleId :
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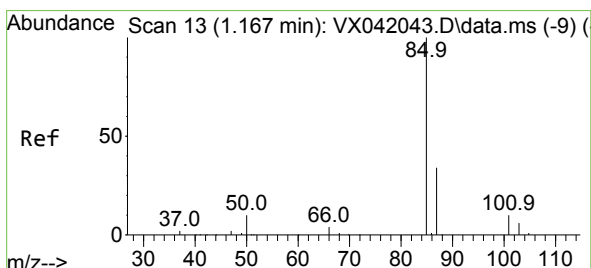
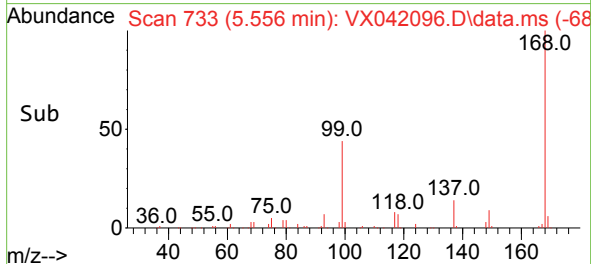
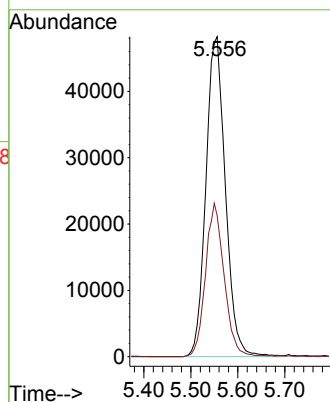
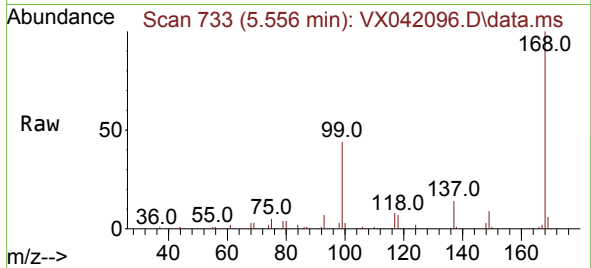




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX042096.D
Acq: 28 Jun 2024 19:22

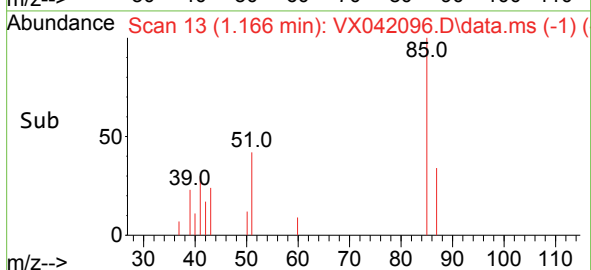
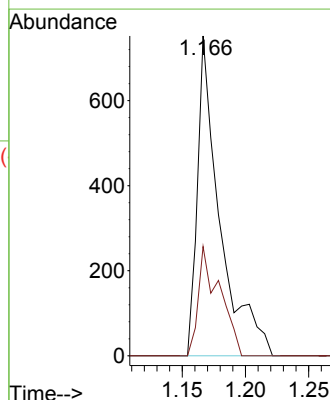
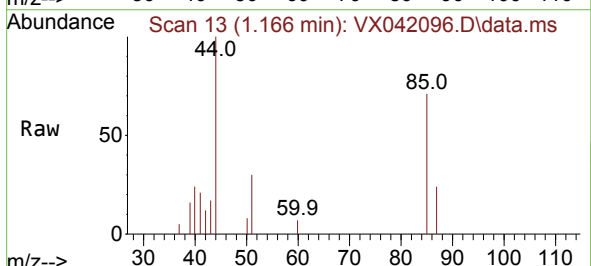
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-638-640

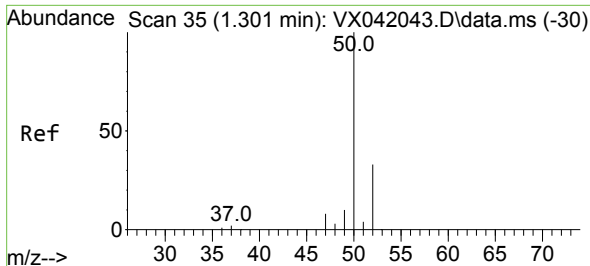
Tgt Ion:168 Resp: 138748
Ion Ratio Lower Upper
168 100
99 44.0 56.6 85.0#



#2
Dichlorodifluoromethane
Concen: 0.878 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX042096.D
Acq: 28 Jun 2024 19:22

Tgt Ion: 85 Resp: 928
Ion Ratio Lower Upper
85 100
87 34.2 16.7 50.1

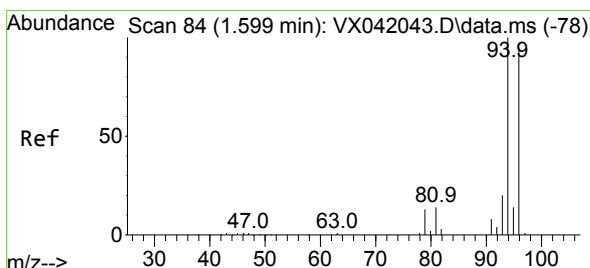
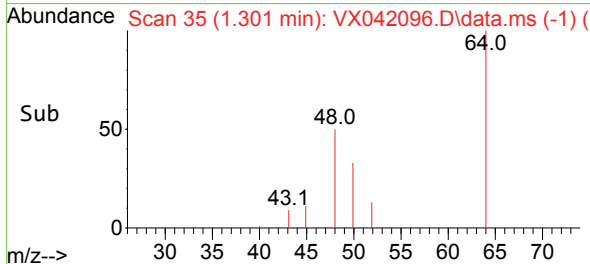
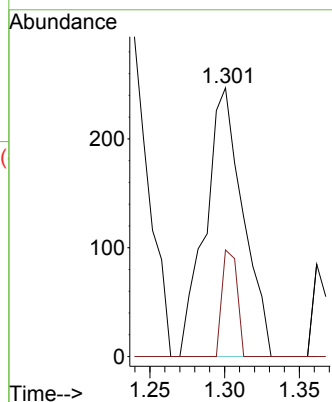
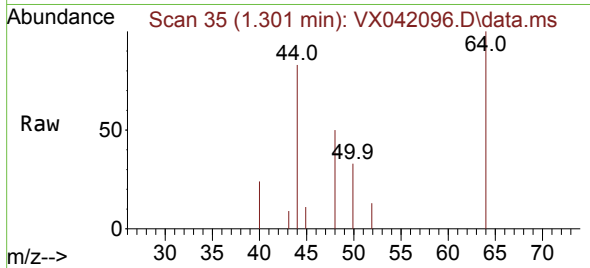




#3
Chloromethane
Concen: 0.327 ug/l
RT: 1.301 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX042096.D
Acq: 28 Jun 2024 19:22

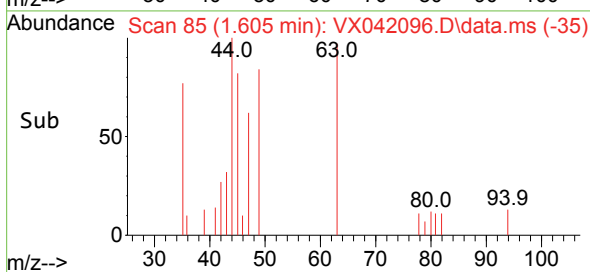
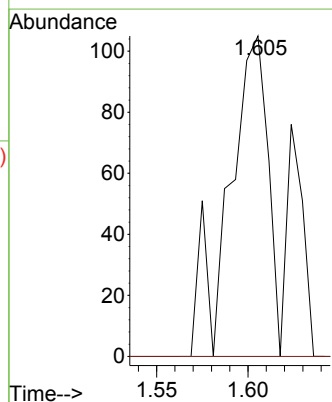
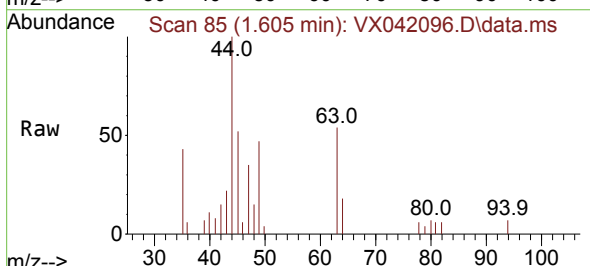
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-638-640

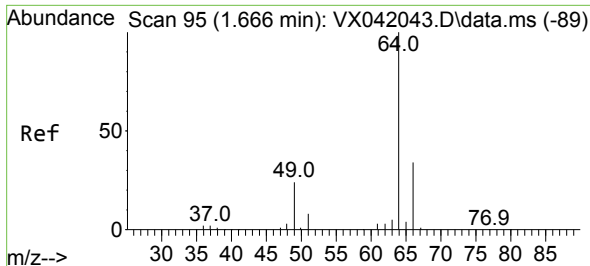
Tgt Ion: 50 Resp: 433
Ion Ratio Lower Upper
50 100
52 39.7 25.5 38.3#



#5
Bromomethane
Concen: 0.239 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX042096.D
Acq: 28 Jun 2024 19:22

Tgt Ion: 94 Resp: 157
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#

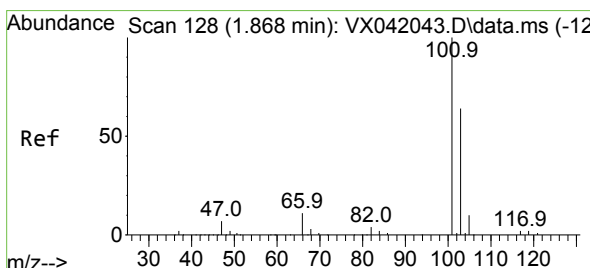
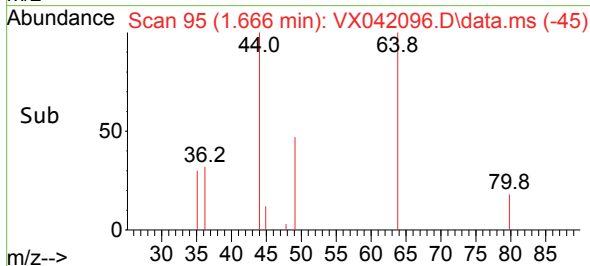
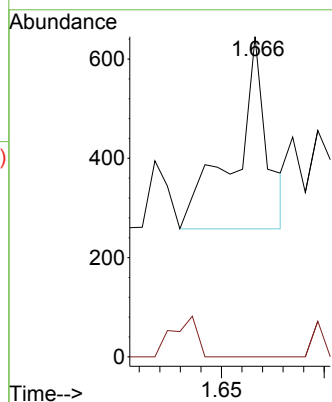
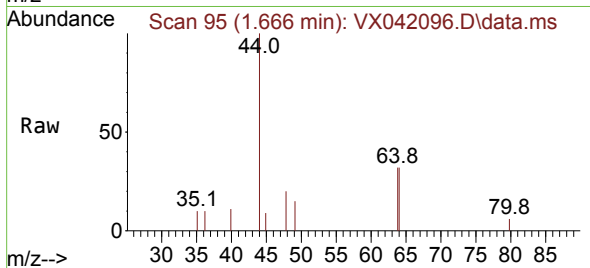




#6
Chloroethane
Concen: Below Cal
RT: 1.666 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX042096.D
Acq: 28 Jun 2024 19:22

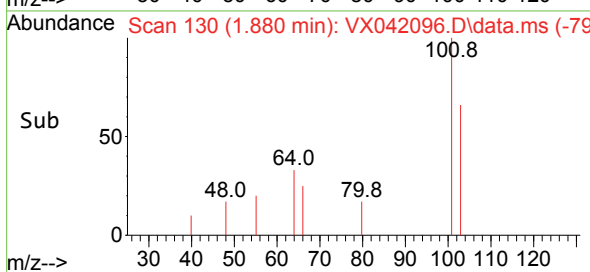
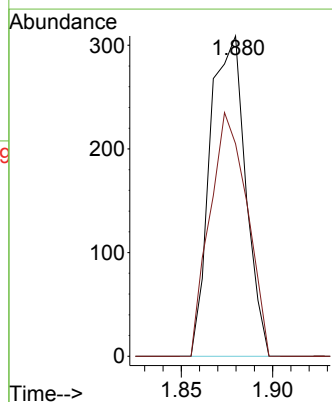
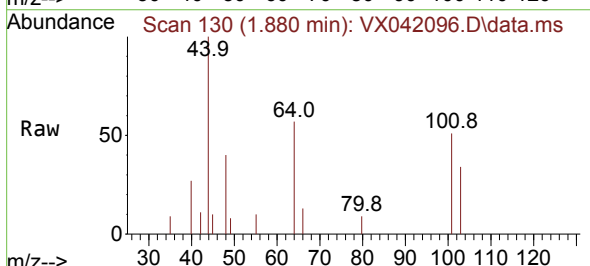
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-638-640

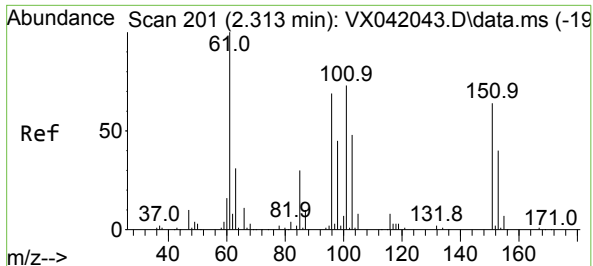
Tgt Ion: 64 Resp: 427
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#7
Trichlorofluoromethane
Concen: 0.239 ug/l
RT: 1.880 min Scan# 130
Delta R.T. 0.012 min
Lab File: VX042096.D
Acq: 28 Jun 2024 19:22

Tgt Ion: 101 Resp: 416
Ion Ratio Lower Upper
101 100
103 66.3 51.4 77.2

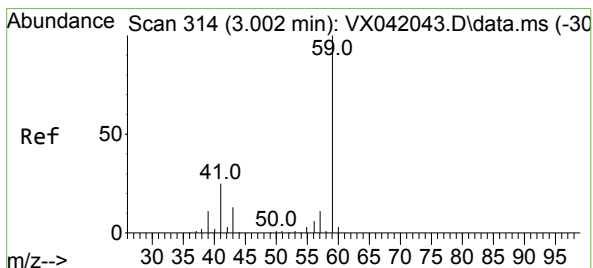
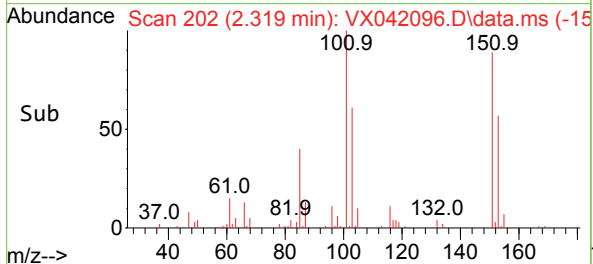
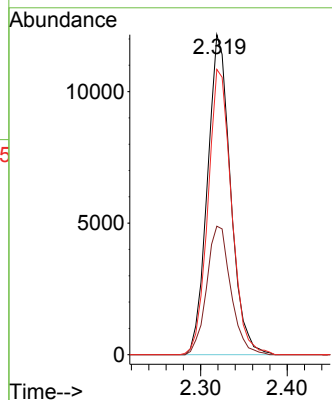
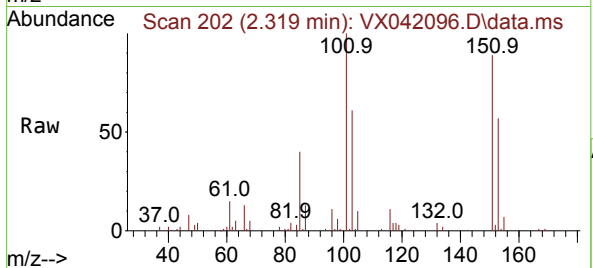




#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.797 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX042096.D
Acq: 28 Jun 2024 19:22

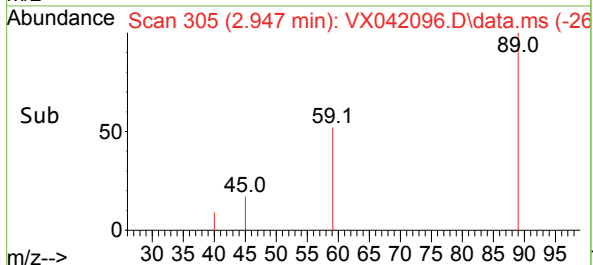
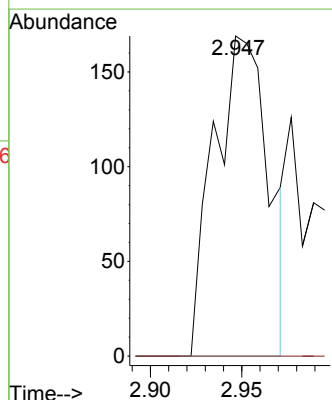
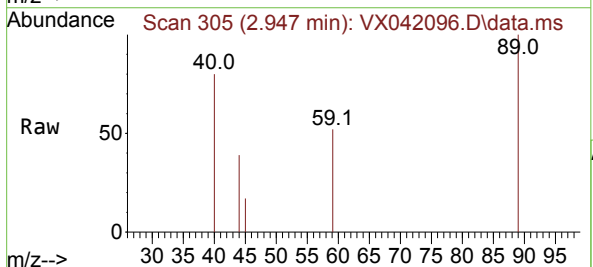
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-638-640

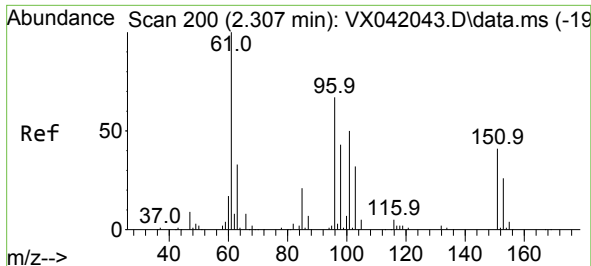
Tgt Ion:101 Resp: 22551
Ion Ratio Lower Upper
101 100
85 41.9 37.0 55.6
151 90.7 58.6 87.8#



#11
Tert butyl alcohol
Concen: 1.156 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.061 min
Lab File: VX042096.D
Acq: 28 Jun 2024 19:22

Tgt Ion: 59 Resp: 351
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#12

1,1-Dichloroethene

Concen: 2.031 ug/l

RT: 2.313 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX042096.D

Acq: 28 Jun 2024 19:22

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-189-GW-638-640

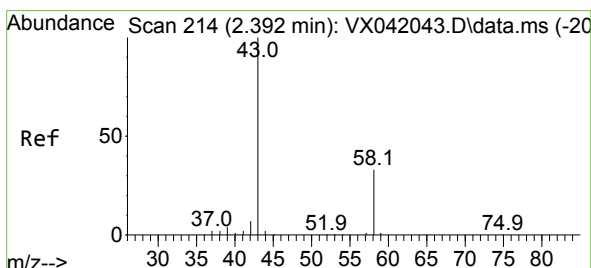
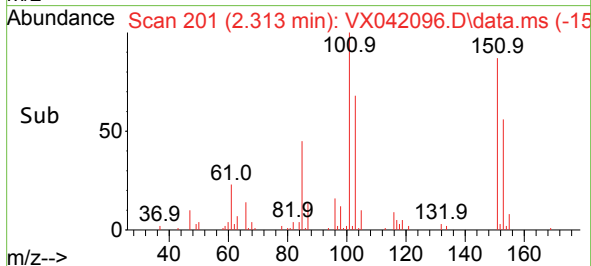
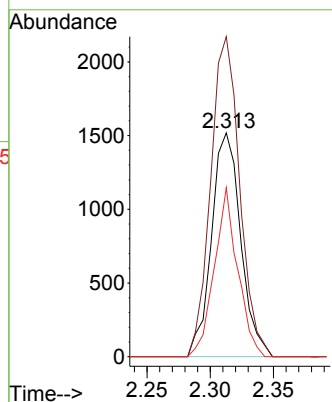
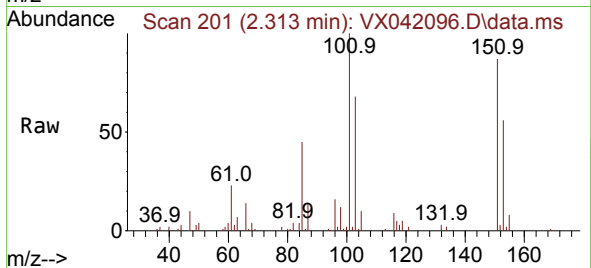
Tgt Ion: 96 Resp: 2431

Ion Ratio Lower Upper

96 100

61 142.9 144.6 216.8#

98 75.4 50.4 75.6



#16

Acetone

Concen: 3.005 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX042096.D

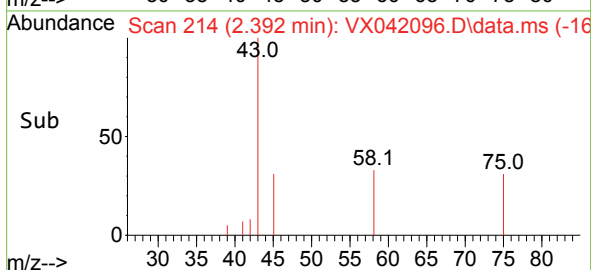
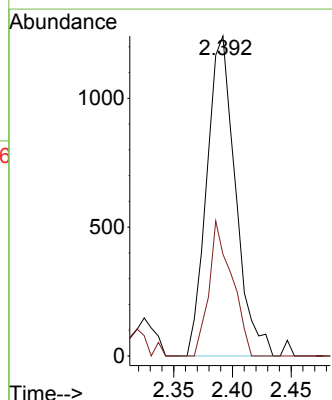
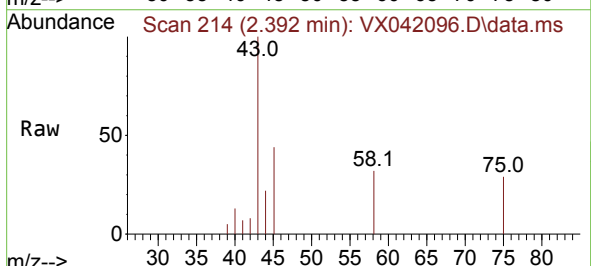
Acq: 28 Jun 2024 19:22

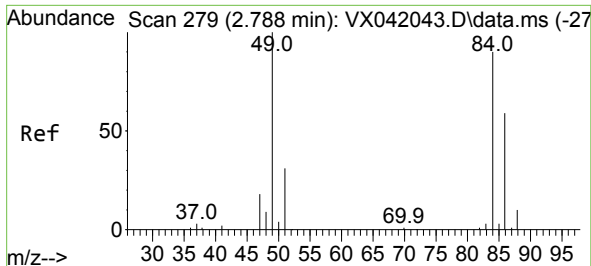
Tgt Ion: 43 Resp: 2111

Ion Ratio Lower Upper

43 100

58 31.8 21.9 32.9

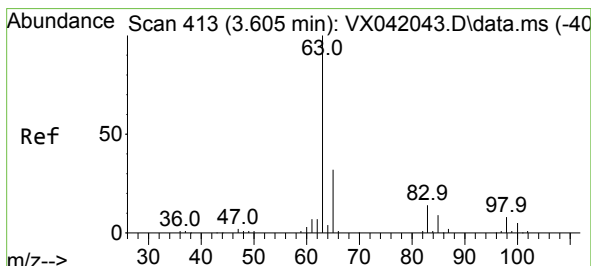
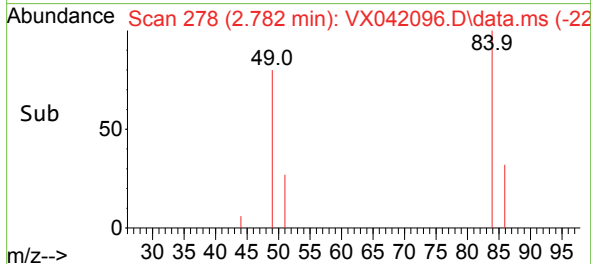
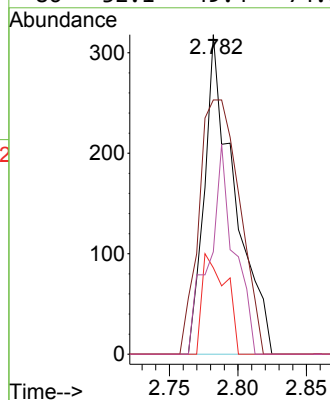
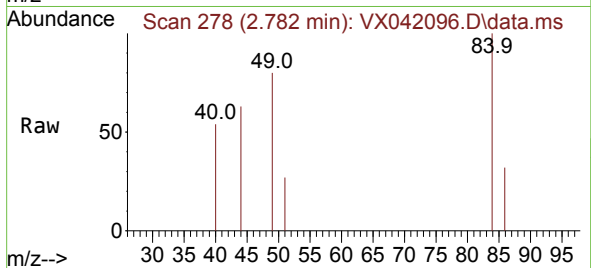




#20
Methylene Chloride
Concen: 0.316 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX042096.D
Acq: 28 Jun 2024 19:22

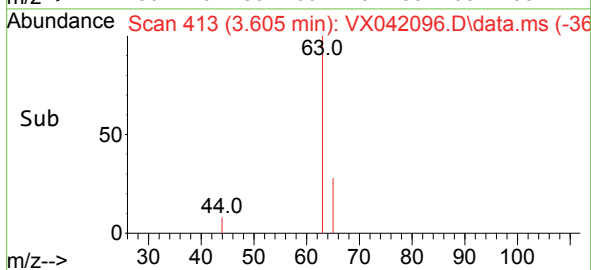
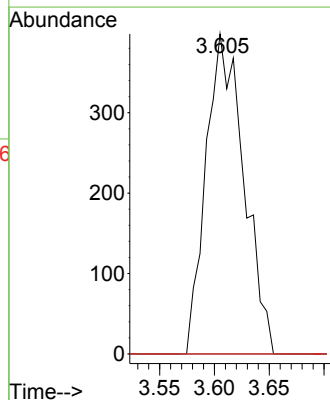
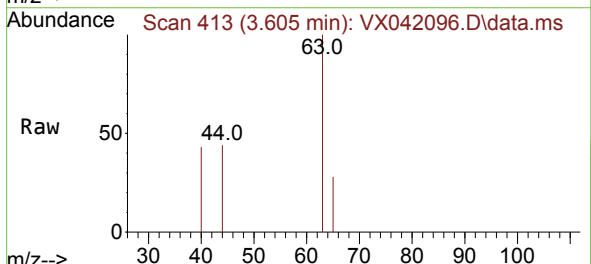
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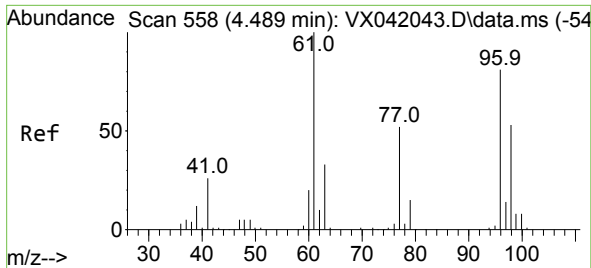
Tgt Ion: 84	Resp: 486
Ion Ratio	Lower Upper
84 100	
49 79.6	103.6 155.4#
51 27.0	33.8 50.6#
86 32.1	49.4 74.0#



#24
1,1-Dichloroethane
Concen: 0.425 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX042096.D
Acq: 28 Jun 2024 19:22

Tgt Ion: 63	Resp: 955
Ion Ratio	Lower Upper
63 100	
98 0.0	3.3 9.8#
100 0.0	2.1 6.5#





#27

cis-1,2-Dichloroethene

Concen: 3.900 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX042096.D

Acq: 28 Jun 2024 19:22

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-189-GW-638-640

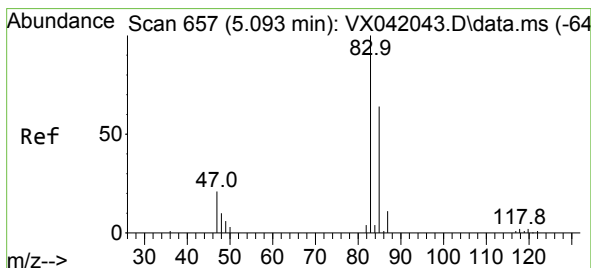
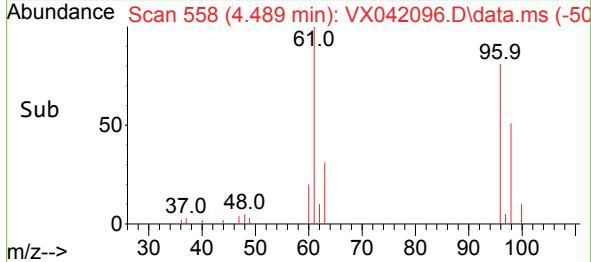
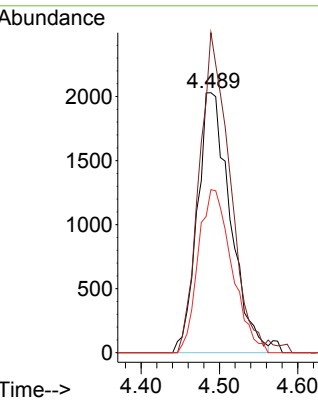
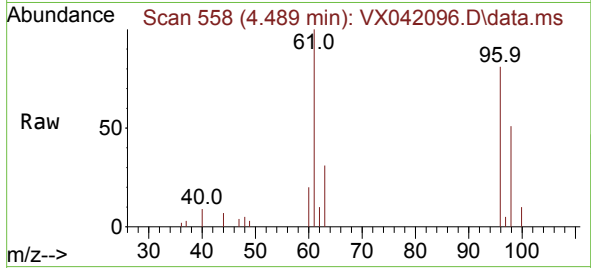
Tgt Ion: 96 Resp: 5932

Ion Ratio Lower Upper

96 100

61 116.0 0.0 312.2

98 64.1 0.0 129.0



#30

Chloroform

Concen: 0.223 ug/l

RT: 5.086 min Scan# 656

Delta R.T. -0.012 min

Lab File: VX042096.D

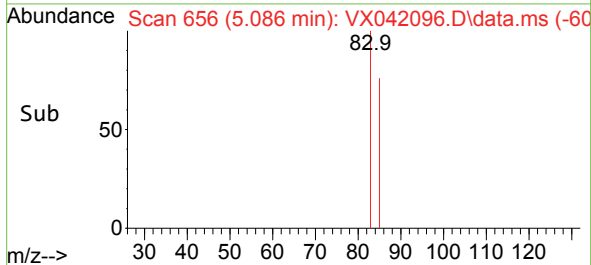
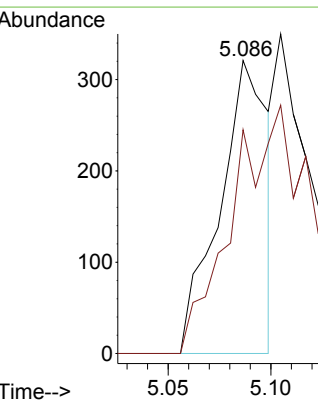
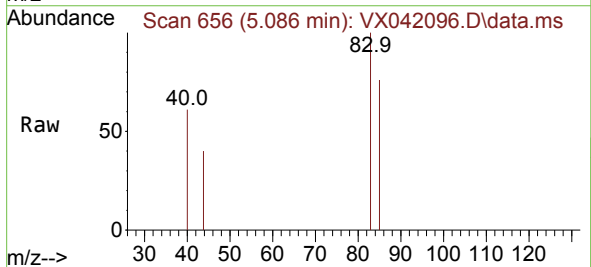
Acq: 28 Jun 2024 19:22

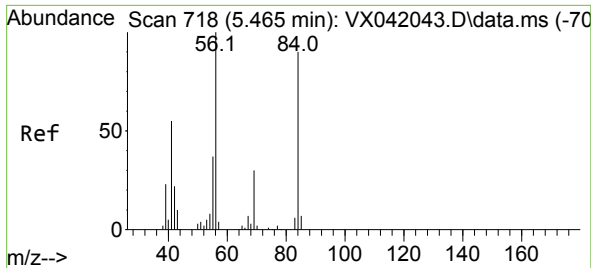
Tgt Ion: 83 Resp: 521

Ion Ratio Lower Upper

83 100

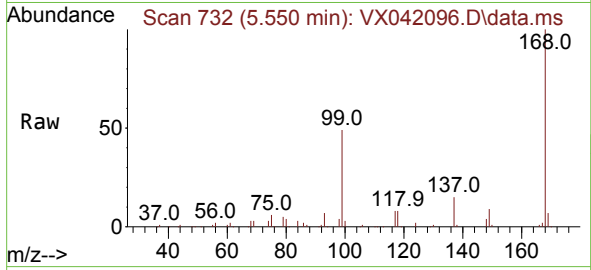
85 76.3 50.3 75.5#



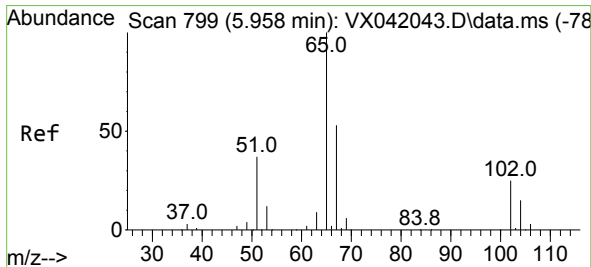
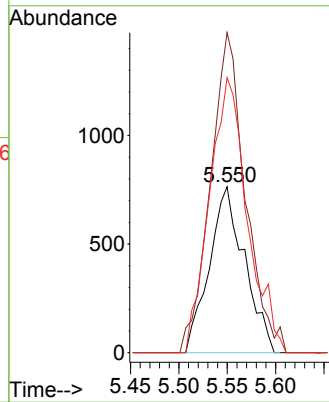
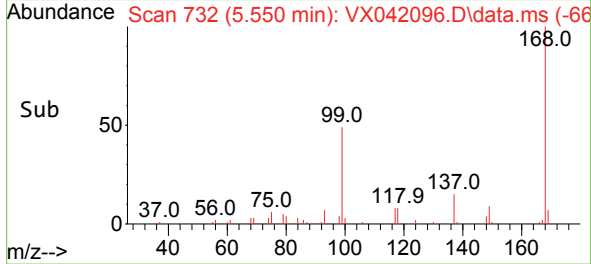


#31
Cyclohexane
Concen: 1.034 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX042096.D
Acq: 28 Jun 2024 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-638-640

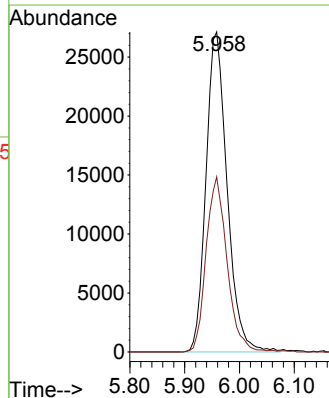
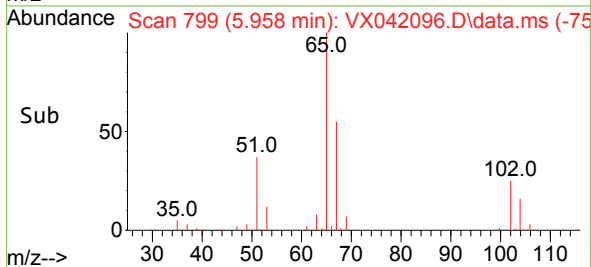
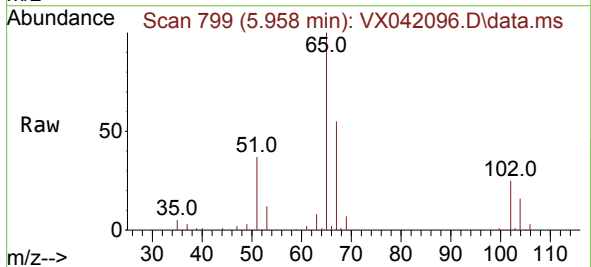


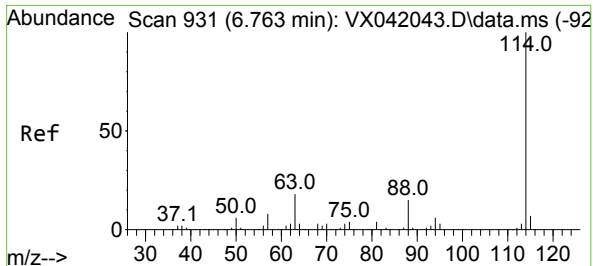
Tgt Ion: 56 Resp: 1935
Ion Ratio Lower Upper
56 100
69 192.8 23.4 35.2#
84 165.7 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 45.337 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX042096.D
Acq: 28 Jun 2024 19:22

Tgt Ion: 65 Resp: 72536
Ion Ratio Lower Upper
65 100
67 54.4 0.0 100.2

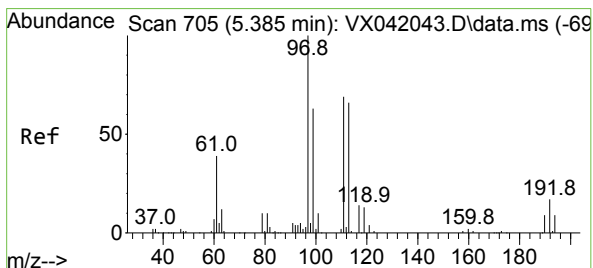
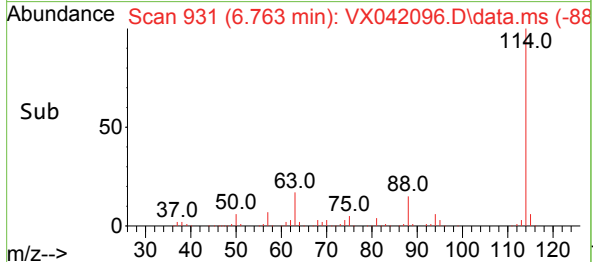
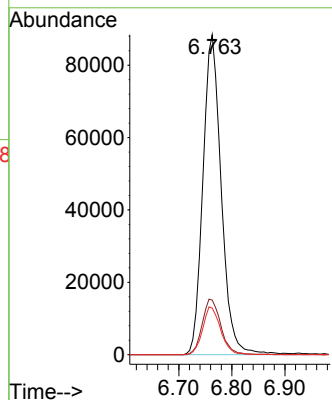
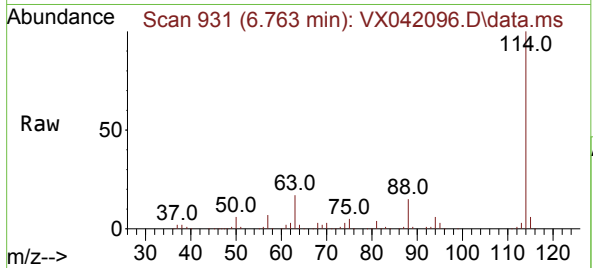




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX042096.D
Acq: 28 Jun 2024 19:22

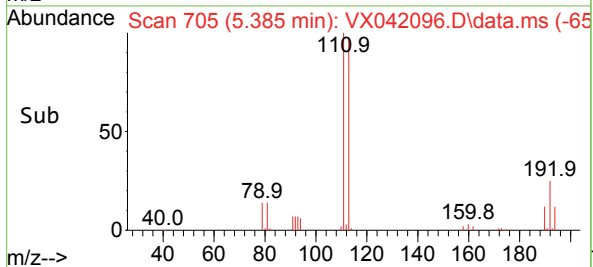
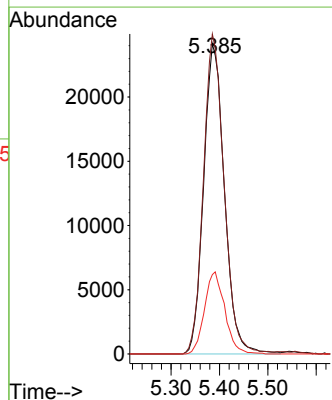
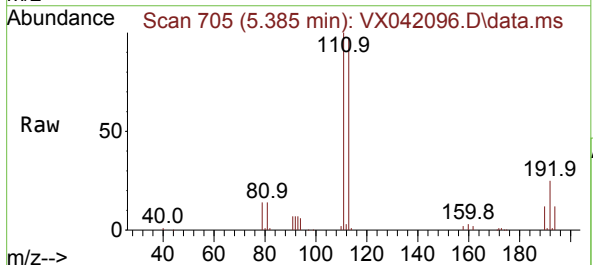
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-638-640

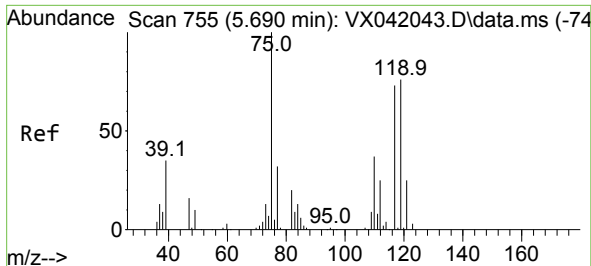
Tgt Ion:114 Resp: 212522
Ion Ratio Lower Upper
114 100
63 17.0 0.0 45.0
88 14.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.898 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX042096.D
Acq: 28 Jun 2024 19:22

Tgt Ion:113 Resp: 72228
Ion Ratio Lower Upper
113 100
111 102.2 82.9 124.3
192 25.8 13.3 19.9#

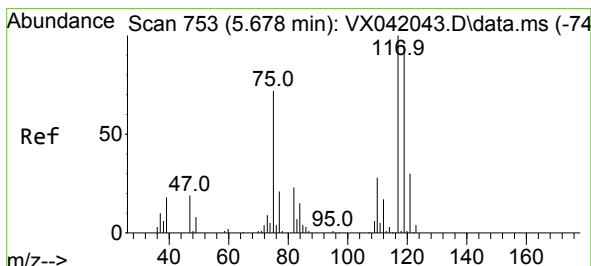
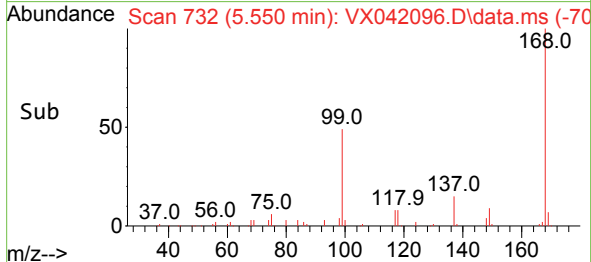
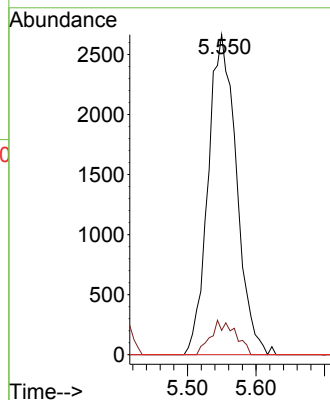
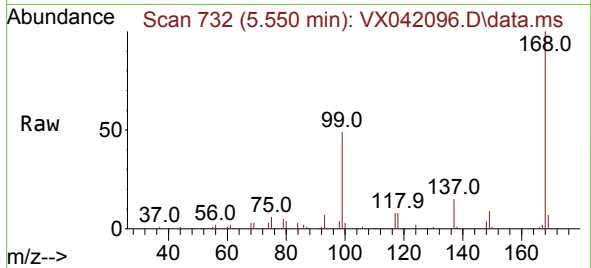




#36
1,1-Dichloropropene
Concen: 4.780 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX042096.D
Acq: 28 Jun 2024 19:22

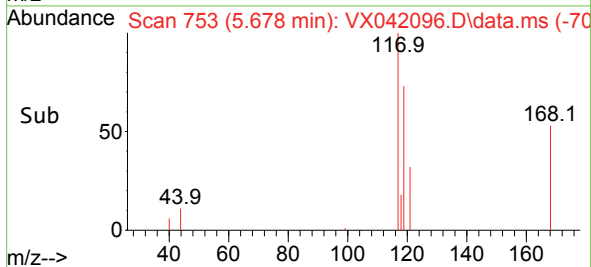
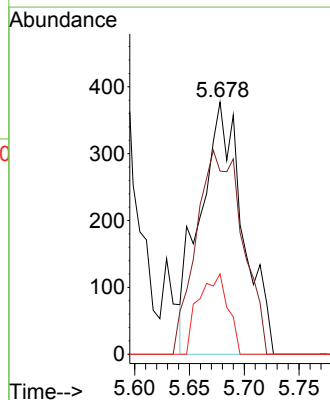
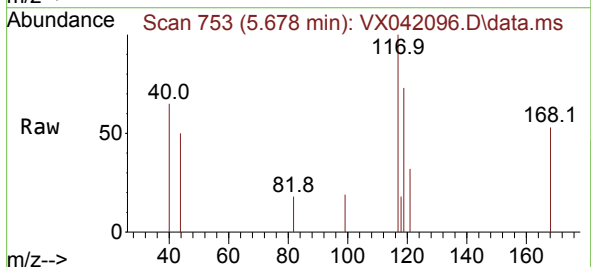
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-638-640

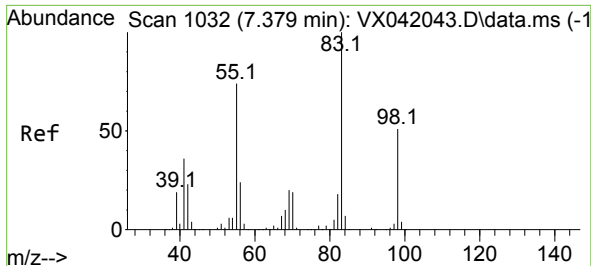
Tgt Ion: 75 Resp: 7654
Ion Ratio Lower Upper
75 100
110 9.3 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 0.579 ug/l
RT: 5.678 min Scan# 753
Delta R.T. 0.000 min
Lab File: VX042096.D
Acq: 28 Jun 2024 19:22

Tgt Ion: 117 Resp: 1024
Ion Ratio Lower Upper
117 100
119 72.7 78.2 117.2#
121 31.8 24.4 36.6

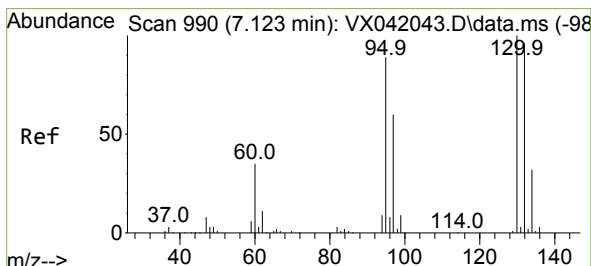
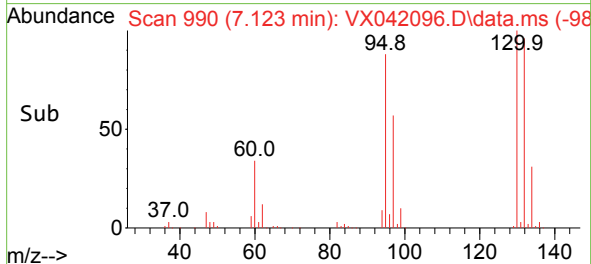
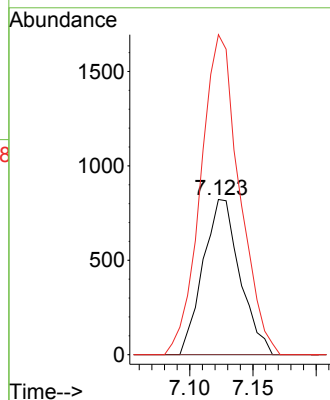
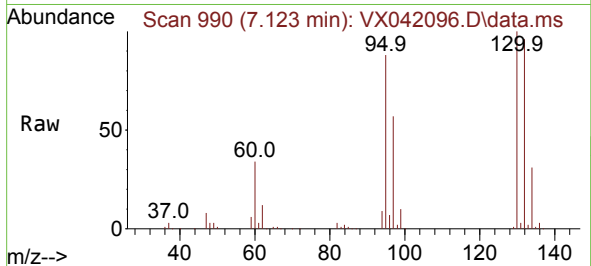




#39
Methylcyclohexane
Concen: 0.822 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX042096.D
Acq: 28 Jun 2024 19:22

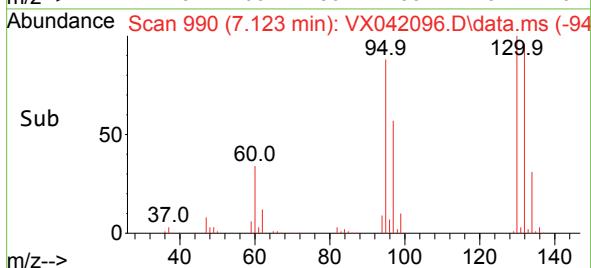
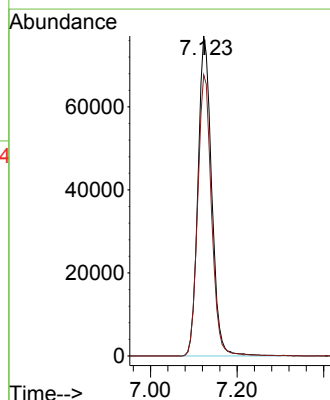
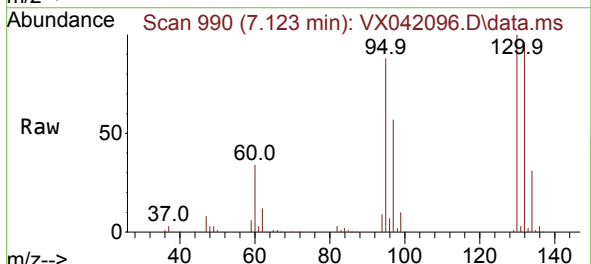
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-638-640

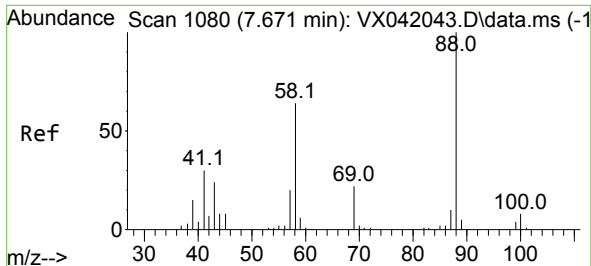
Tgt Ion: 83 Resp: 1664
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 206.2 36.7 55.1#



#44
Trichloroethene
Concen: 116.601 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.006 min
Lab File: VX042096.D
Acq: 28 Jun 2024 19:22

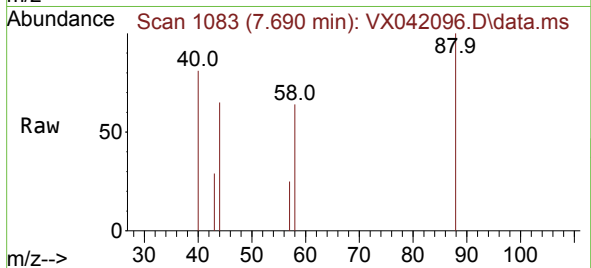
Tgt Ion:130 Resp: 168796
Ion Ratio Lower Upper
130 100
95 87.8 0.0 204.4



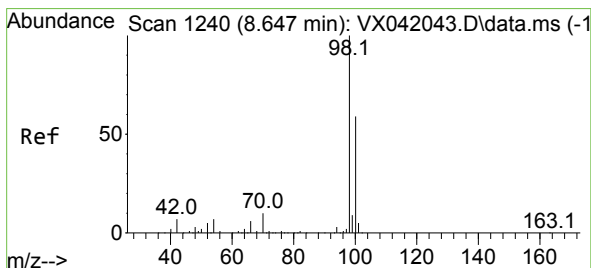
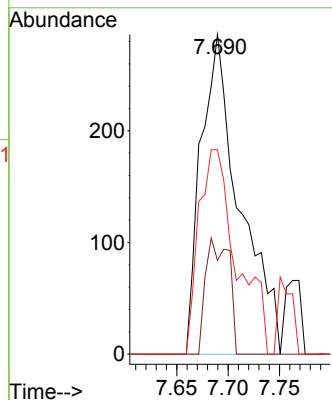
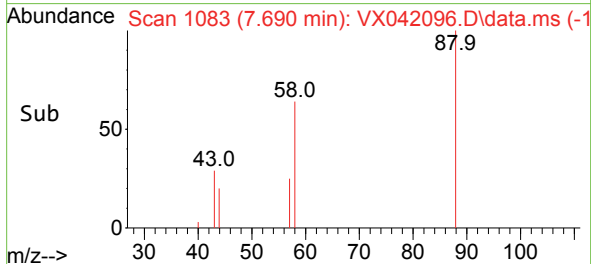


#49
1,4-Dioxane
Concen: 38.184 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.025 min
Lab File: VX042096.D
Acq: 28 Jun 2024 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-638-640

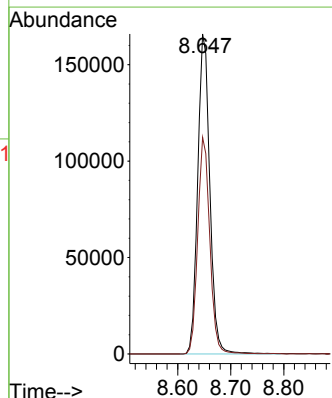
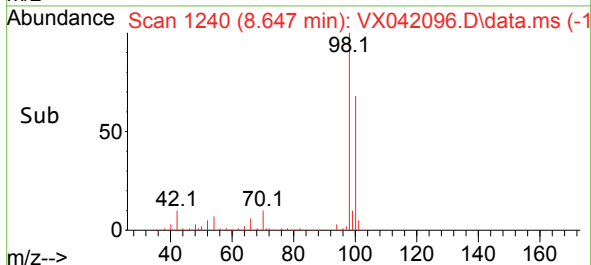
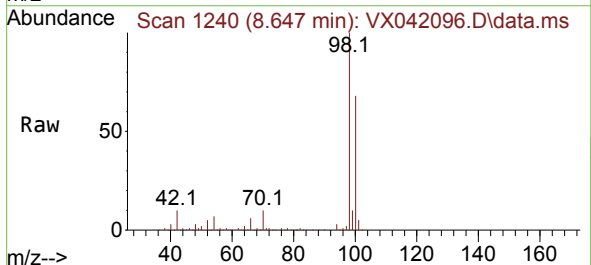


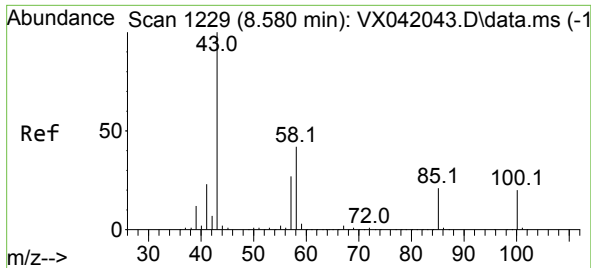
Tgt Ion: 88 Resp: 753
Ion Ratio Lower Upper
88 100
43 21.5 0.0 0.0#
58 62.5 60.1 90.1



#50
Toluene-d8
Concen: 49.700 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX042096.D
Acq: 28 Jun 2024 19:22

Tgt Ion: 98 Resp: 263285
Ion Ratio Lower Upper
98 100
100 67.4 53.1 79.7

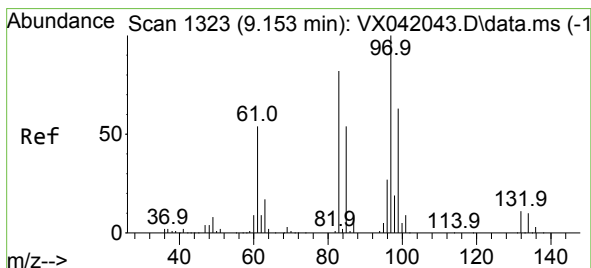
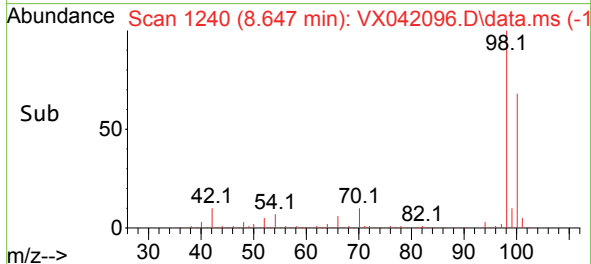
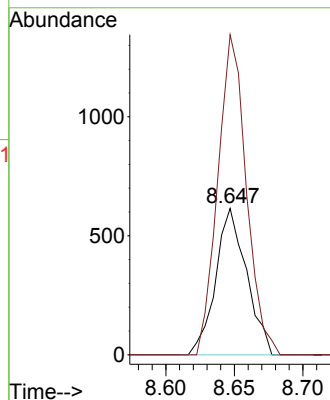
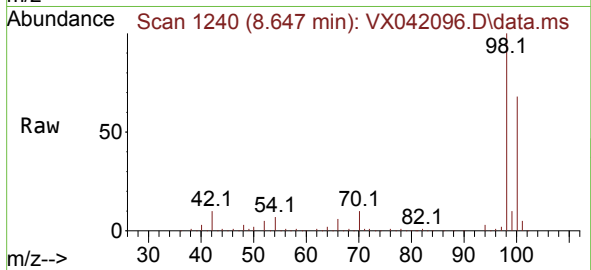




#51
4-Methyl-2-Pentanone
Concen: 0.437 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX042096.D
Acq: 28 Jun 2024 19:22

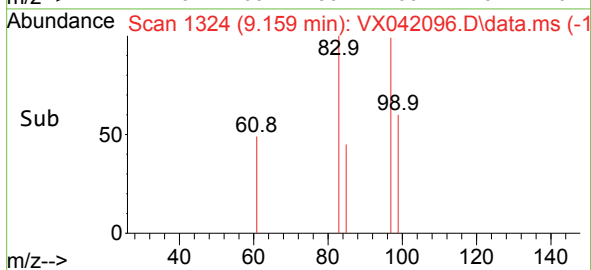
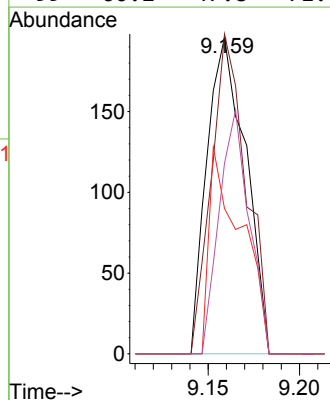
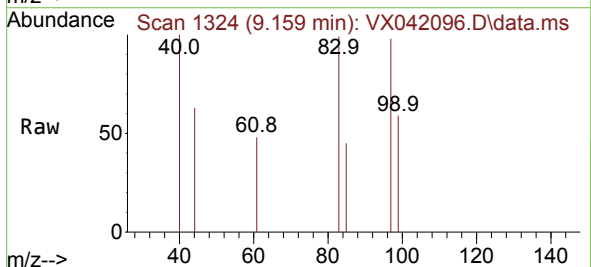
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-638-640

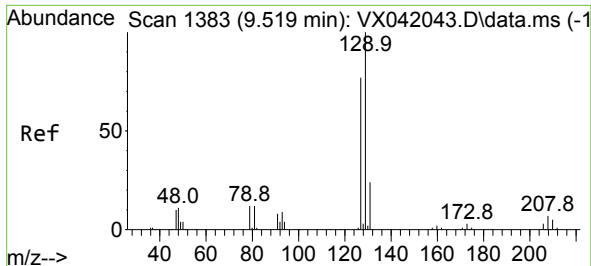
Tgt Ion: 43 Resp: 964
Ion Ratio Lower Upper
43 100
58 202.0 30.4 45.6#



#55
1,1,2-Trichloroethane
Concen: 0.201 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.006 min
Lab File: VX042096.D
Acq: 28 Jun 2024 19:22

Tgt Ion: 97 Resp: 288
Ion Ratio Lower Upper
97 100
83 101.0 65.8 98.8#
85 45.9 41.6 62.4
99 60.2 47.8 71.8

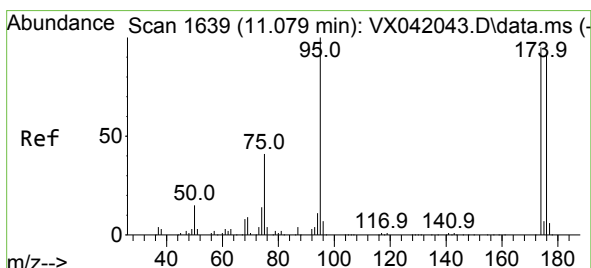
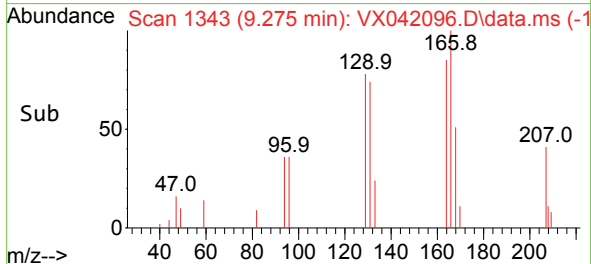
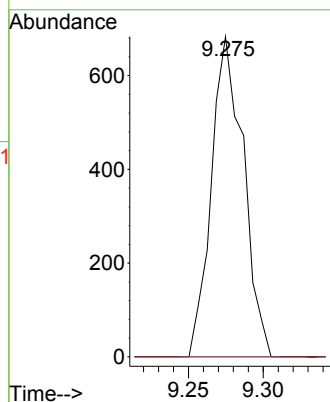
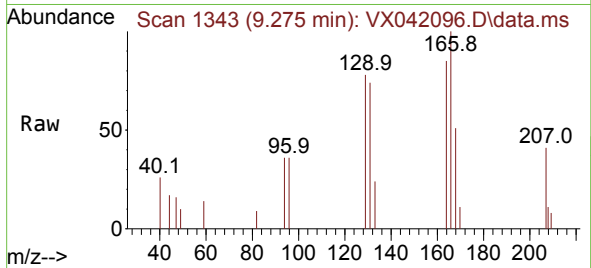




#60
Dibromochloromethane
Concen: 0.655 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX042096.D
Acq: 28 Jun 2024 19:22

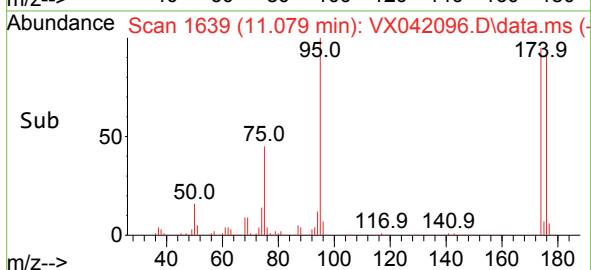
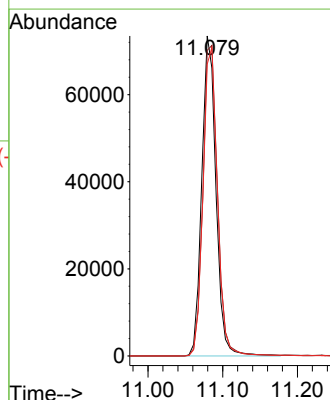
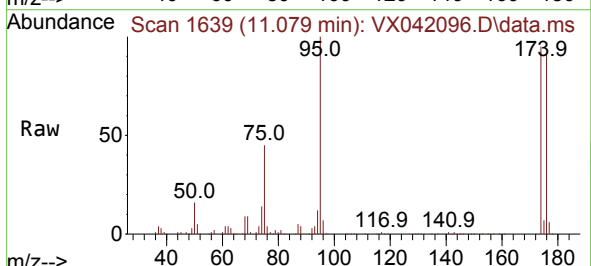
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-638-640

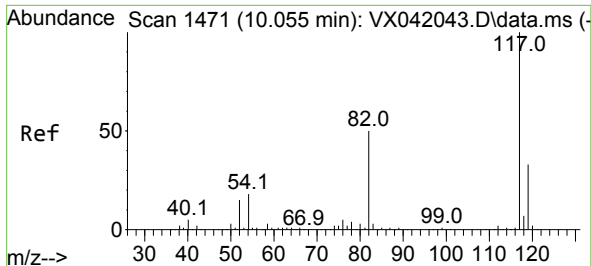
Tgt Ion:129 Resp: 1019
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 49.465 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042096.D
Acq: 28 Jun 2024 19:22

Tgt Ion: 95 Resp: 96595
Ion Ratio Lower Upper
95 100
174 100.6 0.0 135.6
176 97.9 0.0 131.0

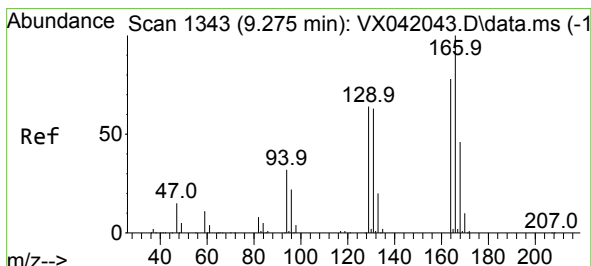
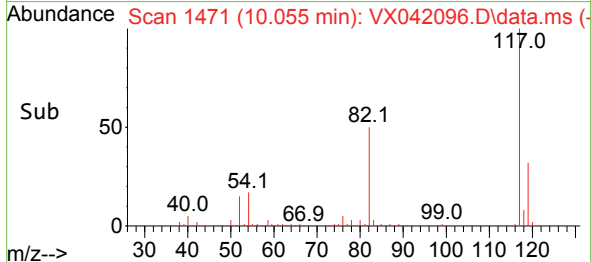
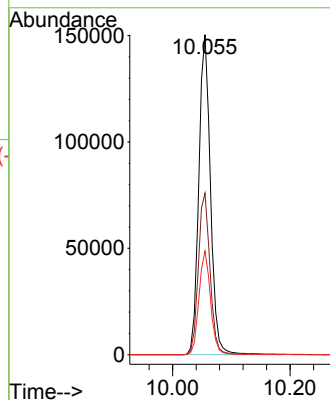
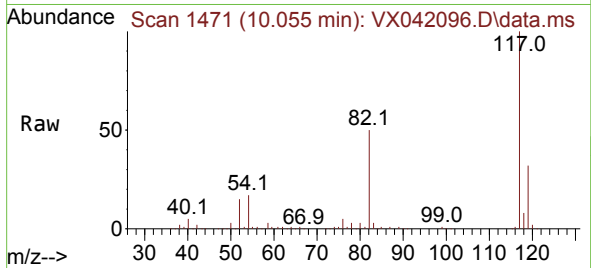




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX042096.D
Acq: 28 Jun 2024 19:22

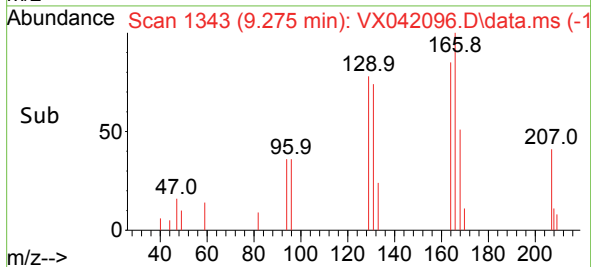
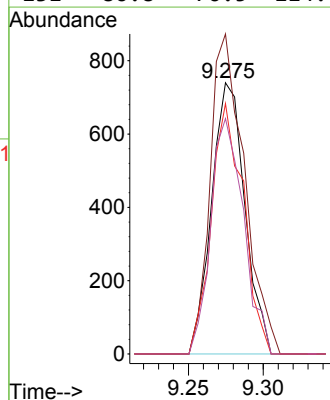
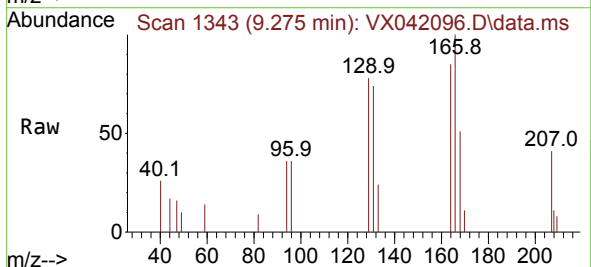
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-638-640

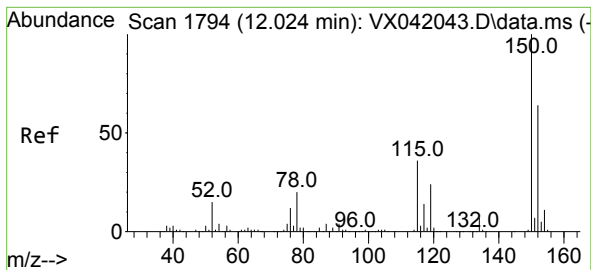
Tgt Ion:117 Resp: 207380
Ion Ratio Lower Upper
117 100
82 50.4 46.2 69.4
119 32.4 25.5 38.3



#64
Tetrachloroethene
Concen: 0.760 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX042096.D
Acq: 28 Jun 2024 19:22

Tgt Ion:164 Resp: 1147
Ion Ratio Lower Upper
164 100
166 118.0 102.7 154.1
129 92.3 80.4 120.6
131 86.8 76.5 114.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX042096.D

Acq: 28 Jun 2024 19:22

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-189-GW-638-640

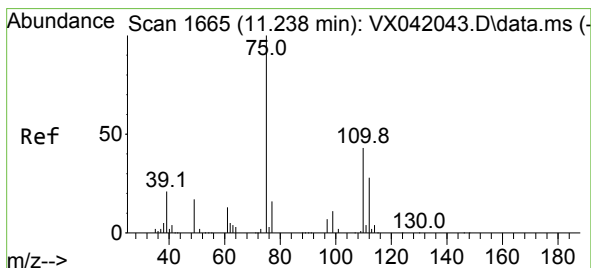
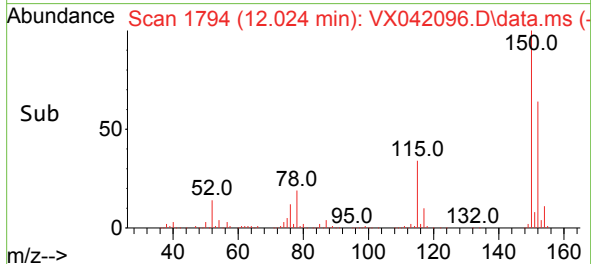
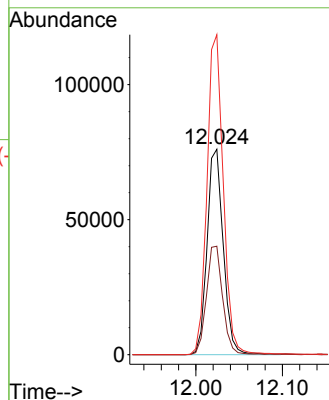
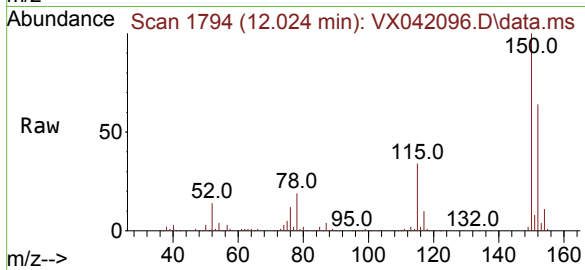
Tgt Ion:152 Resp: 98882

Ion Ratio Lower Upper

152 100

115 53.3 43.3 129.9

150 156.8 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 24.330 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX042096.D

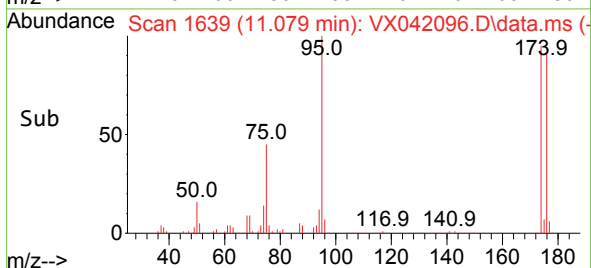
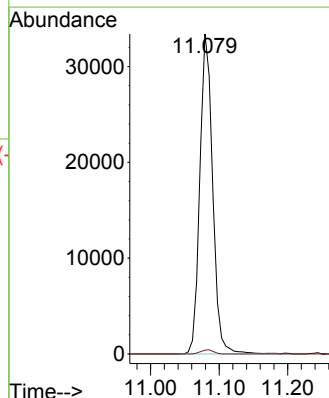
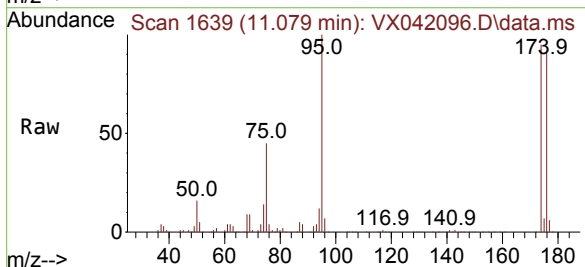
Acq: 28 Jun 2024 19:22

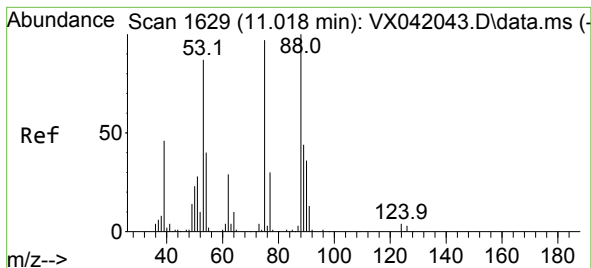
Tgt Ion: 75 Resp: 43675

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#

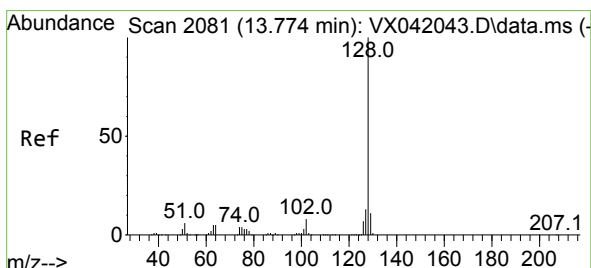
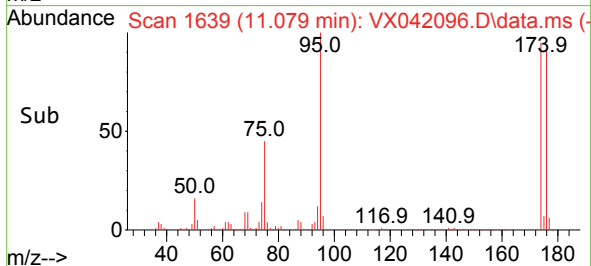
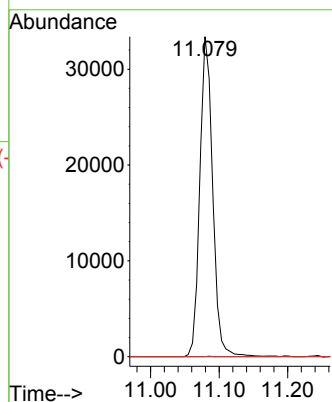
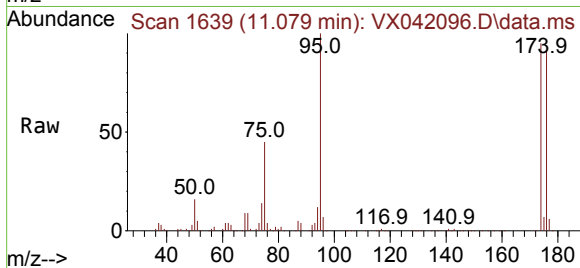




#81
trans-1,4-Dichloro-2-butene
Concen: 69.095 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX042096.D
Acq: 28 Jun 2024 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-638-640

Tgt Ion: 75 Resp: 43675
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.1 36.9 55.3#



#95
Naphthalene
Concen: 0.792 ug/l
RT: 13.792 min Scan# 2084
Delta R.T. 0.018 min
Lab File: VX042096.D
Acq: 28 Jun 2024 19:22

Tgt Ion: 128 Resp: 316
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

