

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062824\
 Data File : VX042097.D
 Acq On : 28 Jun 2024 19:45
 Operator : JC/MD
 Sample : P3128-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-189-DUP-20240627

Quant Time: Jun 29 04:24:57 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)

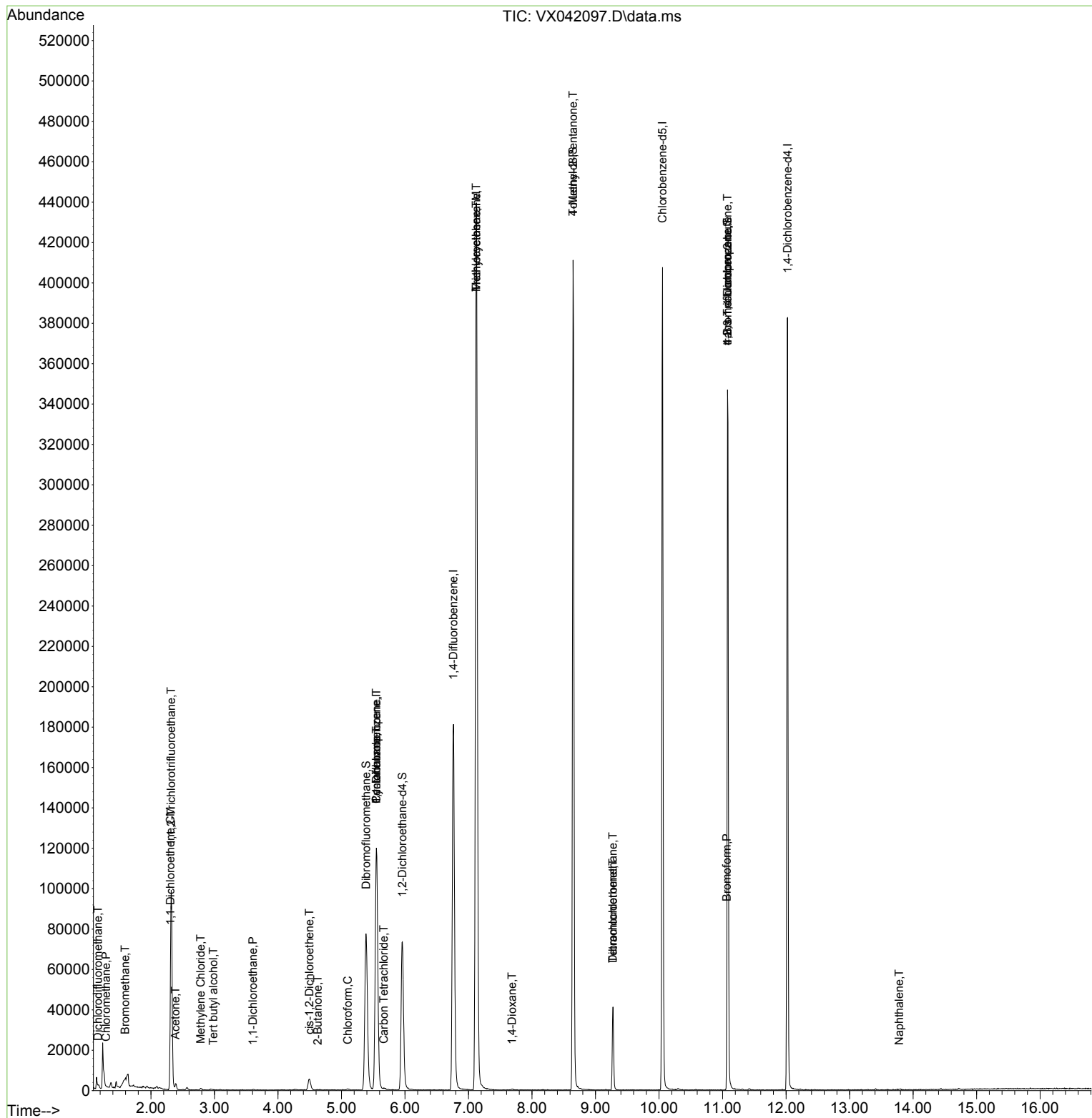
Internal Standards						
1) Pentafluorobenzene	5.550	168	136319	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	208201	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	206250	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95675	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	71373	45.405	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.800%		
35) Dibromofluoromethane	5.385	113	70243	47.548	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.100%		
50) Toluene-d8	8.647	98	257501	49.616	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.240%		
62) 4-Bromofluorobenzene	11.079	95	94091	49.183	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.360%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	531	0.511	ug/l	90
3) Chloromethane	1.294	50	412	0.316	ug/l	89
5) Bromomethane	1.593	94	140	0.217	ug/l	# 3
6) Chloroethane	1.648	64	144	Below Cal	#	43
9) 1,1,2-Trichlorotrifluo...	2.319	101	38442	32.614	ug/l	# 84
11) Tert butyl alcohol	2.983	59	188	0.630	ug/l	# 78
12) 1,1-Dichloroethene	2.306	96	1092	0.929	ug/l	81
16) Acetone	2.386	43	2452	3.552	ug/l	# 87
20) Methylene Chloride	2.782	84	489	0.324	ug/l	# 75
24) 1,1-Dichloroethane	3.605	63	469	0.212	ug/l	# 83
25) 2-Butanone	4.623	43	222	0.207	ug/l	# 51
27) cis-1,2-Dichloroethene	4.495	96	4404	2.947	ug/l	73
30) Chloroform	5.099	83	709	0.308	ug/l	# 76
31) Cyclohexane	5.550	56	1796	0.977	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	7717	4.919	ug/l	# 52
38) Carbon Tetrachloride	5.666	117	667	0.385	ug/l	# 65
39) Methylcyclohexane	7.123	83	2026	1.021	ug/l	# 1
44) Trichloroethene	7.123	130	192465	135.711	ug/l	87
49) 1,4-Dioxane	7.683	88	387	29.507	ug/l	# 91
51) 4-Methyl-2-Pentanone	8.647	43	830	0.384	ug/l	# 1
60) Dibromochloromethane	9.275	129	7822	5.131	ug/l	# 11
64) Tetrachloroethene	9.275	164	9251	6.160	ug/l	# 87
71) Bromoform	11.067	173	50	0.911	ug/l	# 29
76) 1,2,3-Trichloropropane	11.079	75	42554	24.500	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	42554	69.578	ug/l	# 5
95) Naphthalene	13.780	128	354	0.799	ug/l	# 69

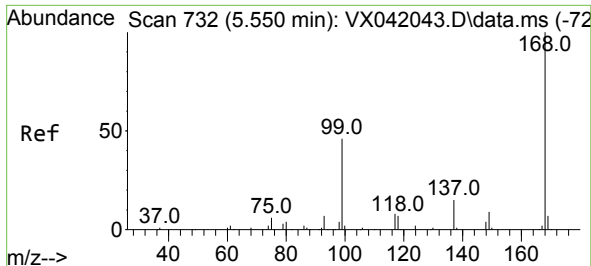
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062824\
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Response via : Initial Calibration

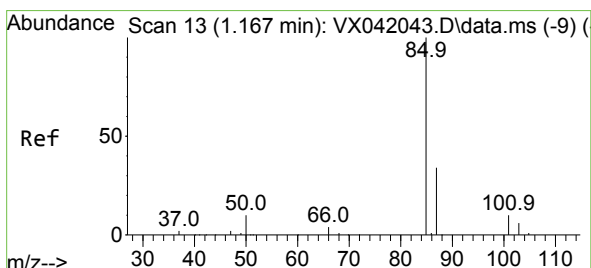
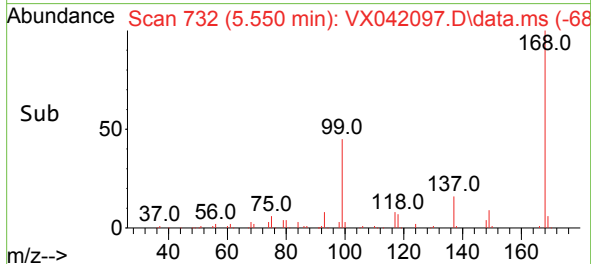
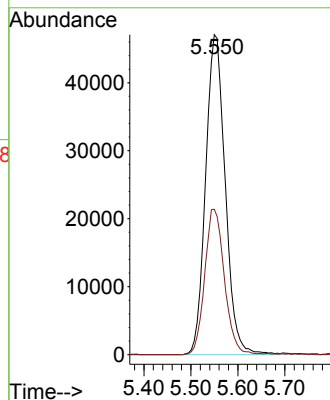
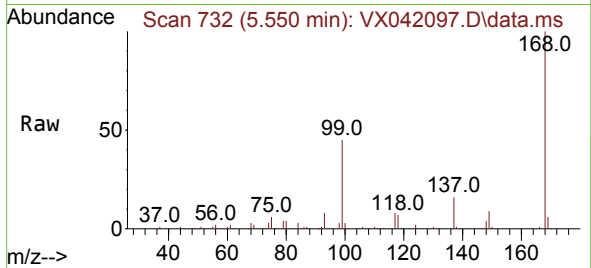




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX042097.D
Acq: 28 Jun 2024 19:45

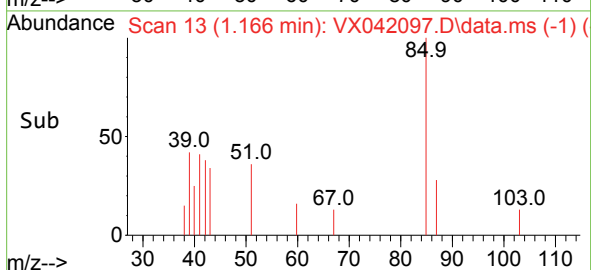
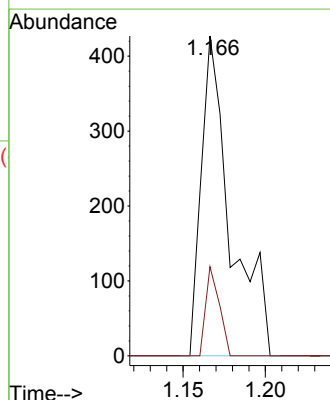
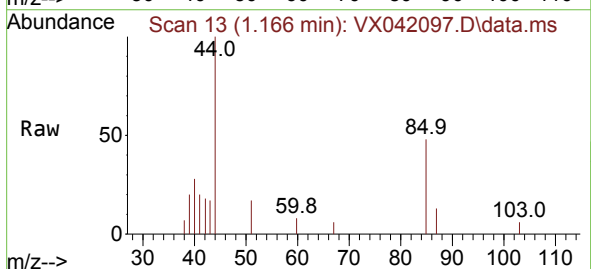
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-DUP-20240627

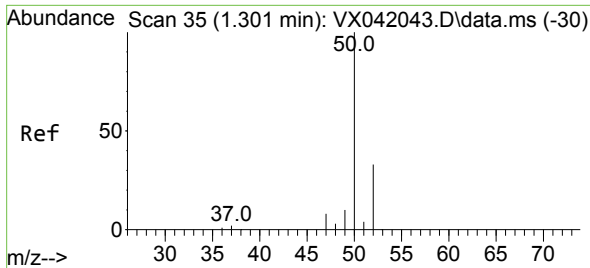
Tgt Ion:168 Resp: 136319
Ion Ratio Lower Upper
168 100
99 45.5 56.6 85.0#



#2
Dichlorodifluoromethane
Concen: 0.511 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX042097.D
Acq: 28 Jun 2024 19:45

Tgt Ion: 85 Resp: 531
Ion Ratio Lower Upper
85 100
87 27.9 16.7 50.1

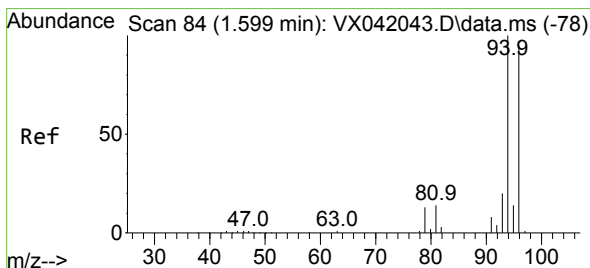
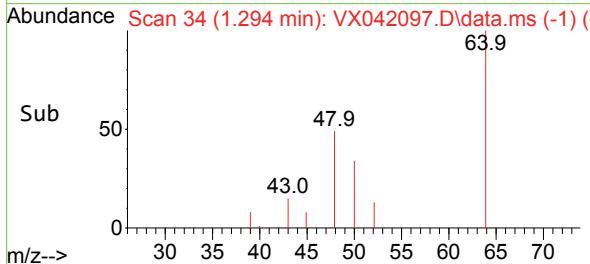
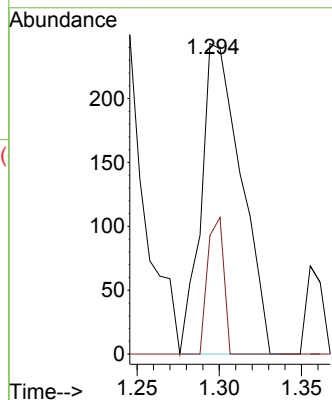
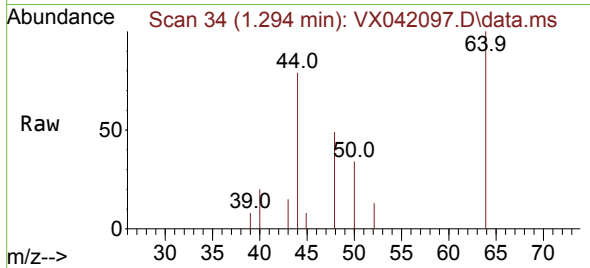




#3
Chloromethane
Concen: 0.316 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.012 min
Lab File: VX042097.D
Acq: 28 Jun 2024 19:45

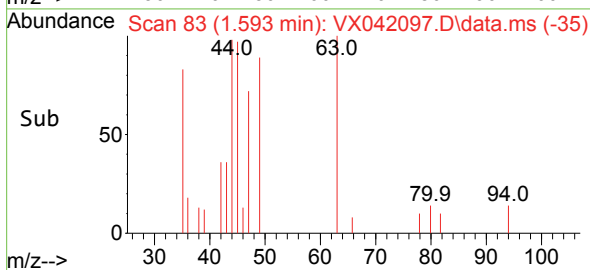
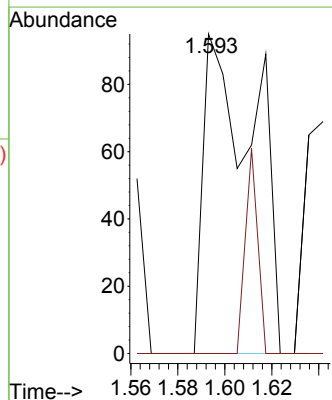
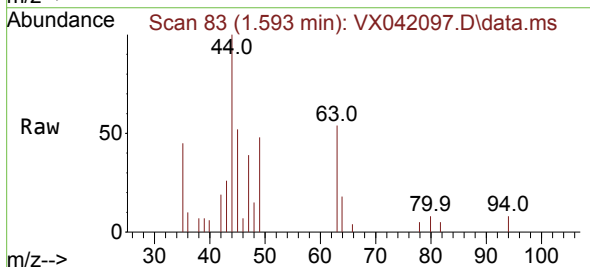
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-DUP-20240627

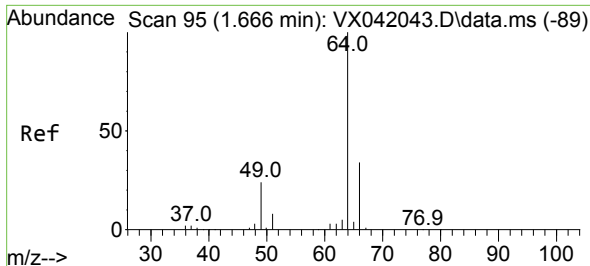
Tgt Ion: 50 Resp: 412
Ion Ratio Lower Upper
50 100
52 38.3 25.5 38.3



#5
Bromomethane
Concen: 0.217 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.006 min
Lab File: VX042097.D
Acq: 28 Jun 2024 19:45

Tgt Ion: 94 Resp: 140
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#

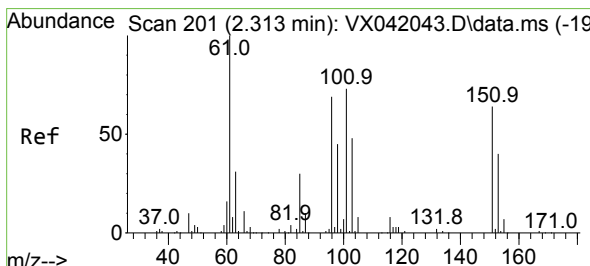
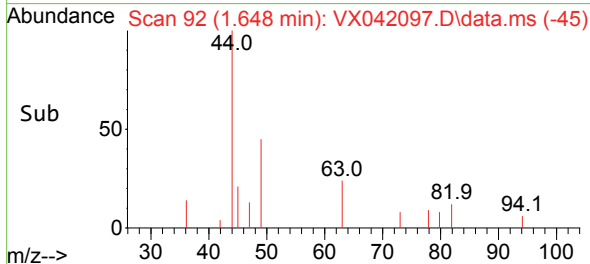
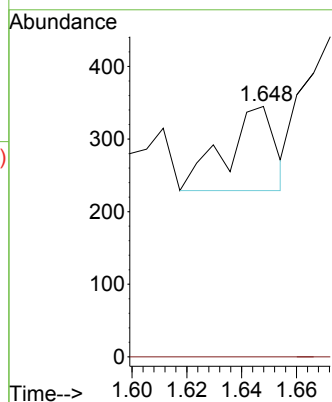
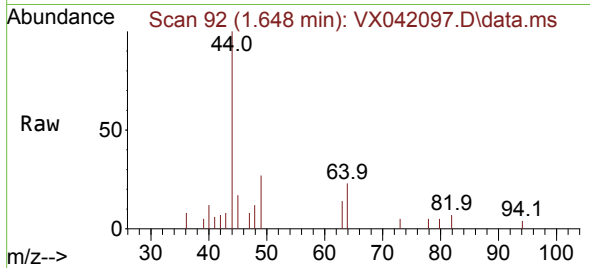




#6
Chloroethane
Concen: Below Cal
RT: 1.648 min Scan# 91
Delta R.T. -0.012 min
Lab File: VX042097.D
Acq: 28 Jun 2024 19:45

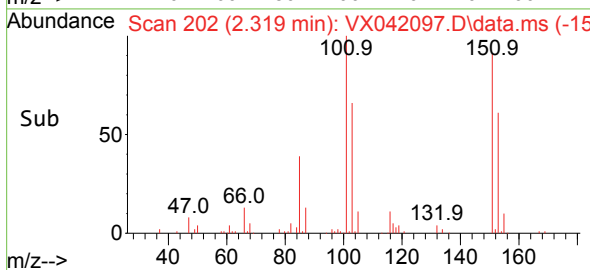
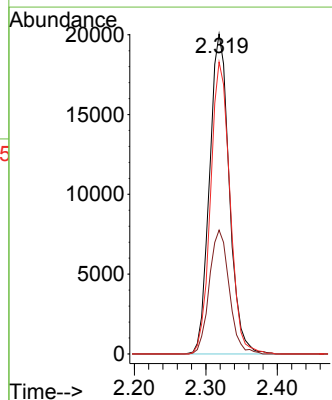
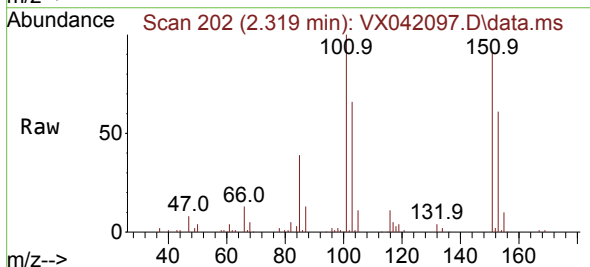
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-DUP-20240627

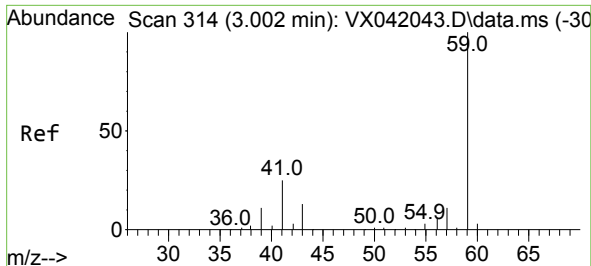
Tgt Ion: 64 Resp: 144
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 32.614 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX042097.D
Acq: 28 Jun 2024 19:45

Tgt Ion:101 Resp: 38442
Ion Ratio Lower Upper
101 100
85 39.0 37.0 55.6
151 89.6 58.6 87.8#





#11

Tert butyl alcohol

Concen: 0.630 ug/l

RT: 2.983 min Scan# 31

Delta R.T. -0.024 min

Lab File: VX042097.D

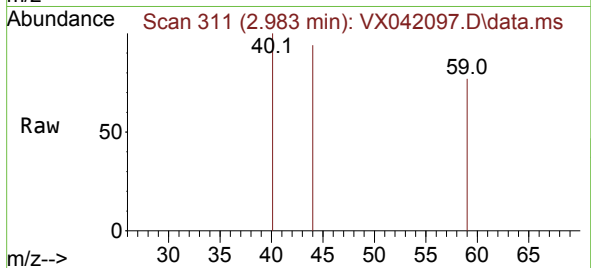
Acq: 28 Jun 2024 19:45

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-189-DUP-20240627

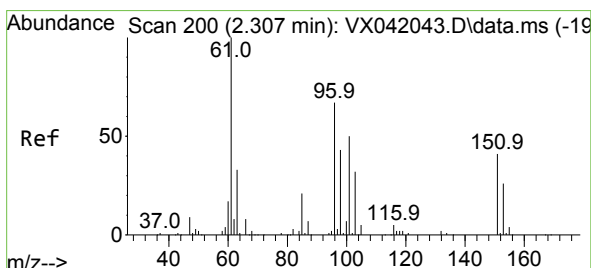
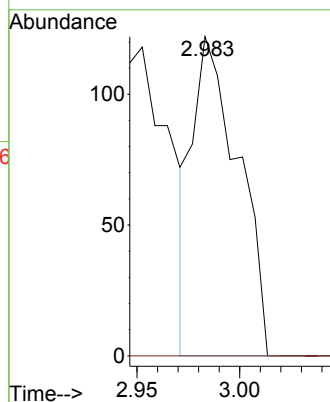


Tgt Ion: 59 Resp: 188

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#12

1,1-Dichloroethene

Concen: 0.929 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX042097.D

Acq: 28 Jun 2024 19:45

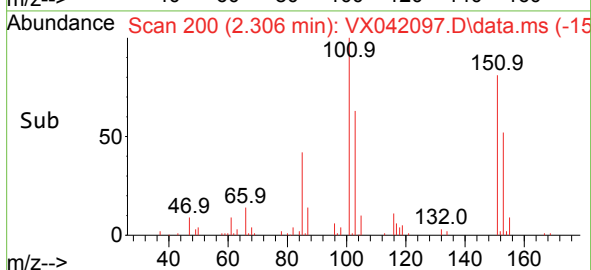
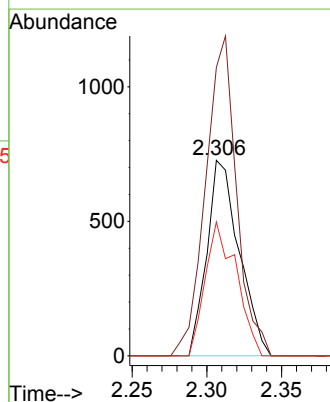
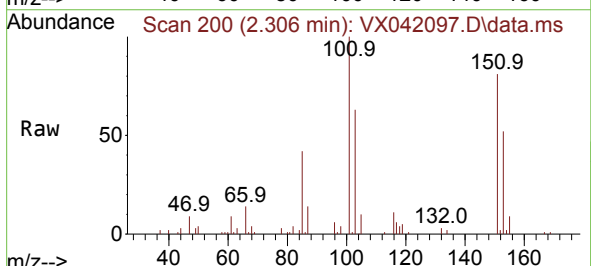
Tgt Ion: 96 Resp: 1092

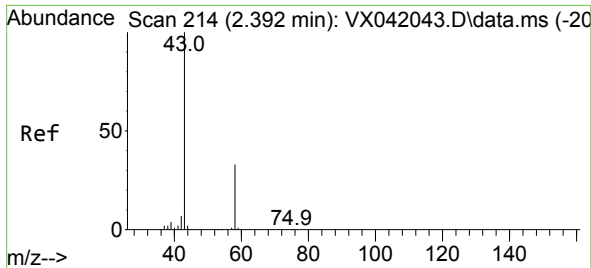
Ion Ratio Lower Upper

96 100

61 147.5 144.6 216.8

98 68.5 50.4 75.6





#16

Acetone

Concen: 3.552 ug/l

RT: 2.386 min Scan# 214

Delta R.T. -0.012 min

Lab File: VX042097.D

Acq: 28 Jun 2024 19:45

Instrument :

MSVOA_X

ClientSampleId :

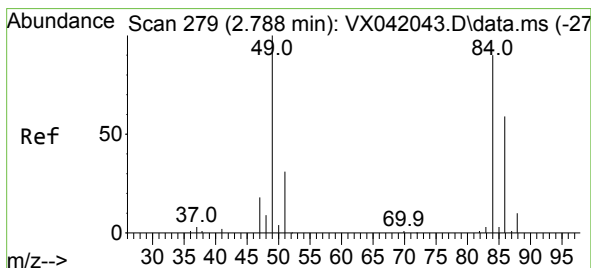
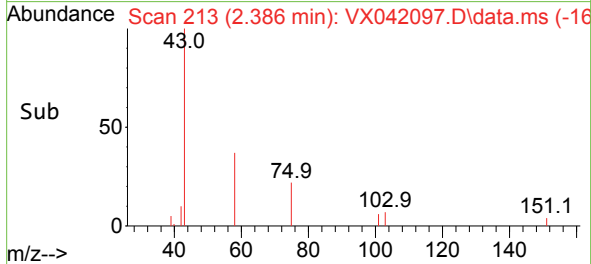
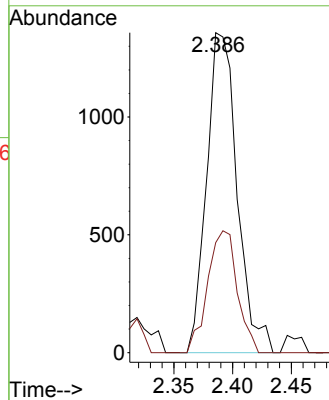
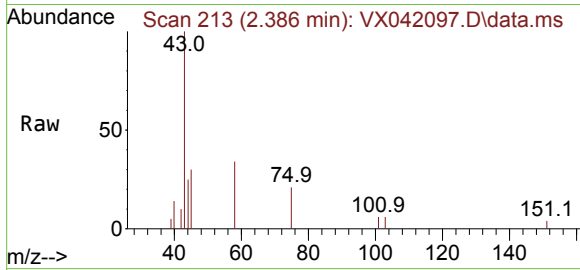
BP-VPB-189-DUP-20240627

Tgt Ion: 43 Resp: 2452

Ion Ratio Lower Upper

43 100

58 34.4 21.9 32.9#



#20

Methylene Chloride

Concen: 0.324 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX042097.D

Acq: 28 Jun 2024 19:45

Tgt Ion: 84 Resp: 489

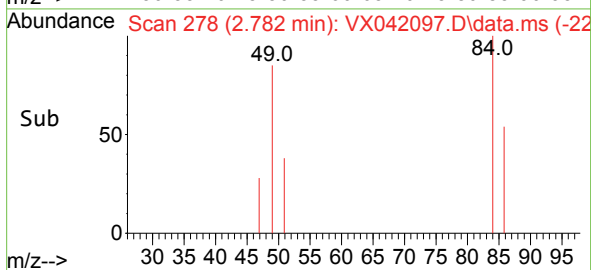
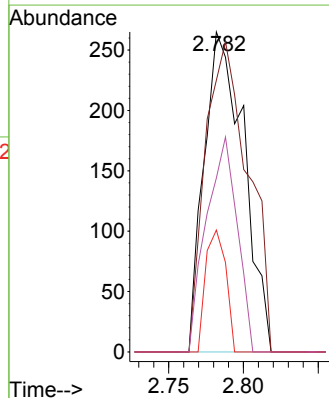
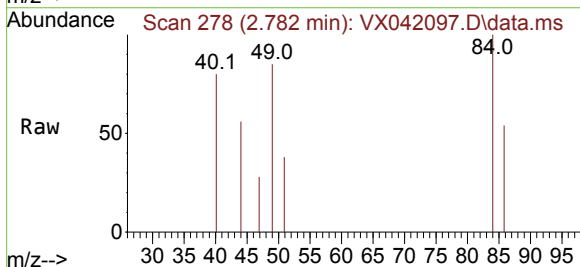
Ion Ratio Lower Upper

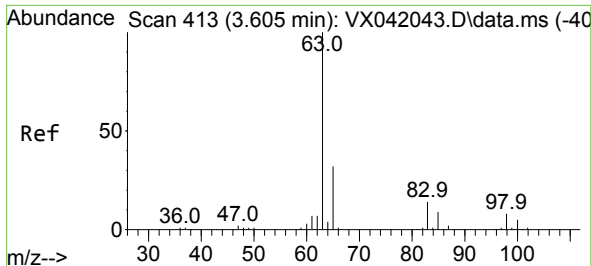
84 100

49 84.9 103.6 155.4#

51 38.1 33.8 50.6

86 54.3 49.4 74.0

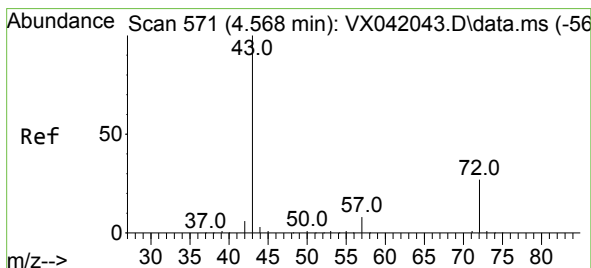
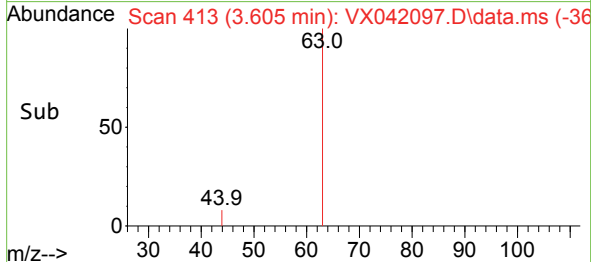
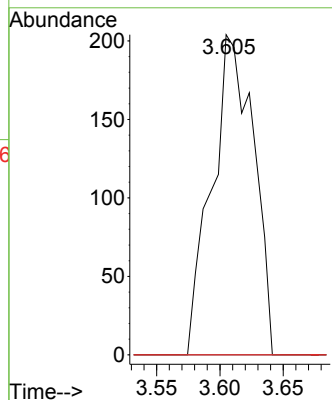
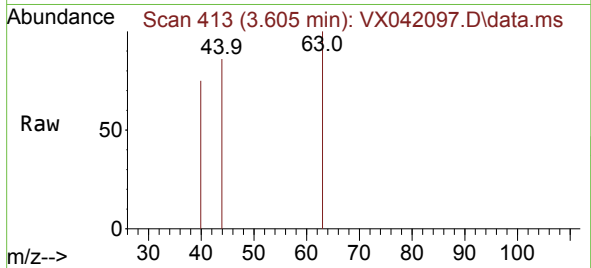




#24
1,1-Dichloroethane
Concen: 0.212 ug/l
RT: 3.605 min Scan# 41
Delta R.T. -0.000 min
Lab File: VX042097.D
Acq: 28 Jun 2024 19:45

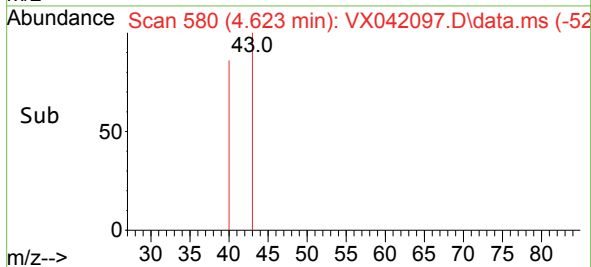
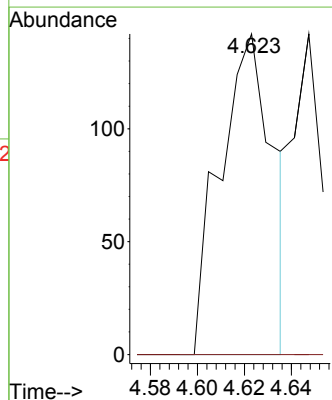
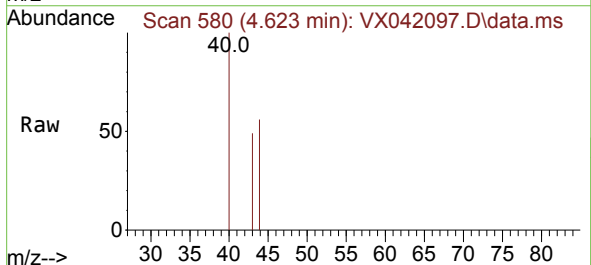
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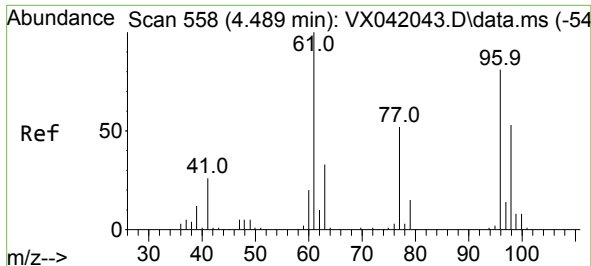
Tgt Ion: 63 Resp: 469
Ion Ratio Lower Upper
63 100
98 0.0 3.3 9.8#
100 0.0 2.1 6.5#



#25
2-Butanone
Concen: 0.207 ug/l
RT: 4.623 min Scan# 580
Delta R.T. 0.049 min
Lab File: VX042097.D
Acq: 28 Jun 2024 19:45

Tgt Ion: 43 Resp: 222
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#





#27

cis-1,2-Dichloroethene

Concen: 2.947 ug/l

RT: 4.495 min Scan# 558

Delta R.T. 0.006 min

Lab File: VX042097.D

Acq: 28 Jun 2024 19:45

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-189-DUP-20240627

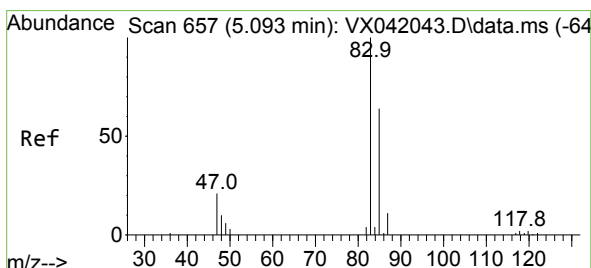
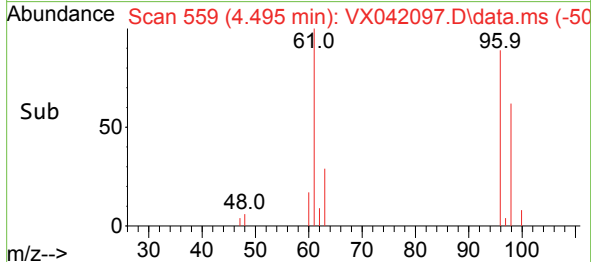
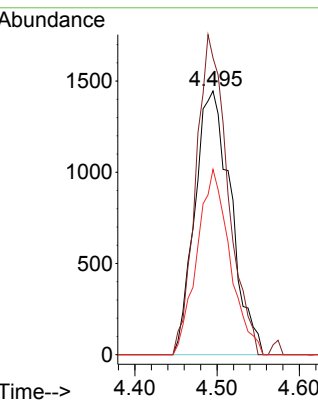
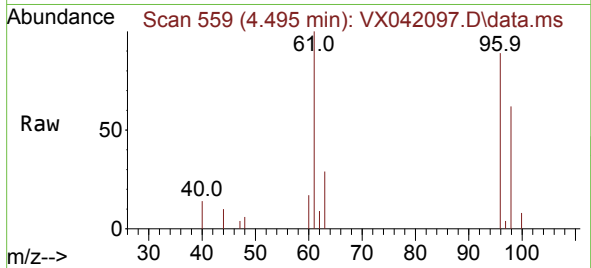
Tgt Ion: 96 Resp: 4404

Ion Ratio Lower Upper

96 100

61 107.6 0.0 312.2

98 64.0 0.0 129.0



#30

Chloroform

Concen: 0.308 ug/l

RT: 5.099 min Scan# 658

Delta R.T. -0.000 min

Lab File: VX042097.D

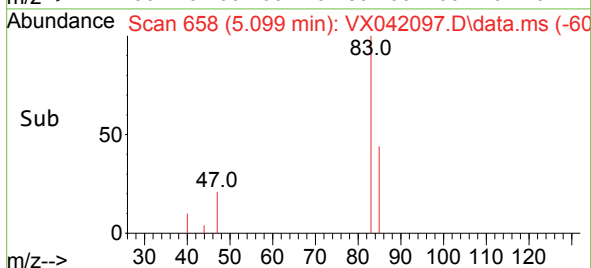
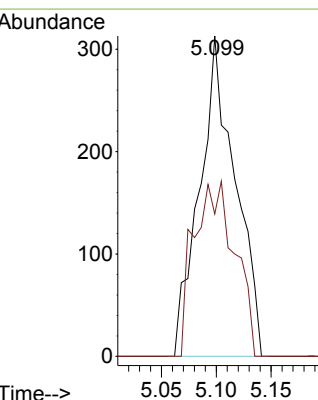
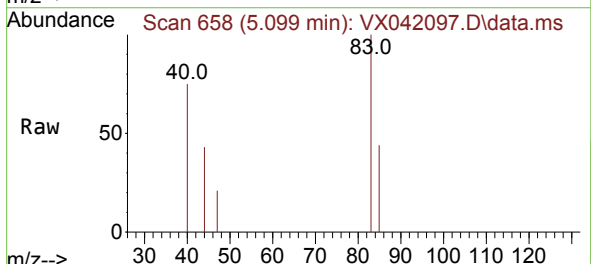
Acq: 28 Jun 2024 19:45

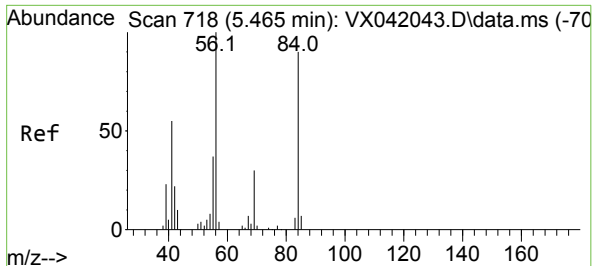
Tgt Ion: 83 Resp: 709

Ion Ratio Lower Upper

83 100

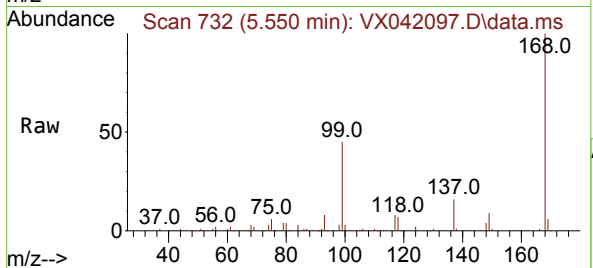
85 44.4 50.3 75.5#



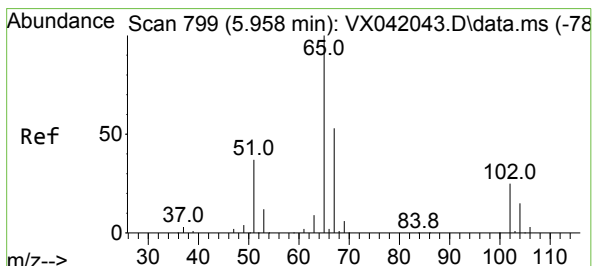
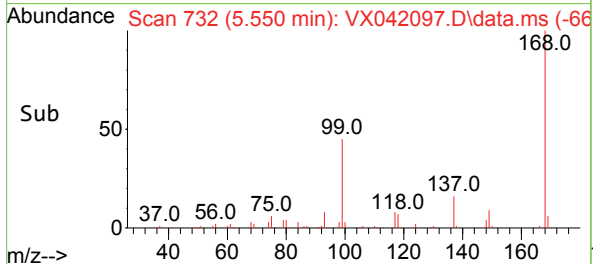
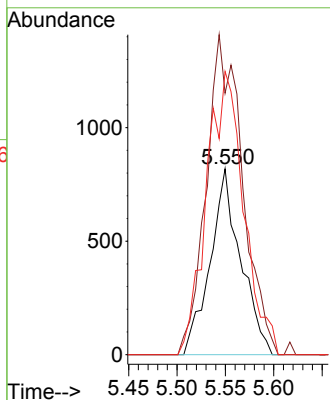


#31
Cyclohexane
Concen: 0.977 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX042097.D
Acq: 28 Jun 2024 19:45

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-DUP-20240627

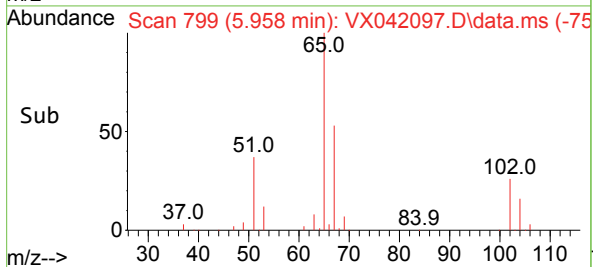
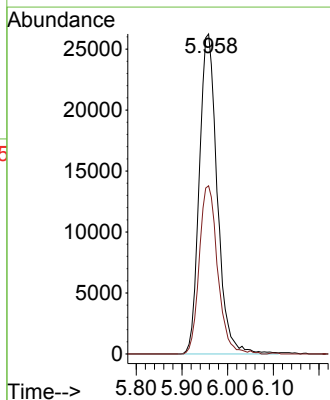
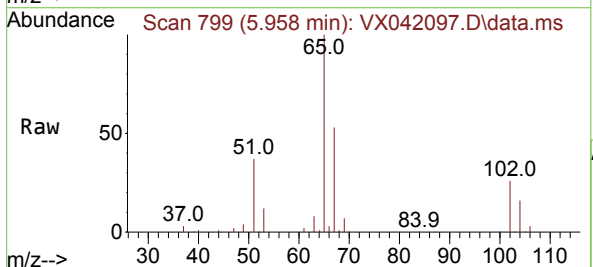


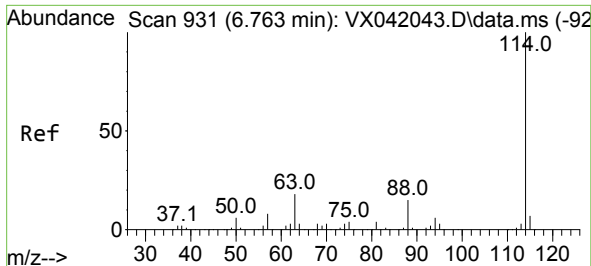
Tgt Ion: 56 Resp: 1796
Ion Ratio Lower Upper
56 100
69 140.5 23.4 35.2#
84 152.3 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 45.405 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX042097.D
Acq: 28 Jun 2024 19:45

Tgt Ion: 65 Resp: 71373
Ion Ratio Lower Upper
65 100
67 53.9 0.0 100.2

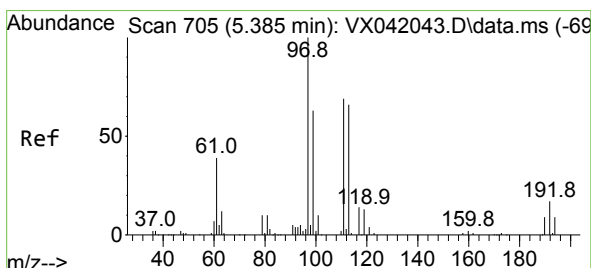
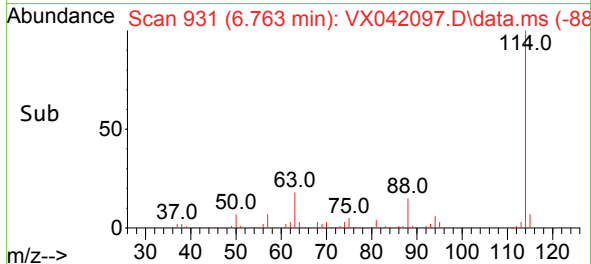
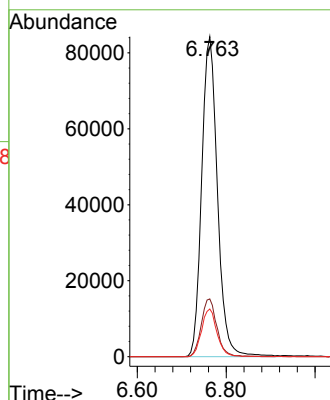
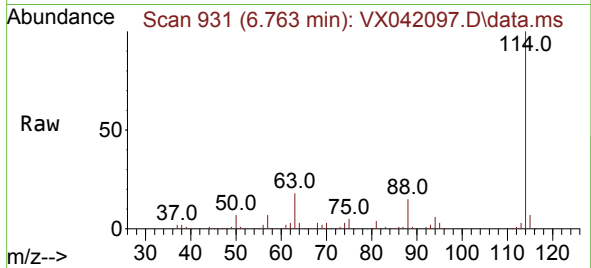




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX042097.D
Acq: 28 Jun 2024 19:45

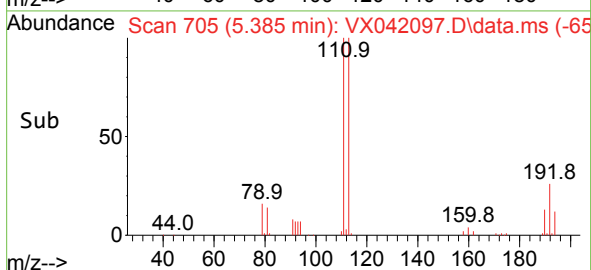
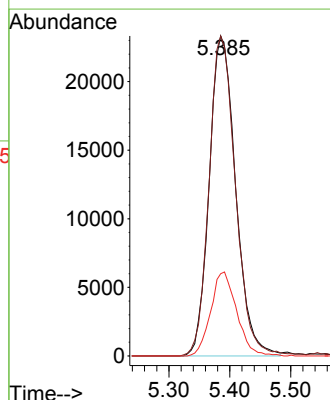
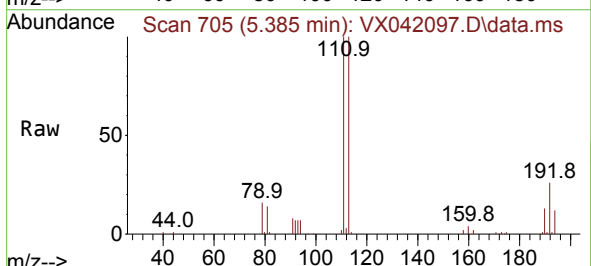
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-DUP-20240627

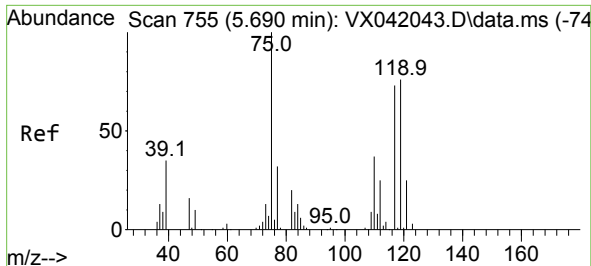
Tgt Ion:114 Resp: 208201
Ion Ratio Lower Upper
114 100
63 18.0 0.0 45.0
88 14.9 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.548 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX042097.D
Acq: 28 Jun 2024 19:45

Tgt Ion:113 Resp: 70243
Ion Ratio Lower Upper
113 100
111 100.1 82.9 124.3
192 25.8 13.3 19.9#

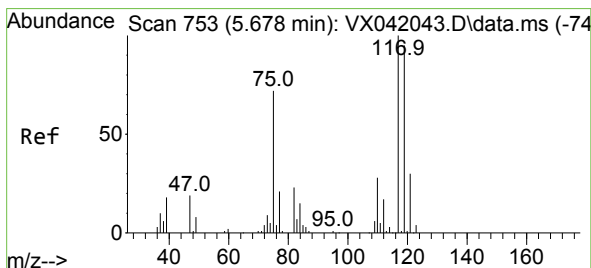
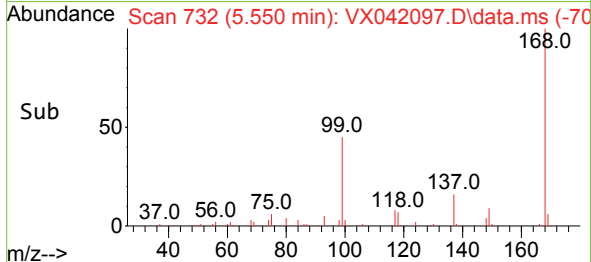
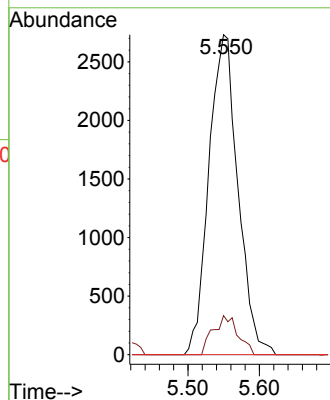
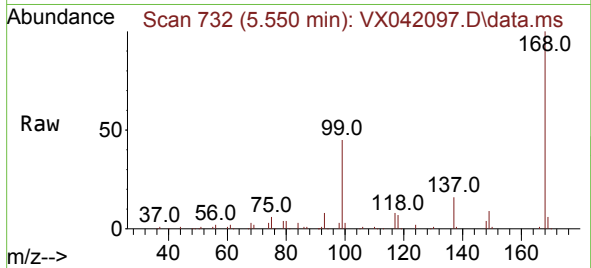




#36
1,1-Dichloropropene
Concen: 4.919 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX042097.D
Acq: 28 Jun 2024 19:45

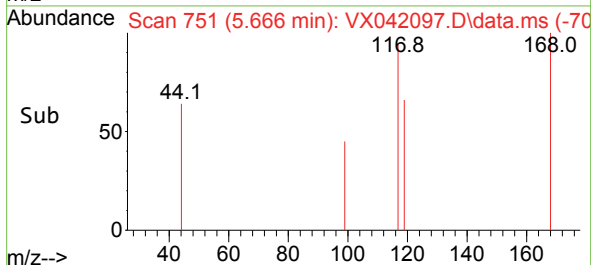
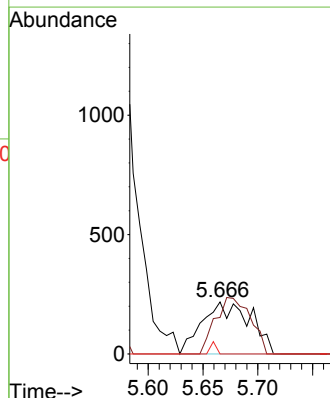
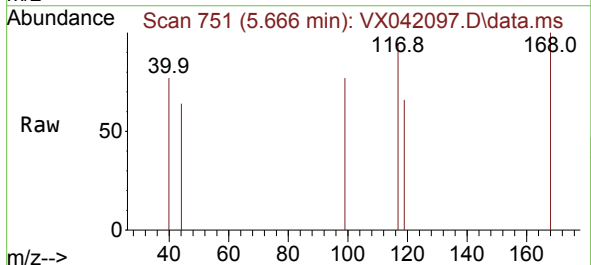
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-DUP-20240627

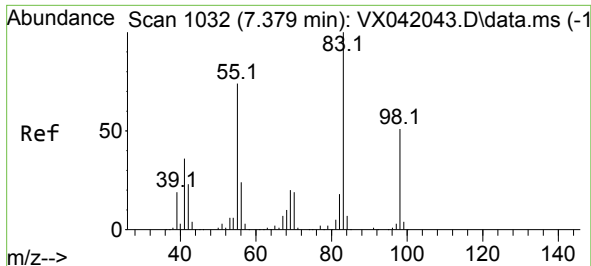
Tgt Ion: 75 Resp: 7717
Ion Ratio Lower Upper
75 100
110 10.4 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 0.385 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.012 min
Lab File: VX042097.D
Acq: 28 Jun 2024 19:45

Tgt Ion: 117 Resp: 667
Ion Ratio Lower Upper
117 100
119 70.2 78.2 117.2#
121 0.0 24.4 36.6#

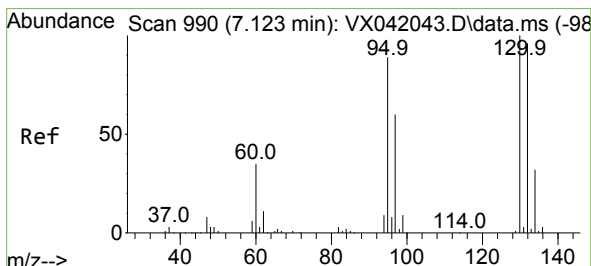
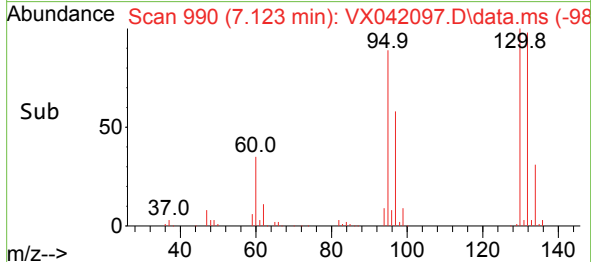
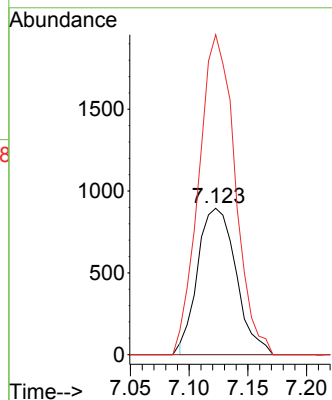
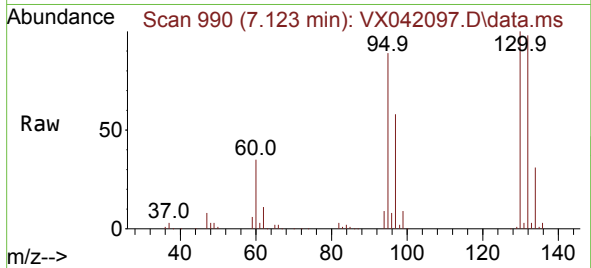




#39
Methylcyclohexane
Concen: 1.021 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX042097.D
Acq: 28 Jun 2024 19:45

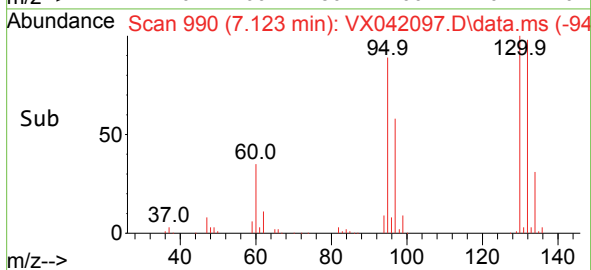
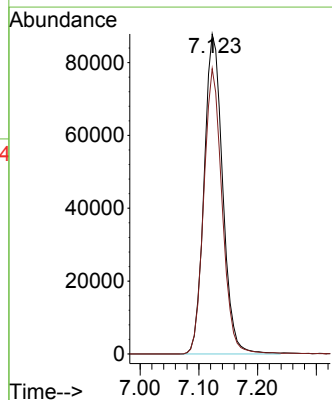
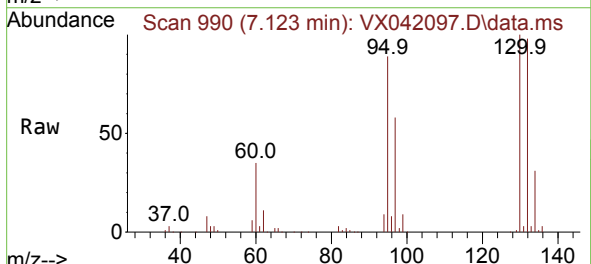
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-DUP-20240627

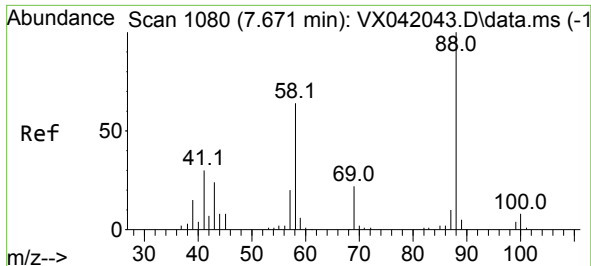
Tgt Ion: 83 Resp: 2026
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 218.5 36.7 55.1#



#44
Trichloroethene
Concen: 135.711 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.006 min
Lab File: VX042097.D
Acq: 28 Jun 2024 19:45

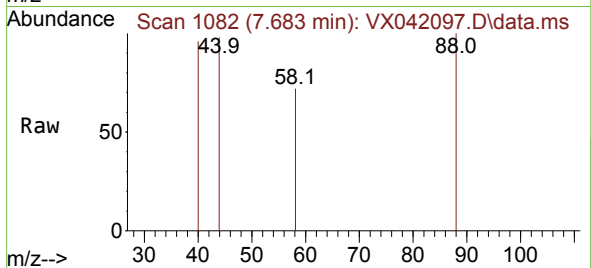
Tgt Ion:130 Resp: 192465
Ion Ratio Lower Upper
130 100
95 89.1 0.0 204.4



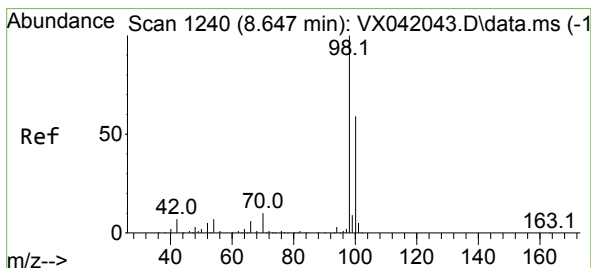
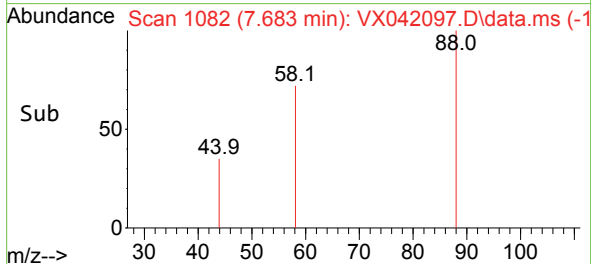
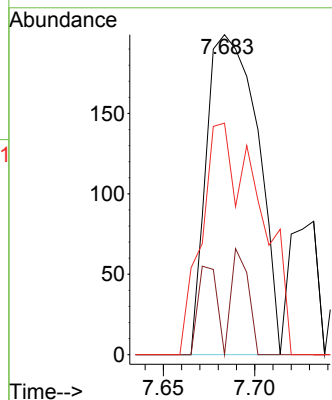


#49
1,4-Dioxane
Concen: 29.507 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. 0.018 min
Lab File: VX042097.D
Acq: 28 Jun 2024 19:45

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-DUP-20240627

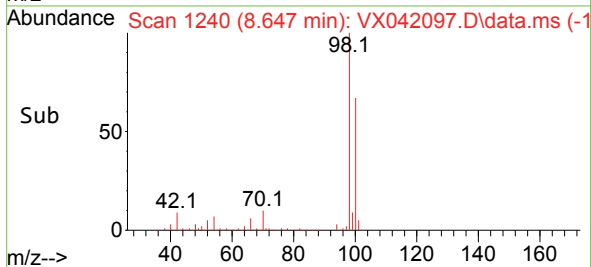
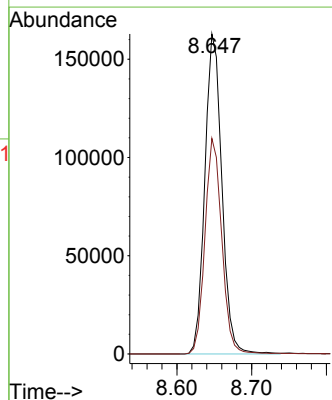
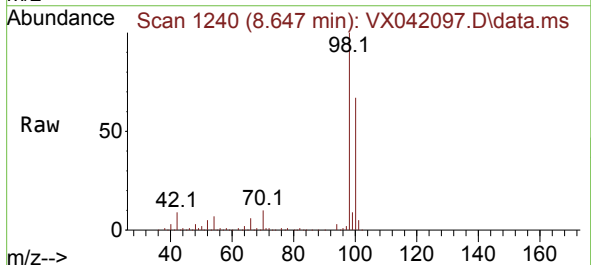


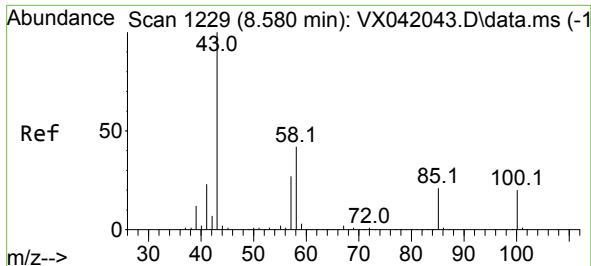
Tgt Ion: 88 Resp: 387
Ion Ratio Lower Upper
88 100
43 11.1 0.0 0.0#
58 82.4 60.1 90.1



#50
Toluene-d8
Concen: 49.616 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX042097.D
Acq: 28 Jun 2024 19:45

Tgt Ion: 98 Resp: 257501
Ion Ratio Lower Upper
98 100
100 66.6 53.1 79.7

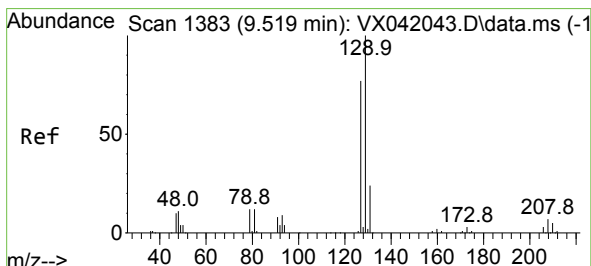
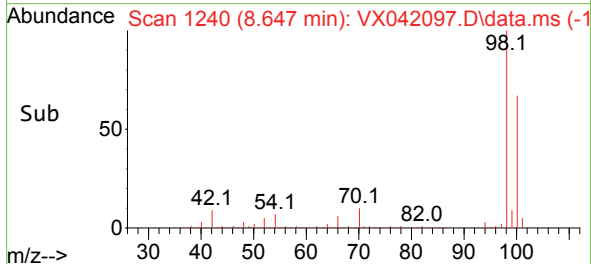
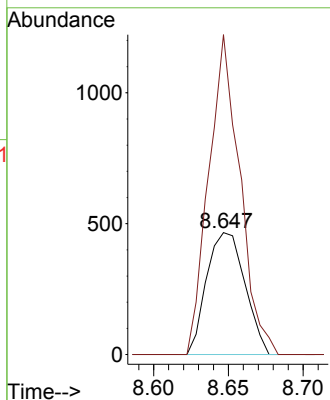
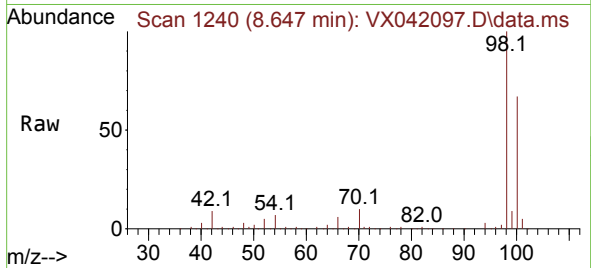




#51
4-Methyl-2-Pentanone
Concen: 0.384 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX042097.D
Acq: 28 Jun 2024 19:45

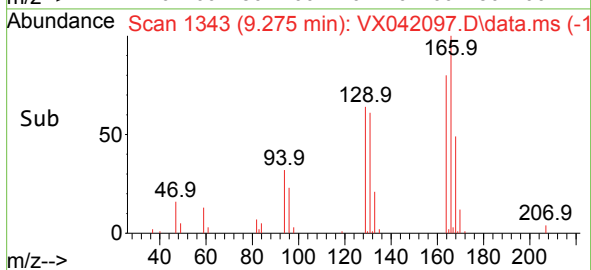
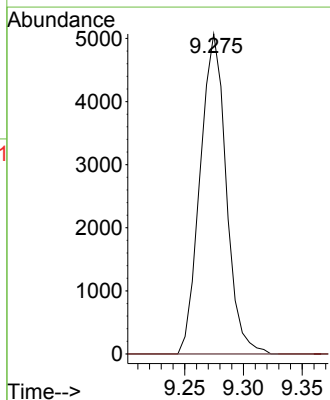
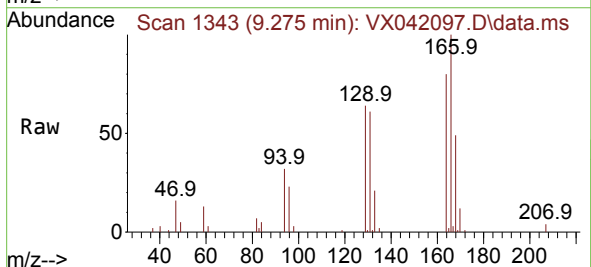
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-DUP-20240627

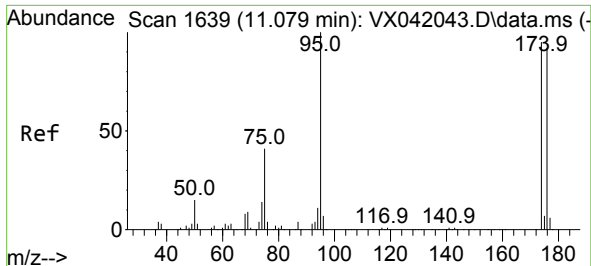
Tgt Ion: 43 Resp: 830
Ion Ratio Lower Upper
43 100
58 213.6 30.4 45.6#



#60
Dibromochloromethane
Concen: 5.131 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX042097.D
Acq: 28 Jun 2024 19:45

Tgt Ion: 129 Resp: 7822
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

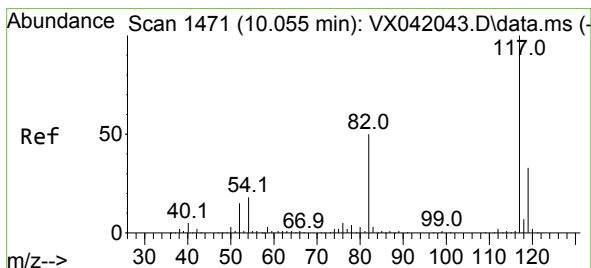
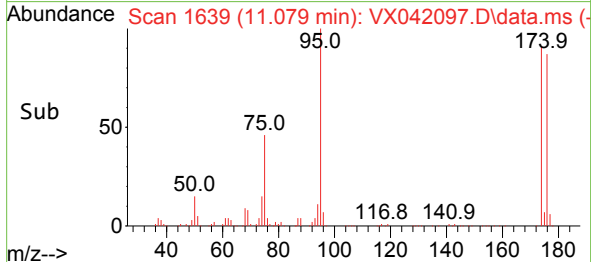
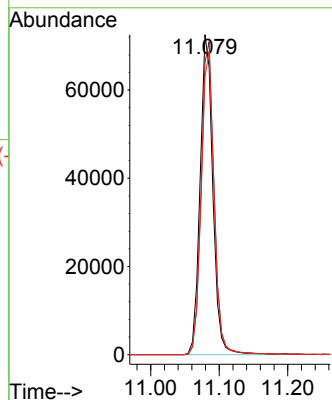
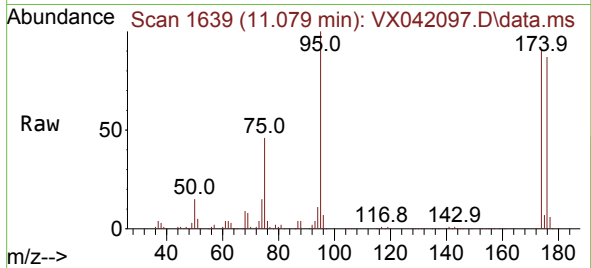




#62
4-Bromofluorobenzene
Concen: 49.183 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX042097.D
Acq: 28 Jun 2024 19:45

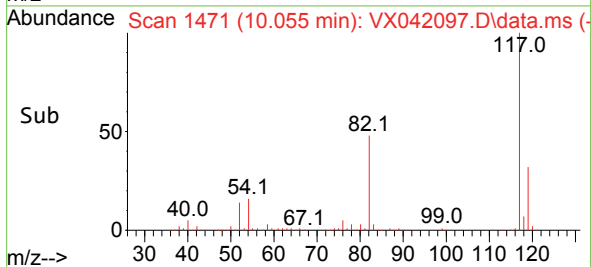
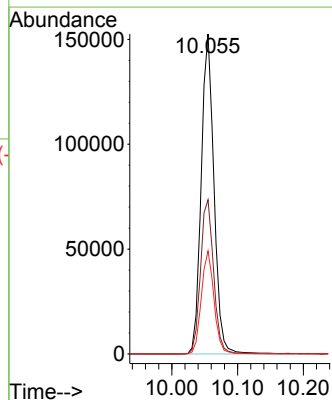
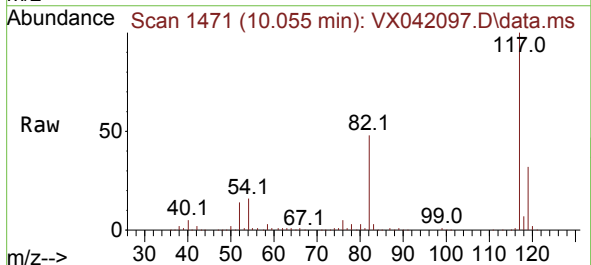
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-DUP-20240627

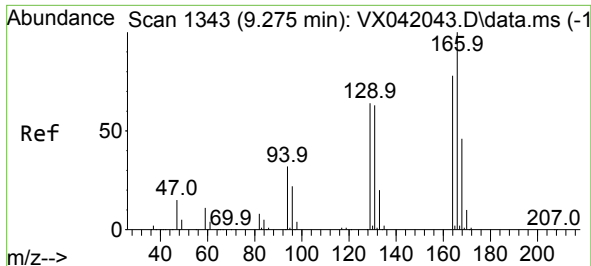
Tgt Ion: 95 Resp: 94091
Ion Ratio Lower Upper
95 100
174 99.4 0.0 135.6
176 95.8 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX042097.D
Acq: 28 Jun 2024 19:45

Tgt Ion: 117 Resp: 206250
Ion Ratio Lower Upper
117 100
82 48.2 46.2 69.4
119 32.2 25.5 38.3

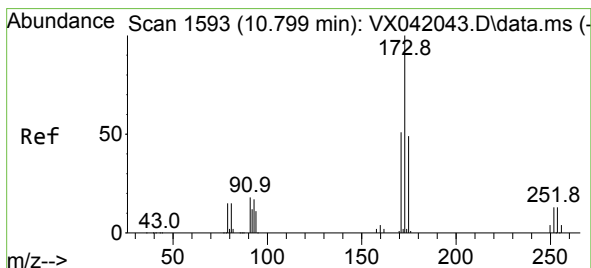
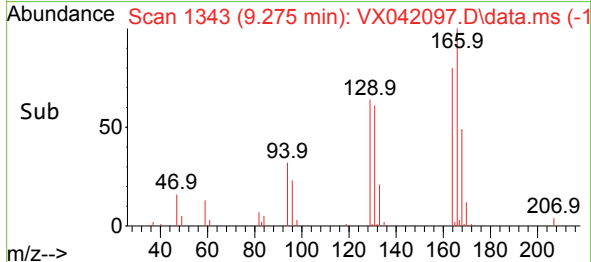
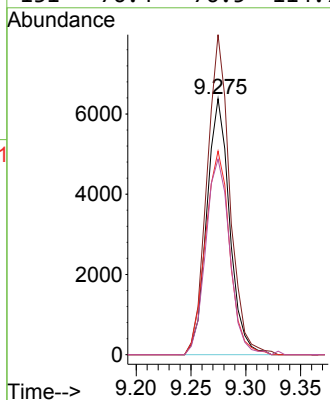
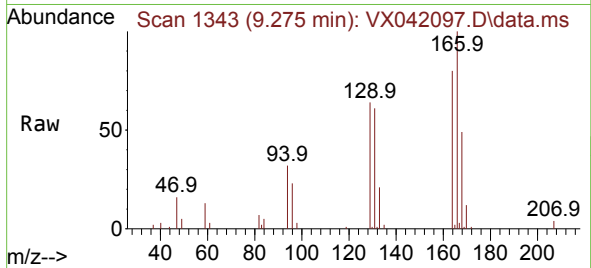




#64
Tetrachloroethene
Concen: 6.160 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX042097.D
Acq: 28 Jun 2024 19:45

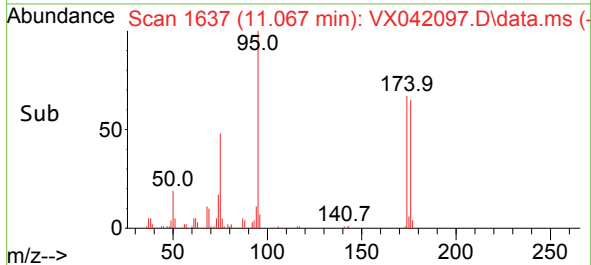
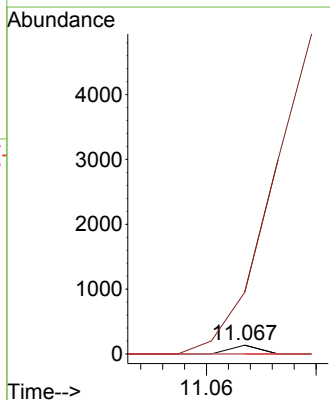
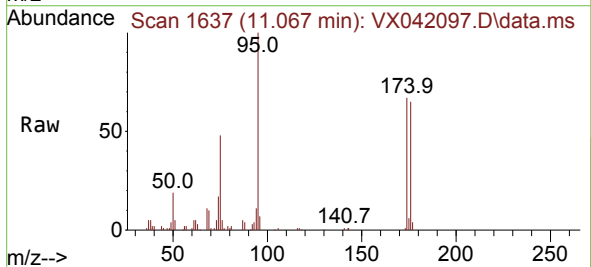
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-DUP-20240627

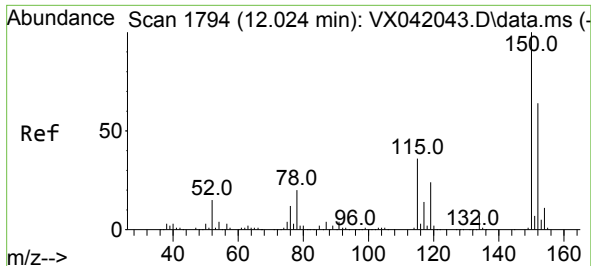
Tgt Ion:164 Resp: 9251
Ion Ratio Lower Upper
164 100
166 125.0 102.7 154.1
129 79.5 80.4 120.6#
131 76.4 76.5 114.7#



#71
Bromoform
Concen: 0.911 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.268 min
Lab File: VX042097.D
Acq: 28 Jun 2024 19:45

Tgt Ion:173 Resp: 50
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.4#
254 0.0 0.0 0.0

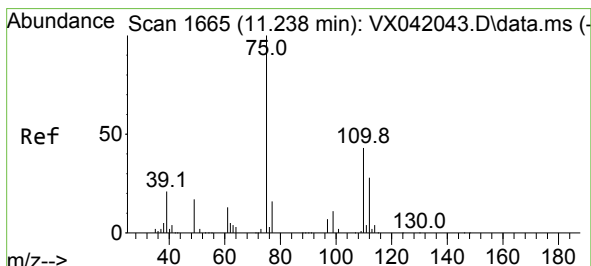
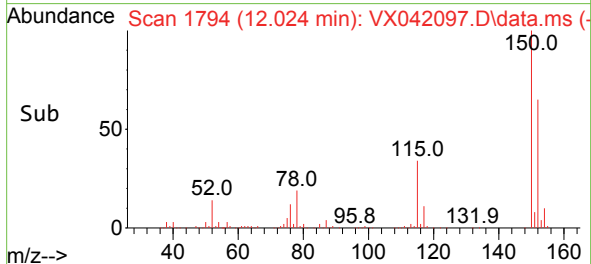
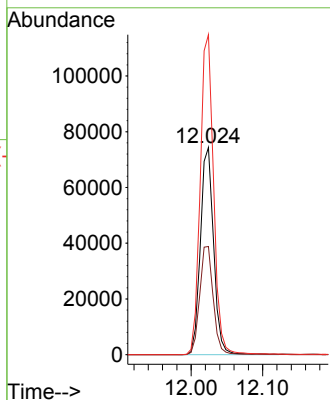
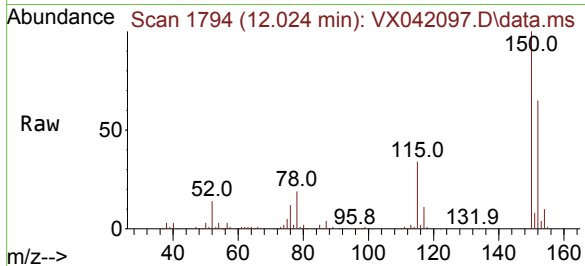




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX042097.D
Acq: 28 Jun 2024 19:45

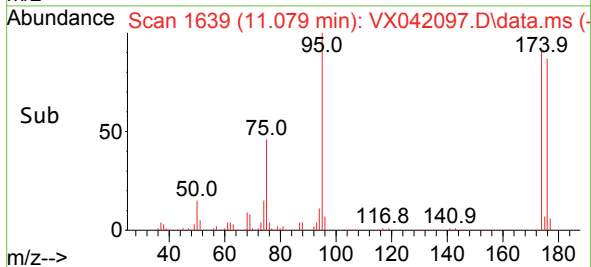
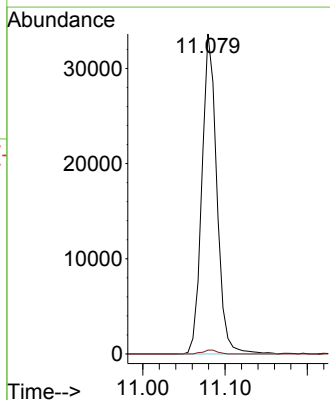
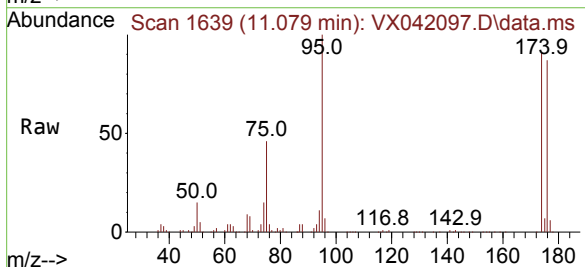
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-DUP-20240627

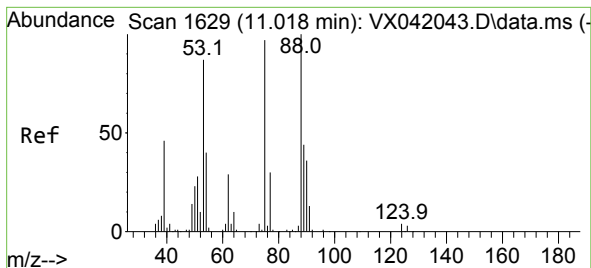
Tgt Ion:	152	Resp:	95675
Ion	Ratio	Lower	Upper
152	100		
115	53.6	43.3	129.9
150	156.3	0.0	345.0



#76
1,2,3-Trichloropropane
Concen: 24.500 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX042097.D
Acq: 28 Jun 2024 19:45

Tgt Ion:	75	Resp:	42554
Ion	Ratio	Lower	Upper
75	100		
77	1.2	19.1	57.5#

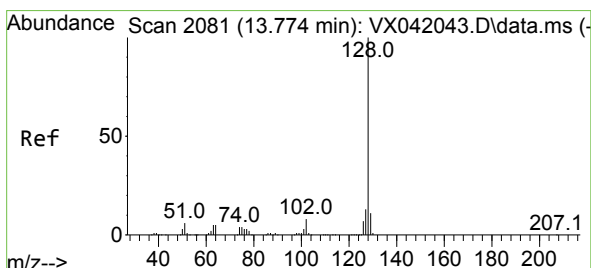
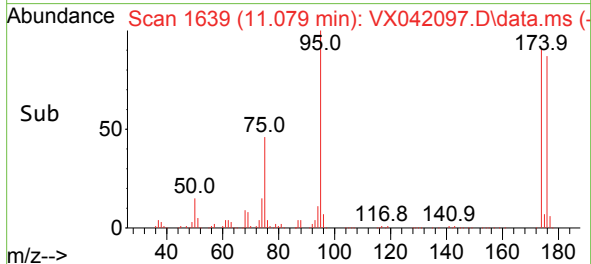
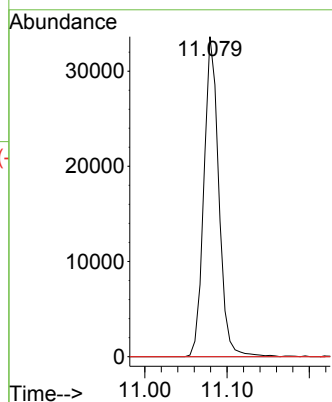
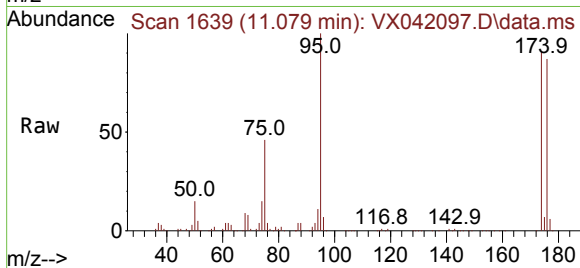




#81
trans-1,4-Dichloro-2-butene
Concen: 69.578 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX042097.D
Acq: 28 Jun 2024 19:45

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-DUP-20240627

Tgt Ion: 75 Resp: 42554
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 0.799 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX042097.D
Acq: 28 Jun 2024 19:45

Tgt Ion: 128 Resp: 354
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

