

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062824\
 Data File : VX042098.D
 Acq On : 28 Jun 2024 20:09
 Operator : JC/MD
 Sample : P3128-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-189-GW-658-660

Quant Time: Jun 29 04:25:28 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)

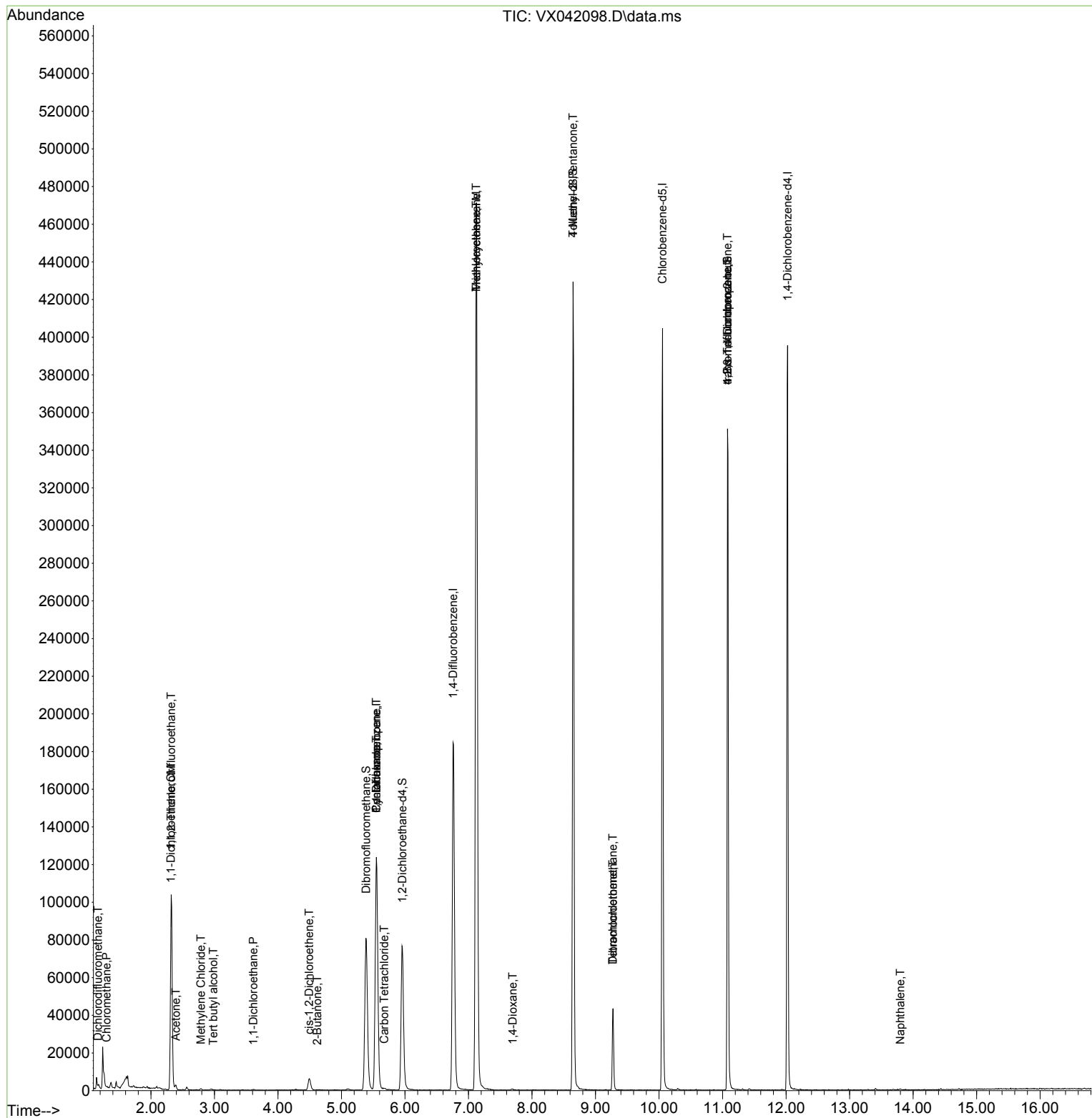
Internal Standards						
1) Pentafluorobenzene	5.550	168	138687	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	211469	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	205690	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96751	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	73674	46.068	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.140%
35) Dibromofluoromethane	5.385	113	71892	47.913	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.820%
50) Toluene-d8	8.647	98	263476	49.983	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.960%
62) 4-Bromofluorobenzene	11.079	95	96321	49.570	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.140%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	521	0.493	ug/l	71
3) Chloromethane	1.300	50	355	0.268	ug/l	# 84
6) Chloroethane	1.654	64	183	Below Cal	#	43
9) 1,1,2-Trichlorotrifluo...	2.318	101	40183	33.509	ug/l	# 84
11) Tert butyl alcohol	2.983	59	213	0.702	ug/l	# 78
12) 1,1-Dichloroethene	2.312	96	1245	1.041	ug/l	# 75
16) Acetone	2.392	43	2239	3.188	ug/l	# 79
20) Methylene Chloride	2.788	84	426	0.277	ug/l	# 65
24) 1,1-Dichloroethane	3.611	63	524	0.233	ug/l	# 83
25) 2-Butanone	4.617	43	221	0.202	ug/l	# 51
27) cis-1,2-Dichloroethene	4.489	96	4533	2.981	ug/l	79
31) Cyclohexane	5.550	56	1945	1.040	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	7758	4.869	ug/l	# 50
38) Carbon Tetrachloride	5.671	117	765	0.435	ug/l	# 76
39) Methylcyclohexane	7.122	83	1897	0.941	ug/l	# 1
44) Trichloroethene	7.122	130	205484	142.651	ug/l	87
49) 1,4-Dioxane	7.695	88	630	35.279	ug/l	# 65
51) 4-Methyl-2-Pentanone	8.647	43	946	0.431	ug/l	# 1
60) Dibromochloromethane	9.274	129	8183	5.284	ug/l	# 11
64) Tetrachloroethene	9.274	164	9565	6.387	ug/l	87
76) 1,2,3-Trichloropropane	11.079	75	43339	24.675	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	43339	70.074	ug/l	# 5
95) Naphthalene	13.798	128	328	0.794	ug/l	# 69

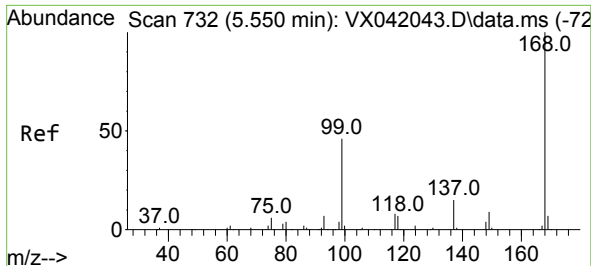
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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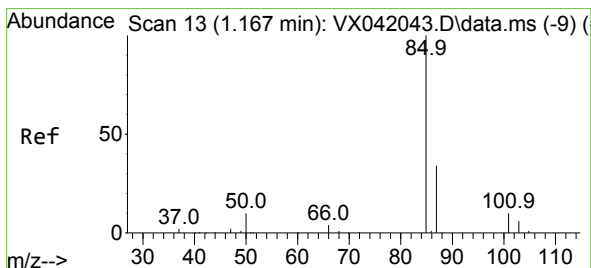
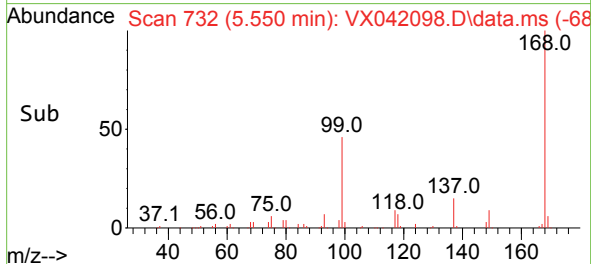
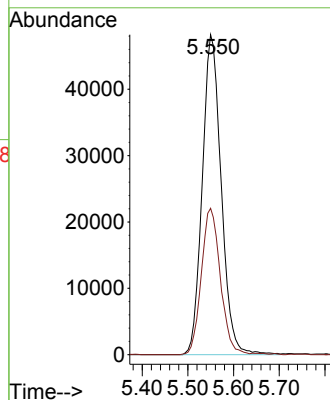
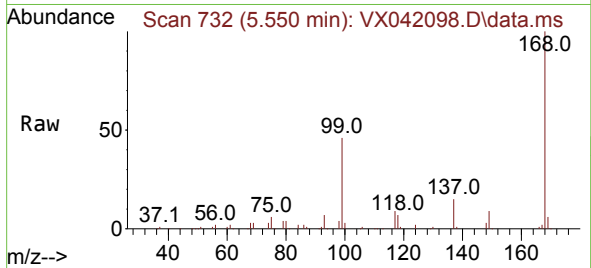




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX042098.D
Acq: 28 Jun 2024 20:09

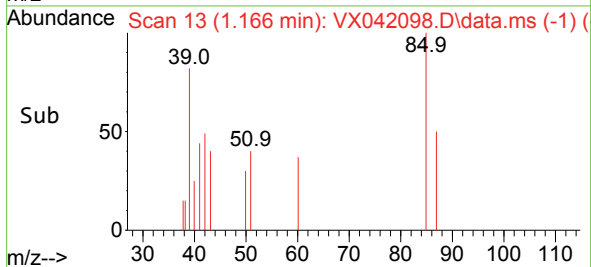
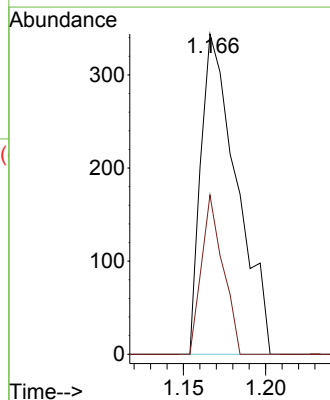
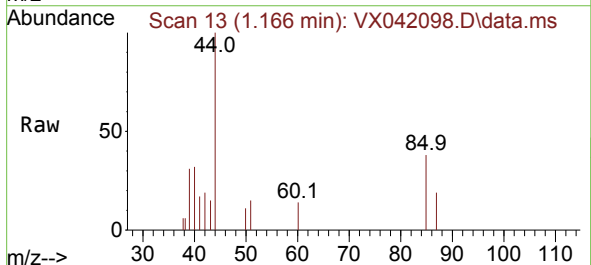
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-658-660

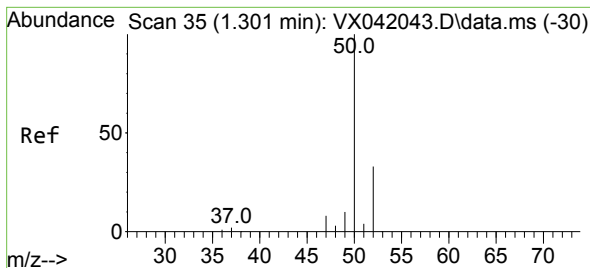
Tgt Ion:168 Resp: 138687
Ion Ratio Lower Upper
168 100
99 45.7 56.6 85.0#



#2
Dichlorodifluoromethane
Concen: 0.493 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX042098.D
Acq: 28 Jun 2024 20:09

Tgt Ion: 85 Resp: 521
Ion Ratio Lower Upper
85 100
87 49.7 16.7 50.1





#3

Chloromethane

Concen: 0.268 ug/l

RT: 1.300 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX042098.D

Acq: 28 Jun 2024 20:09

Instrument :

MSVOA_X

ClientSampleId :

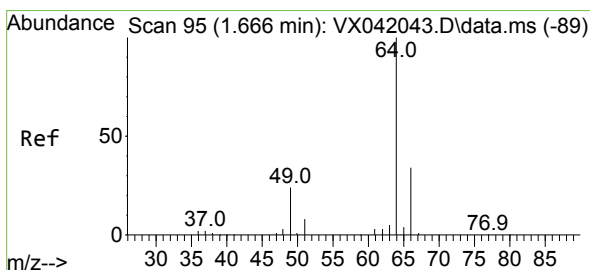
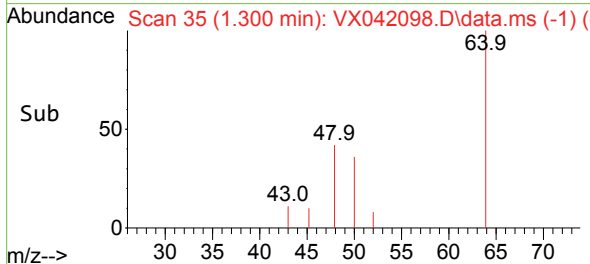
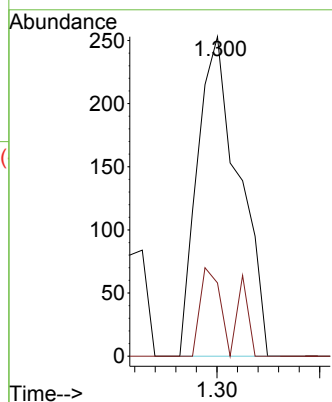
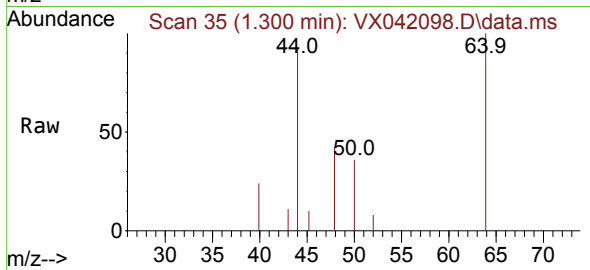
BP-VPB-189-GW-658-660

Tgt Ion: 50 Resp: 355

Ion Ratio Lower Upper

50 100

52 22.9 25.5 38.3#



#6

Chloroethane

Concen: Below Cal

RT: 1.654 min Scan# 93

Delta R.T. -0.006 min

Lab File: VX042098.D

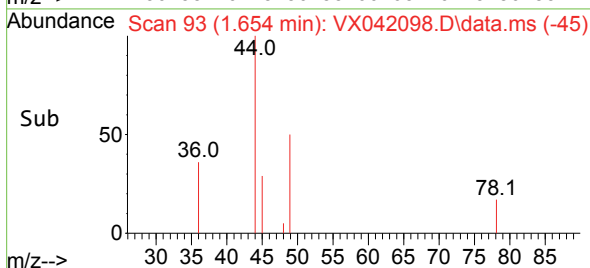
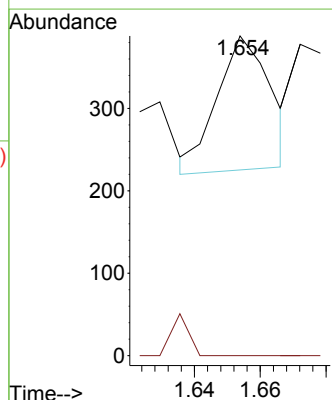
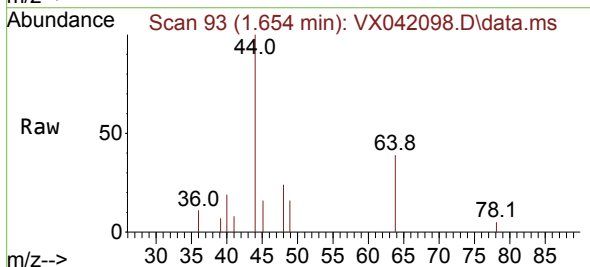
Acq: 28 Jun 2024 20:09

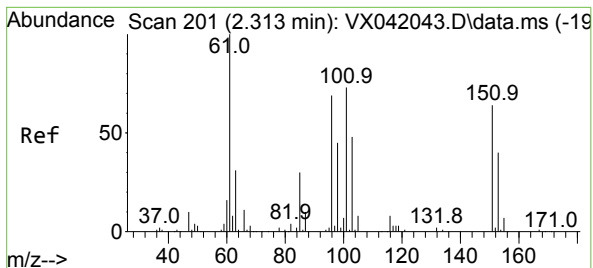
Tgt Ion: 64 Resp: 183

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#





#9

1,1,2-Trichlorotrifluoroethane

Concen: 33.509 ug/l

RT: 2.318 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX042098.D

Acq: 28 Jun 2024 20:09

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-189-GW-658-660

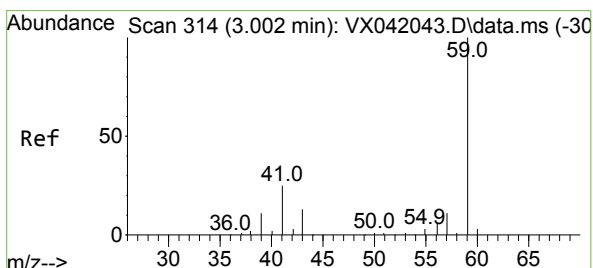
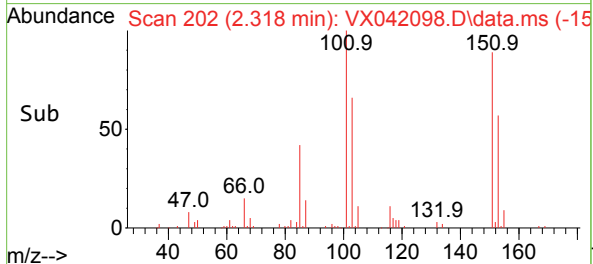
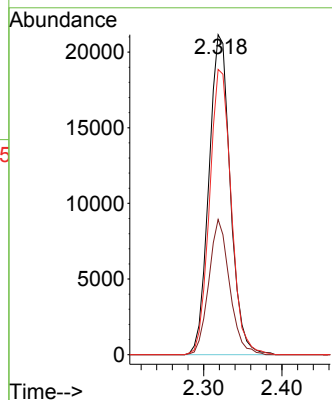
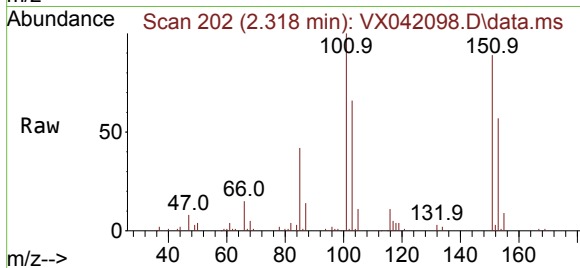
Tgt Ion:101 Resp: 40183

Ion Ratio Lower Upper

101 100

85 41.0 37.0 55.6

151 90.3 58.6 87.8#



#11

Tert butyl alcohol

Concen: 0.702 ug/l

RT: 2.983 min Scan# 311

Delta R.T. -0.025 min

Lab File: VX042098.D

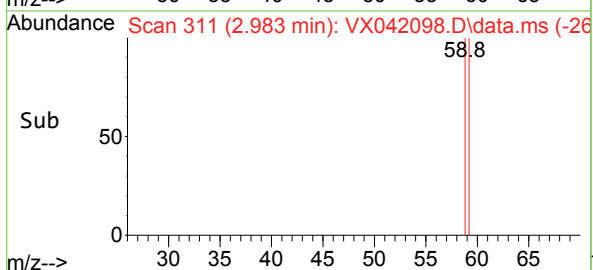
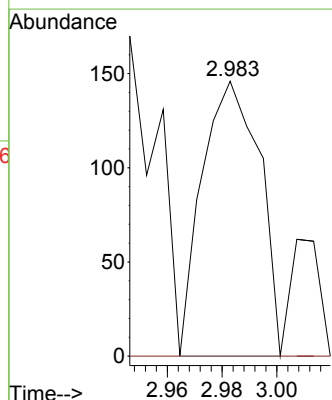
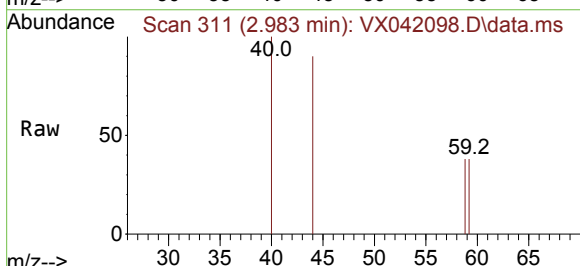
Acq: 28 Jun 2024 20:09

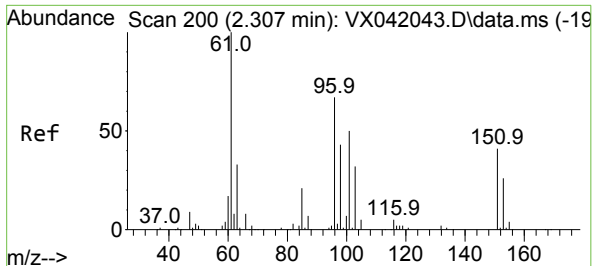
Tgt Ion: 59 Resp: 213

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#





#12

1,1-Dichloroethene

Concen: 1.041 ug/l

RT: 2.312 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX042098.D

Acq: 28 Jun 2024 20:09

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-189-GW-658-660

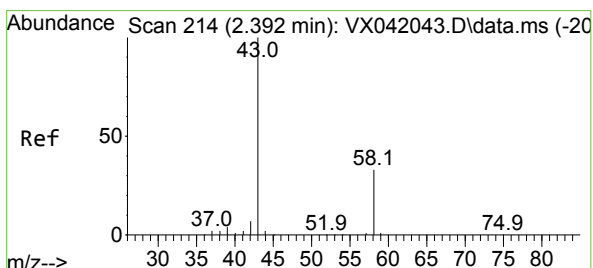
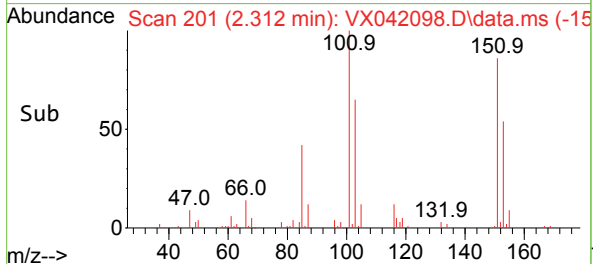
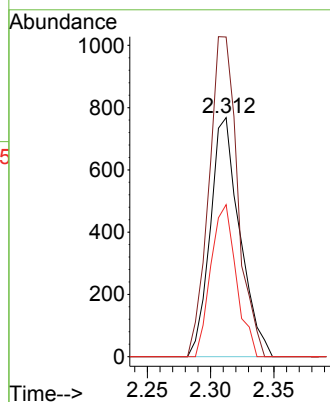
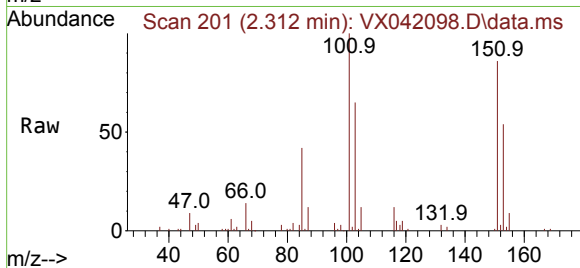
Tgt Ion: 96 Resp: 1245

Ion Ratio Lower Upper

96 100

61 133.7 144.6 216.8#

98 63.5 50.4 75.6



#16

Acetone

Concen: 3.188 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX042098.D

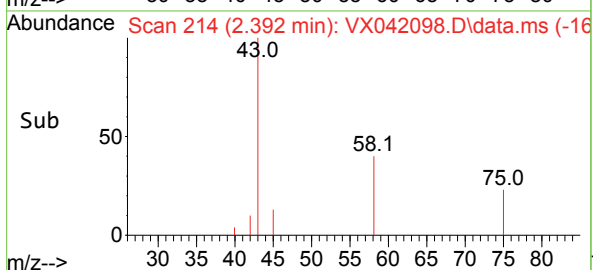
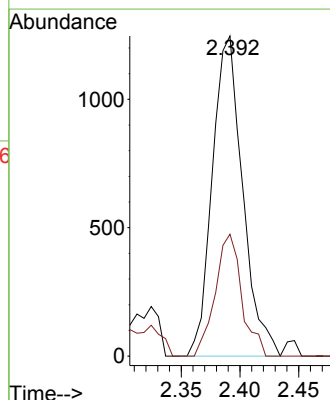
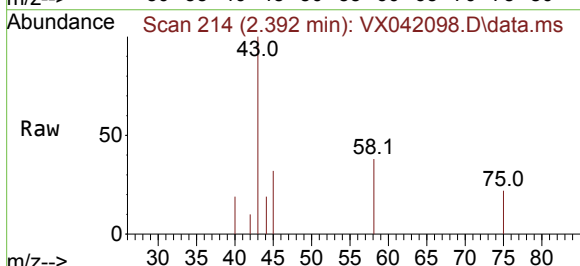
Acq: 28 Jun 2024 20:09

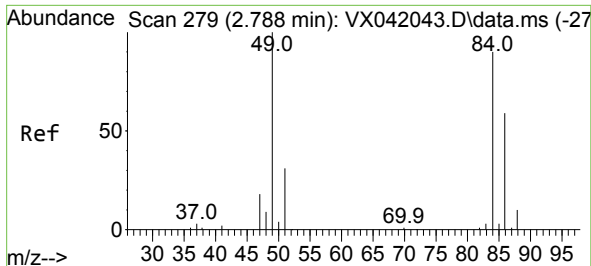
Tgt Ion: 43 Resp: 2239

Ion Ratio Lower Upper

43 100

58 38.1 21.9 32.9#

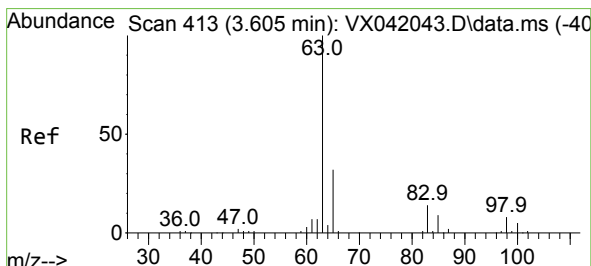
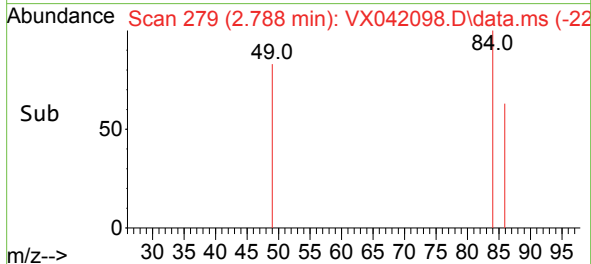
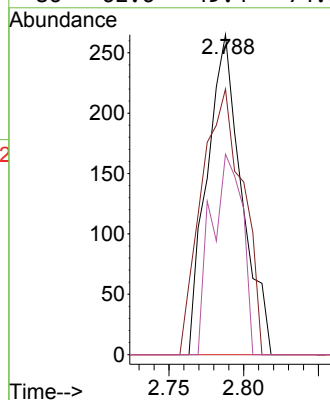
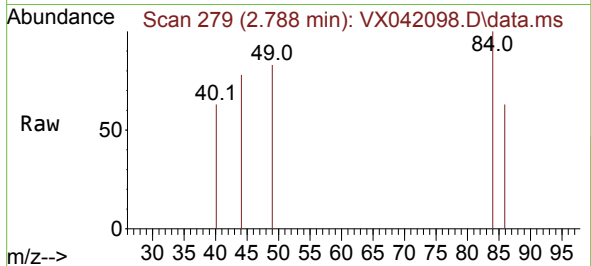




#20
Methylene Chloride
Concen: 0.277 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX042098.D
Acq: 28 Jun 2024 20:09

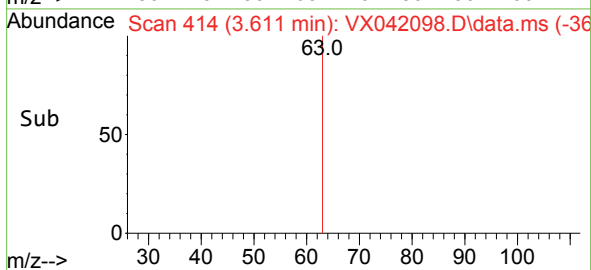
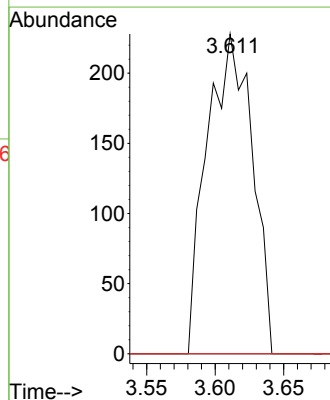
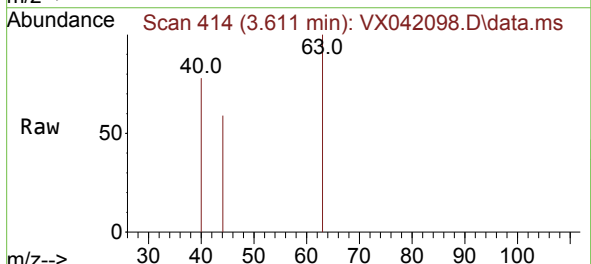
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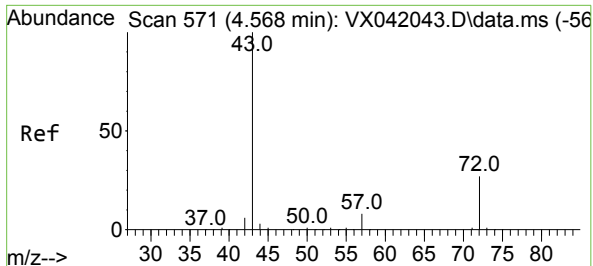
Tgt Ion: 84	Resp:	426
Ion	Ratio	Lower Upper
84	100	
49	83.0	103.6 155.4#
51	0.0	33.8 50.6#
86	62.6	49.4 74.0



#24
1,1-Dichloroethane
Concen: 0.233 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX042098.D
Acq: 28 Jun 2024 20:09

Tgt Ion: 63	Resp:	524
Ion	Ratio	Lower Upper
63	100	
98	0.0	3.3 9.8#
100	0.0	2.1 6.5#





#25

2-Butanone

Concen: 0.202 ug/l

RT: 4.617 min Scan# 5

Delta R.T. 0.042 min

Lab File: VX042098.D

Acq: 28 Jun 2024 20:09

Instrument :

MSVOA_X

ClientSampleId :

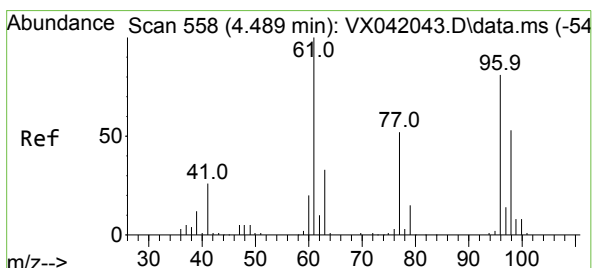
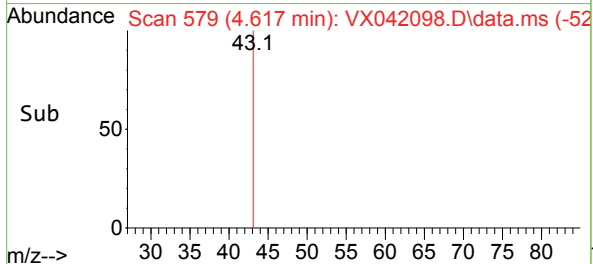
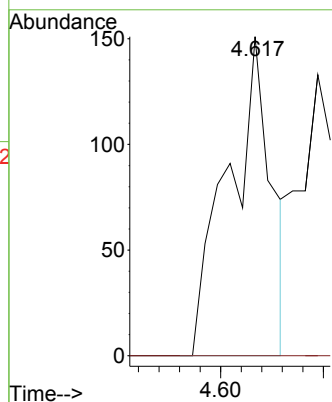
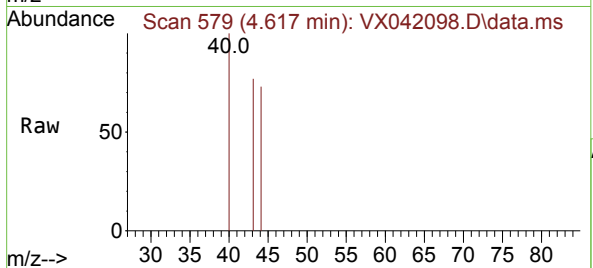
BP-VPB-189-GW-658-660

Tgt Ion: 43 Resp: 221

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.2#



#27

cis-1,2-Dichloroethene

Concen: 2.981 ug/l

RT: 4.489 min Scan# 558

Delta R.T. -0.000 min

Lab File: VX042098.D

Acq: 28 Jun 2024 20:09

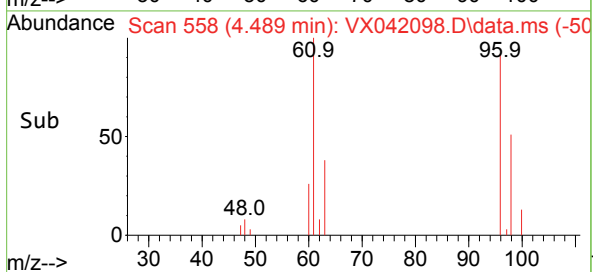
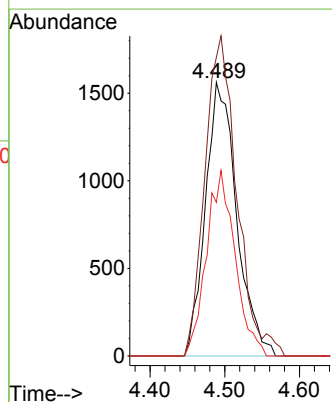
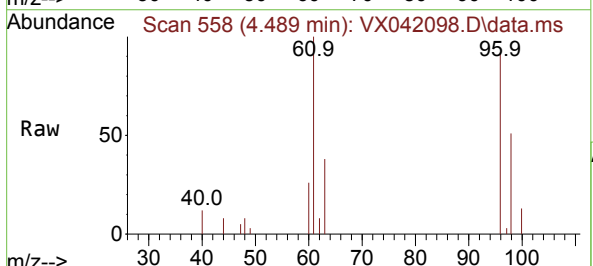
Tgt Ion: 96 Resp: 4533

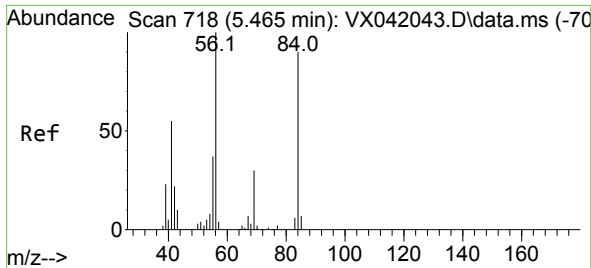
Ion Ratio Lower Upper

96 100

61 119.8 0.0 312.2

98 62.1 0.0 129.0

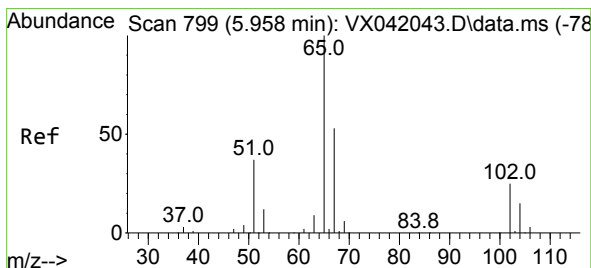
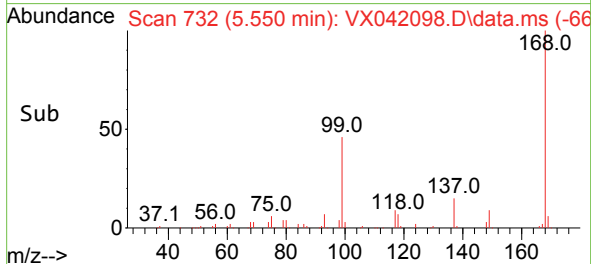
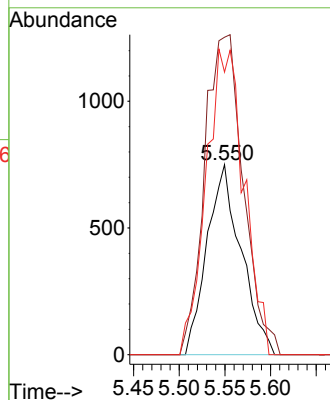
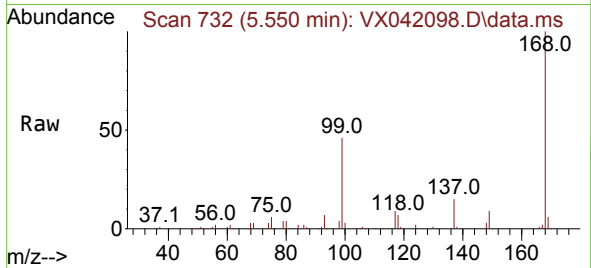




#31
Cyclohexane
Concen: 1.040 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX042098.D
Acq: 28 Jun 2024 20:09

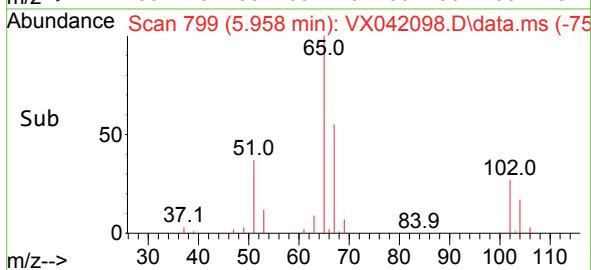
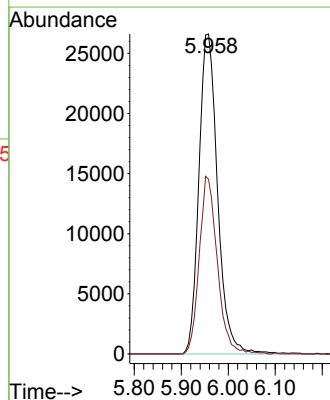
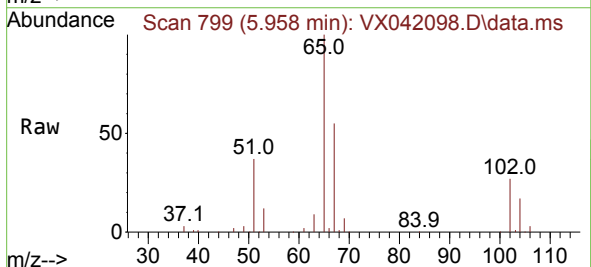
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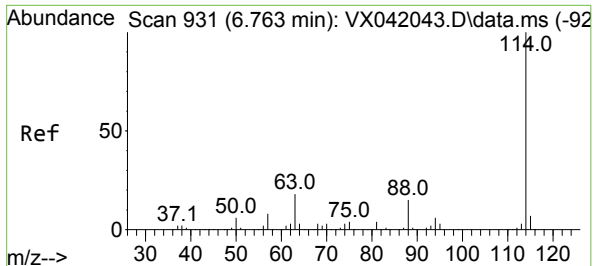
Tgt Ion: 56 Resp: 1945
Ion Ratio Lower Upper
56 100
69 167.1 23.4 35.2#
84 148.7 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 46.068 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX042098.D
Acq: 28 Jun 2024 20:09

Tgt Ion: 65 Resp: 73674
Ion Ratio Lower Upper
65 100
67 53.7 0.0 100.2

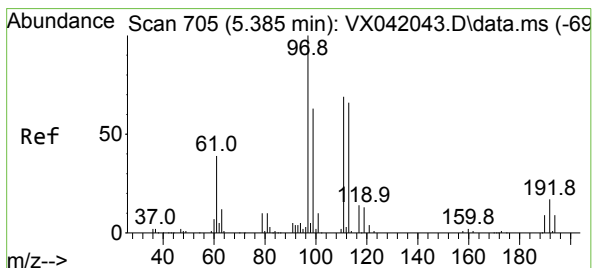
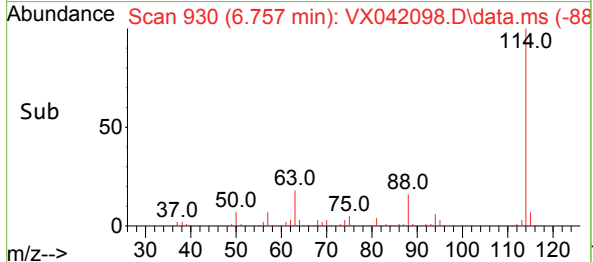
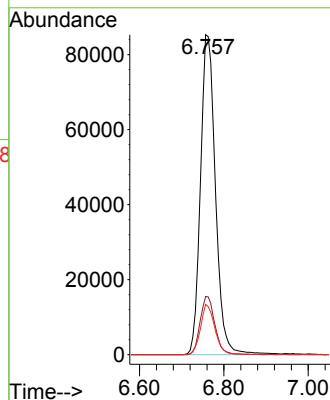
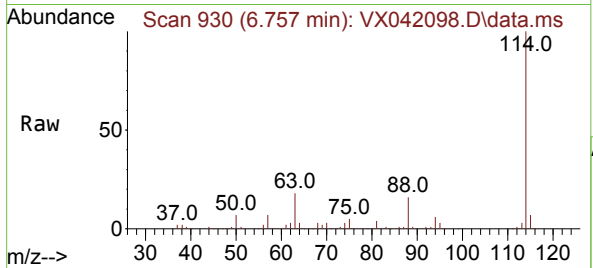




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 911
Delta R.T. -0.006 min
Lab File: VX042098.D
Acq: 28 Jun 2024 20:09

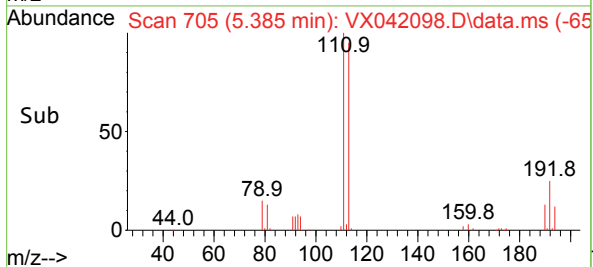
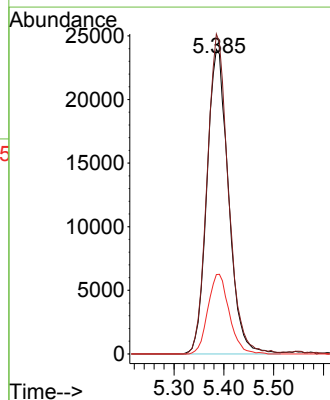
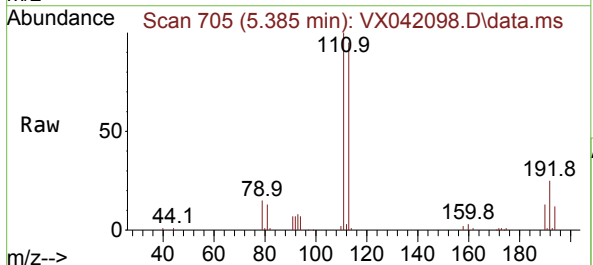
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-658-660

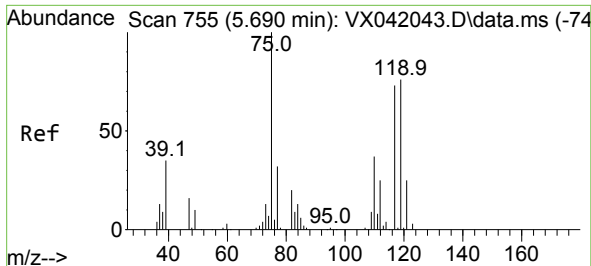
Tgt Ion:114 Resp: 211469
Ion Ratio Lower Upper
114 100
63 18.2 0.0 45.0
88 15.7 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.913 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX042098.D
Acq: 28 Jun 2024 20:09

Tgt Ion:113 Resp: 71892
Ion Ratio Lower Upper
113 100
111 103.7 82.9 124.3
192 25.9 13.3 19.9#

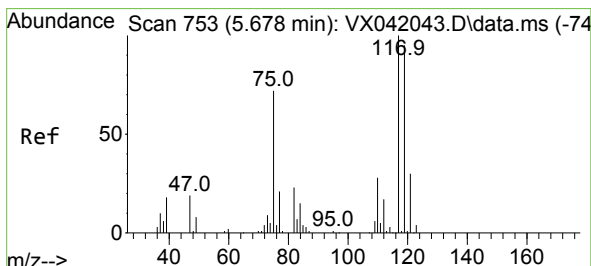
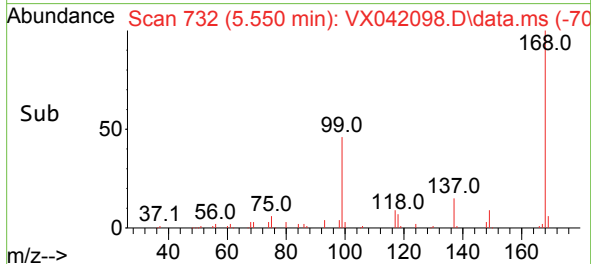
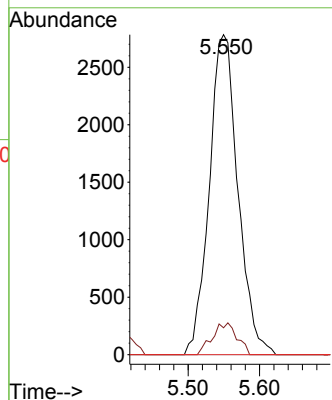
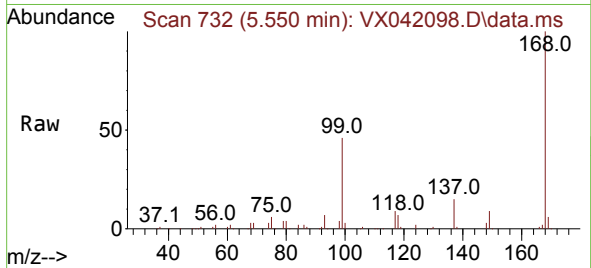




#36
1,1-Dichloropropene
Concen: 4.869 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX042098.D
Acq: 28 Jun 2024 20:09

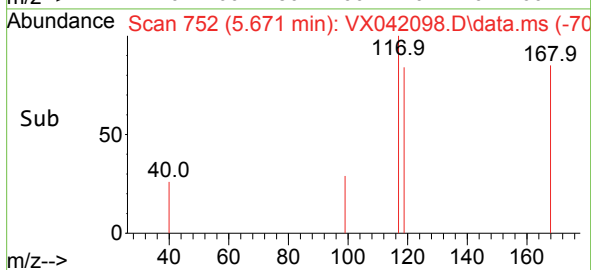
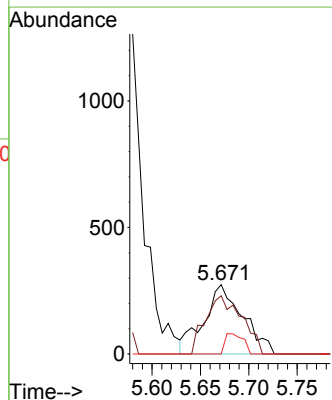
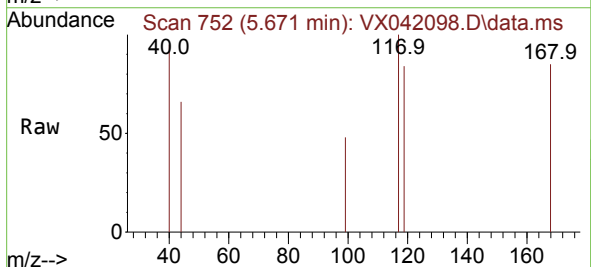
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-658-660

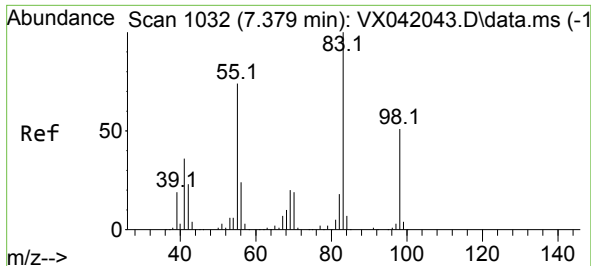
Tgt Ion: 75 Resp: 7758
Ion Ratio Lower Upper
75 100
110 8.5 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 0.435 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.006 min
Lab File: VX042098.D
Acq: 28 Jun 2024 20:09

Tgt Ion: 117 Resp: 765
Ion Ratio Lower Upper
117 100
119 83.9 78.2 117.2
121 0.0 24.4 36.6#

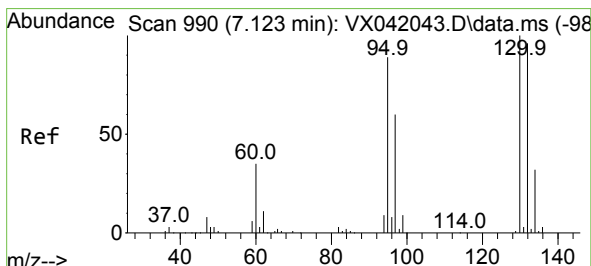
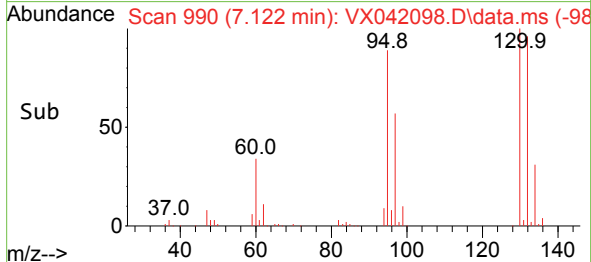
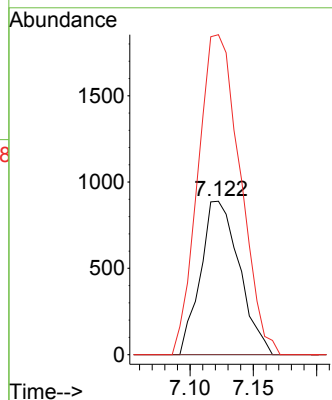
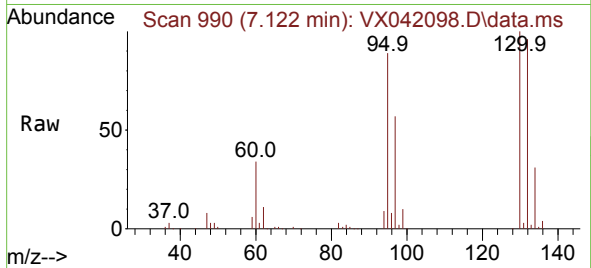




#39
Methylcyclohexane
Concen: 0.941 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX042098.D
Acq: 28 Jun 2024 20:09

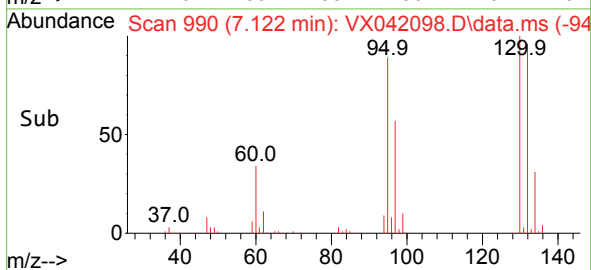
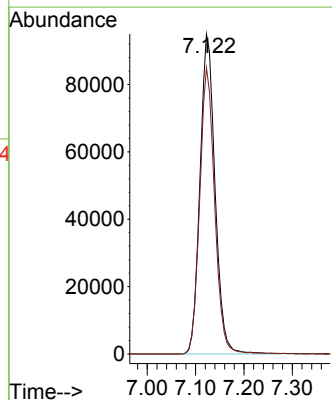
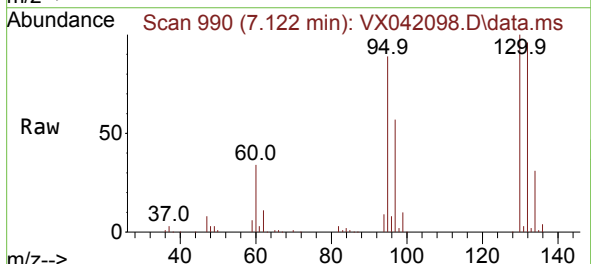
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-658-660

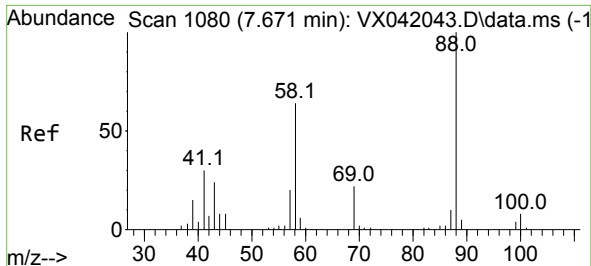
Tgt Ion: 83 Resp: 1897
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 208.5 36.7 55.1#



#44
Trichloroethene
Concen: 142.651 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.006 min
Lab File: VX042098.D
Acq: 28 Jun 2024 20:09

Tgt Ion:130 Resp: 205484
Ion Ratio Lower Upper
130 100
95 89.4 0.0 204.4

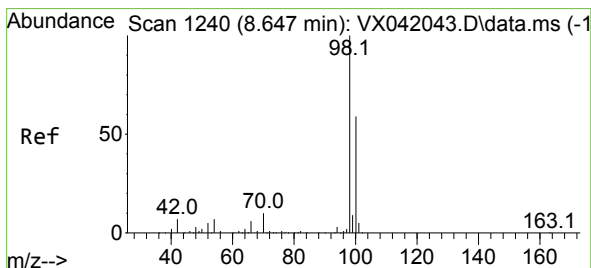
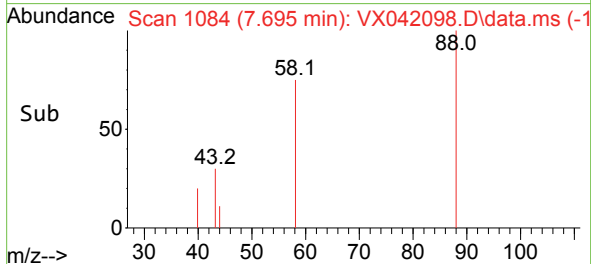
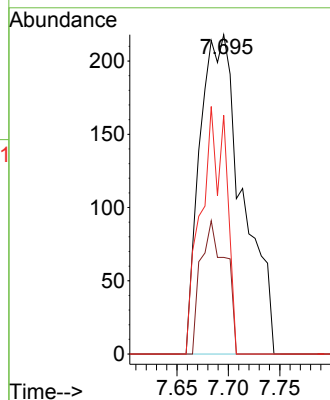
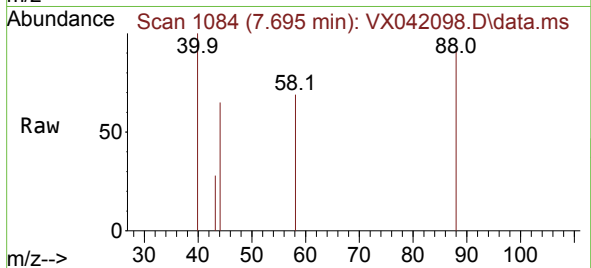




#49
1,4-Dioxane
Concen: 35.279 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.030 min
Lab File: VX042098.D
Acq: 28 Jun 2024 20:09

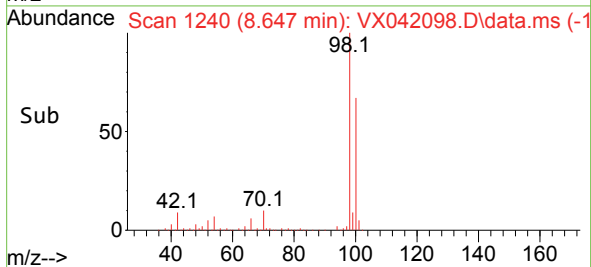
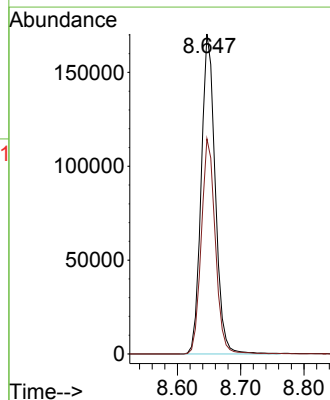
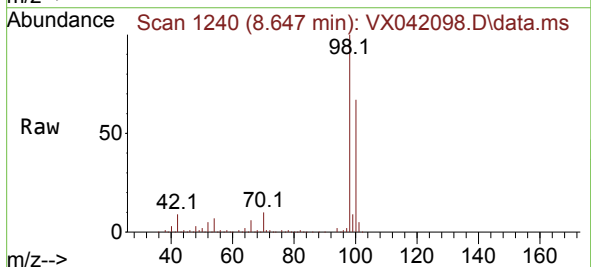
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-658-660

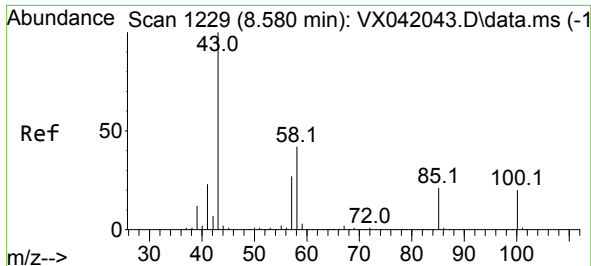
Tgt Ion: 88 Resp: 630
Ion Ratio Lower Upper
88 100
43 24.4 0.0 0.0#
58 45.6 60.1 90.1#



#50
Toluene-d8
Concen: 49.983 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX042098.D
Acq: 28 Jun 2024 20:09

Tgt Ion: 98 Resp: 263476
Ion Ratio Lower Upper
98 100
100 67.3 53.1 79.7

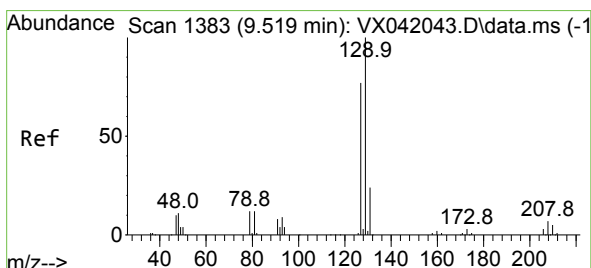
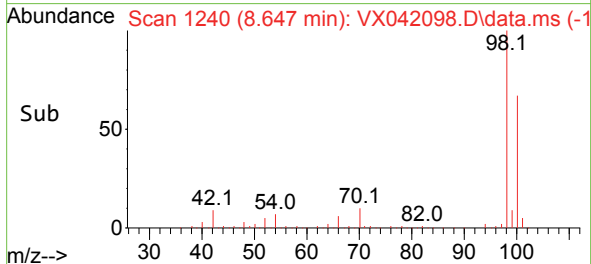
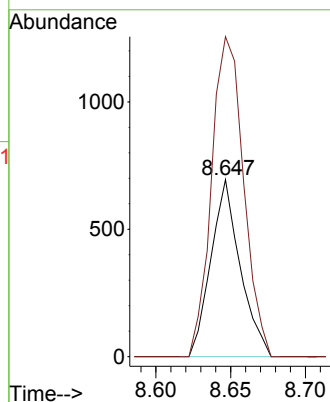
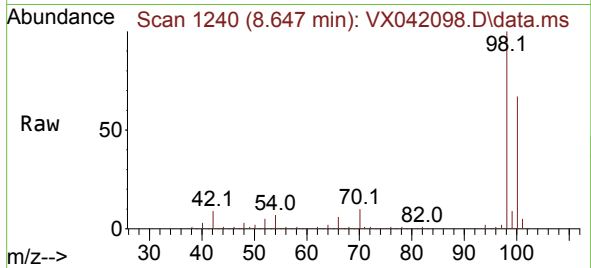




#51
4-Methyl-2-Pentanone
Concen: 0.431 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX042098.D
Acq: 28 Jun 2024 20:09

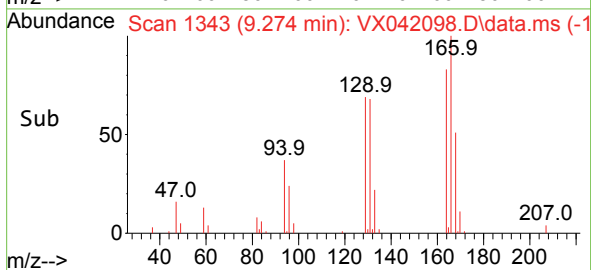
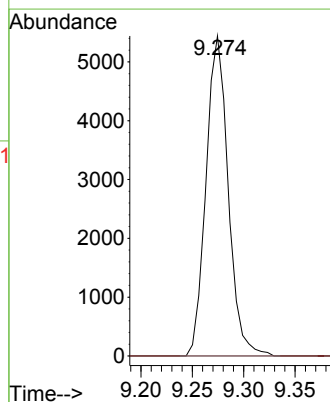
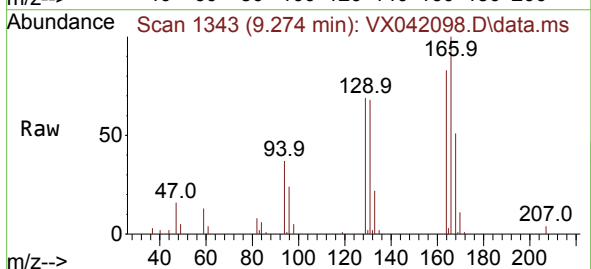
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-658-660

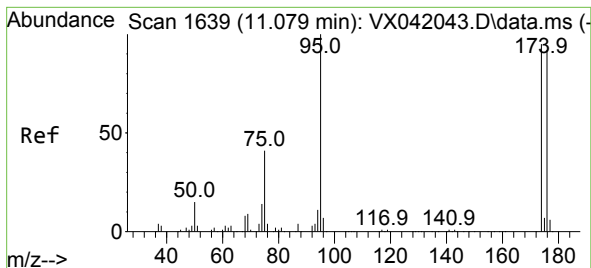
Tgt Ion: 43 Resp: 946
Ion Ratio Lower Upper
43 100
58 197.8 30.4 45.6#



#60
Dibromochloromethane
Concen: 5.284 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX042098.D
Acq: 28 Jun 2024 20:09

Tgt Ion: 129 Resp: 8183
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

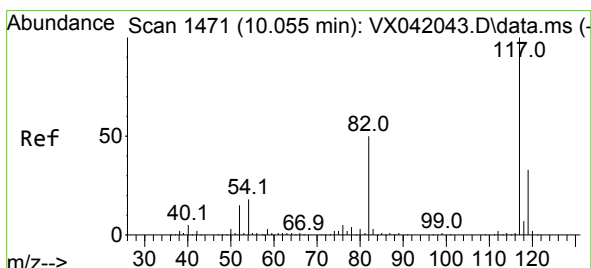
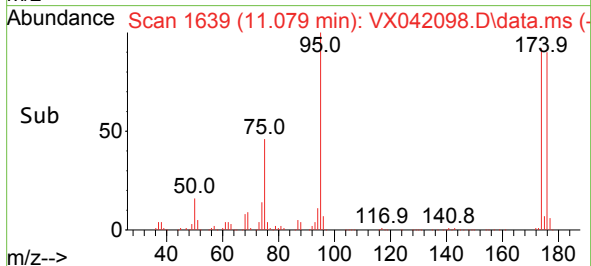
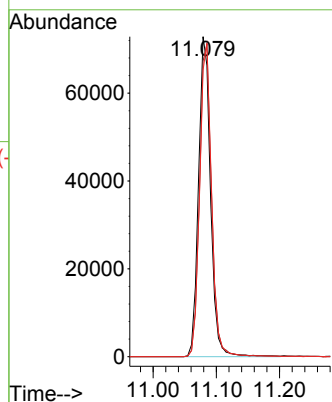
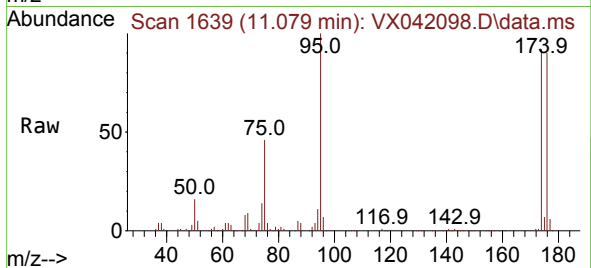




#62
4-Bromofluorobenzene
Concen: 49.570 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX042098.D
Acq: 28 Jun 2024 20:09

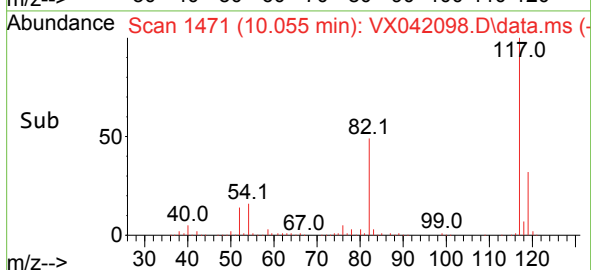
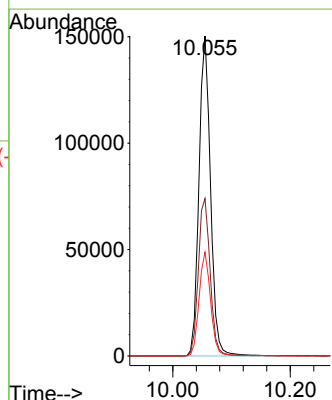
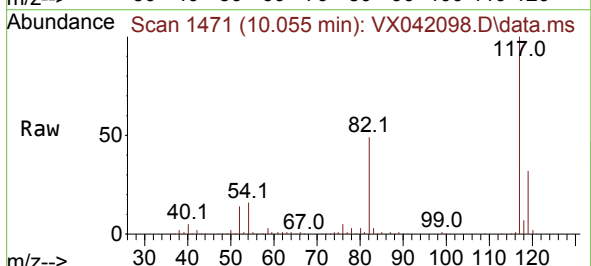
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-658-660

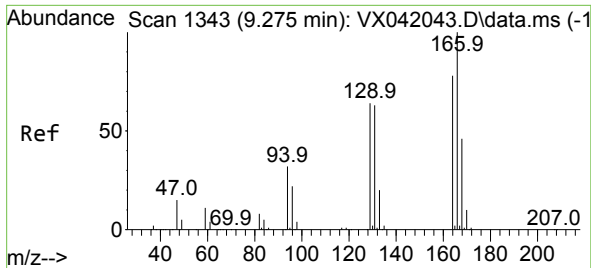
Tgt Ion: 95 Resp: 96321
Ion Ratio Lower Upper
95 100
174 98.0 0.0 135.6
176 97.1 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX042098.D
Acq: 28 Jun 2024 20:09

Tgt Ion: 117 Resp: 205690
Ion Ratio Lower Upper
117 100
82 49.2 46.2 69.4
119 32.4 25.5 38.3

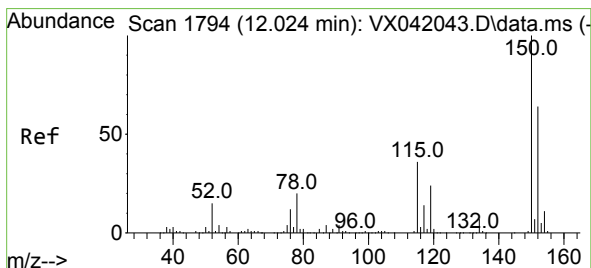
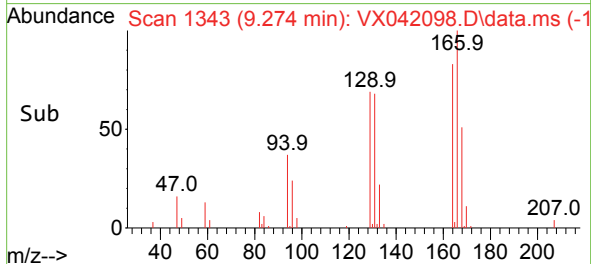
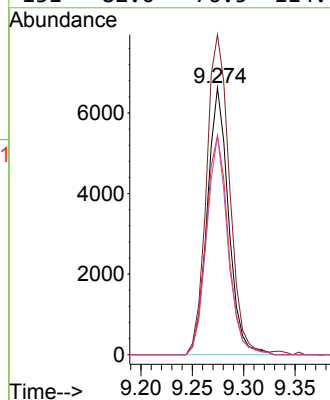
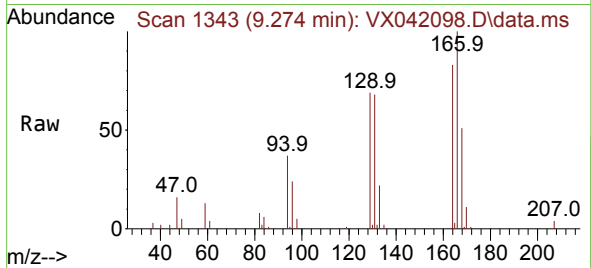




#64
Tetrachloroethene
Concen: 6.387 ug/l
RT: 9.274 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX042098.D
Acq: 28 Jun 2024 20:09

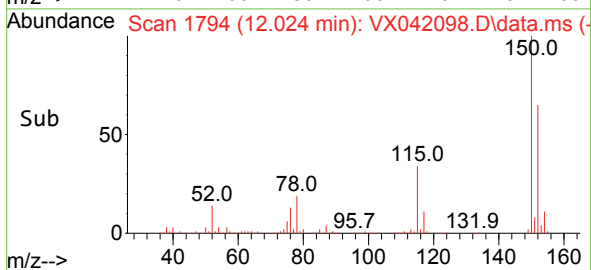
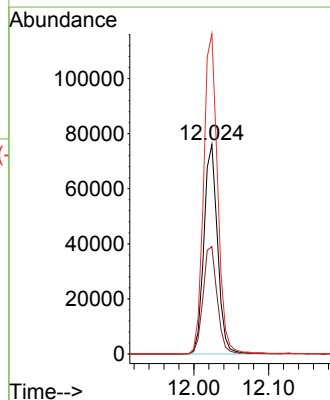
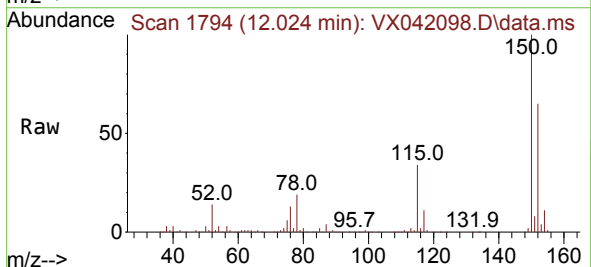
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-658-660

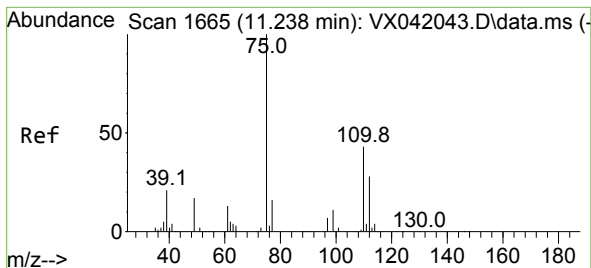
Tgt Ion:164	Resp:	9565
Ion	Ratio	Lower Upper
164	100	
166	119.8	102.7 154.1
129	82.1	80.4 120.6
131	82.0	76.5 114.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX042098.D
Acq: 28 Jun 2024 20:09

Tgt Ion:152	Resp:	96751
Ion	Ratio	Lower Upper
152	100	
115	53.3	43.3 129.9
150	156.4	0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 24.675 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX042098.D

Acq: 28 Jun 2024 20:09

Instrument :

MSVOA_X

ClientSampleId :

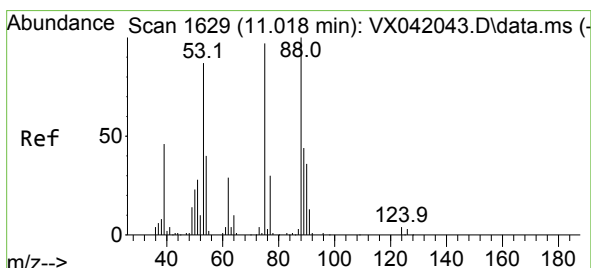
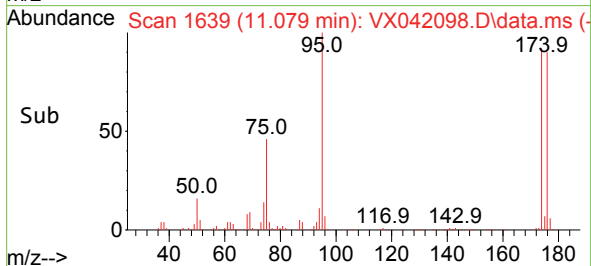
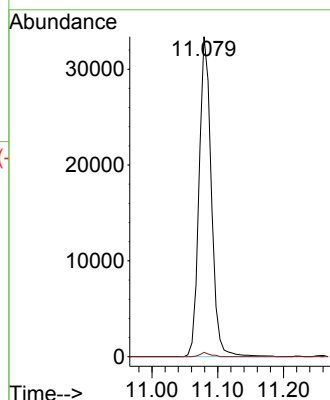
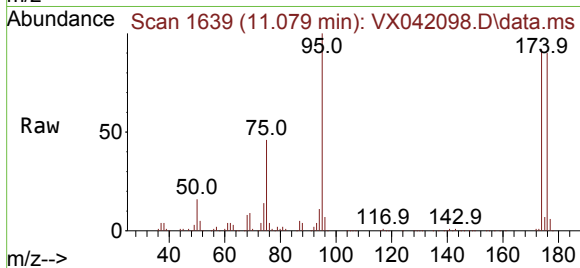
BP-VPB-189-GW-658-660

Tgt Ion: 75 Resp: 43339

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.074 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX042098.D

Acq: 28 Jun 2024 20:09

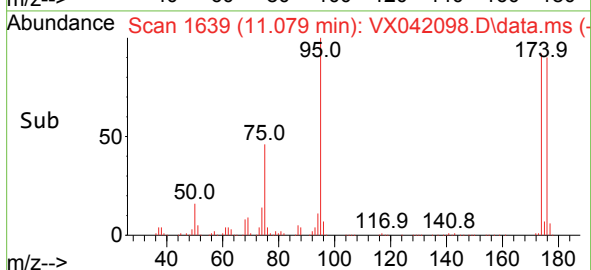
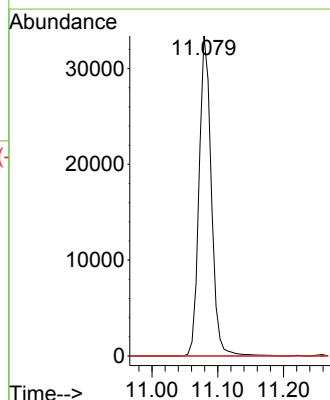
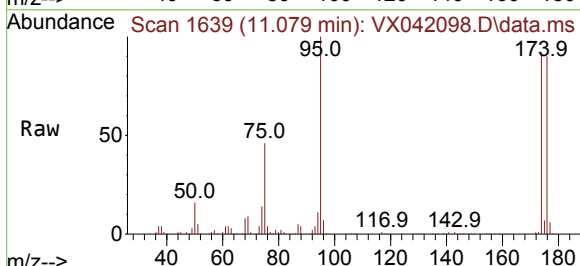
Tgt Ion: 75 Resp: 43339

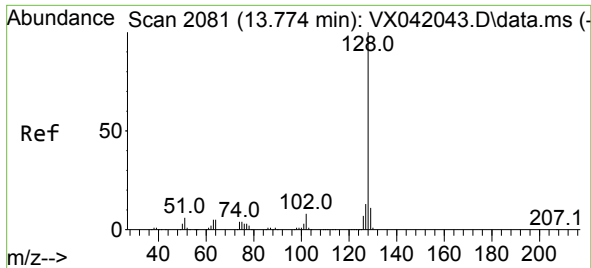
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#95

Naphthalene

Concen: 0.794 ug/l

RT: 13.798 min Scan# 20

Delta R.T. 0.024 min

Lab File: VX042098.D

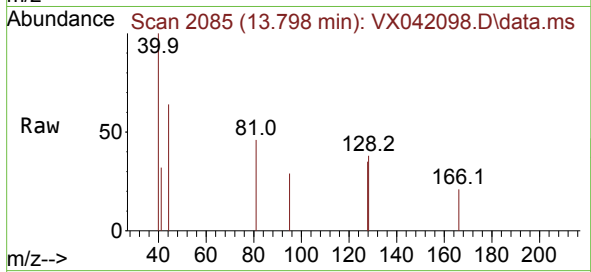
Acq: 28 Jun 2024 20:09

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-189-GW-658-660



Tgt Ion:128 Resp: 328

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.8 13.2#

