

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062824\
 Data File : VX042093.D
 Acq On : 28 Jun 2024 18:12
 Operator : JC/MD
 Sample : P3128-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-189-GW-610-612

Quant Time: Jun 29 04:23:20 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)

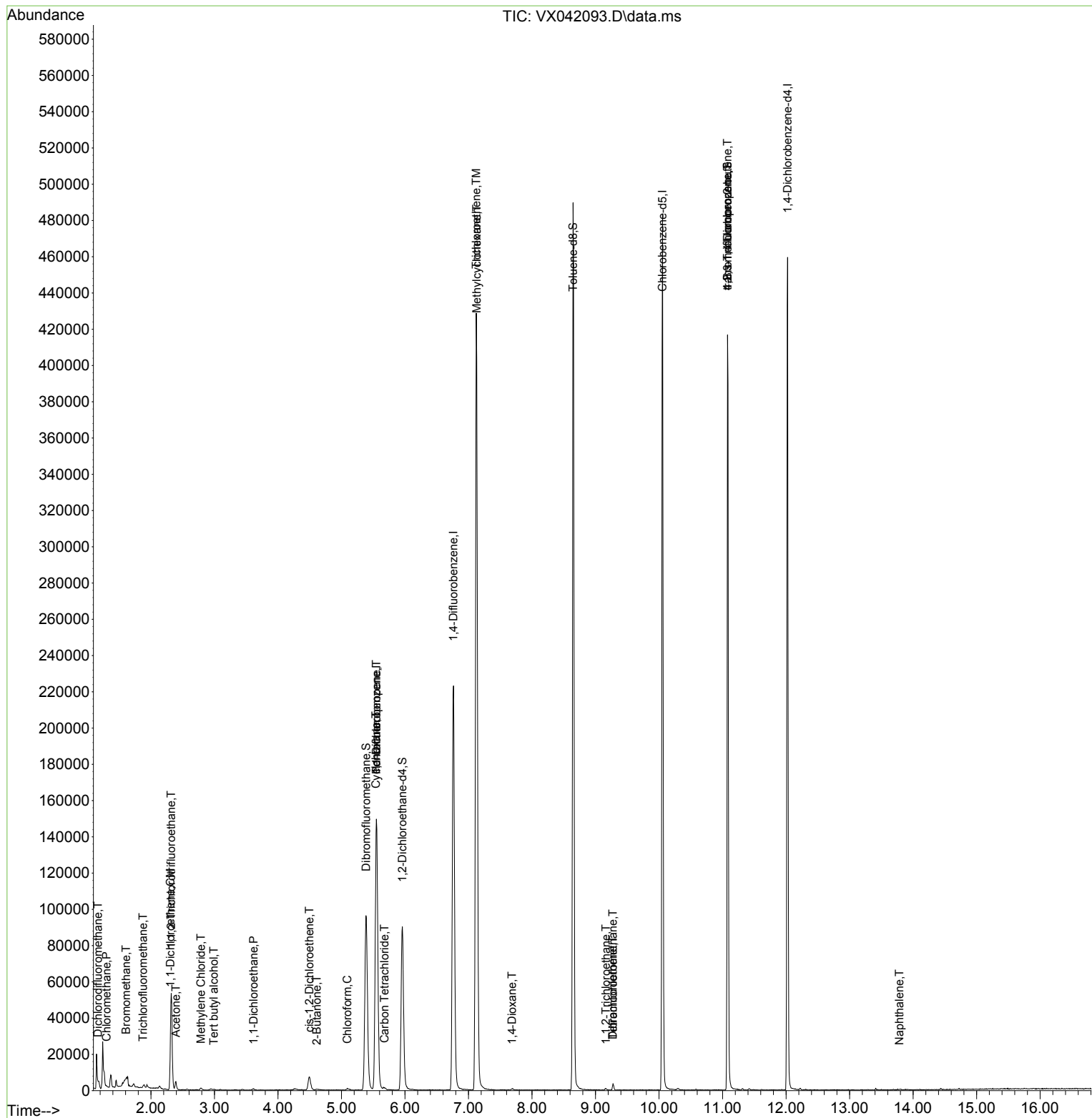
Internal Standards						
1) Pentafluorobenzene	5.549	168	167911	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	252260	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	237073	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	112631	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	86308	44.575	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.160%		
35) Dibromofluoromethane	5.385	113	86240	48.181	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.360%		
50) Toluene-d8	8.646	98	309925	49.288	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.580%		
62) 4-Bromofluorobenzene	11.079	95	110309	47.589	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.180%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	752	0.588	ug/l	88
3) Chloromethane	1.300	50	429	0.267	ug/l #	86
5) Bromomethane	1.605	94	243	0.306	ug/l #	46
6) Chloroethane	1.654	64	131	Below Cal	#	43
7) Trichlorofluoromethane	1.873	101	434	0.206	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.318	101	19342	13.322	ug/l #	84
11) Tert butyl alcohol	2.989	59	658	1.791	ug/l #	78
12) 1,1-Dichloroethene	2.306	96	2363	1.632	ug/l #	76
16) Acetone	2.391	43	4081	4.800	ug/l	92
20) Methylene Chloride	2.788	84	690	0.371	ug/l #	75
24) 1,1-Dichloroethane	3.617	63	1026	0.377	ug/l #	83
25) 2-Butanone	4.611	43	495	0.374	ug/l #	74
27) cis-1,2-Dichloroethene	4.495	96	5729	3.112	ug/l	73
30) Chloroform	5.092	83	1127	0.398	ug/l	92
31) Cyclohexane	5.543	56	2120	0.936	ug/l #	1
36) 1,1-Dichloropropene	5.549	75	9555	5.027	ug/l #	51
38) Carbon Tetrachloride	5.677	117	914	0.435	ug/l	95
39) Methylcyclohexane	7.128	83	1856	0.772	ug/l #	1
44) Trichloroethene	7.122	130	189368	110.205	ug/l	87
49) 1,4-Dioxane	7.683	88	693	34.084	ug/l #	86
55) 1,1,2-Trichloroethane	9.165	97	342	0.201	ug/l #	79
60) Dibromochloromethane	9.274	129	642	0.348	ug/l #	11
64) Tetrachloroethene	9.274	164	754	0.437	ug/l #	77
76) 1,2,3-Trichloropropane	11.079	75	49543	24.230	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	49543	68.811	ug/l #	5
95) Naphthalene	13.786	128	499	0.809	ug/l #	69

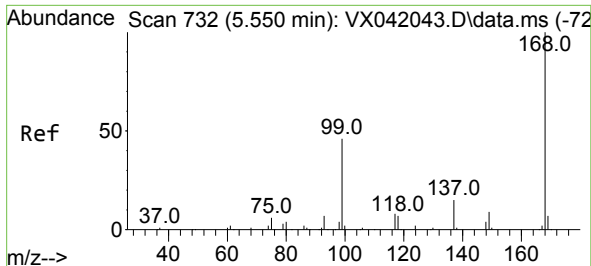
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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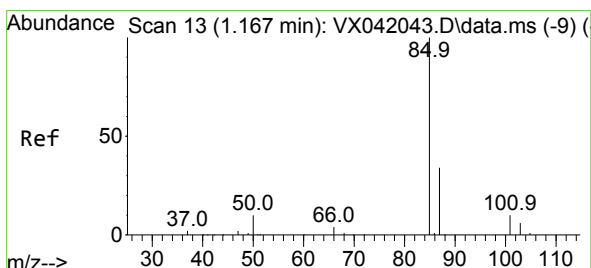
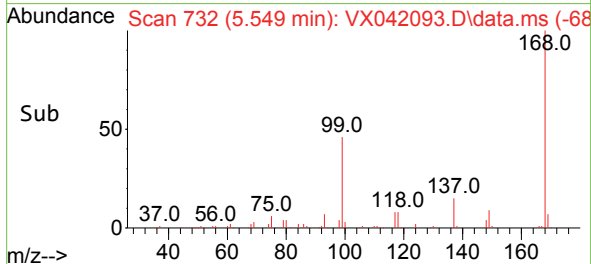
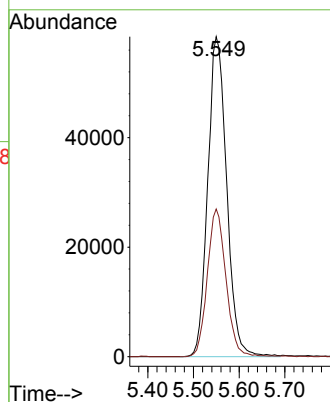
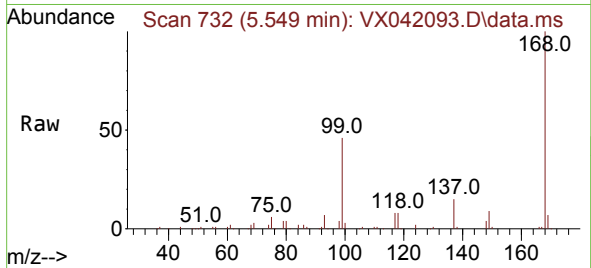




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX042093.D
Acq: 28 Jun 2024 18:12

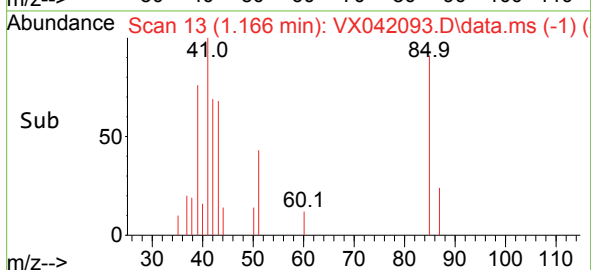
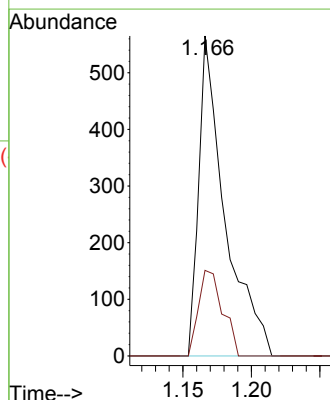
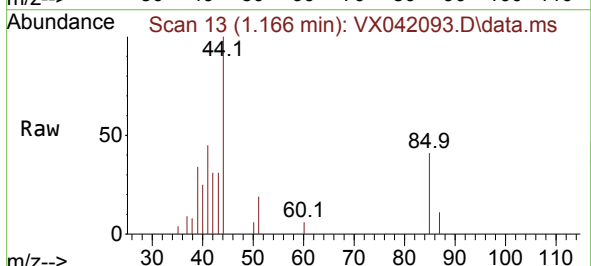
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-610-612

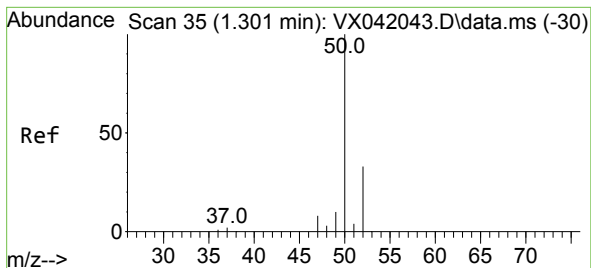
Tgt Ion:168 Resp: 167911
Ion Ratio Lower Upper
168 100
99 46.2 56.6 85.0#



#2
Dichlorodifluoromethane
Concen: 0.588 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX042093.D
Acq: 28 Jun 2024 18:12

Tgt Ion: 85 Resp: 752
Ion Ratio Lower Upper
85 100
87 26.7 16.7 50.1





#3

Chloromethane

Concen: 0.267 ug/l

RT: 1.300 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX042093.D

Acq: 28 Jun 2024 18:12

Instrument :

MSVOA_X

ClientSampleId :

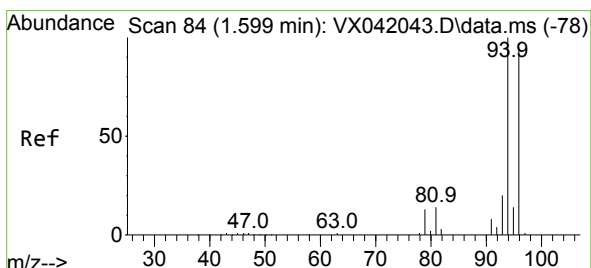
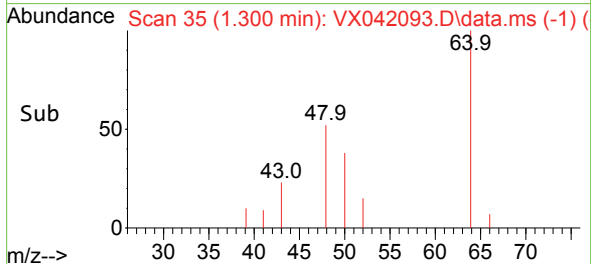
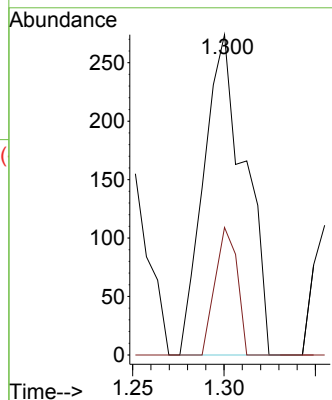
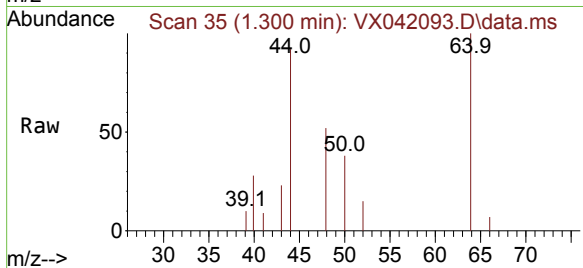
BP-VPB-189-GW-610-612

Tgt Ion: 50 Resp: 429

Ion Ratio Lower Upper

50 100

52 39.8 25.5 38.3#



#5

Bromomethane

Concen: 0.306 ug/l

RT: 1.605 min Scan# 85

Delta R.T. 0.006 min

Lab File: VX042093.D

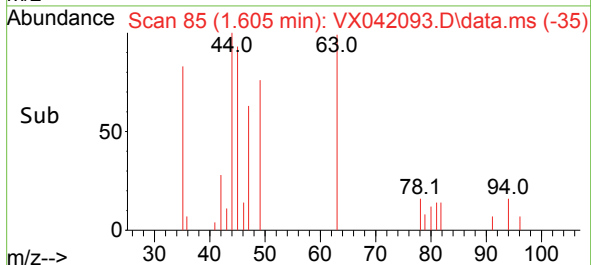
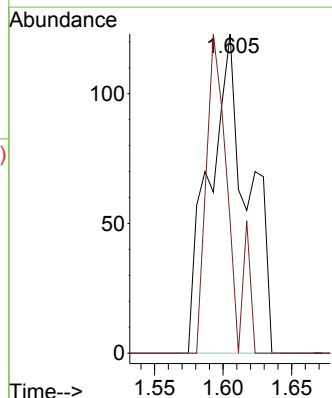
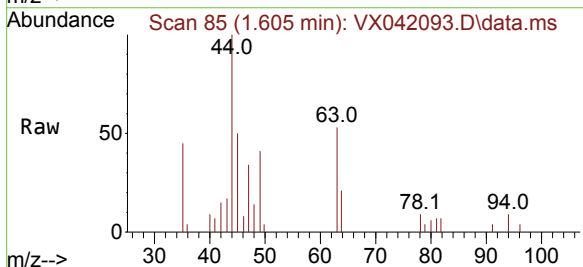
Acq: 28 Jun 2024 18:12

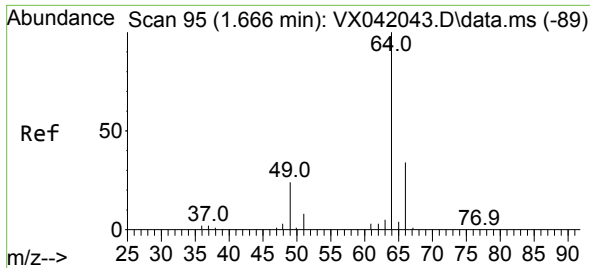
Tgt Ion: 94 Resp: 243

Ion Ratio Lower Upper

94 100

96 41.5 74.6 111.8#

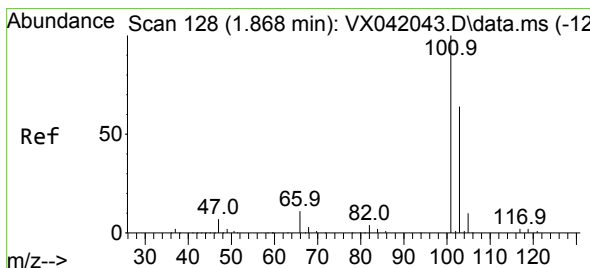
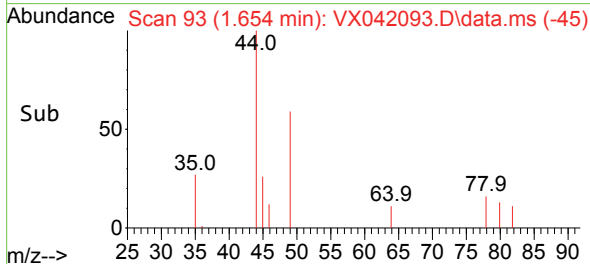
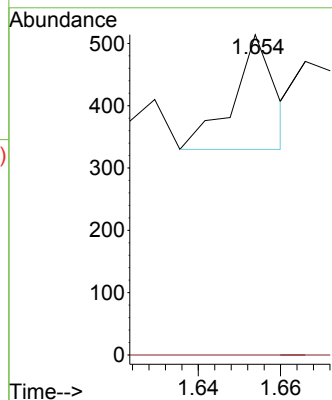
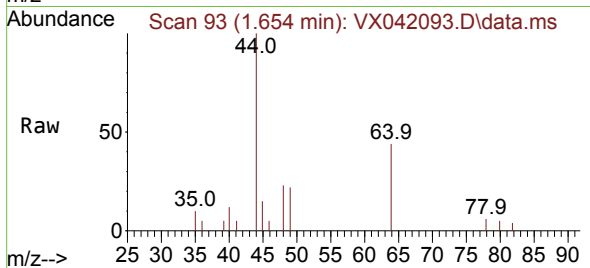




#6
Chloroethane
Concen: Below Cal
RT: 1.654 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX042093.D
Acq: 28 Jun 2024 18:12

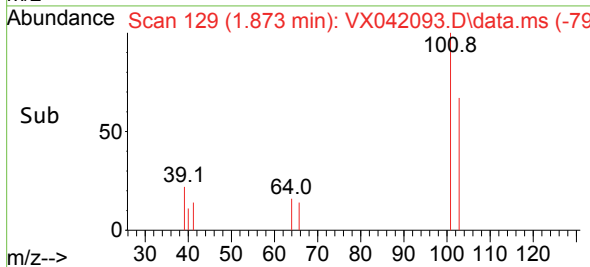
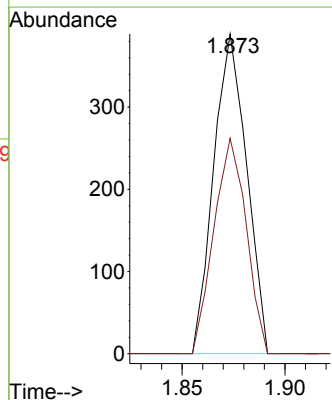
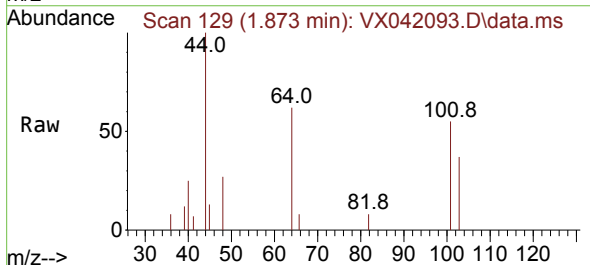
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-610-612

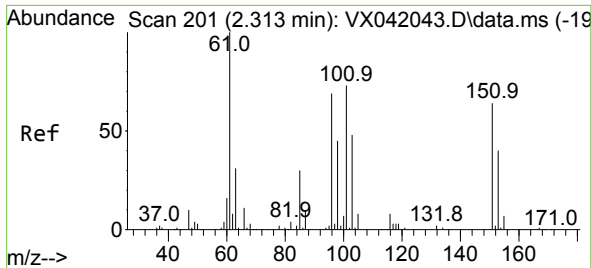
Tgt Ion: 64 Resp: 131
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#7
Trichlorofluoromethane
Concen: 0.206 ug/l
RT: 1.873 min Scan# 129
Delta R.T. 0.006 min
Lab File: VX042093.D
Acq: 28 Jun 2024 18:12

Tgt Ion: 101 Resp: 434
Ion Ratio Lower Upper
101 100
103 67.4 51.4 77.2

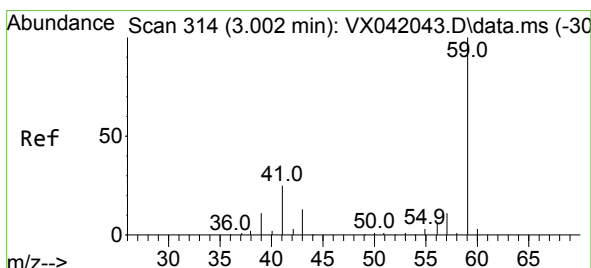
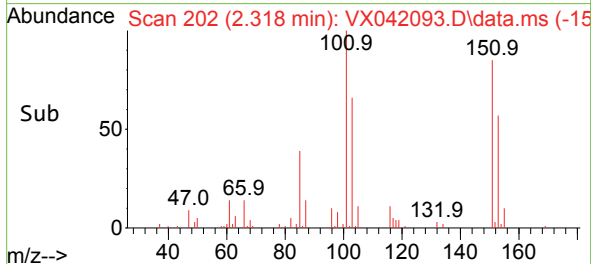
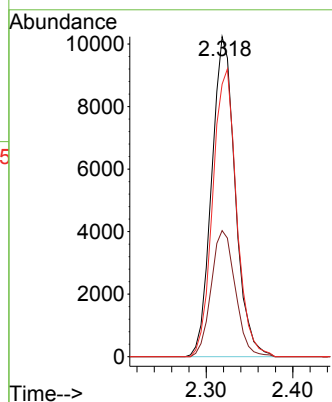
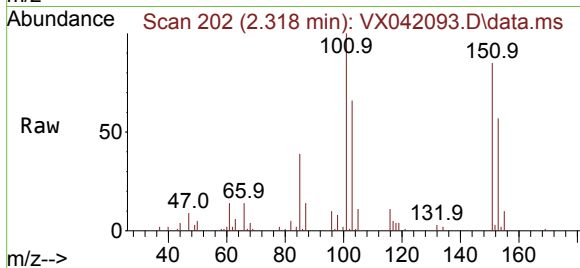




#9
1,1,2-Trichlorotrifluoroethane
Concen: 13.322 ug/l
RT: 2.318 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX042093.D
Acq: 28 Jun 2024 18:12

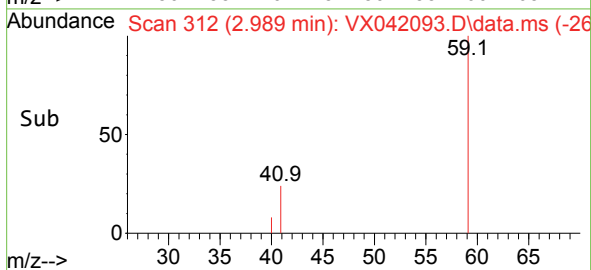
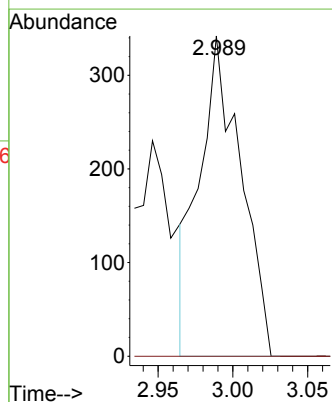
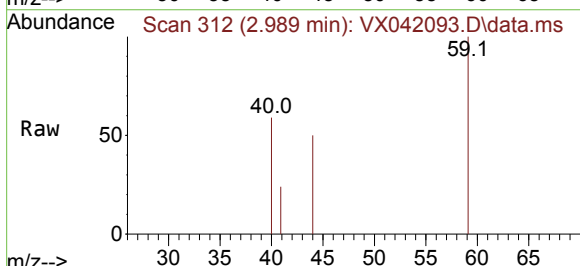
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-610-612

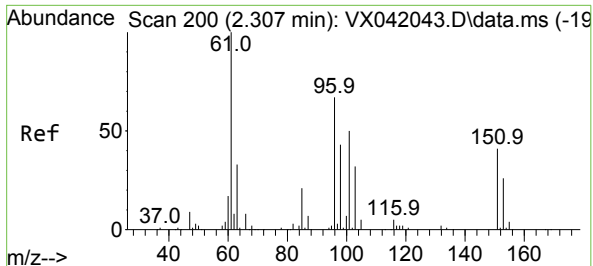
Tgt Ion:101 Resp: 19342
Ion Ratio Lower Upper
101 100
85 40.3 37.0 55.6
151 90.7 58.6 87.8#



#11
Tert butyl alcohol
Concen: 1.791 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.019 min
Lab File: VX042093.D
Acq: 28 Jun 2024 18:12

Tgt Ion: 59 Resp: 658
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#12

1,1-Dichloroethene

Concen: 1.632 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX042093.D

Acq: 28 Jun 2024 18:12

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-189-GW-610-612

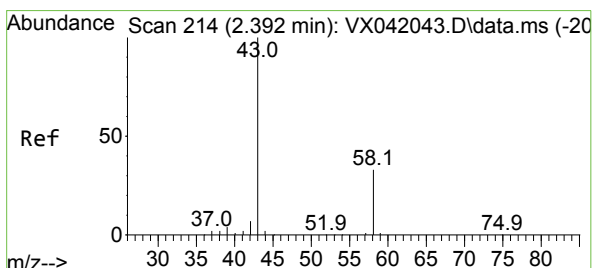
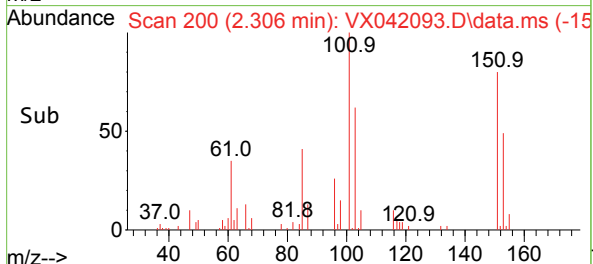
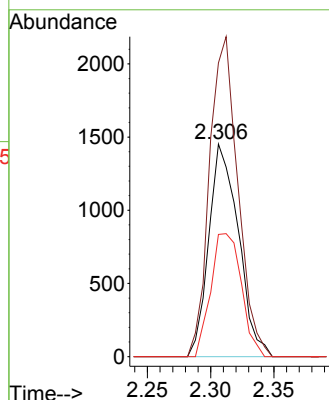
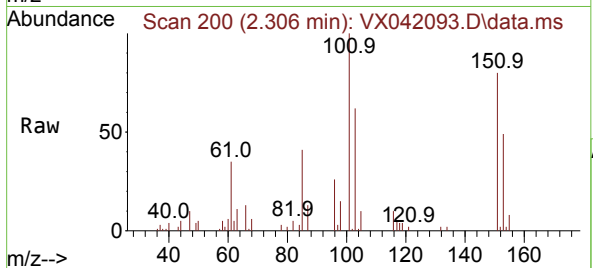
Tgt Ion: 96 Resp: 2363

Ion Ratio Lower Upper

96 100

61 138.1 144.6 216.8#

98 57.5 50.4 75.6



#16

Acetone

Concen: 4.800 ug/l

RT: 2.391 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX042093.D

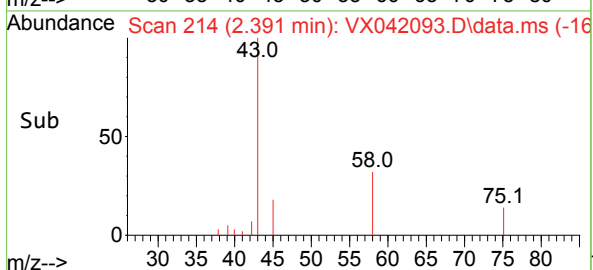
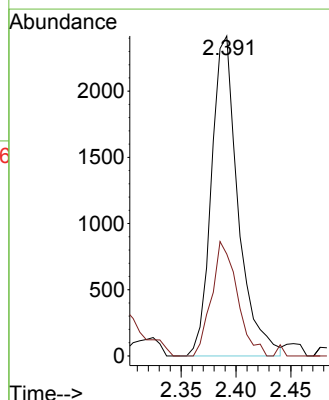
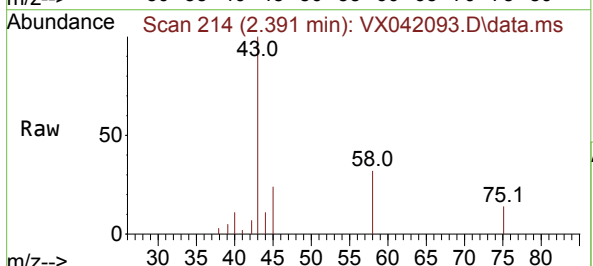
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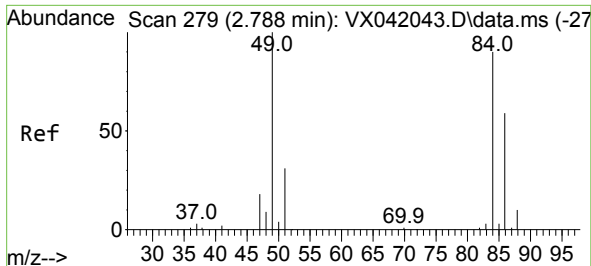
Tgt Ion: 43 Resp: 4081

Ion Ratio Lower Upper

43 100

58 31.8 21.9 32.9

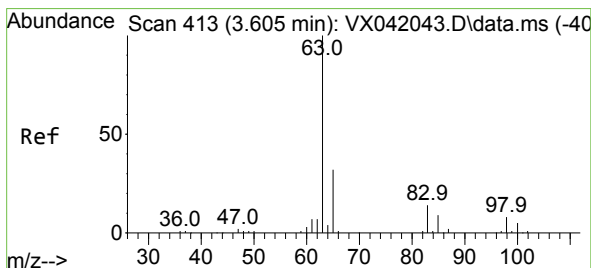
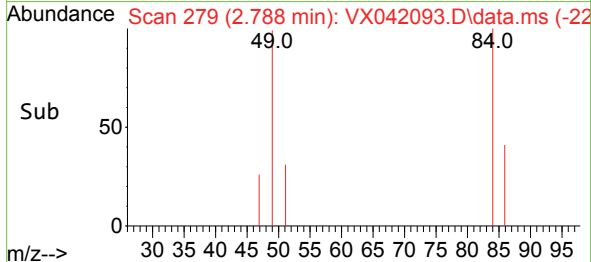
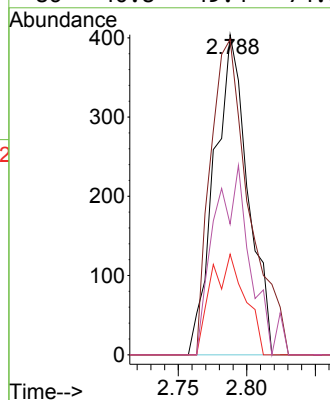
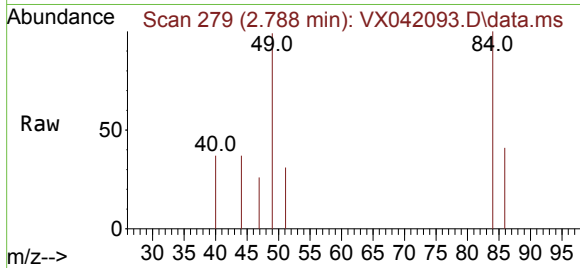




#20
Methylene Chloride
Concen: 0.371 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX042093.D
Acq: 28 Jun 2024 18:12

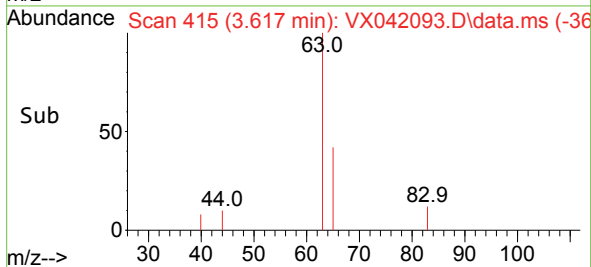
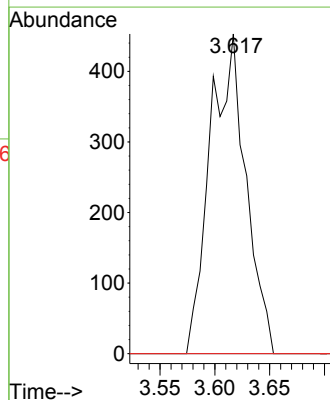
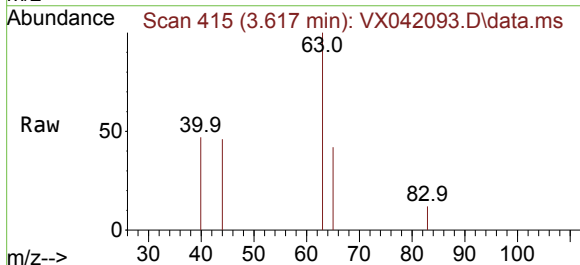
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MSVOA_X
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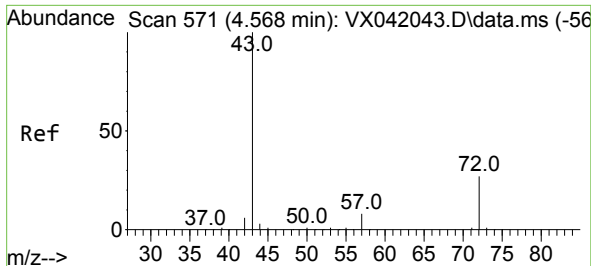
Tgt Ion: 84	Resp: 690
Ion Ratio	Lower Upper
84 100	
49 98.5	103.6 155.4#
51 31.4	33.8 50.6#
86 40.8	49.4 74.0#



#24
1,1-Dichloroethane
Concen: 0.377 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.012 min
Lab File: VX042093.D
Acq: 28 Jun 2024 18:12

Tgt Ion: 63	Resp: 1026
Ion Ratio	Lower Upper
63 100	
98 0.0	3.3 9.8#
100 0.0	2.1 6.5#

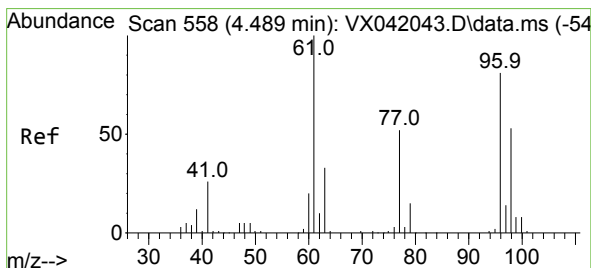
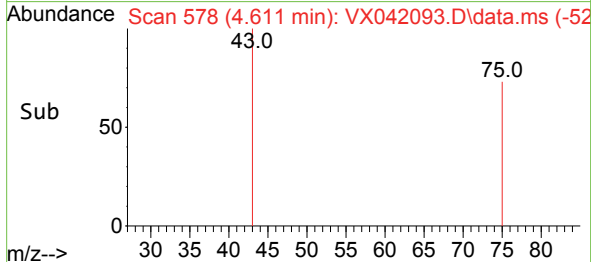
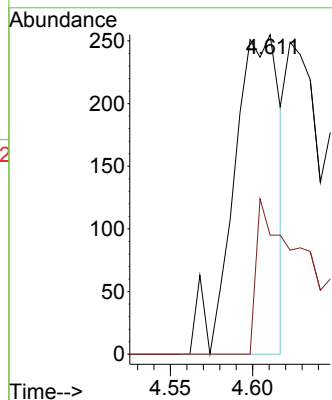
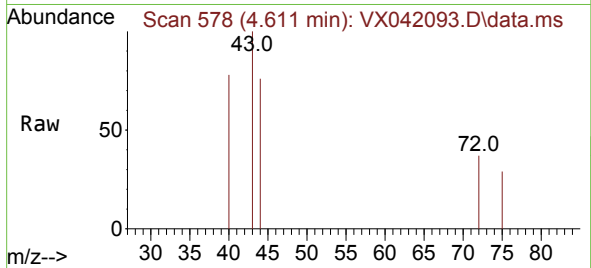




#25
2-Butanone
Concen: 0.374 ug/l
RT: 4.611 min Scan# 51
Delta R.T. 0.036 min
Lab File: VX042093.D
Acq: 28 Jun 2024 18:12

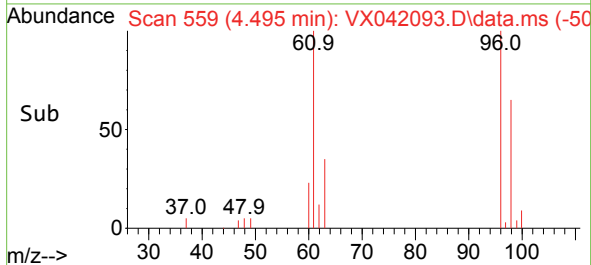
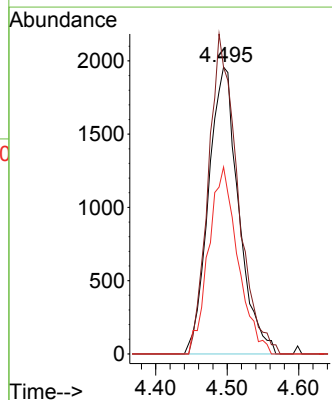
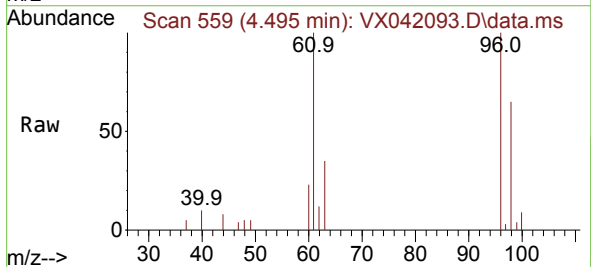
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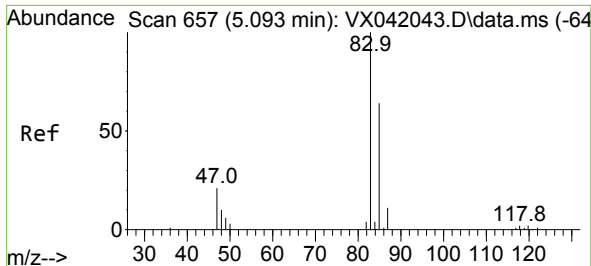
Tgt Ion: 43 Resp: 495
Ion Ratio Lower Upper
43 100
72 37.3 19.4 29.2#



#27
cis-1,2-Dichloroethene
Concen: 3.112 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX042093.D
Acq: 28 Jun 2024 18:12

Tgt Ion: 96 Resp: 5729
Ion Ratio Lower Upper
96 100
61 108.3 0.0 312.2
98 63.2 0.0 129.0

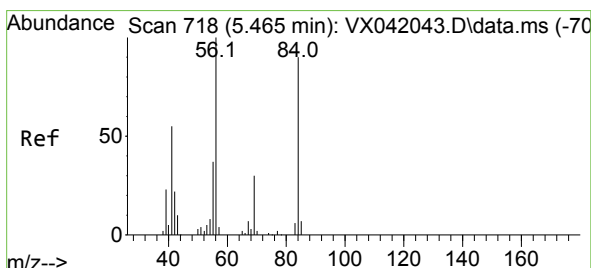
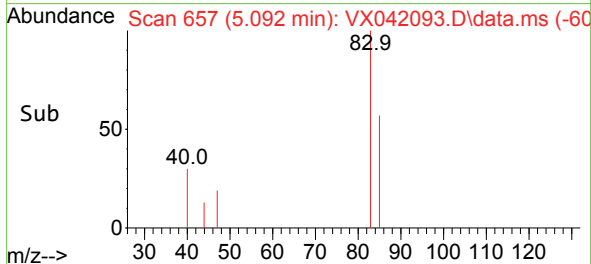
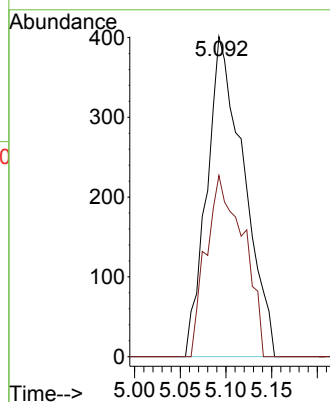
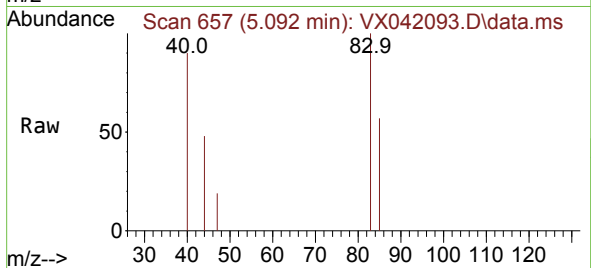




#30
Chloroform
Concen: 0.398 ug/l
RT: 5.092 min Scan# 612
Delta R.T. -0.006 min
Lab File: VX042093.D
Acq: 28 Jun 2024 18:12

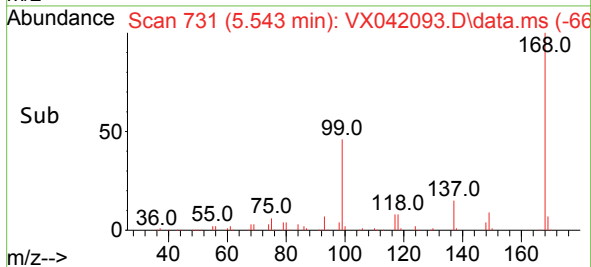
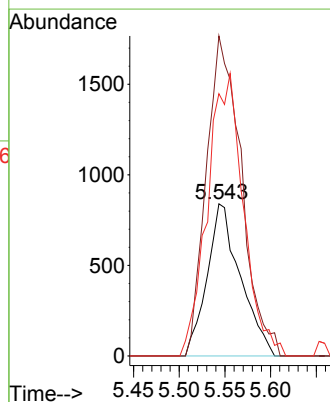
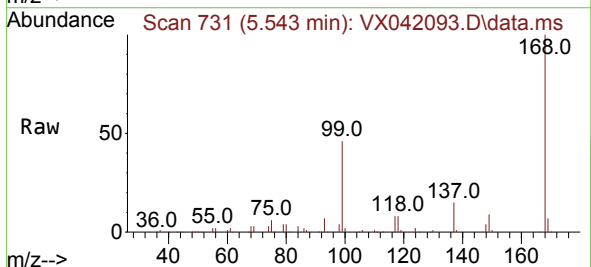
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-610-612

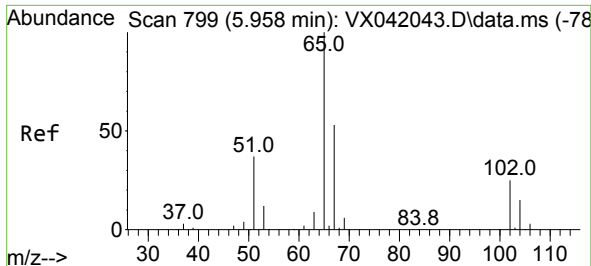
Tgt Ion: 83 Resp: 1127
Ion Ratio Lower Upper
83 100
85 56.6 50.3 75.5



#31
Cyclohexane
Concen: 0.936 ug/l
RT: 5.543 min Scan# 731
Delta R.T. 0.079 min
Lab File: VX042093.D
Acq: 28 Jun 2024 18:12

Tgt Ion: 56 Resp: 2120
Ion Ratio Lower Upper
56 100
69 210.4 23.4 35.2#
84 172.4 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 44.575 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX042093.D

Acq: 28 Jun 2024 18:12

Instrument :

MSVOA_X

ClientSampleId :

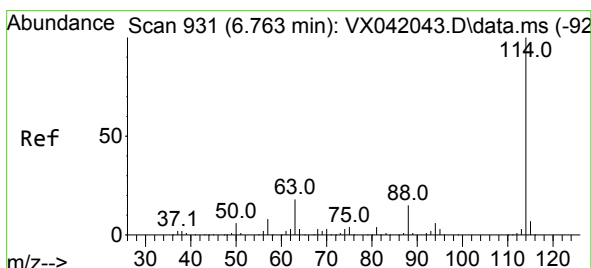
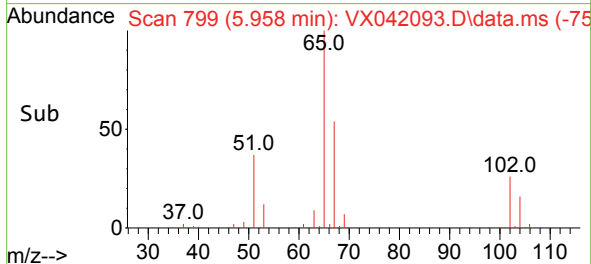
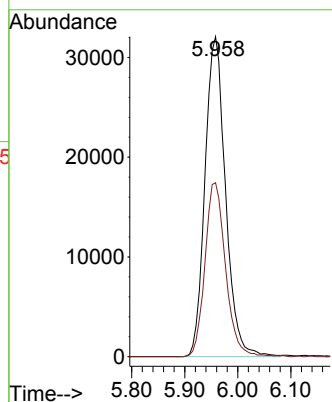
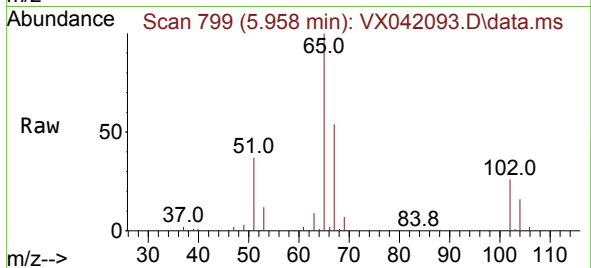
BP-VPB-189-GW-610-612

Tgt Ion: 65 Resp: 86308

Ion Ratio Lower Upper

65 100

67 54.6 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX042093.D

Acq: 28 Jun 2024 18:12

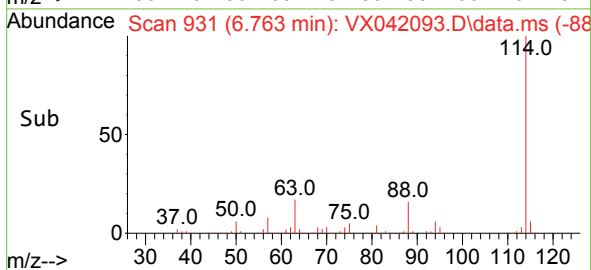
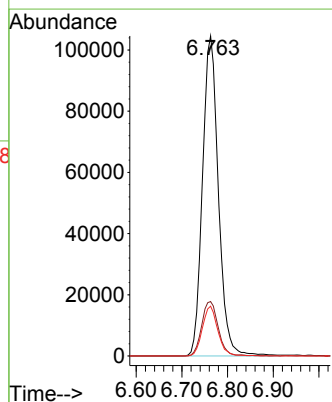
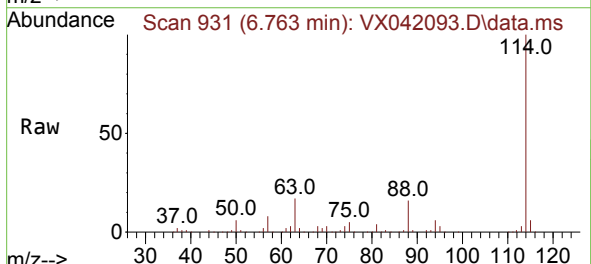
Tgt Ion: 114 Resp: 252260

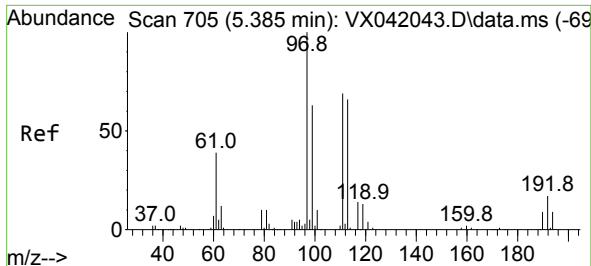
Ion Ratio Lower Upper

114 100

63 17.0 0.0 45.0

88 15.5 0.0 36.6

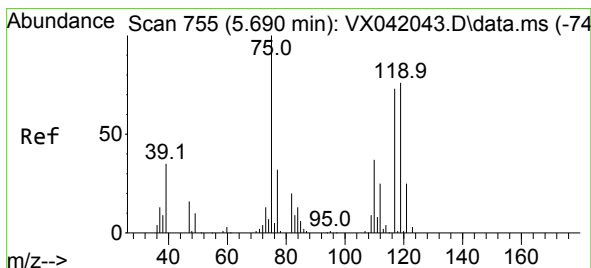
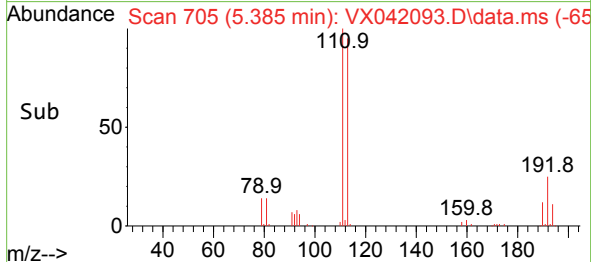
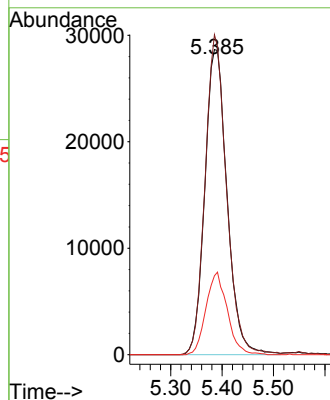
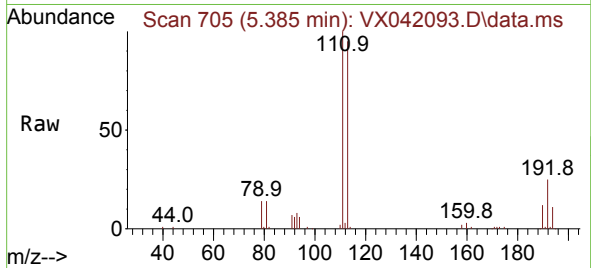




#35
Dibromofluoromethane
Concen: 48.181 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX042093.D
Acq: 28 Jun 2024 18:12

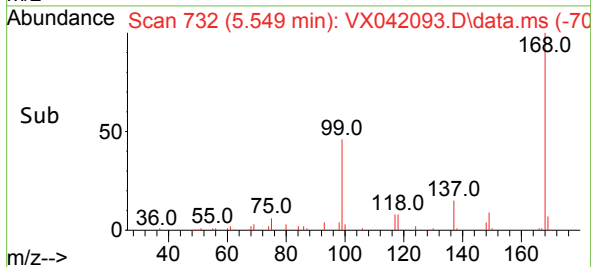
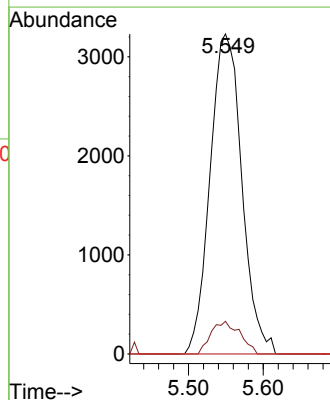
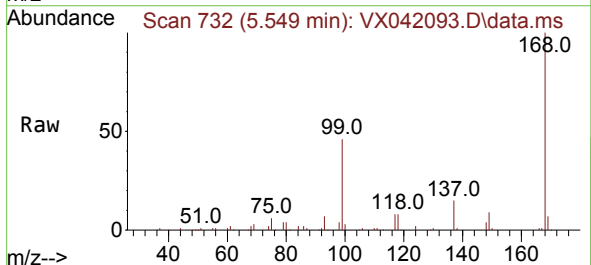
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-610-612

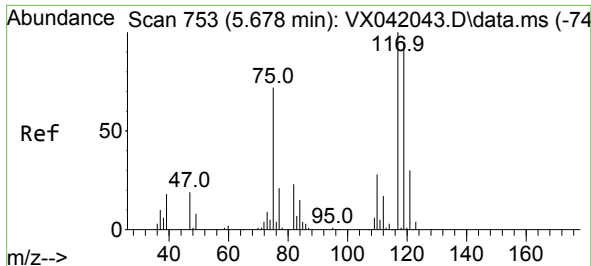
Tgt Ion:113 Resp: 86240
Ion Ratio Lower Upper
113 100
111 100.9 82.9 124.3
192 25.8 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 5.027 ug/l
RT: 5.549 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX042093.D
Acq: 28 Jun 2024 18:12

Tgt Ion: 75 Resp: 9555
Ion Ratio Lower Upper
75 100
110 9.3 17.0 50.9#
77 0.0 24.7 37.1#

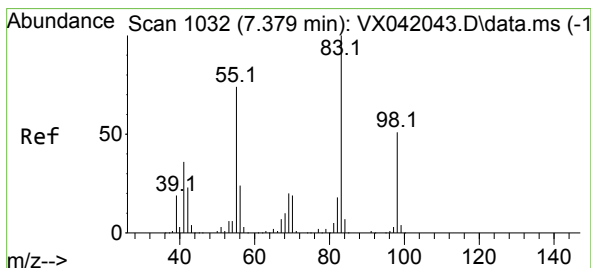
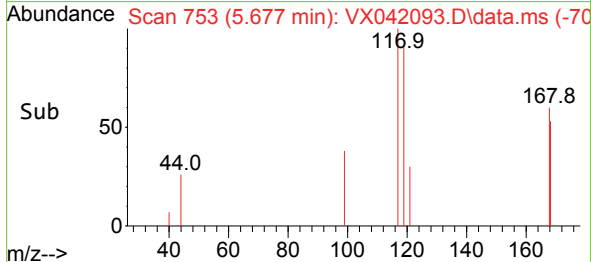
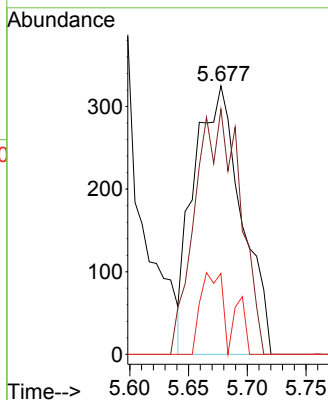
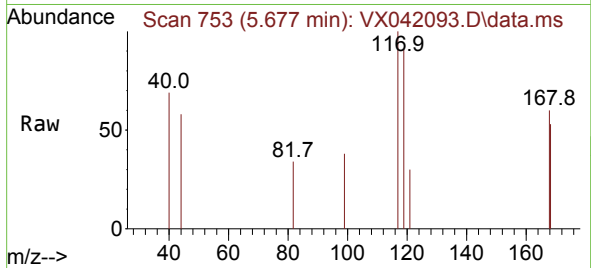




#38
Carbon Tetrachloride
Concen: 0.435 ug/l
RT: 5.677 min Scan# 711
Delta R.T. -0.000 min
Lab File: VX042093.D
Acq: 28 Jun 2024 18:12

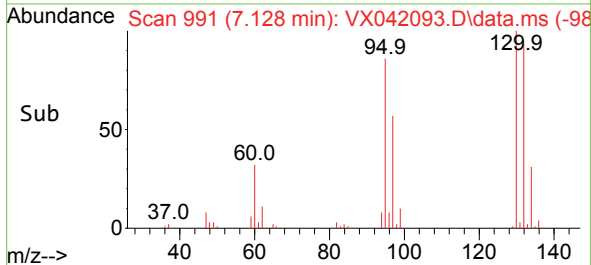
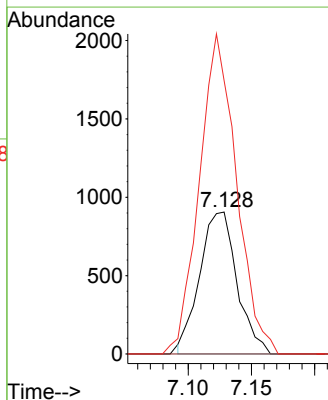
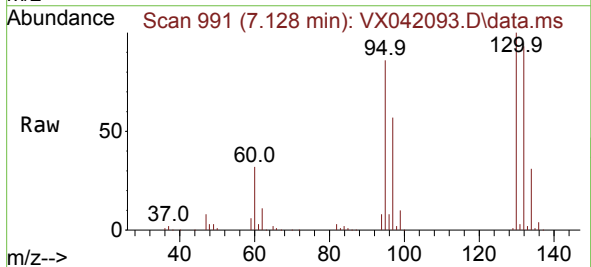
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-610-612

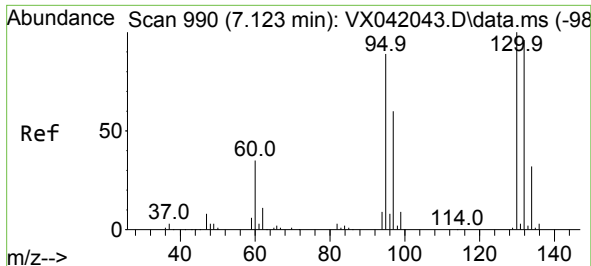
Tgt Ion:	117	Resp:	914
Ion	Ratio	Lower	Upper
117	100		
119	91.4	78.2	117.2
121	30.2	24.4	36.6



#39
Methylcyclohexane
Concen: 0.772 ug/l
RT: 7.128 min Scan# 991
Delta R.T. -0.250 min
Lab File: VX042093.D
Acq: 28 Jun 2024 18:12

Tgt Ion:	83	Resp:	1856
Ion	Ratio	Lower	Upper
83	100		
55	0.0	64.6	97.0#
98	192.5	36.7	55.1#

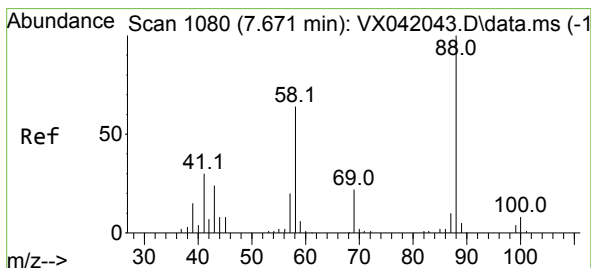
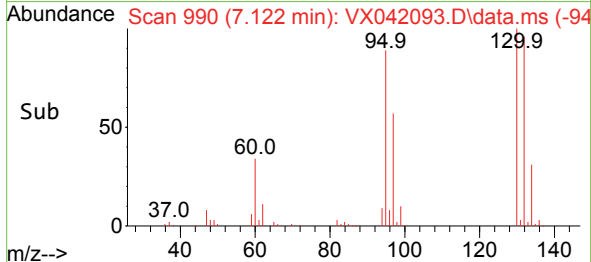
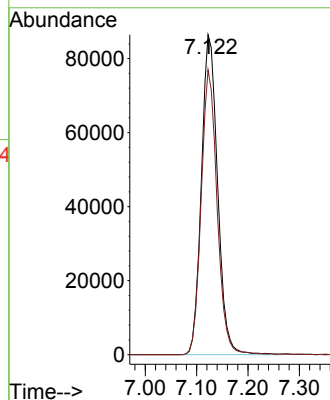
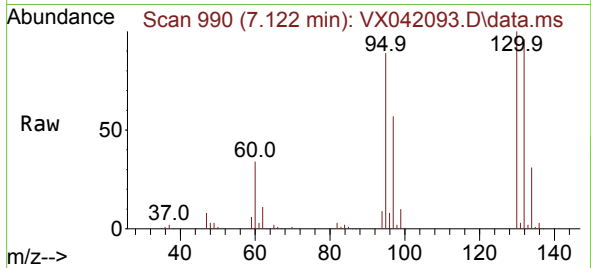




#44
Trichloroethene
Concen: 110.205 ug/l
RT: 7.122 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX042093.D
Acq: 28 Jun 2024 18:12

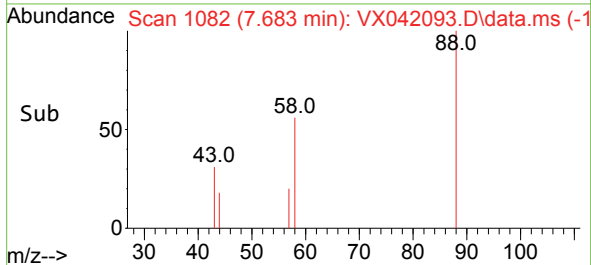
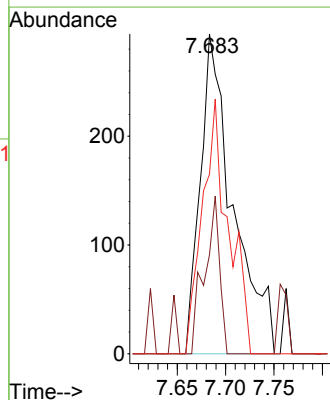
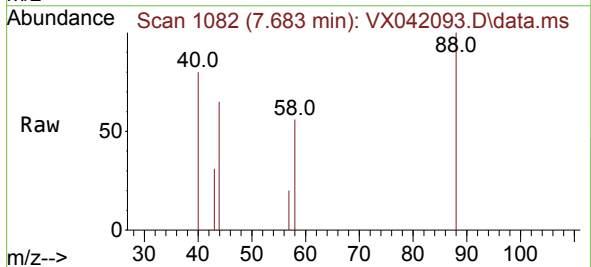
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-610-612

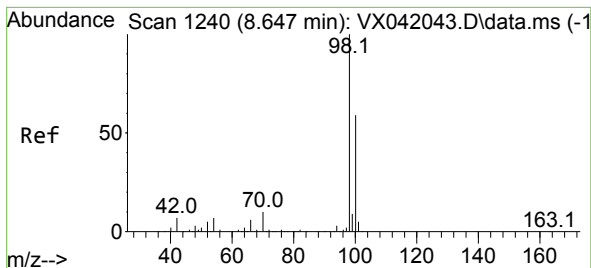
Tgt Ion:130 Resp: 189368
Ion Ratio Lower Upper
130 100
95 89.0 0.0 204.4



#49
1,4-Dioxane
Concen: 34.084 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. 0.018 min
Lab File: VX042093.D
Acq: 28 Jun 2024 18:12

Tgt Ion: 88 Resp: 693
Ion Ratio Lower Upper
88 100
43 22.9 0.0 0.0#
58 63.3 60.1 90.1





#50

Toluene-d8

Concen: 49.288 ug/l

RT: 8.646 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX042093.D

Acq: 28 Jun 2024 18:12

Instrument :

MSVOA_X

ClientSampleId :

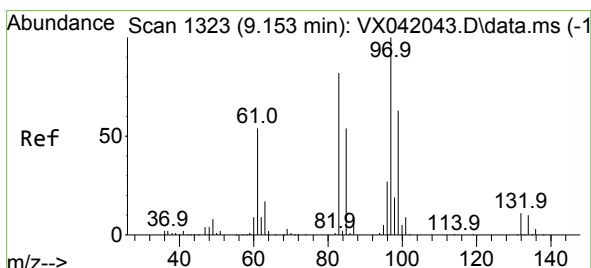
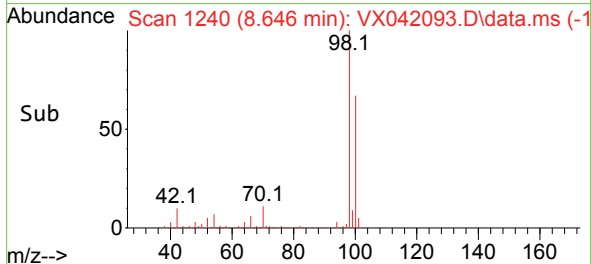
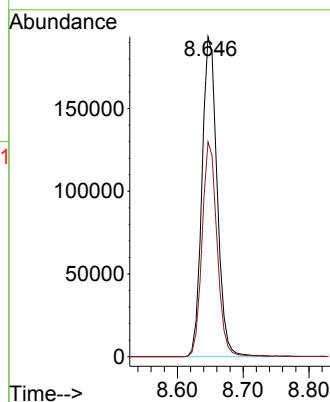
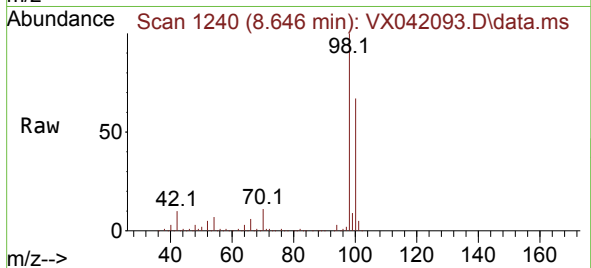
BP-VPB-189-GW-610-612

Tgt Ion: 98 Resp: 309925

Ion Ratio Lower Upper

98 100

100 66.3 53.1 79.7



#55

1,1,2-Trichloroethane

Concen: 0.201 ug/l

RT: 9.165 min Scan# 1325

Delta R.T. 0.012 min

Lab File: VX042093.D

Acq: 28 Jun 2024 18:12

Tgt Ion: 97 Resp: 342

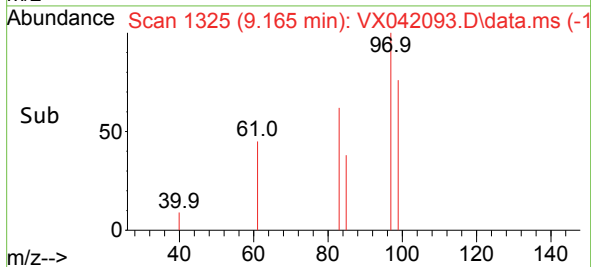
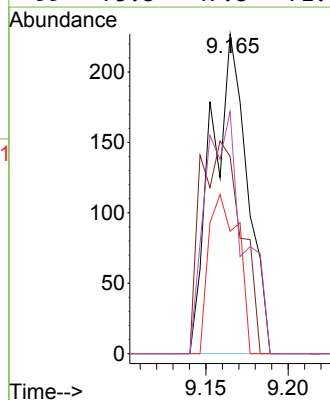
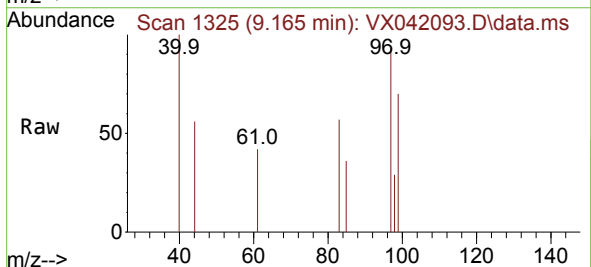
Ion Ratio Lower Upper

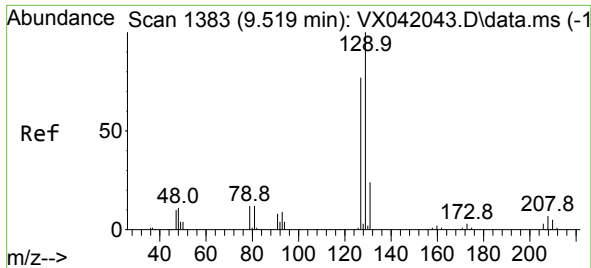
97 100

83 61.7 65.8 98.8#

85 38.3 41.6 62.4#

99 75.8 47.8 71.8#

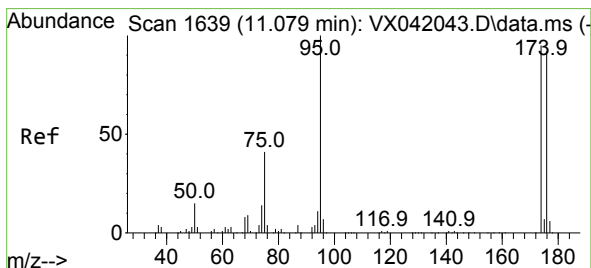
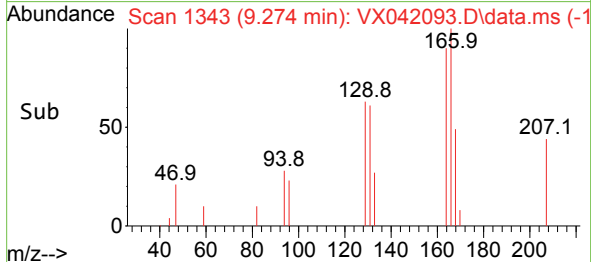
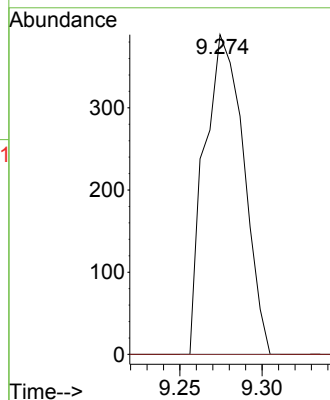
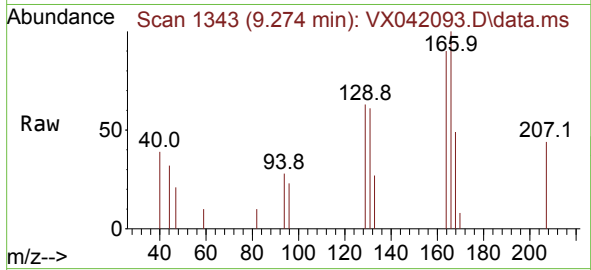




#60
Dibromochloromethane
Concen: 0.348 ug/l
RT: 9.274 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX042093.D
Acq: 28 Jun 2024 18:12

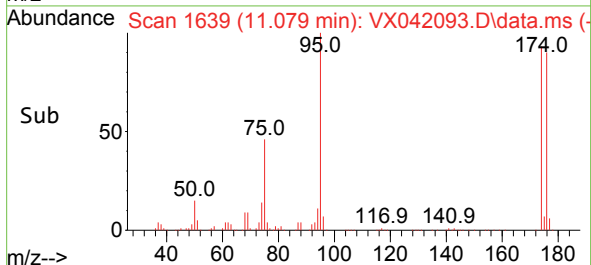
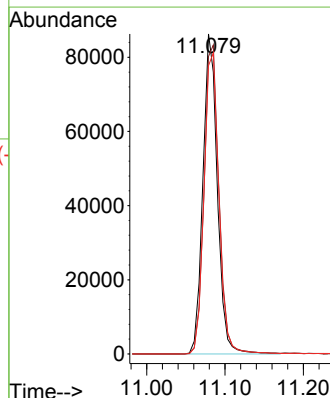
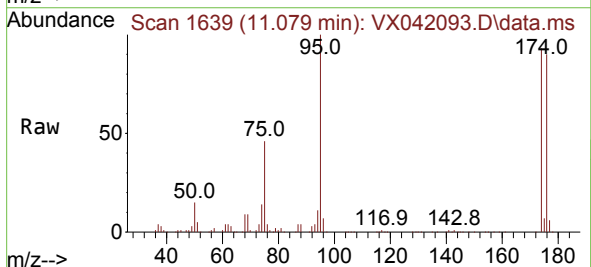
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-610-612

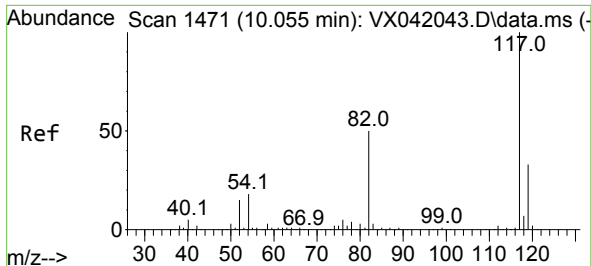
Tgt Ion:129 Resp: 642
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 47.589 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX042093.D
Acq: 28 Jun 2024 18:12

Tgt Ion: 95 Resp: 110309
Ion Ratio Lower Upper
95 100
174 99.6 0.0 135.6
176 97.4 0.0 131.0

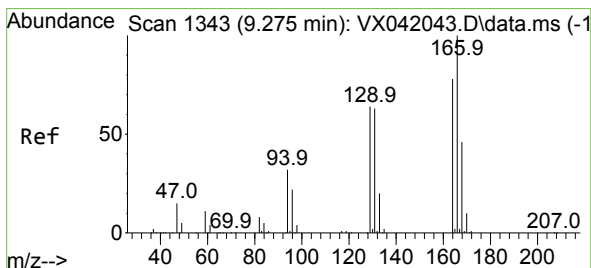
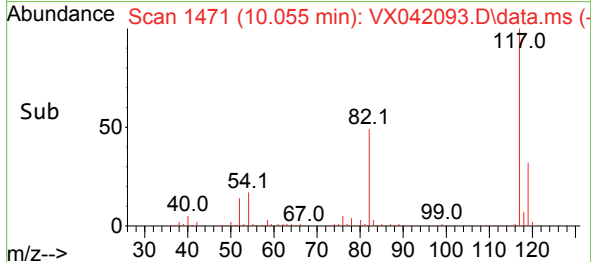
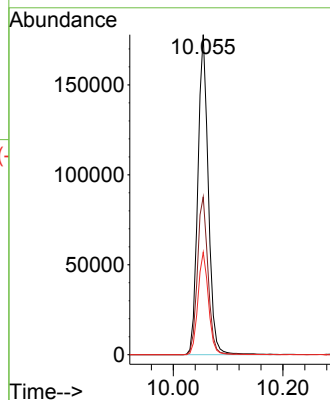
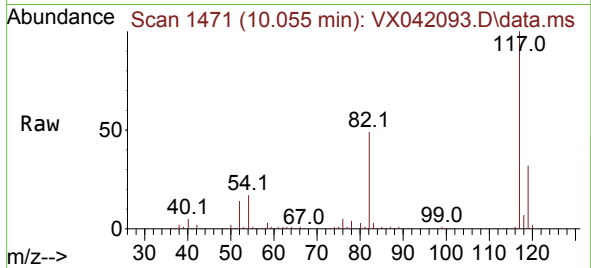




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX042093.D
Acq: 28 Jun 2024 18:12

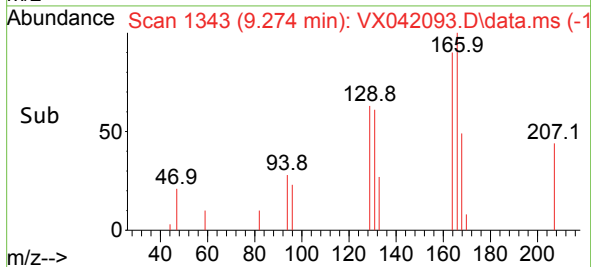
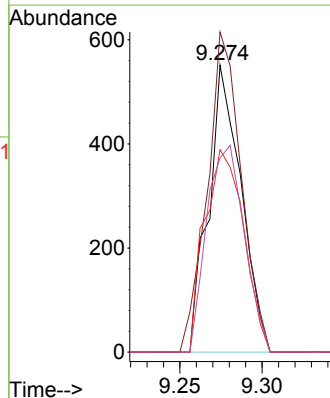
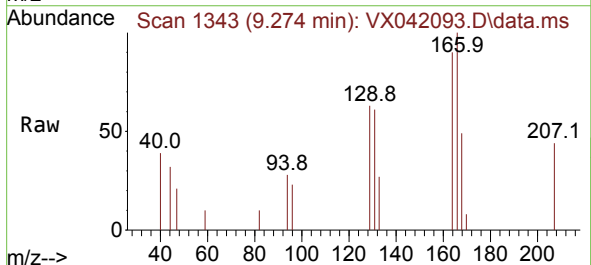
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-610-612

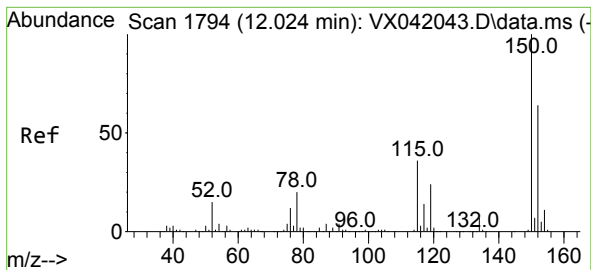
Tgt Ion:117 Resp: 237073
Ion Ratio Lower Upper
117 100
82 49.3 46.2 69.4
119 32.0 25.5 38.3



#64
Tetrachloroethene
Concen: 0.437 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX042093.D
Acq: 28 Jun 2024 18:12

Tgt Ion:164 Resp: 754
Ion Ratio Lower Upper
164 100
166 111.6 102.7 154.1
129 70.6 80.4 120.6#
131 67.7 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: VX042093.D

Acq: 28 Jun 2024 18:12

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-189-GW-610-612

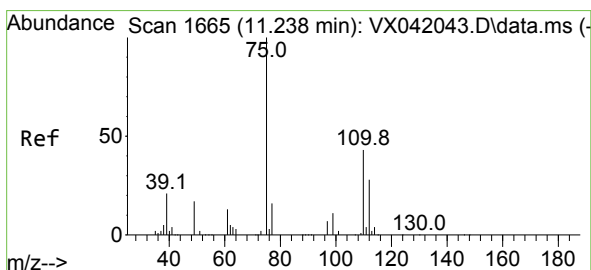
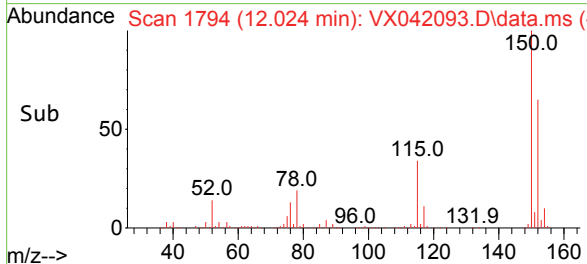
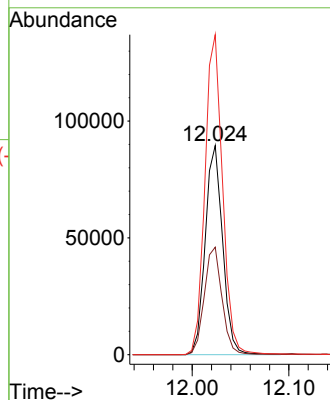
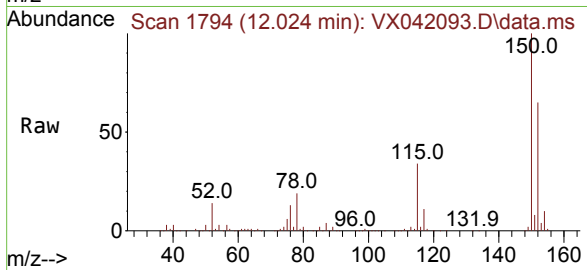
Tgt Ion:152 Resp: 112631

Ion Ratio Lower Upper

152 100

115 52.5 43.3 129.9

150 155.1 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 24.230 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX042093.D

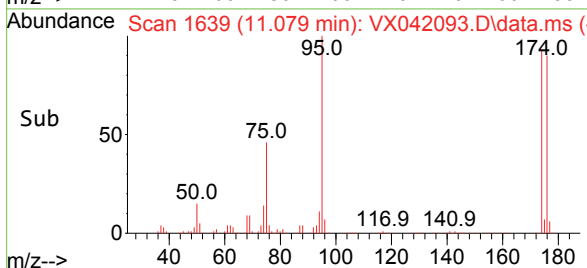
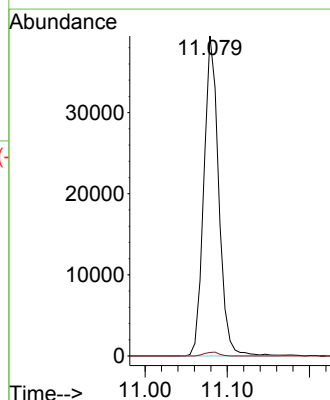
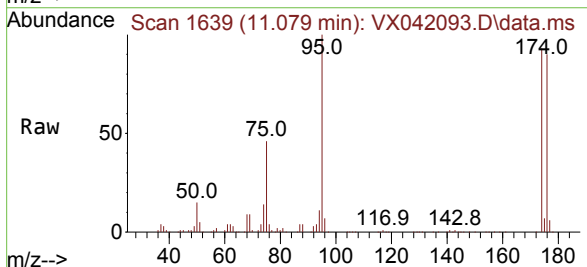
Acq: 28 Jun 2024 18:12

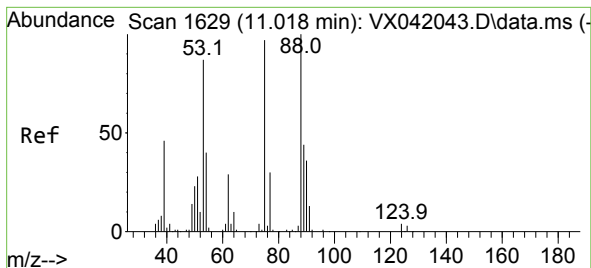
Tgt Ion: 75 Resp: 49543

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#

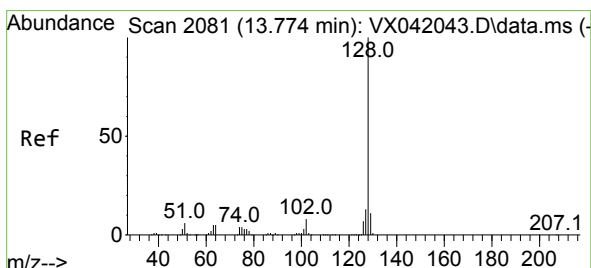
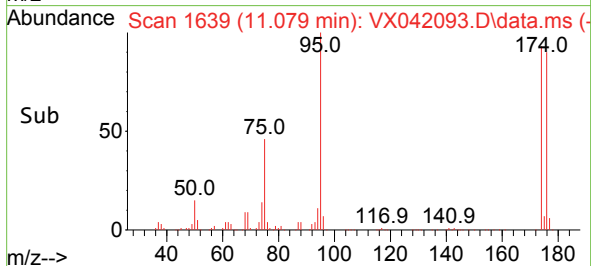
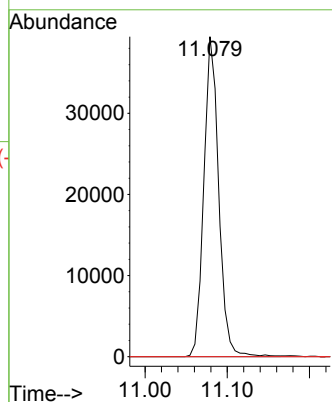
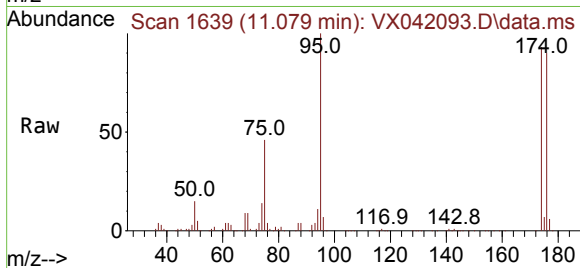




#81
trans-1,4-Dichloro-2-butene
Concen: 68.811 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX042093.D
Acq: 28 Jun 2024 18:12

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-610-612

Tgt Ion: 75 Resp: 49543
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 0.809 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.012 min
Lab File: VX042093.D
Acq: 28 Jun 2024 18:12

Tgt Ion: 128 Resp: 499
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

