

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062824\
 Data File : VX042092.D
 Acq On : 28 Jun 2024 17:48
 Operator : JC/MD
 Sample : P3127-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VPB196-HYD-20240624

Quant Time: Jun 29 04:22:57 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)

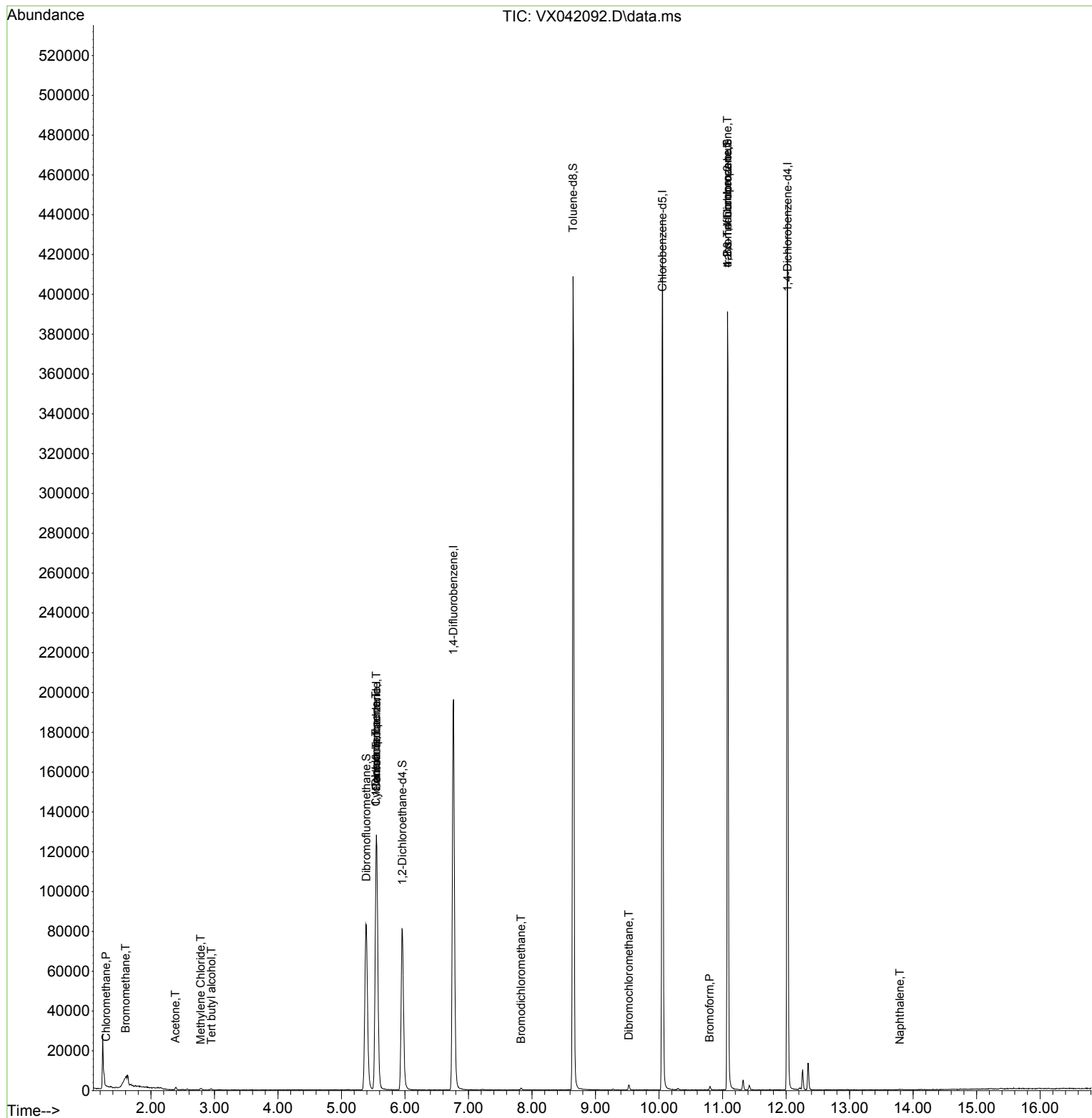
Internal Standards						
1) Pentafluorobenzene	5.550	168	144628	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	221565	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	218723	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	108922	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	76079	45.618	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.240%
35) Dibromofluoromethane	5.391	113	74845	47.608	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.220%
50) Toluene-d8	8.647	98	255081	46.186	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.380%
62) 4-Bromofluorobenzene	11.079	95	103282	50.731	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.460%
Target Compounds						
						Qvalue
3) Chloromethane	1.294	50	344	0.249	ug/l	# 43
5) Bromomethane	1.599	94	237	0.346	ug/l	96
6) Chloroethane	1.672	64	245	Below Cal	#	43
11) Tert butyl alcohol	2.953	59	313	0.989	ug/l	# 78
16) Acetone	2.386	43	1405	1.919	ug/l	100
20) Methylene Chloride	2.782	84	575	0.359	ug/l	# 84
31) Cyclohexane	5.544	56	1907	0.978	ug/l	# 1
36) 1,1-Dichloropropene	5.544	75	8162	4.889	ug/l	# 50
38) Carbon Tetrachloride	5.550	117	12110	6.565	ug/l	# 16
47) Bromodichloromethane	7.830	83	795	0.429	ug/l	# 66
60) Dibromochloromethane	9.525	129	1461	0.901	ug/l	95
71) Bromoform	10.799	173	941	1.503	ug/l	# 98
76) 1,2,3-Trichloropropane	11.079	75	46793	23.664	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	46793	67.204	ug/l	# 5
95) Naphthalene	13.792	128	436	0.803	ug/l	# 69

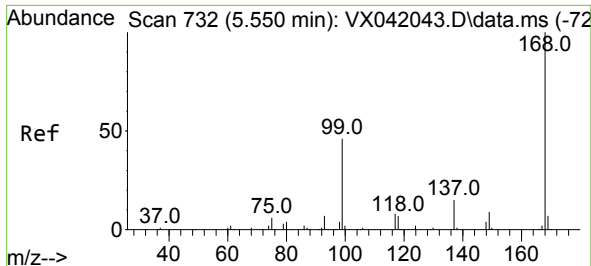
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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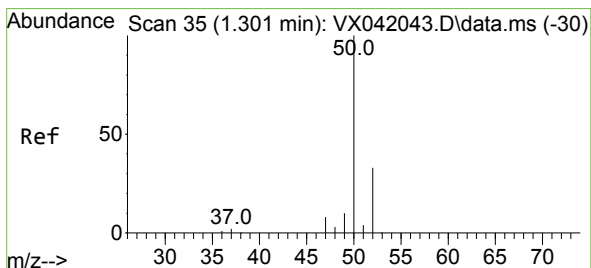
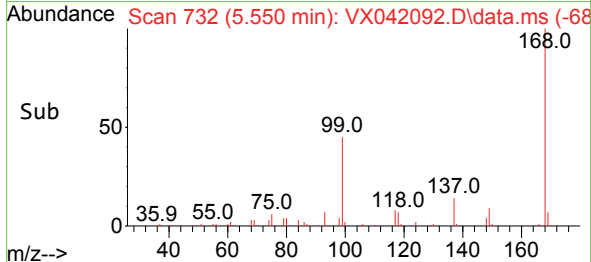
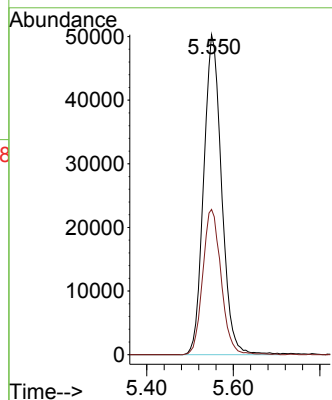
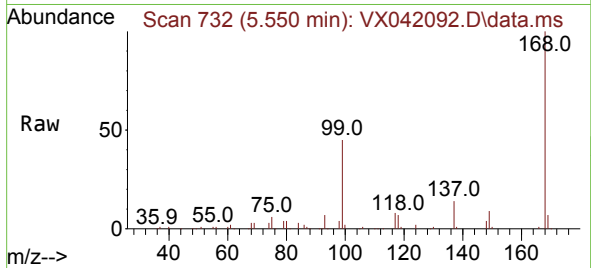




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX042092.D
Acq: 28 Jun 2024 17:48

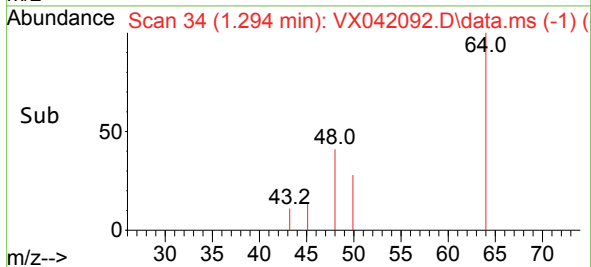
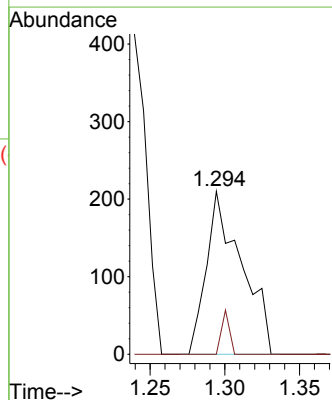
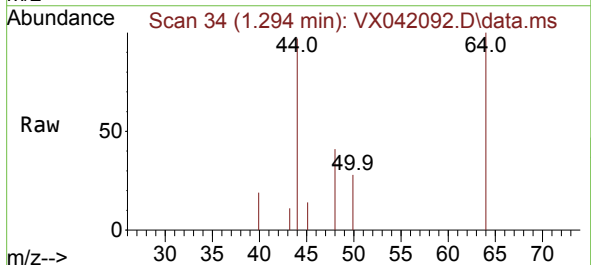
Instrument :
MSVOA_X
ClientSampleId :
VPB196-HYD-20240624

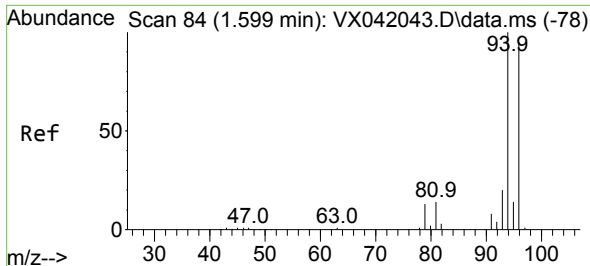
Tgt Ion:168 Resp: 144628
Ion Ratio Lower Upper
168 100
99 45.4 56.6 85.0#



#3
Chloromethane
Concen: 0.249 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.012 min
Lab File: VX042092.D
Acq: 28 Jun 2024 17:48

Tgt Ion: 50 Resp: 344
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

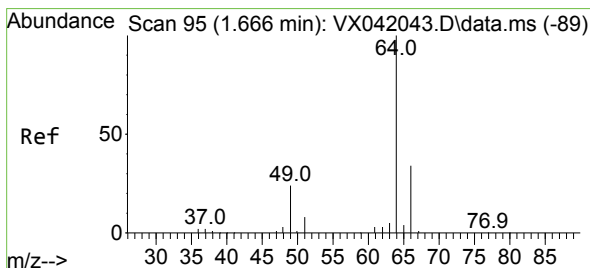
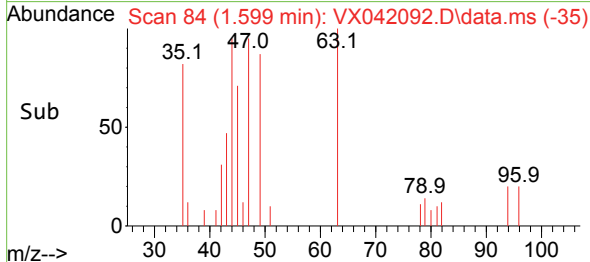
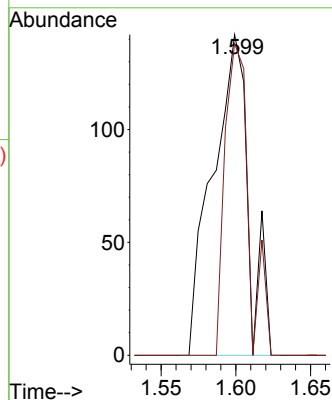
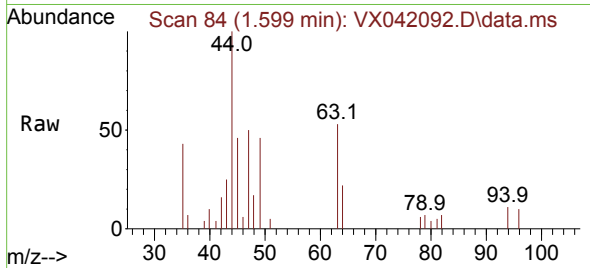




#5
Bromomethane
Concen: 0.346 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX042092.D
Acq: 28 Jun 2024 17:48

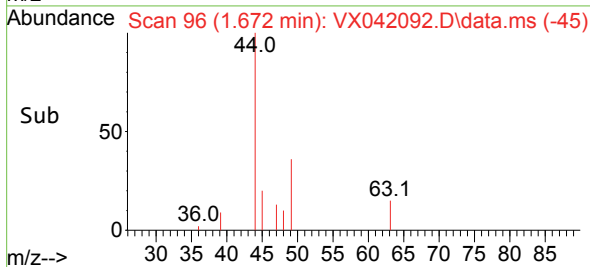
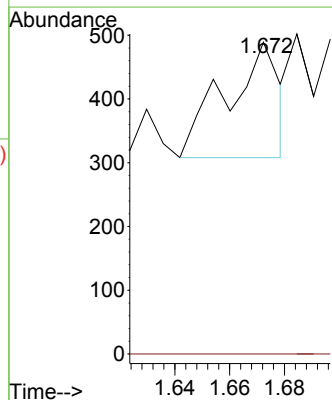
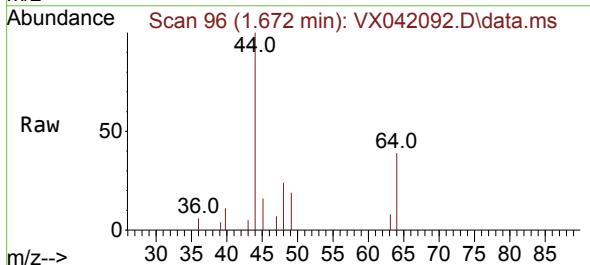
Instrument :
MSVOA_X
ClientSampleId :
VPB196-HYD-20240624

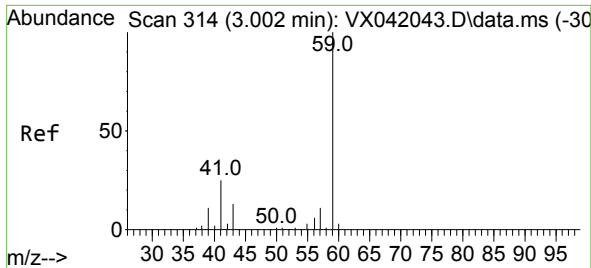
Tgt Ion: 94 Resp: 237
Ion Ratio Lower Upper
94 100
96 97.2 74.6 111.8



#6
Chloroethane
Concen: Below Cal
RT: 1.672 min Scan# 96
Delta R.T. 0.012 min
Lab File: VX042092.D
Acq: 28 Jun 2024 17:48

Tgt Ion: 64 Resp: 245
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

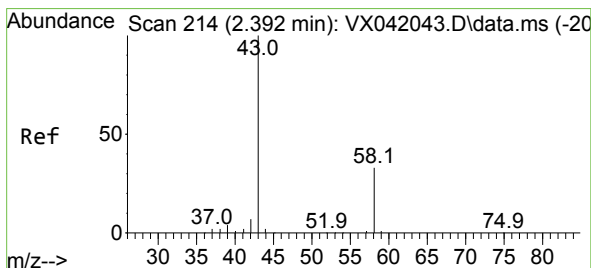
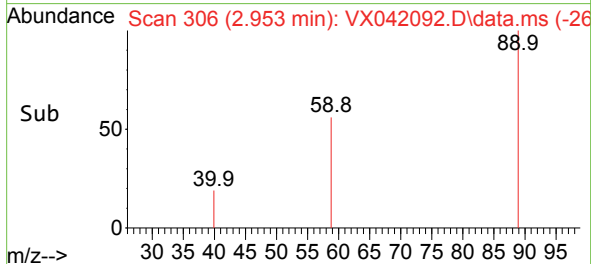
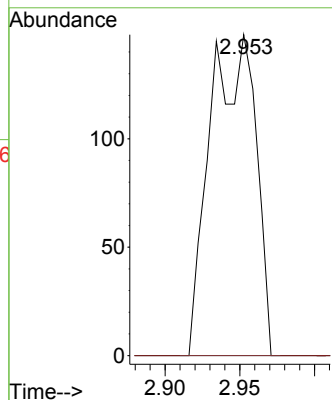
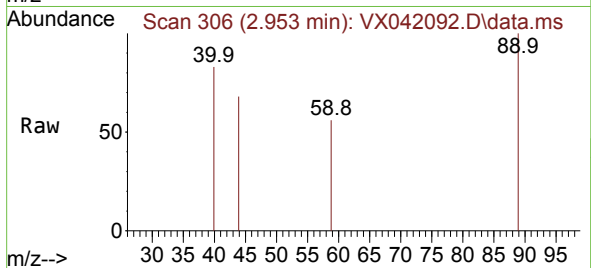




#11
Tert butyl alcohol
Concen: 0.989 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.055 min
Lab File: VX042092.D
Acq: 28 Jun 2024 17:48

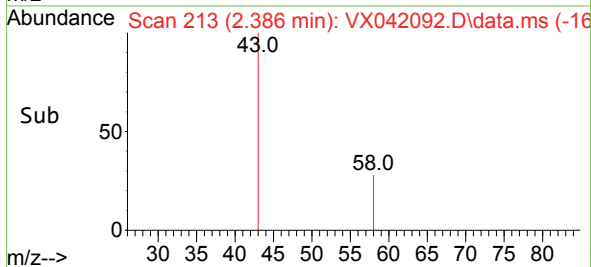
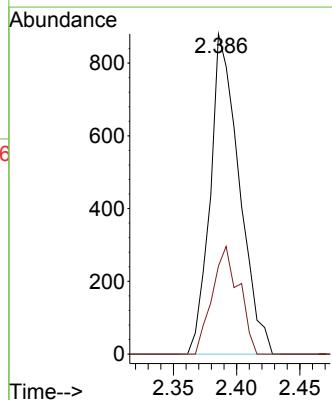
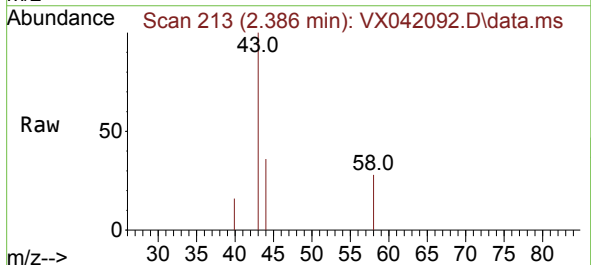
Instrument :
MSVOA_X
ClientSampleId :
VPB196-HYD-20240624

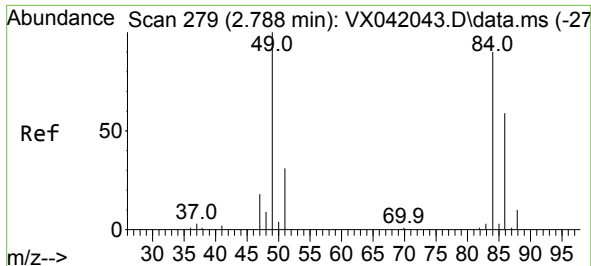
Tgt Ion: 59 Resp: 313
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#16
Acetone
Concen: 1.919 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.012 min
Lab File: VX042092.D
Acq: 28 Jun 2024 17:48

Tgt Ion: 43 Resp: 1405
Ion Ratio Lower Upper
43 100
58 27.5 21.9 32.9





#20

Methylene Chloride

Concen: 0.359 ug/l

RT: 2.782 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX042092.D

Acq: 28 Jun 2024 17:48

Instrument :

MSVOA_X

ClientSampleId :

VPB196-HYD-20240624

Tgt Ion: 84 Resp: 575

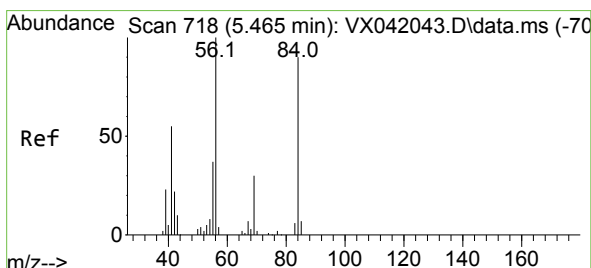
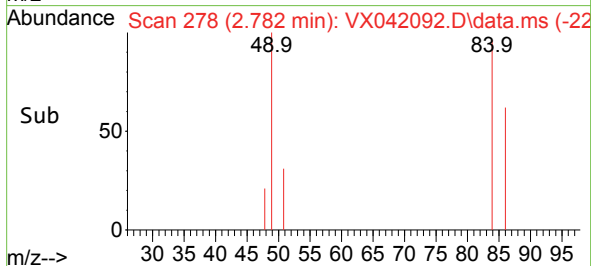
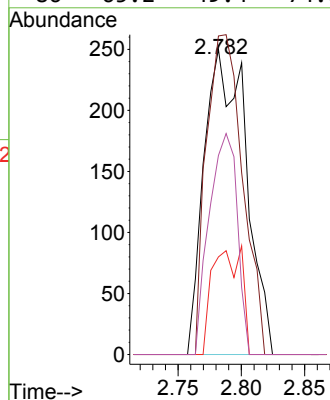
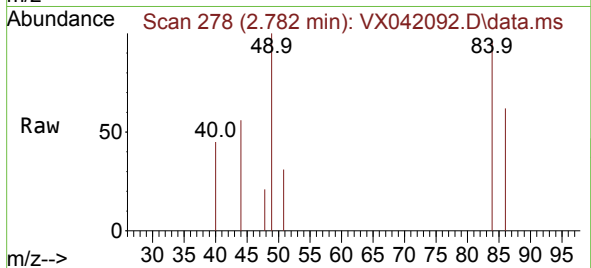
Ion Ratio Lower Upper

84 100

49 104.4 103.6 155.4

51 32.0 33.8 50.6#

86 65.2 49.4 74.0



#31

Cyclohexane

Concen: 0.978 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX042092.D

Acq: 28 Jun 2024 17:48

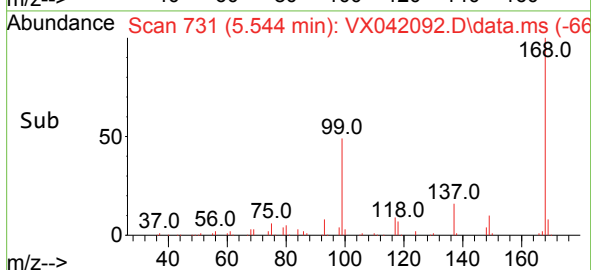
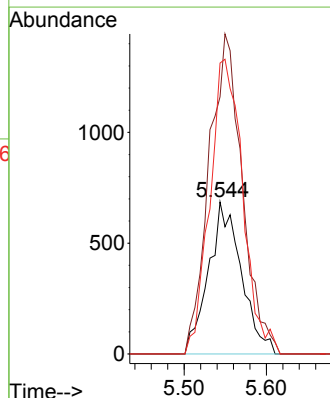
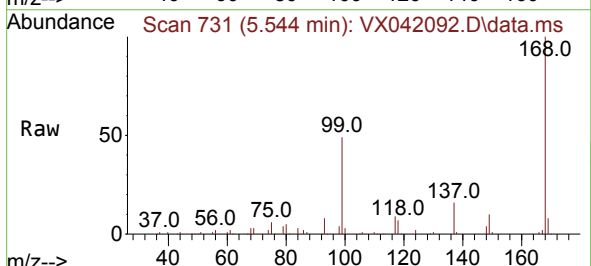
Tgt Ion: 56 Resp: 1907

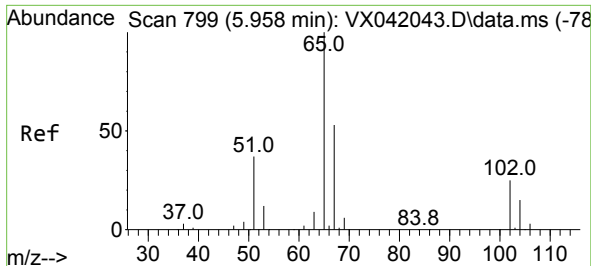
Ion Ratio Lower Upper

56 100

69 169.1 23.4 35.2#

84 191.4 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 45.618 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX042092.D

Acq: 28 Jun 2024 17:48

Instrument :

MSVOA_X

ClientSampleId :

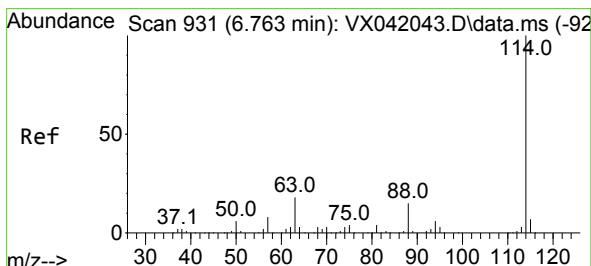
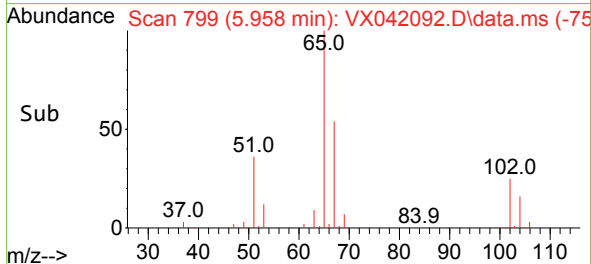
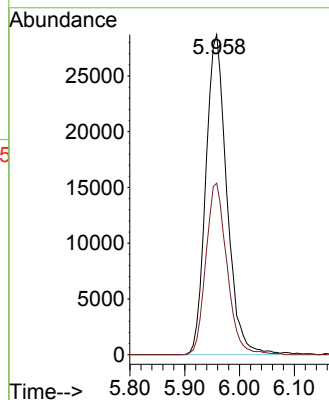
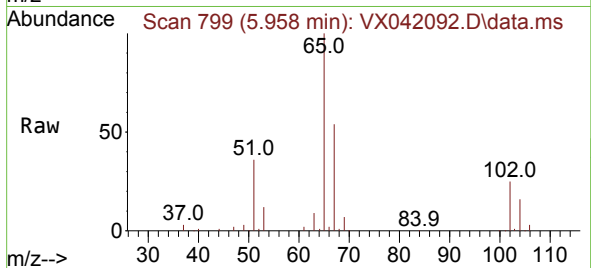
VPB196-HYD-20240624

Tgt Ion: 65 Resp: 76079

Ion Ratio Lower Upper

65 100

67 54.0 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: VX042092.D

Acq: 28 Jun 2024 17:48

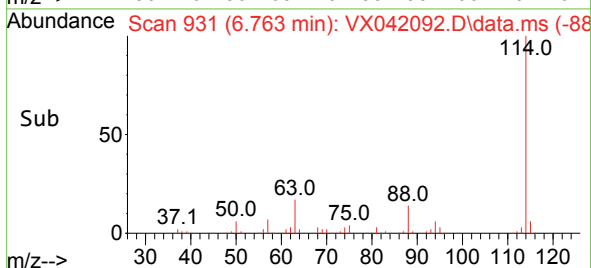
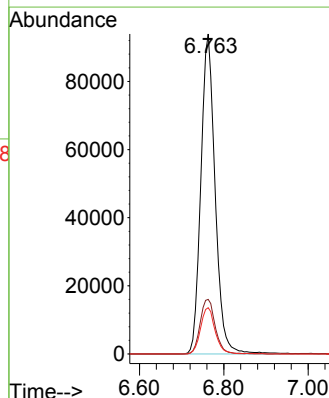
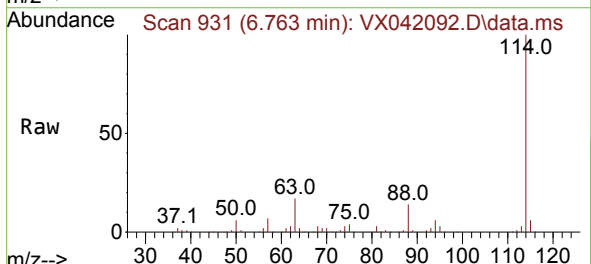
Tgt Ion:114 Resp: 221565

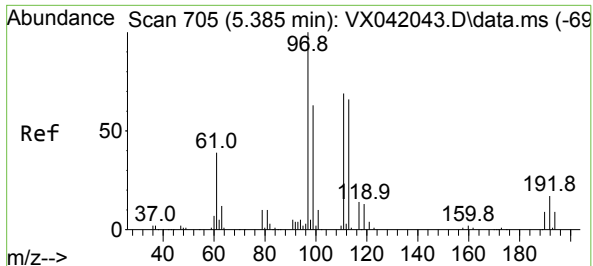
Ion Ratio Lower Upper

114 100

63 17.1 0.0 45.0

88 14.5 0.0 36.6





#35

Dibromofluoromethane

Concen: 47.608 ug/l

RT: 5.391 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX042092.D

Acq: 28 Jun 2024 17:48

Instrument :

MSVOA_X

ClientSampleId :

VPB196-HYD-20240624

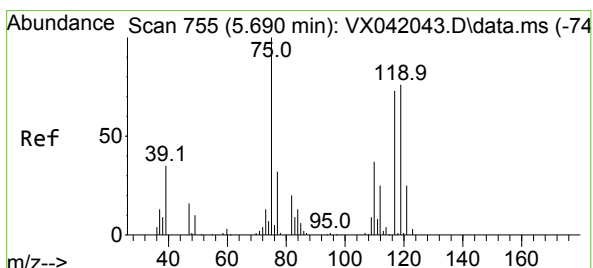
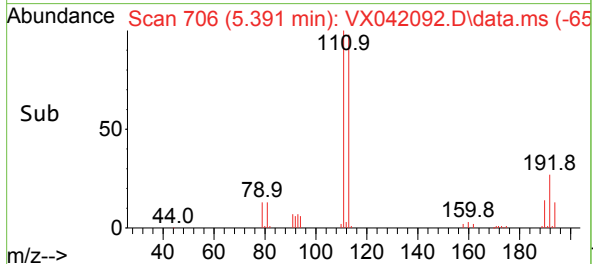
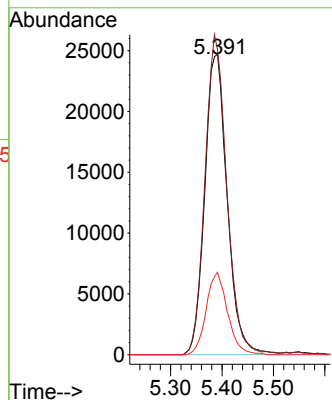
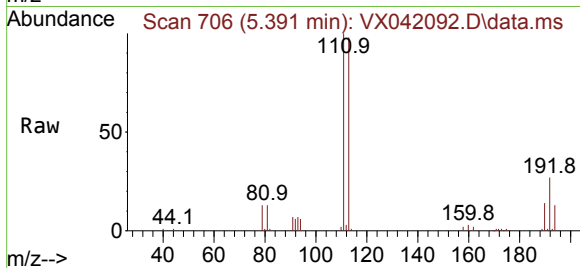
Tgt Ion:113 Resp: 74845

Ion Ratio Lower Upper

113 100

111 103.9 82.9 124.3

192 26.1 13.3 19.9#



#36

1,1-Dichloropropene

Concen: 4.889 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.146 min

Lab File: VX042092.D

Acq: 28 Jun 2024 17:48

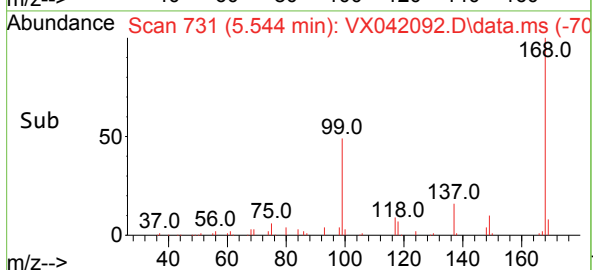
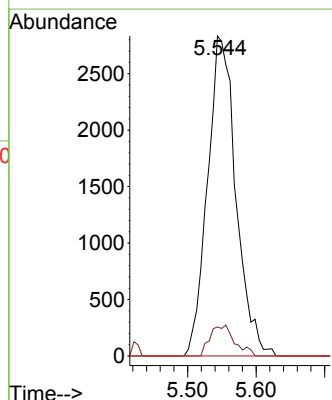
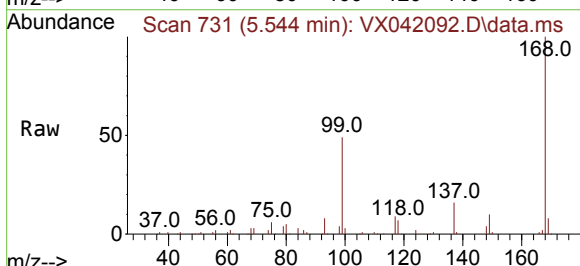
Tgt Ion: 75 Resp: 8162

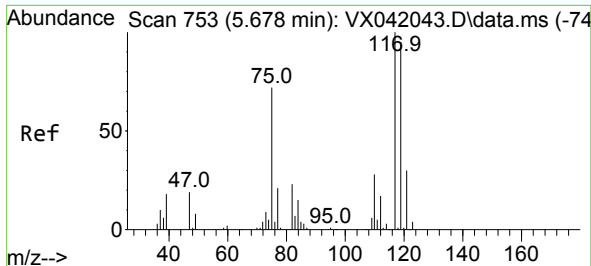
Ion Ratio Lower Upper

75 100

110 8.3 17.0 50.9#

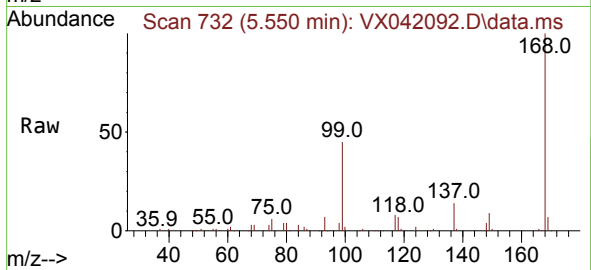
77 0.0 24.7 37.1#



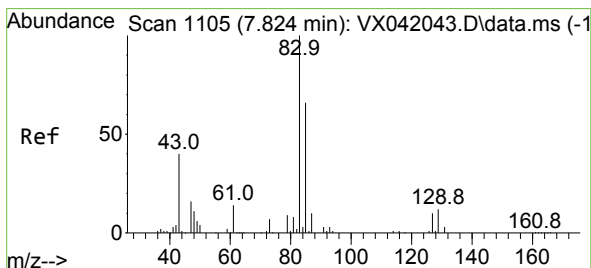
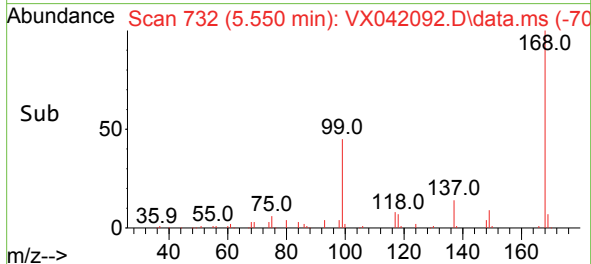
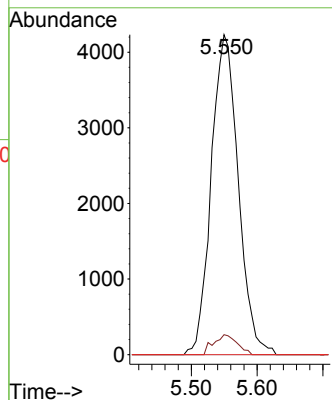


#38
Carbon Tetrachloride
Concen: 6.565 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX042092.D
Acq: 28 Jun 2024 17:48

Instrument :
MSVOA_X
ClientSampleId :
VPB196-HYD-20240624

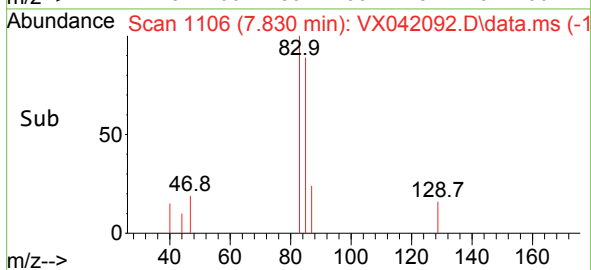
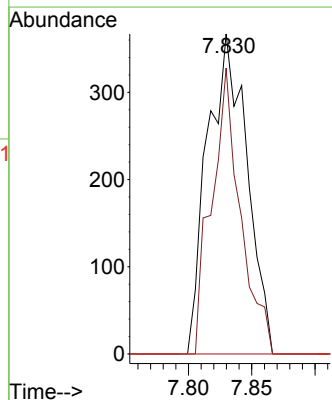
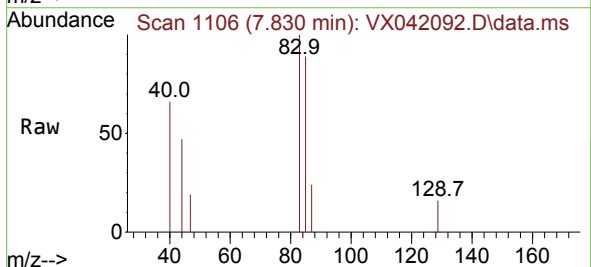


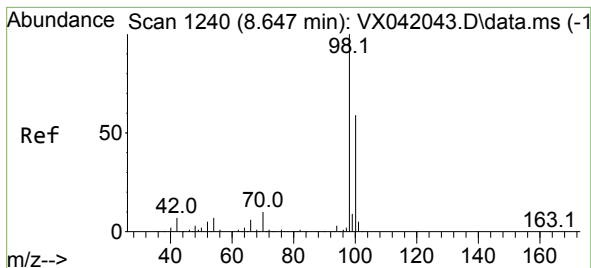
Tgt Ion:117 Resp: 12110
Ion Ratio Lower Upper
117 100
119 6.2 78.2 117.2#
121 0.0 24.4 36.6#



#47
Bromodichloromethane
Concen: 0.429 ug/l
RT: 7.830 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VX042092.D
Acq: 28 Jun 2024 17:48

Tgt Ion: 83 Resp: 795
Ion Ratio Lower Upper
83 100
85 89.4 49.8 74.6#
127 0.0 7.1 10.7#





#50

Toluene-d8

Concen: 46.186 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX042092.D

Acq: 28 Jun 2024 17:48

Instrument :

MSVOA_X

ClientSampleId :

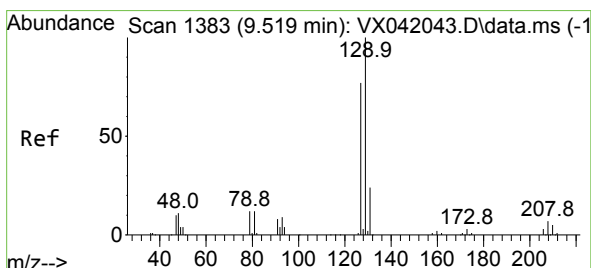
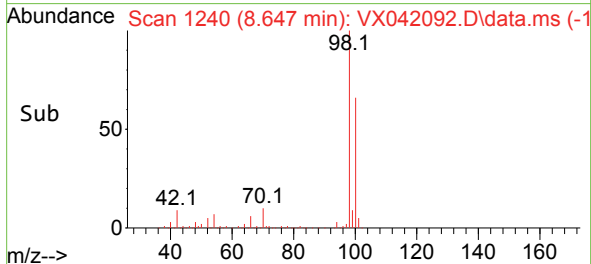
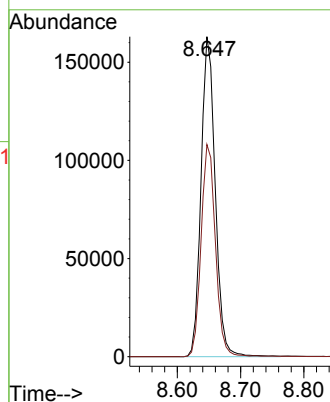
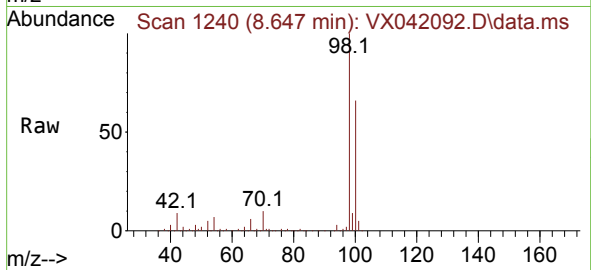
VPB196-HYD-20240624

Tgt Ion: 98 Resp: 255081

Ion Ratio Lower Upper

98 100

100 67.1 53.1 79.7



#60

Dibromochloromethane

Concen: 0.901 ug/l

RT: 9.525 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VX042092.D

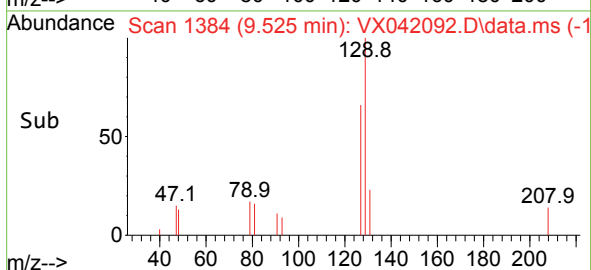
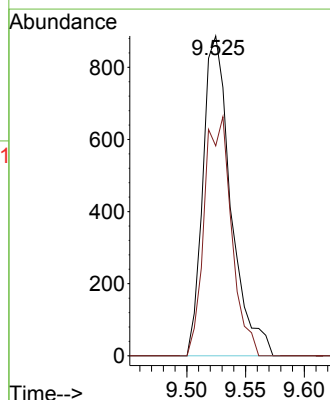
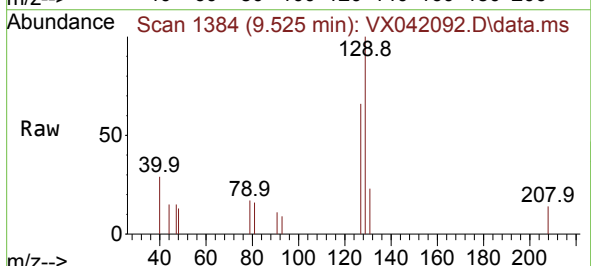
Acq: 28 Jun 2024 17:48

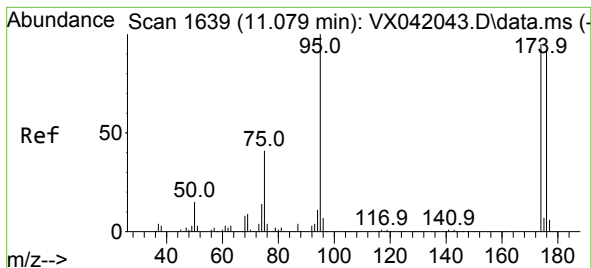
Tgt Ion: 129 Resp: 1461

Ion Ratio Lower Upper

129 100

127 72.9 38.8 116.4





#62

4-Bromofluorobenzene

Concen: 50.731 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX042092.D

Acq: 28 Jun 2024 17:48

Instrument :

MSVOA_X

ClientSampleId :

VPB196-HYD-20240624

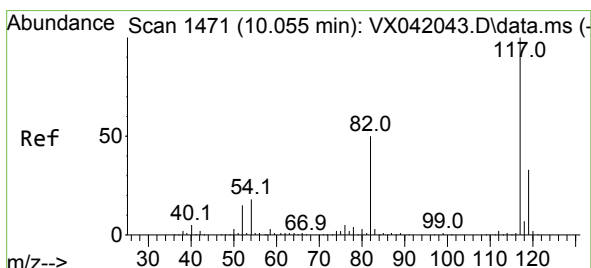
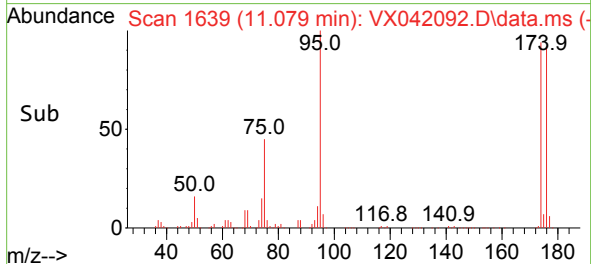
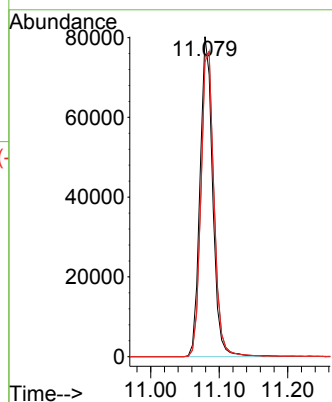
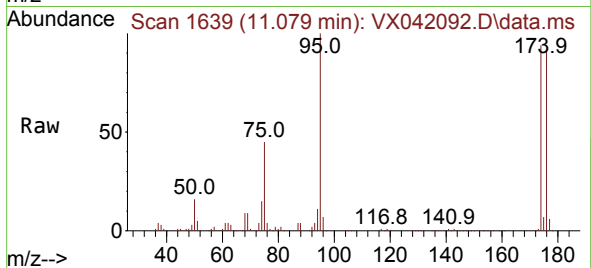
Tgt Ion: 95 Resp: 103282

Ion Ratio Lower Upper

95 100

174 99.7 0.0 135.6

176 98.3 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: VX042092.D

Acq: 28 Jun 2024 17:48

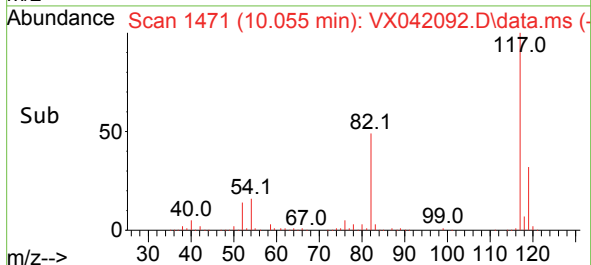
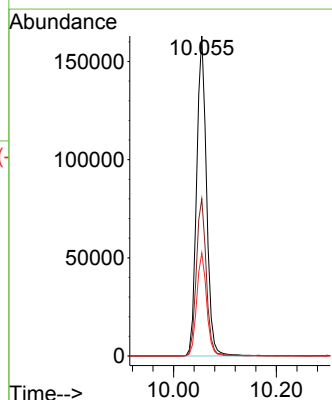
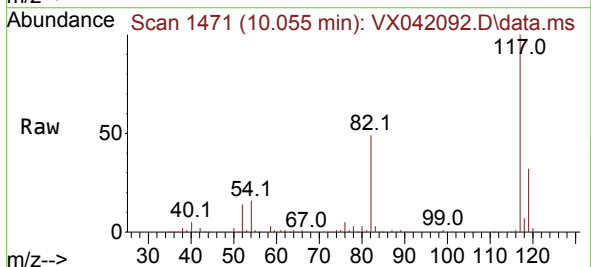
Tgt Ion: 117 Resp: 218723

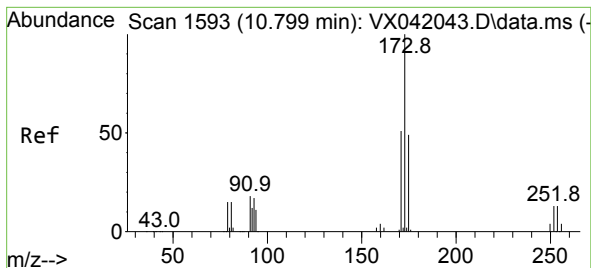
Ion Ratio Lower Upper

117 100

82 49.1 46.2 69.4

119 32.2 25.5 38.3





#71

Bromoform

Concen: 1.503 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX042092.D

Acq: 28 Jun 2024 17:48

Instrument :

MSVOA_X

ClientSampleId :

VPB196-HYD-20240624

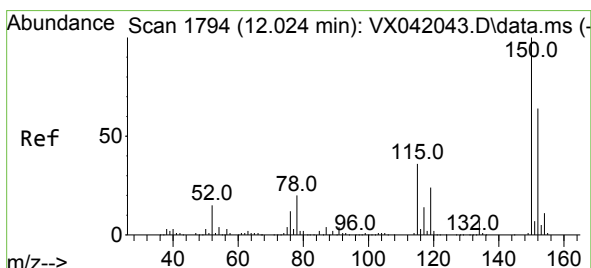
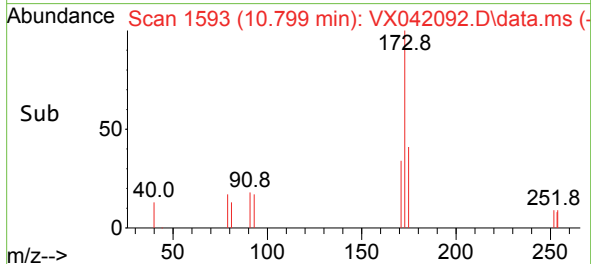
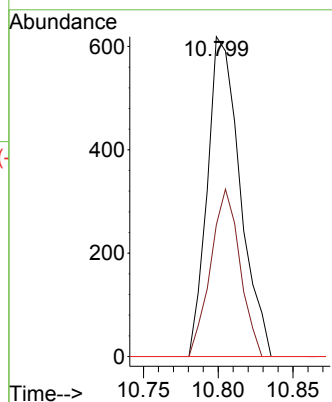
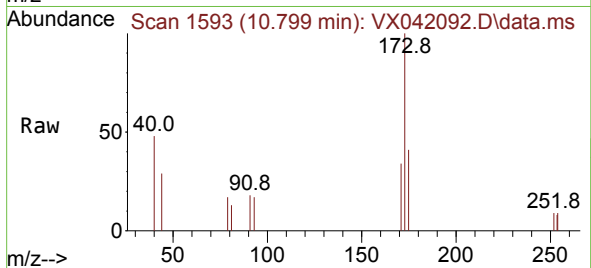
Tgt Ion:173 Resp: 941

Ion Ratio Lower Upper

173 100

175 46.9 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# 1794

Delta R.T. -0.000 min

Lab File: VX042092.D

Acq: 28 Jun 2024 17:48

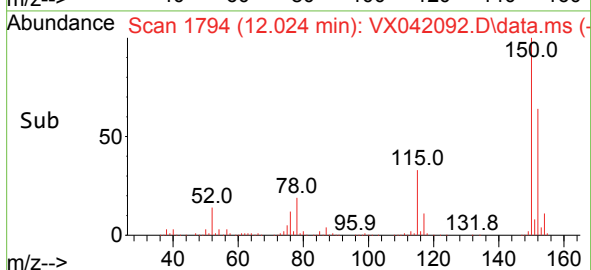
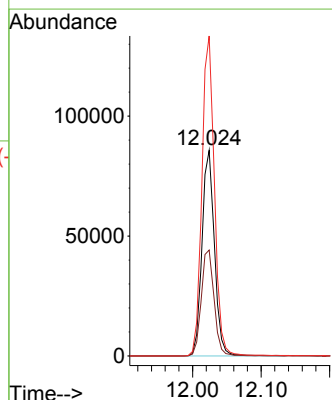
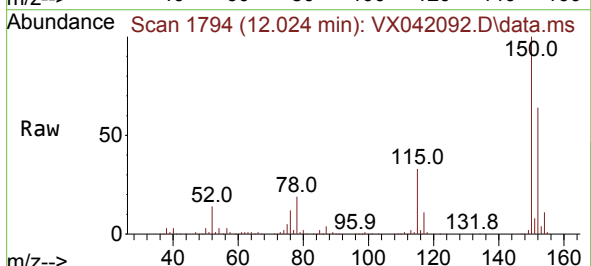
Tgt Ion:152 Resp: 108922

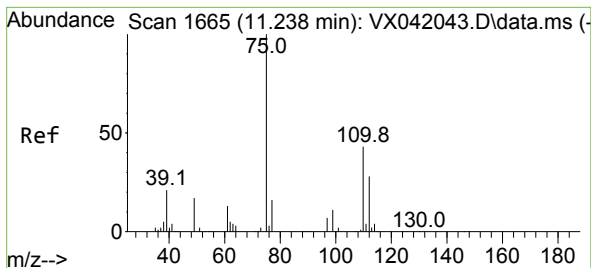
Ion Ratio Lower Upper

152 100

115 52.9 43.3 129.9

150 156.8 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 23.664 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX042092.D

Acq: 28 Jun 2024 17:48

Instrument :

MSVOA_X

ClientSampleId :

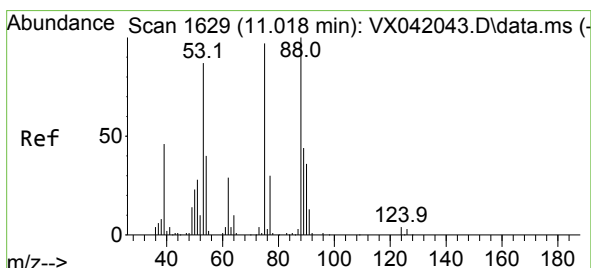
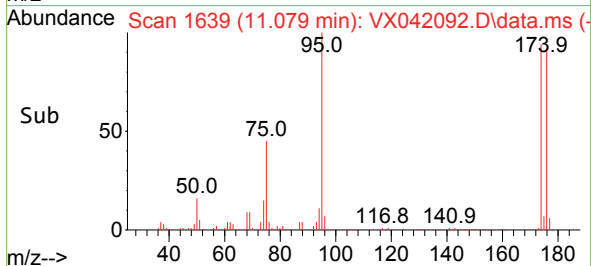
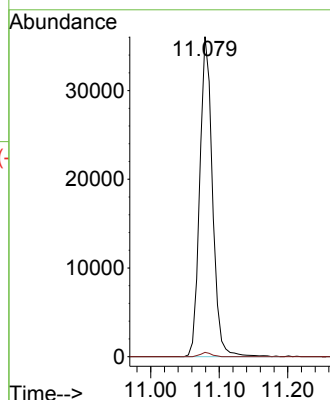
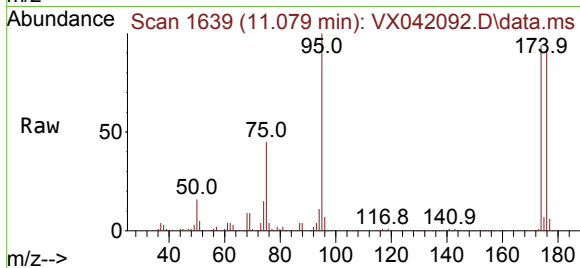
VPB196-HYD-20240624

Tgt Ion: 75 Resp: 46793

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.204 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX042092.D

Acq: 28 Jun 2024 17:48

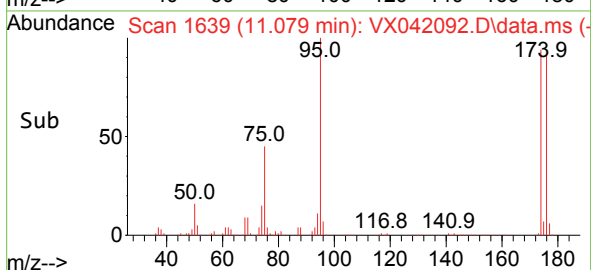
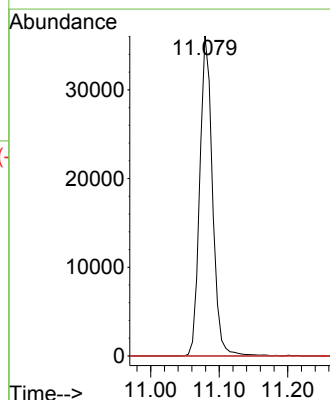
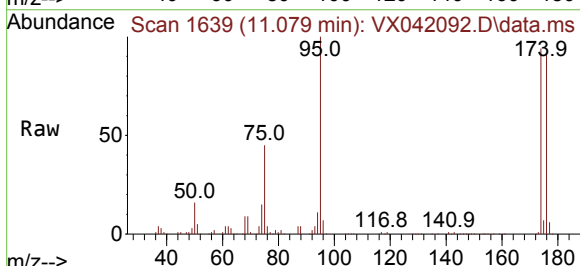
Tgt Ion: 75 Resp: 46793

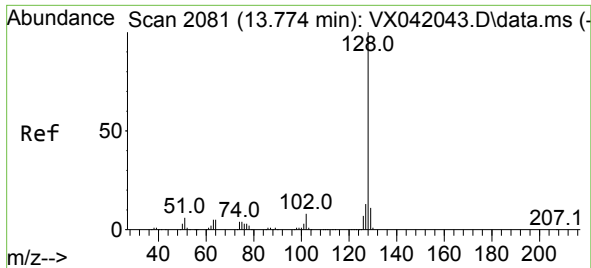
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#95

Naphthalene

Concen: 0.803 ug/l

RT: 13.792 min Scan# 20

Delta R.T. 0.018 min

Lab File: VX042092.D

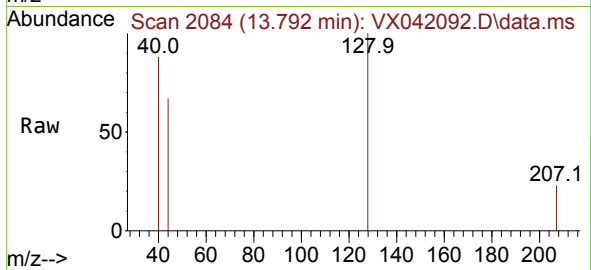
Acq: 28 Jun 2024 17:48

Instrument :

MSVOA_X

ClientSampleId :

VPB196-HYD-20240624



Tgt Ion:128 Resp: 436

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.8 13.2#

