

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061824\
 Data File : VX041929.D
 Acq On : 18 Jun 2024 17:35
 Operator : JC/MD
 Sample : P2927-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-189-DUP-20240614

Quant Time: Jun 19 08:48:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 19 07:57:22 2024
 Response via : Initial Calibration

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

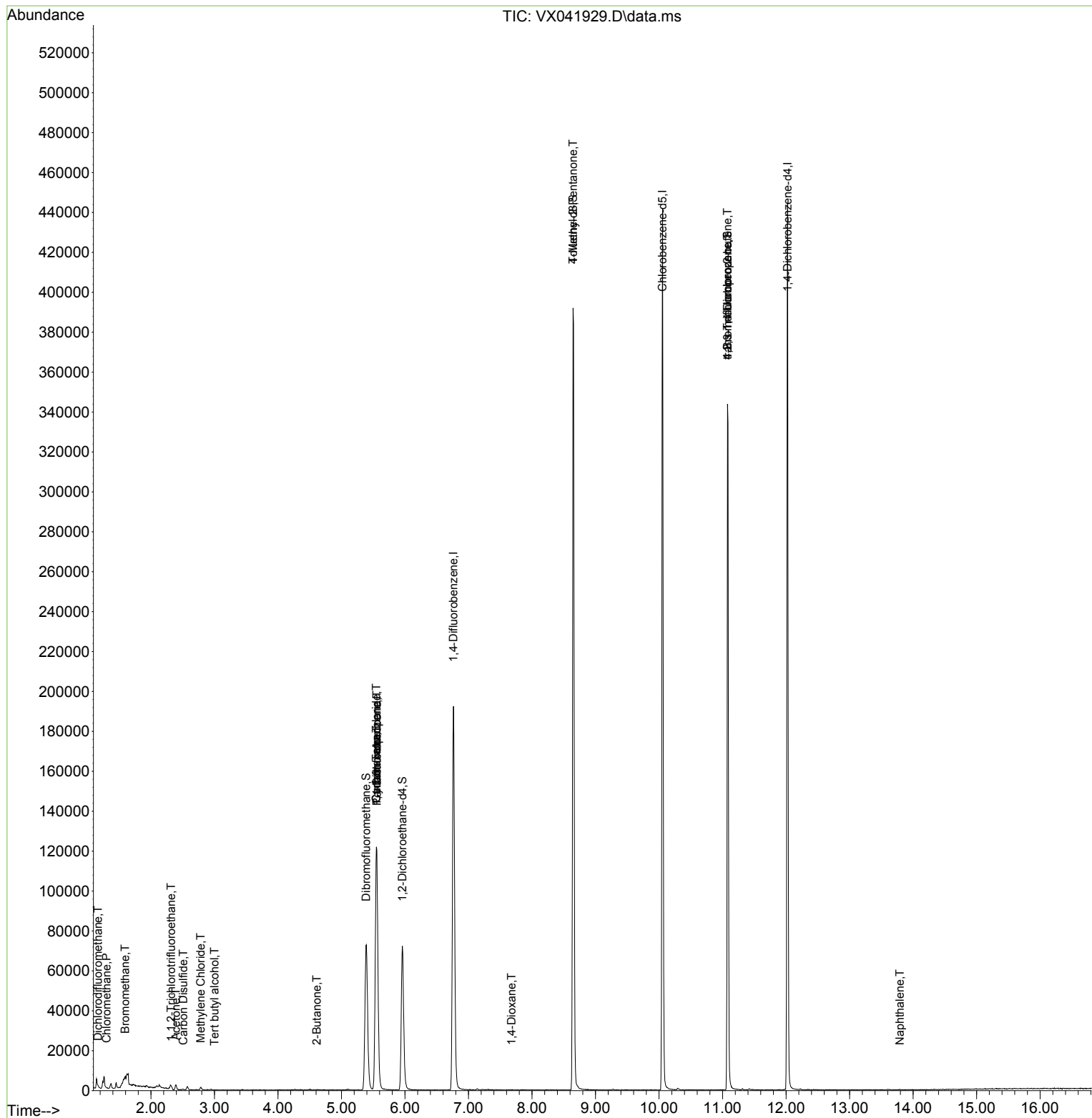
Internal Standards						
1) Pentafluorobenzene	5.556	168	137354	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	212041	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	212571	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	105913	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	68829	43.456	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	86.920%
35) Dibromofluoromethane	5.385	113	65836	43.758	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	87.520%
50) Toluene-d8	8.647	98	250148	47.327	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.660%
62) 4-Bromofluorobenzene	11.079	95	94128	48.311	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.620%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	437	0.418	ug/l	98
3) Chloromethane	1.301	50	322	0.245	ug/l	# 43
5) Bromomethane	1.593	94	167	0.257	ug/l	# 37
6) Chloroethane	1.630	64	91	Below Cal	#	43
9) 1,1,2-Trichlorotrifluo...	2.319	101	771	0.649	ug/l	93
11) Tert butyl alcohol	3.001	59	103	0.343	ug/l	# 78
16) Acetone	2.392	43	2895	4.163	ug/l	91
17) Carbon Disulfide	2.508	76	511	0.212	ug/l	# 76
20) Methylene Chloride	2.782	84	733	0.481	ug/l	# 85
25) 2-Butanone	4.611	43	260	0.240	ug/l	# 51
31) Cyclohexane	5.550	56	2051	1.107	ug/l	# 1
36) 1,1-Dichloropropene	5.556	75	7866	4.923	ug/l	# 52
38) Carbon Tetrachloride	5.550	117	11450	6.486	ug/l	# 14
49) 1,4-Dioxane	7.677	88	42	20.952	ug/l	# 12
51) 4-Methyl-2-Pentanone	8.647	43	911	0.414	ug/l	# 1
76) 1,2,3-Trichloropropane	11.079	75	42900	22.312	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	42900	63.364	ug/l	# 5
95) Naphthalene	13.792	128	271	0.783	ug/l	# 69

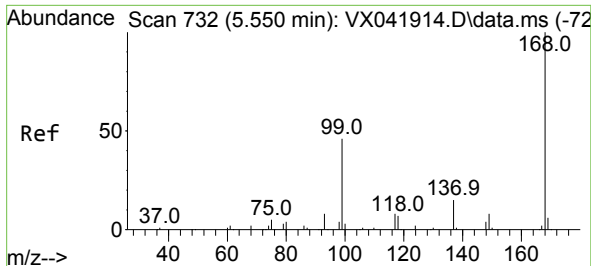
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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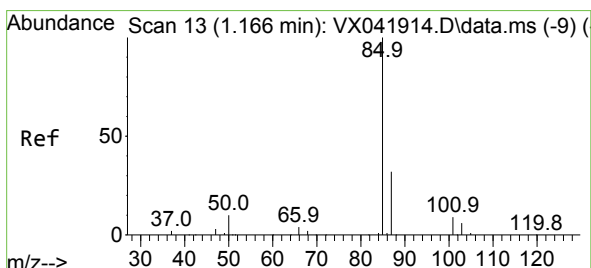
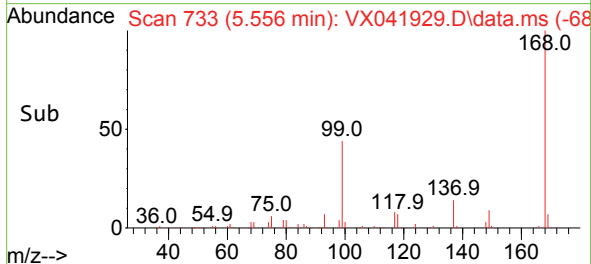
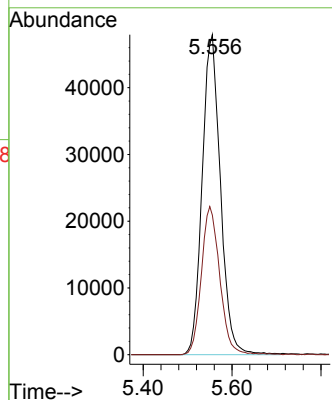
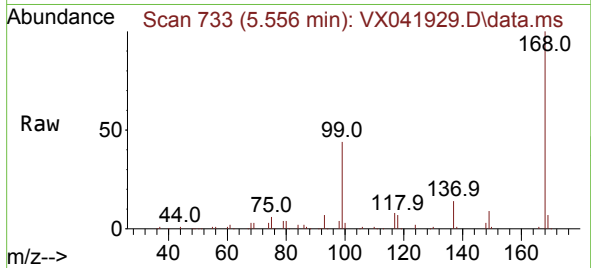




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX041929.D
Acq: 18 Jun 2024 17:35

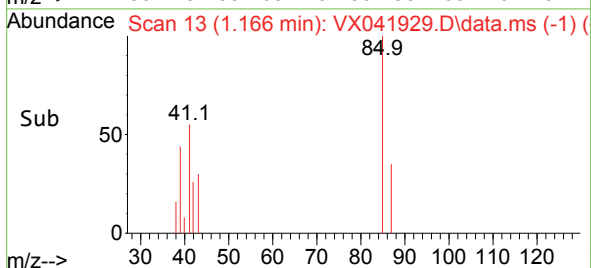
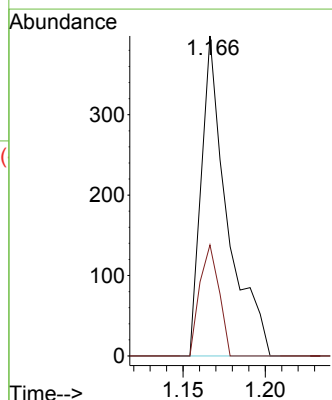
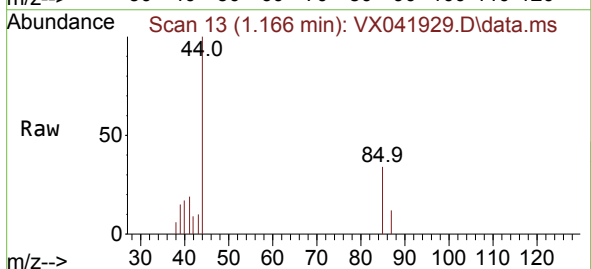
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-DUP-20240614

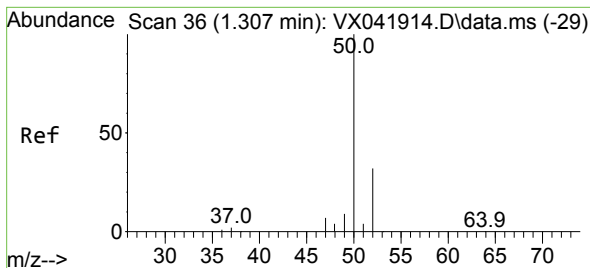
Tgt Ion:168 Resp: 137354
Ion Ratio Lower Upper
168 100
99 43.6 56.6 85.0#



#2
Dichlorodifluoromethane
Concen: 0.418 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX041929.D
Acq: 18 Jun 2024 17:35

Tgt Ion: 85 Resp: 437
Ion Ratio Lower Upper
85 100
87 34.7 16.7 50.1





#3

Chloromethane

Concen: 0.245 ug/l

RT: 1.301 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX041929.D

Acq: 18 Jun 2024 17:35

Instrument :

MSVOA_X

ClientSampleId :

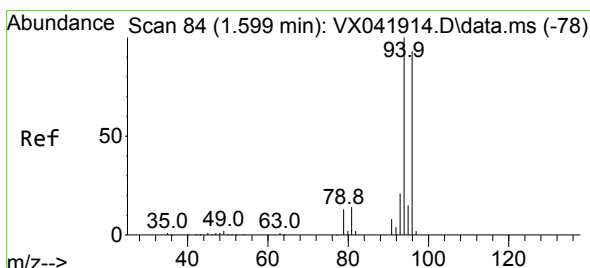
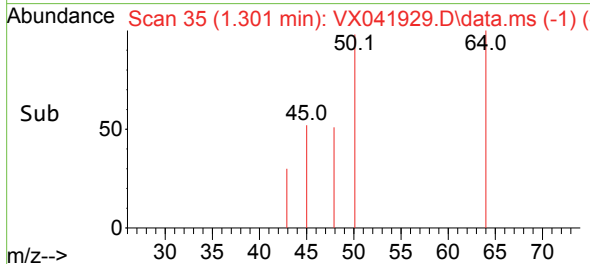
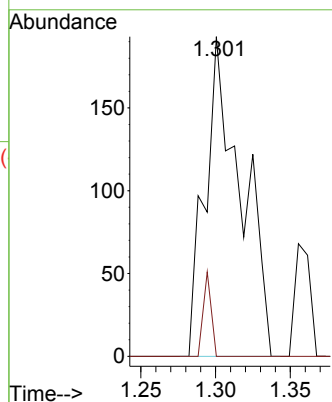
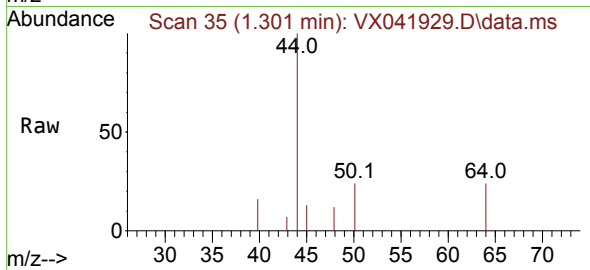
BP-VPB-189-DUP-20240614

Tgt Ion: 50 Resp: 322

Ion Ratio Lower Upper

50 100

52 0.0 25.5 38.3#



#5

Bromomethane

Concen: 0.257 ug/l

RT: 1.593 min Scan# 83

Delta R.T. -0.006 min

Lab File: VX041929.D

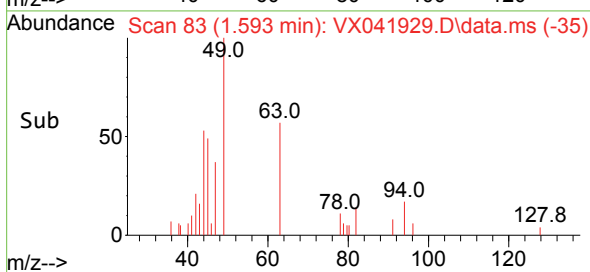
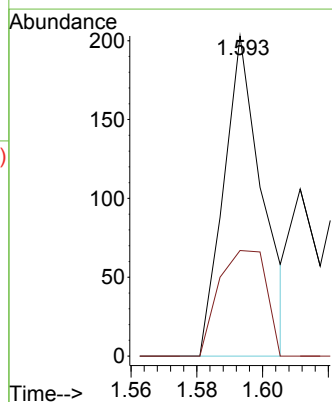
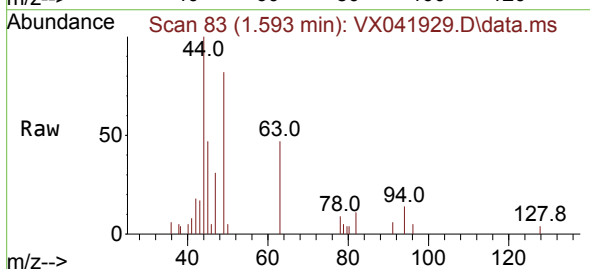
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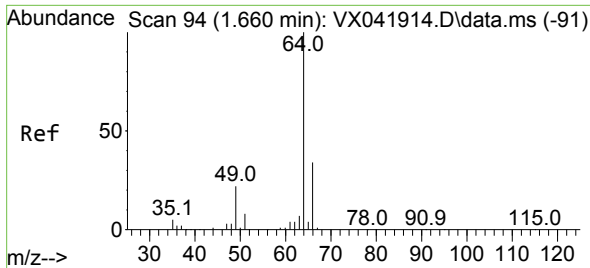
Tgt Ion: 94 Resp: 167

Ion Ratio Lower Upper

94 100

96 33.0 74.6 111.8#

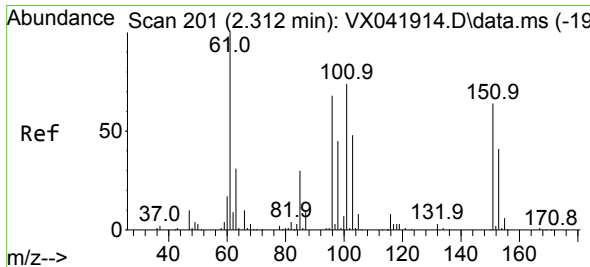
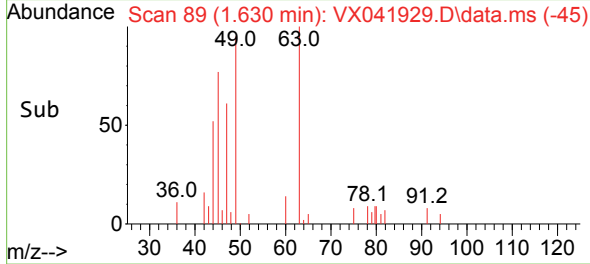
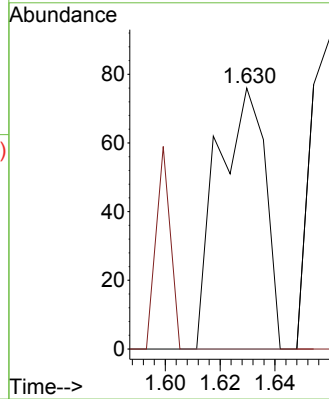
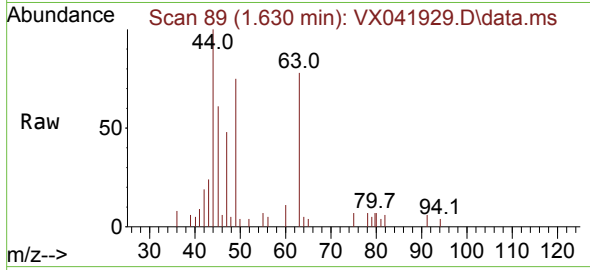




#6
Chloroethane
Concen: Below Cal
RT: 1.630 min Scan# 89
Delta R.T. -0.030 min
Lab File: VX041929.D
Acq: 18 Jun 2024 17:35

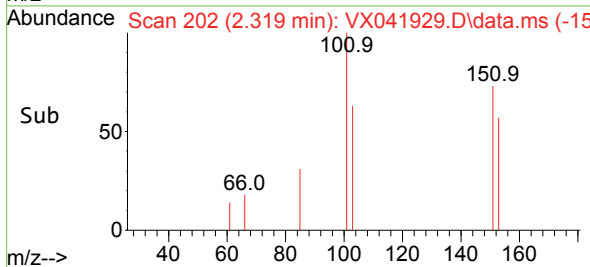
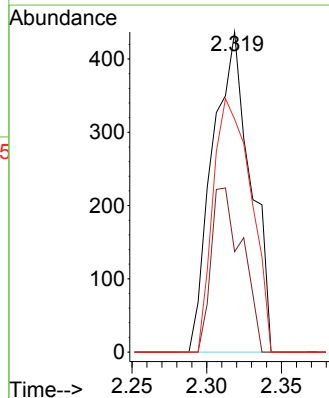
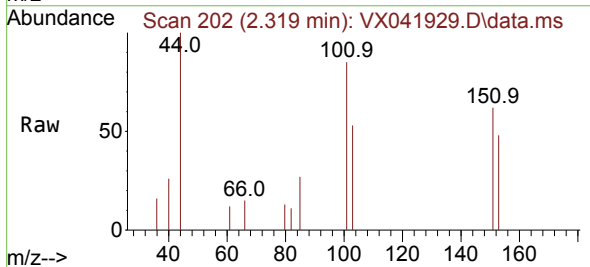
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-DUP-20240614

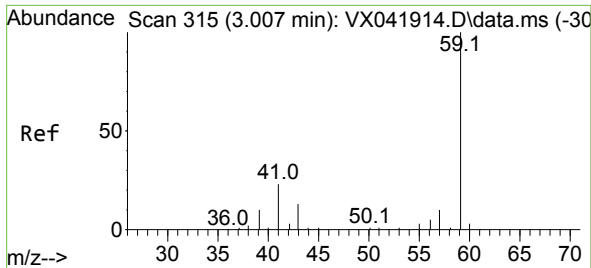
Tgt Ion: 64 Resp: 91
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.649 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX041929.D
Acq: 18 Jun 2024 17:35

Tgt Ion: 101 Resp: 771
Ion Ratio Lower Upper
101 100
85 41.9 37.0 55.6
151 79.0 58.6 87.8

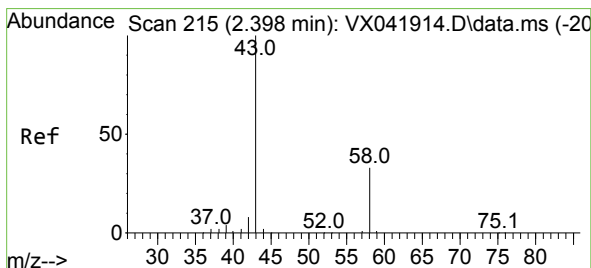
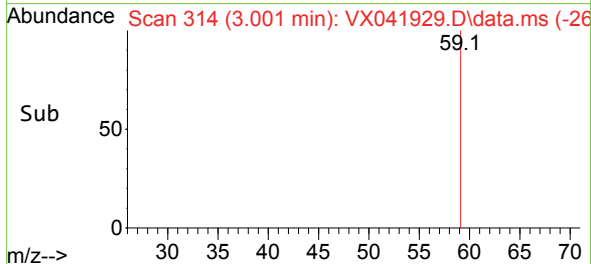
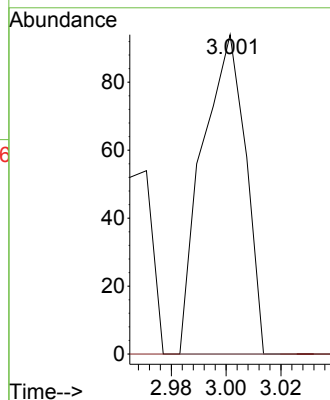
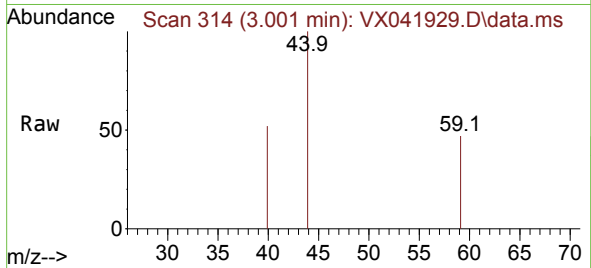




#11
Tert butyl alcohol
Concen: 0.343 ug/l
RT: 3.001 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX041929.D
Acq: 18 Jun 2024 17:35

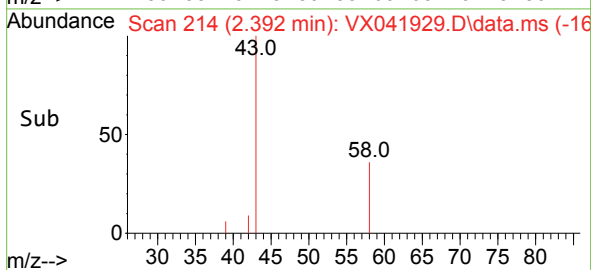
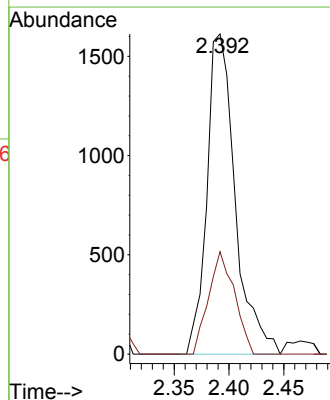
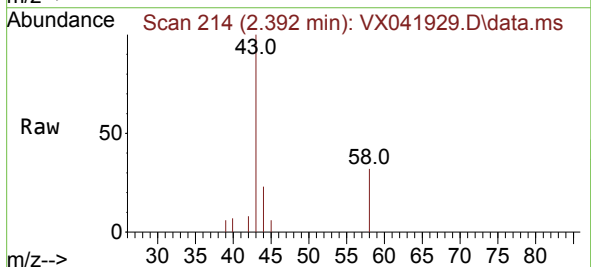
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-DUP-20240614

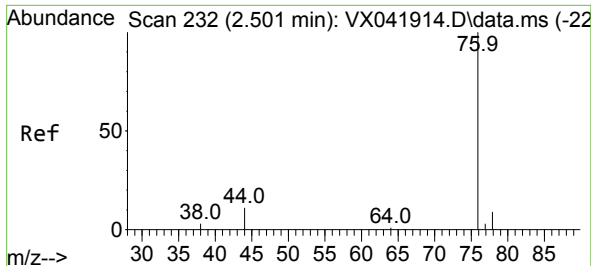
Tgt Ion: 59 Resp: 103
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#16
Acetone
Concen: 4.163 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX041929.D
Acq: 18 Jun 2024 17:35

Tgt Ion: 43 Resp: 2895
Ion Ratio Lower Upper
43 100
58 32.0 21.9 32.9





#17

Carbon Disulfide

Concen: 0.212 ug/l

RT: 2.508 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX041929.D

Acq: 18 Jun 2024 17:35

Instrument :

MSVOA_X

ClientSampleId :

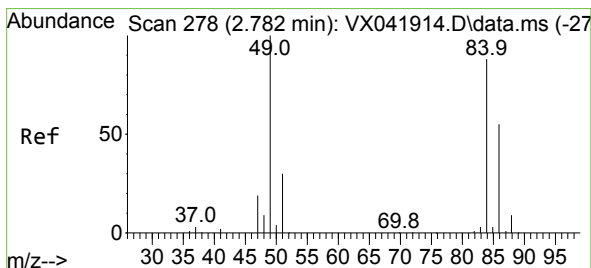
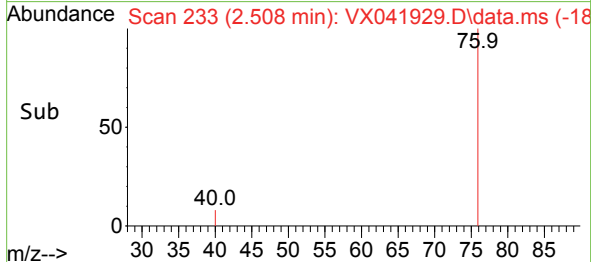
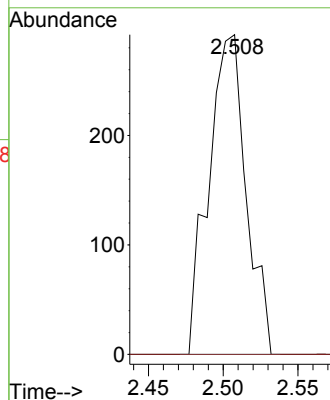
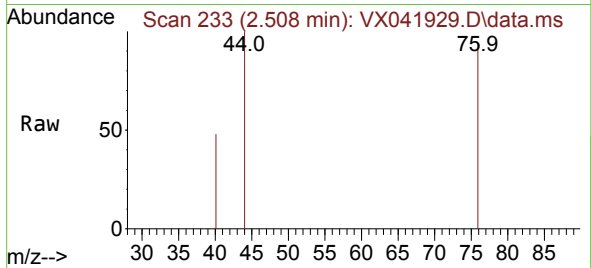
BP-VPB-189-DUP-20240614

Tgt Ion: 76 Resp: 511

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



#20

Methylene Chloride

Concen: 0.481 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX041929.D

Acq: 18 Jun 2024 17:35

Tgt Ion: 84 Resp: 733

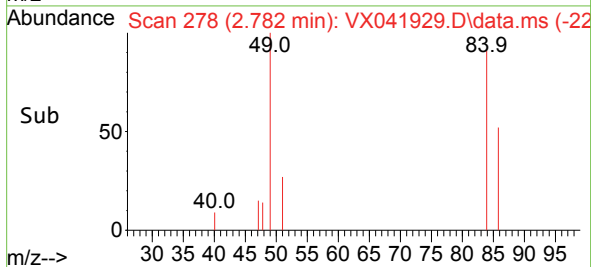
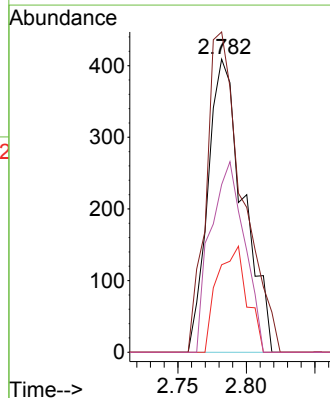
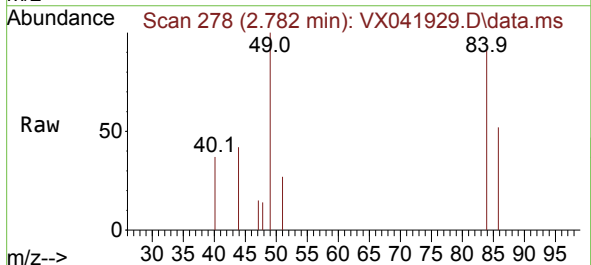
Ion Ratio Lower Upper

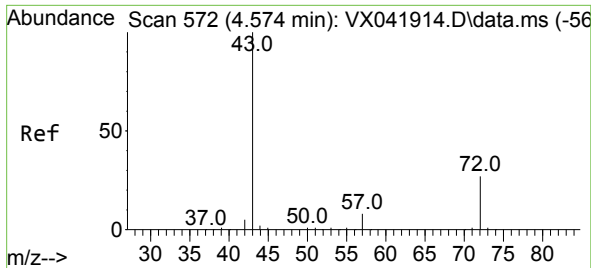
84 100

49 109.3 103.6 155.4

51 29.8 33.8 50.6#

86 57.2 49.4 74.0

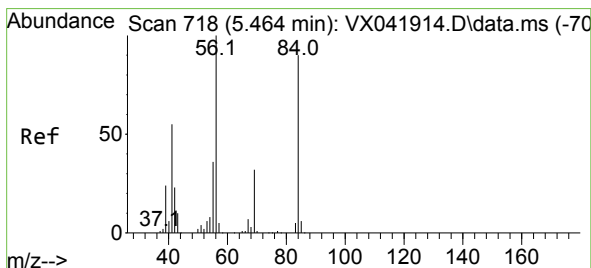
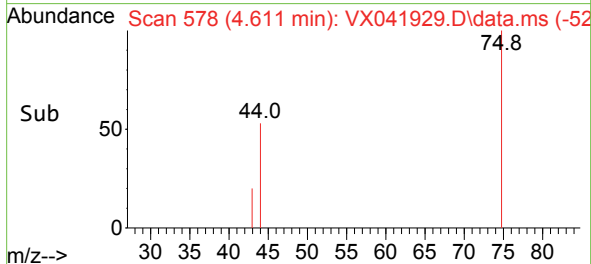
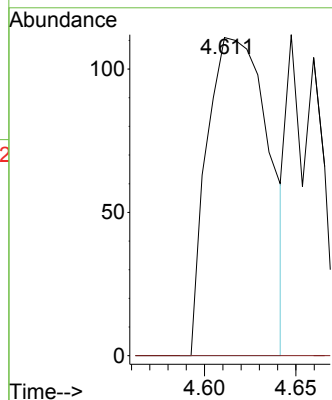
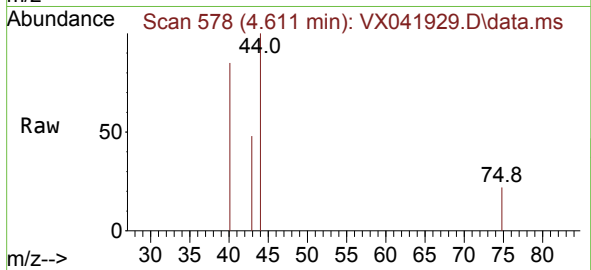




#25
2-Butanone
Concen: 0.240 ug/l
RT: 4.611 min Scan# 51
Delta R.T. 0.037 min
Lab File: VX041929.D
Acq: 18 Jun 2024 17:35

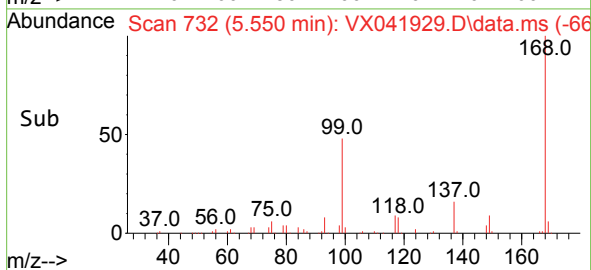
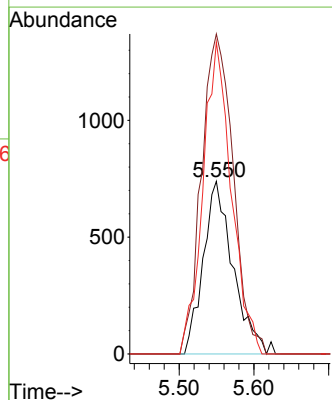
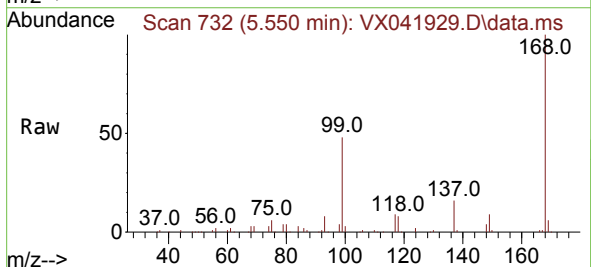
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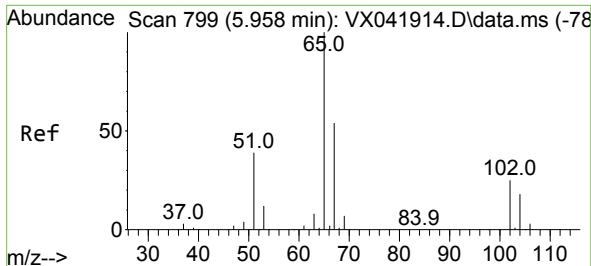
Tgt Ion: 43 Resp: 260
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#31
Cyclohexane
Concen: 1.107 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.085 min
Lab File: VX041929.D
Acq: 18 Jun 2024 17:35

Tgt Ion: 56 Resp: 2051
Ion Ratio Lower Upper
56 100
69 185.4 23.4 35.2#
84 180.6 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 43.456 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX041929.D

Acq: 18 Jun 2024 17:35

Instrument :

MSVOA_X

ClientSampleId :

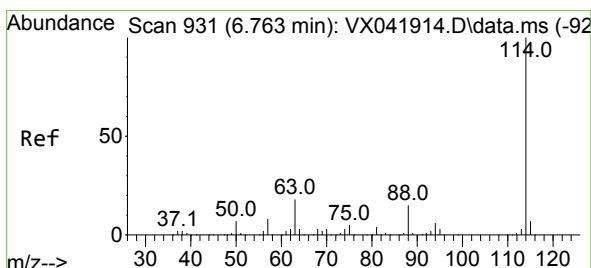
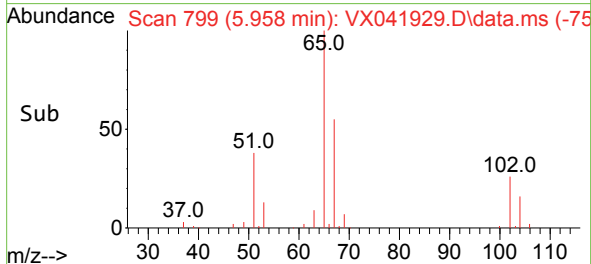
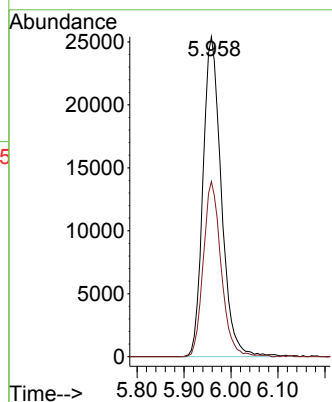
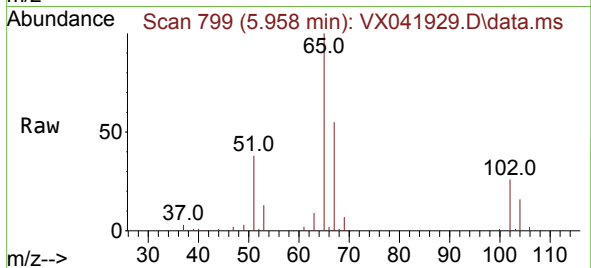
BP-VPB-189-DUP-20240614

Tgt Ion: 65 Resp: 68829

Ion Ratio Lower Upper

65 100

67 53.3 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: VX041929.D

Acq: 18 Jun 2024 17:35

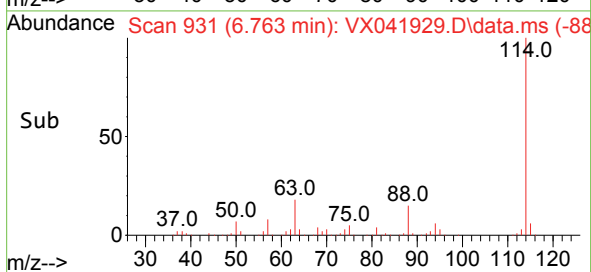
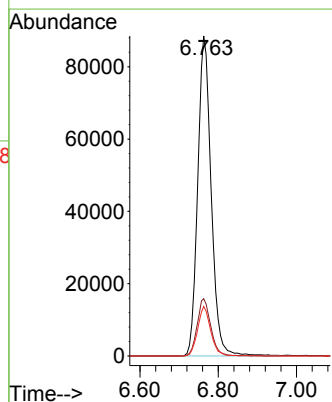
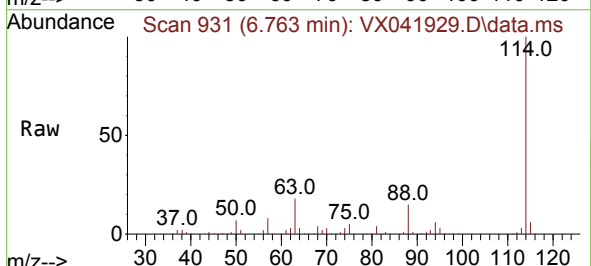
Tgt Ion:114 Resp: 212041

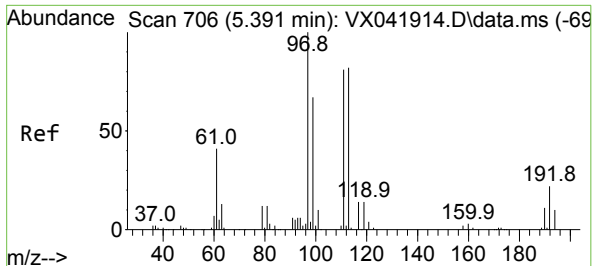
Ion Ratio Lower Upper

114 100

63 17.9 0.0 45.0

88 15.5 0.0 36.6

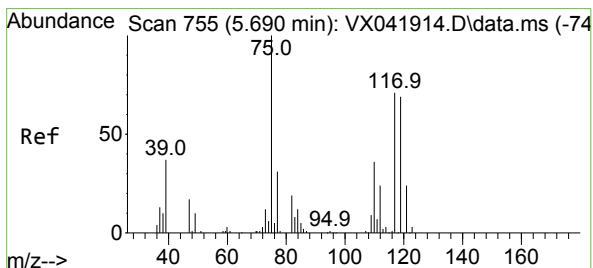
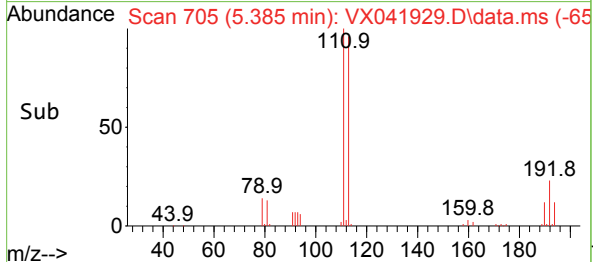
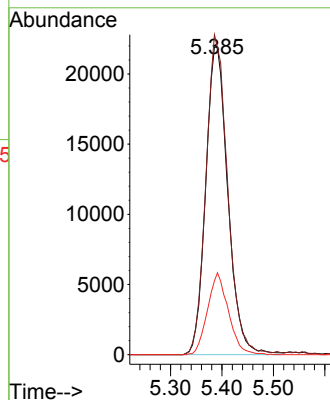
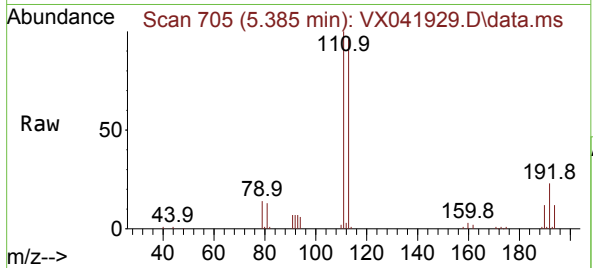




#35
Dibromofluoromethane
Concen: 43.758 ug/l
RT: 5.385 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX041929.D
Acq: 18 Jun 2024 17:35

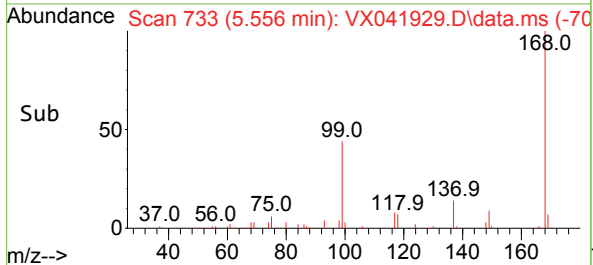
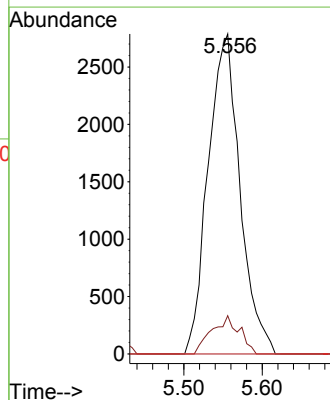
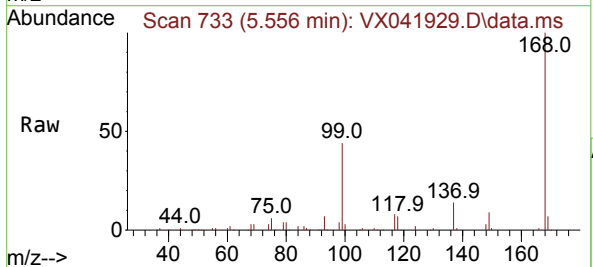
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-DUP-20240614

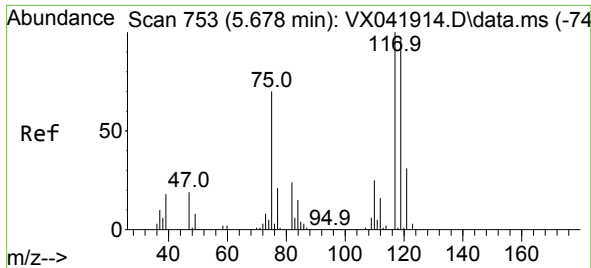
Tgt Ion:113 Resp: 65836
Ion Ratio Lower Upper
113 100
111 101.7 82.9 124.3
192 25.0 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 4.923 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX041929.D
Acq: 18 Jun 2024 17:35

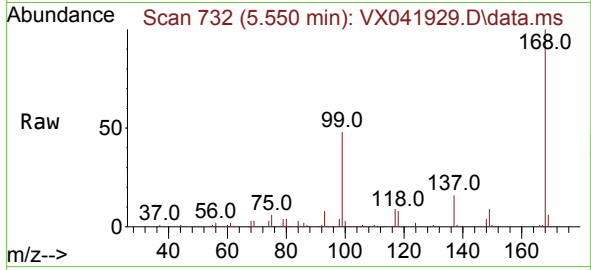
Tgt Ion: 75 Resp: 7866
Ion Ratio Lower Upper
75 100
110 10.3 17.0 50.9#
77 0.0 24.7 37.1#



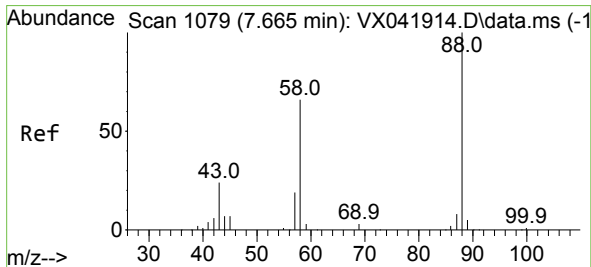
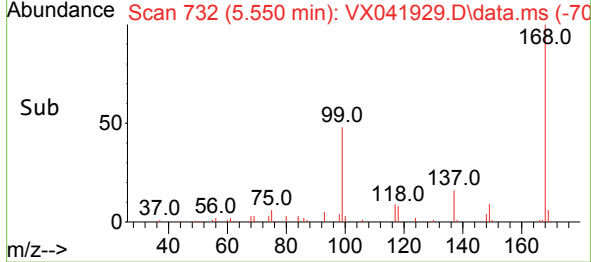
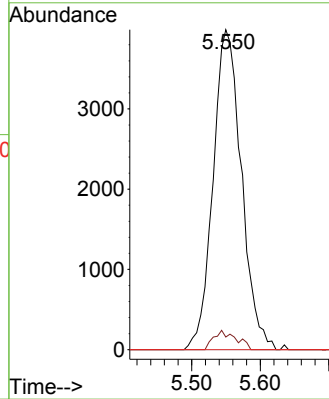


#38
Carbon Tetrachloride
Concen: 6.486 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX041929.D
Acq: 18 Jun 2024 17:35

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-DUP-20240614

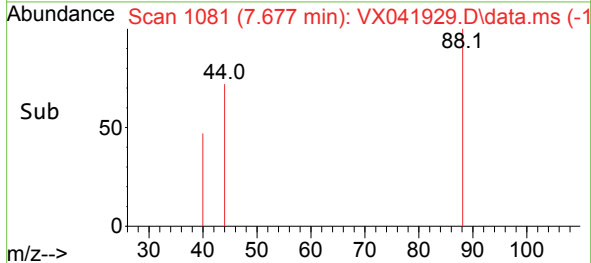
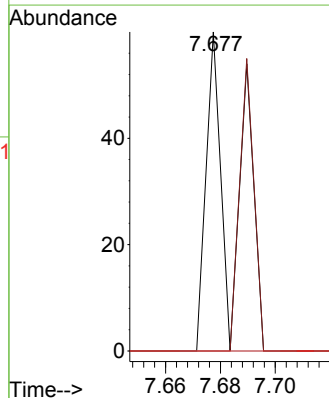
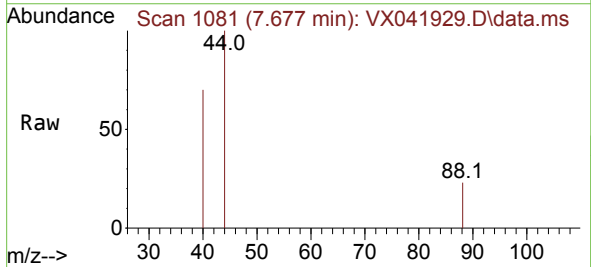


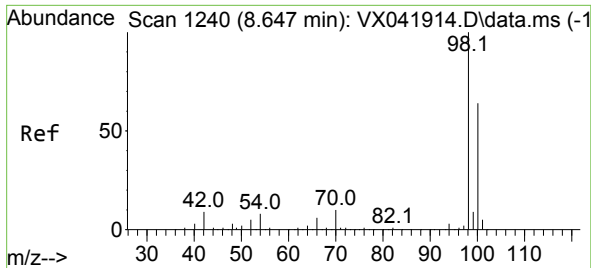
Tgt Ion:117 Resp: 11450
Ion Ratio Lower Upper
117 100
119 4.0 78.2 117.2#
121 0.0 24.4 36.6#



#49
1,4-Dioxane
Concen: 20.952 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.012 min
Lab File: VX041929.D
Acq: 18 Jun 2024 17:35

Tgt Ion: 88 Resp: 42
Ion Ratio Lower Upper
88 100
43 47.6 0.0 0.0#
58 0.0 60.1 90.1#

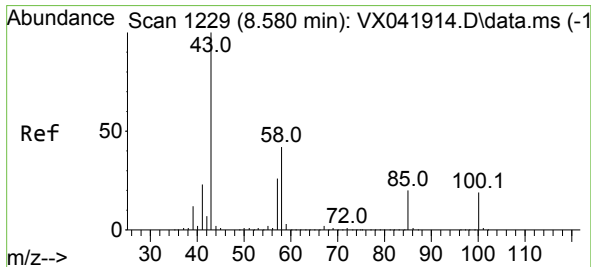
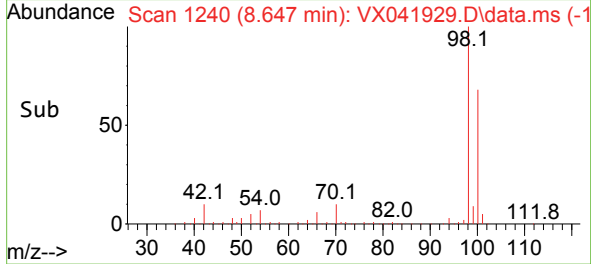
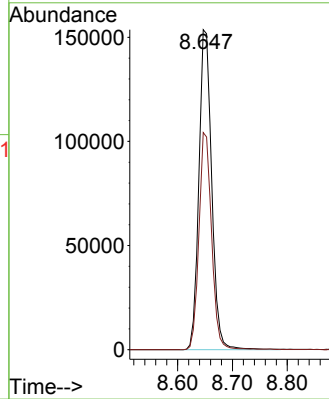
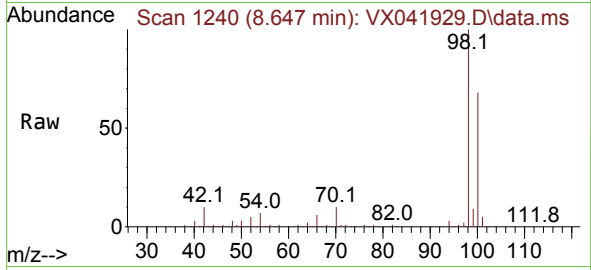




#50
Toluene-d8
Concen: 47.327 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX041929.D
Acq: 18 Jun 2024 17:35

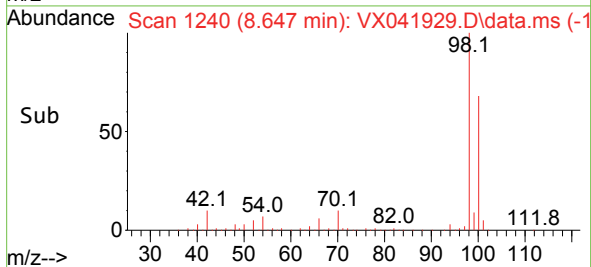
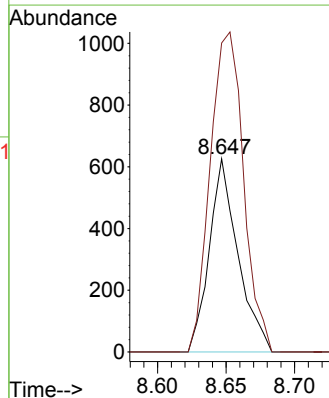
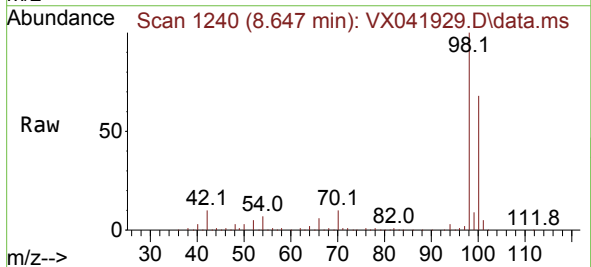
Instrument : MSVOA_X
ClientSampleId : BP-VPB-189-DUP-20240614

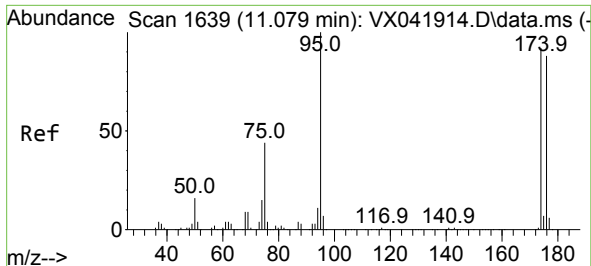
Tgt Ion: 98 Resp: 250148
Ion Ratio Lower Upper
98 100
100 67.1 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.414 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.067 min
Lab File: VX041929.D
Acq: 18 Jun 2024 17:35

Tgt Ion: 43 Resp: 911
Ion Ratio Lower Upper
43 100
58 192.8 30.4 45.6

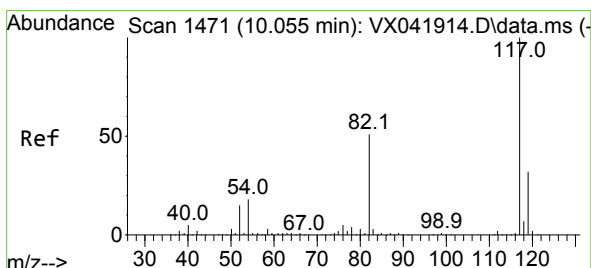
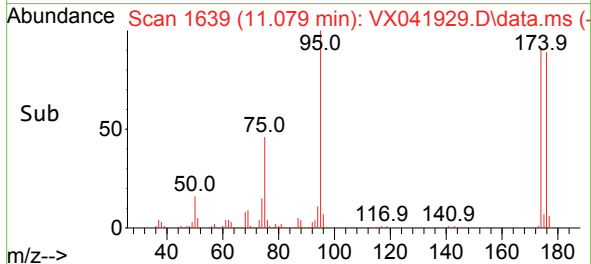
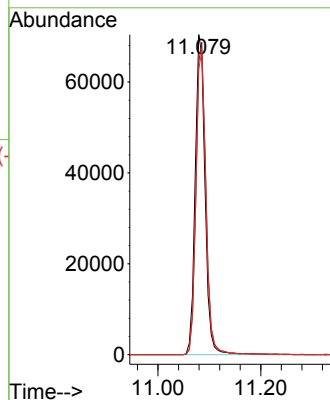
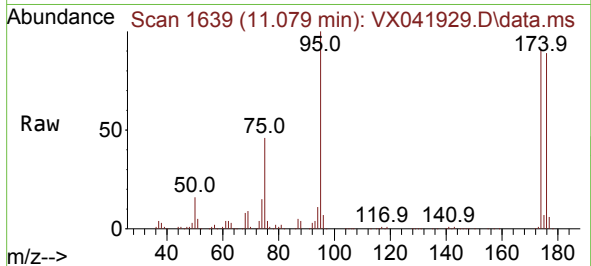




#62
4-Bromofluorobenzene
Concen: 48.311 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041929.D
Acq: 18 Jun 2024 17:35

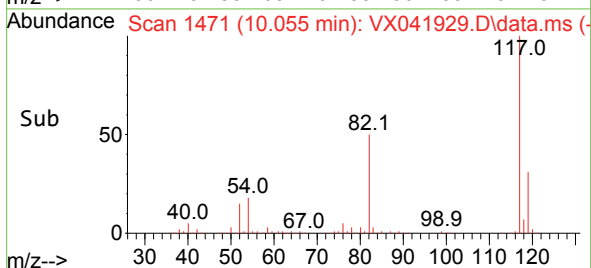
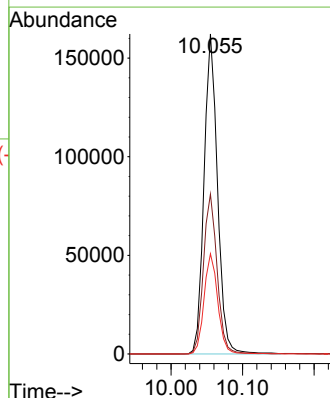
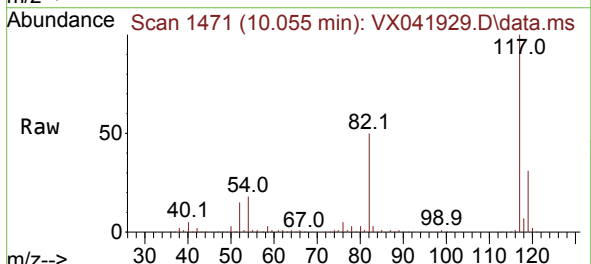
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-DUP-20240614

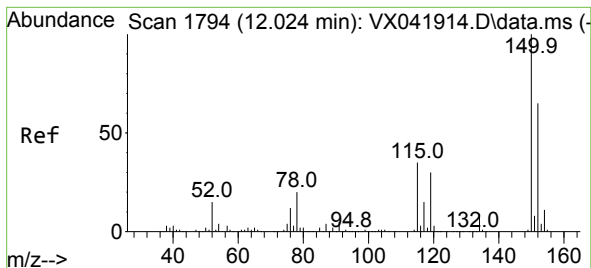
Tgt Ion: 95 Resp: 94128
Ion Ratio Lower Upper
95 100
174 98.3 0.0 135.6
176 96.4 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041929.D
Acq: 18 Jun 2024 17:35

Tgt Ion: 117 Resp: 212571
Ion Ratio Lower Upper
117 100
82 49.9 46.2 69.4
119 31.3 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX041929.D

Acq: 18 Jun 2024 17:35

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-189-DUP-20240614

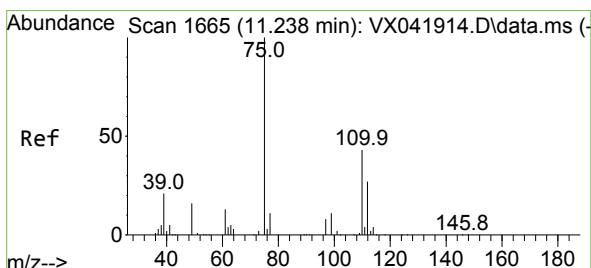
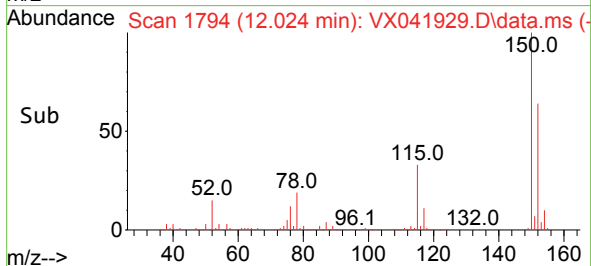
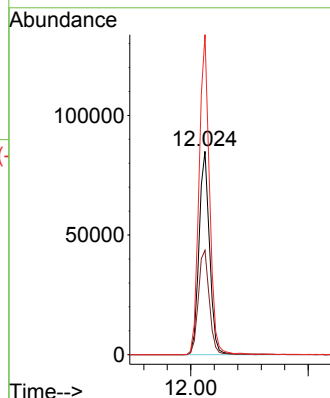
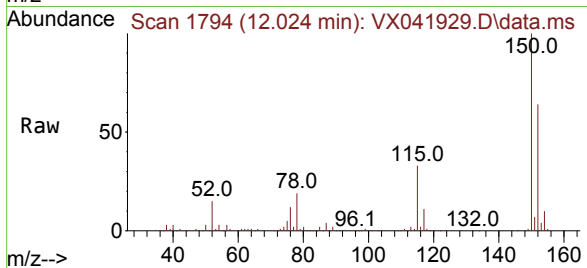
Tgt Ion:152 Resp: 105913

Ion Ratio Lower Upper

152 100

115 53.3 43.3 129.9

150 154.9 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 22.312 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX041929.D

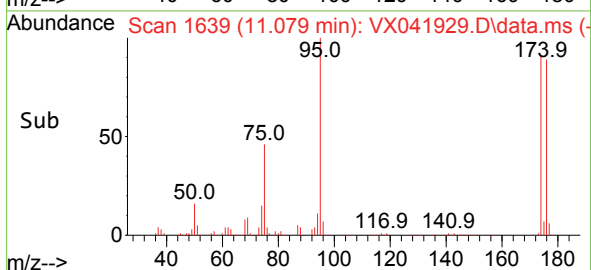
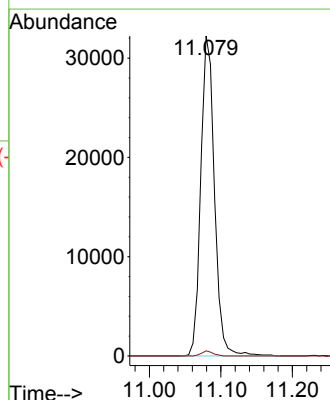
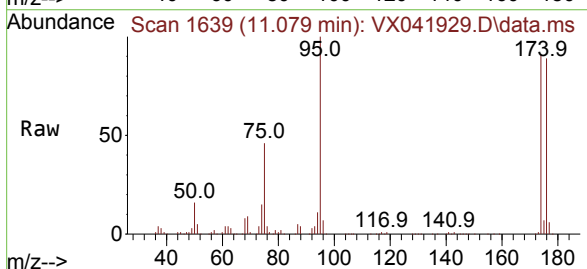
Acq: 18 Jun 2024 17:35

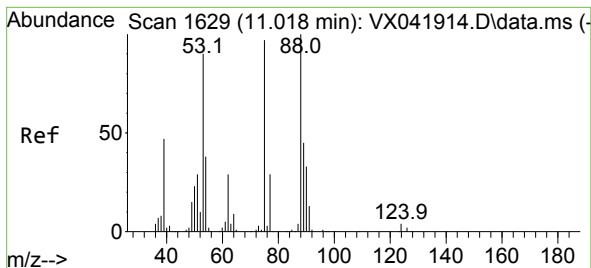
Tgt Ion: 75 Resp: 42900

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#

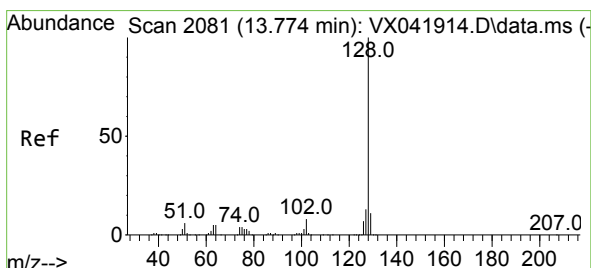
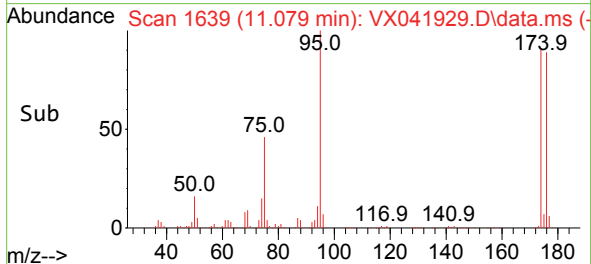
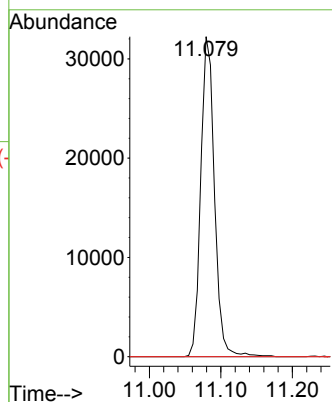
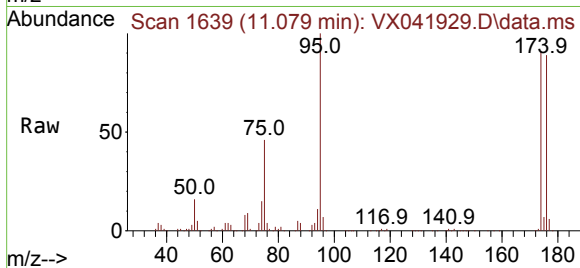




#81
trans-1,4-Dichloro-2-butene
Concen: 63.364 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX041929.D
Acq: 18 Jun 2024 17:35

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-DUP-20240614

Tgt Ion: 75 Resp: 42900
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 0.783 ug/l
RT: 13.792 min Scan# 2084
Delta R.T. 0.018 min
Lab File: VX041929.D
Acq: 18 Jun 2024 17:35

Tgt Ion:128 Resp: 271
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

