

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
 Data File : VX046209.D
 Acq On : 15 May 2025 13:24
 Operator : JC/MD
 Sample : Q2050-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-182-TB-20250512

Quant Time: May 16 01:05:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

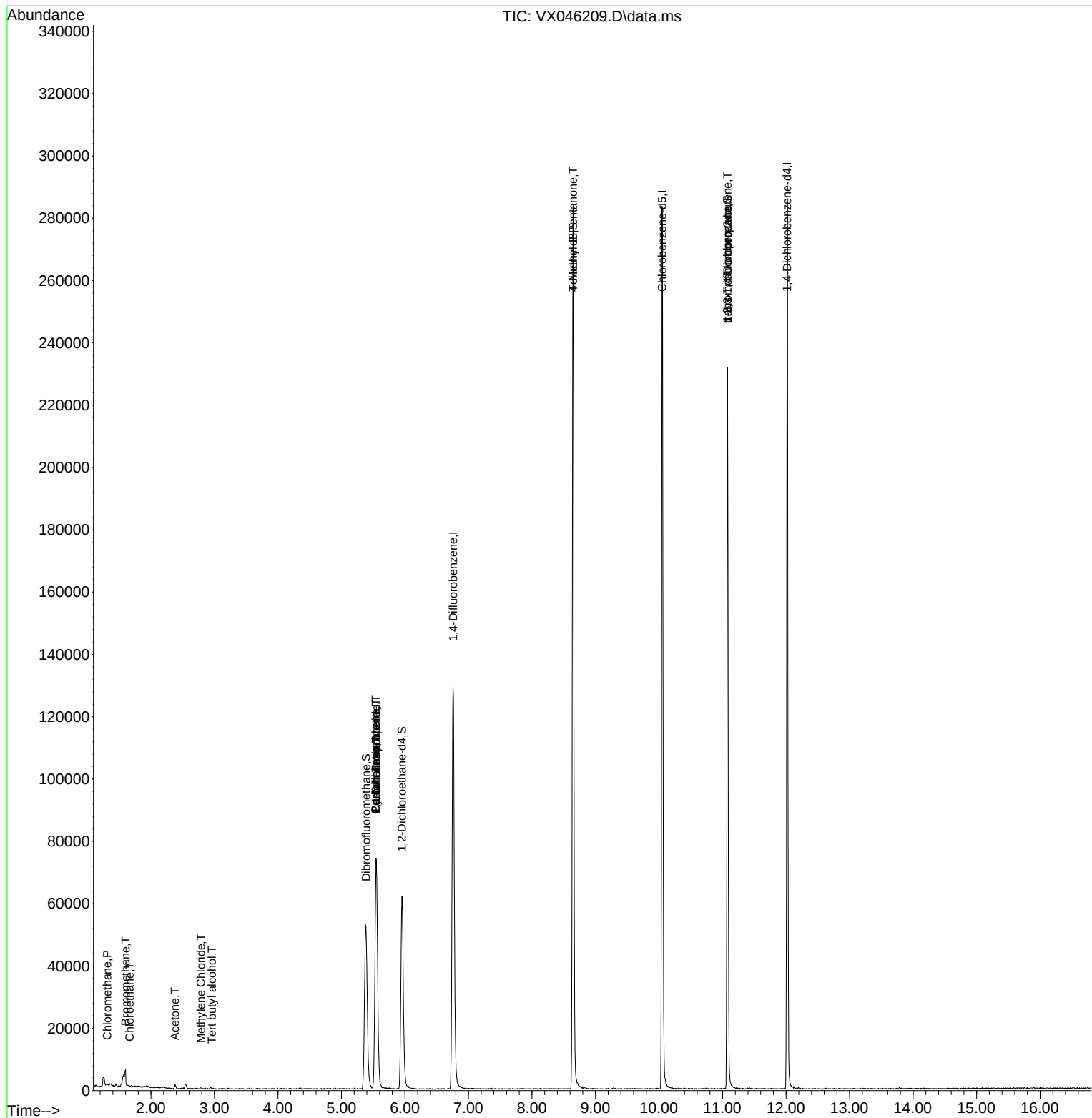
Internal Standards						
1) Pentafluorobenzene	5.544	168	62722	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	124979	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	119897	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51079	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64435	55.104	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.200%			
35) Dibromofluoromethane	5.385	113	47022	52.248	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.500%			
50) Toluene-d8	8.647	98	158764	50.968	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.940%			
62) 4-Bromofluorobenzene	11.079	95	60562	50.686	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.380%			
Target Compounds						Qvalue
3) Chloromethane	1.313	50	504	0.541	ug/l #	79
5) Bromomethane	1.599	94	138	0.343	ug/l #	4
6) Chloroethane	1.666	64	99	0.214	ug/l #	44
11) Tert butyl alcohol	2.959	59	49	0.299	ug/l #	72
16) Acetone	2.380	43	1185	2.527	ug/l #	75
20) Methylene Chloride	2.788	84	209	0.233	ug/l #	47
31) Cyclohexane	5.544	56	1898	1.362	ug/l #	28
36) 1,1-Dichloropropene	5.544	75	6319	5.226	ug/l #	52
38) Carbon Tetrachloride	5.544	117	7469	5.497	ug/l #	16
51) 4-Methyl-2-Pentanone	8.647	43	866	0.572	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	35301	28.712	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	35301	93.476	ug/l #	1

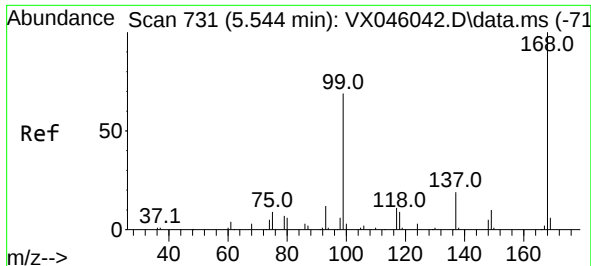
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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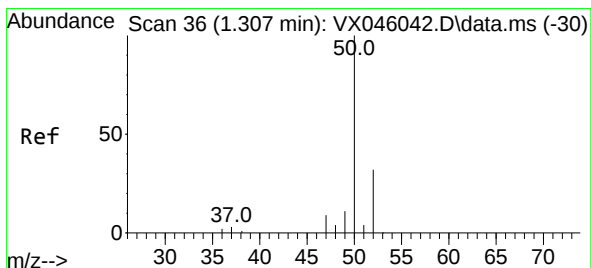
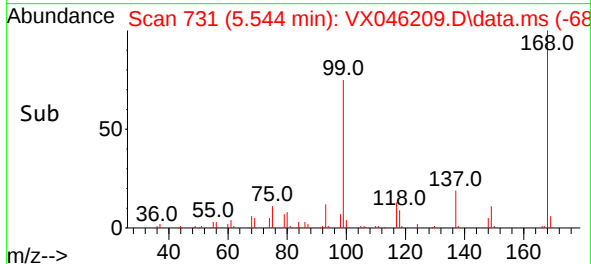
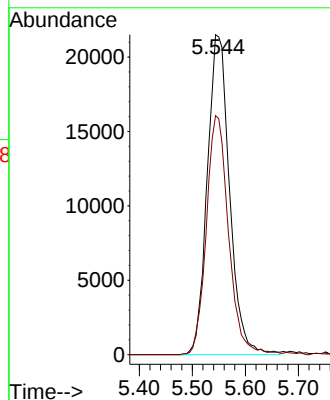
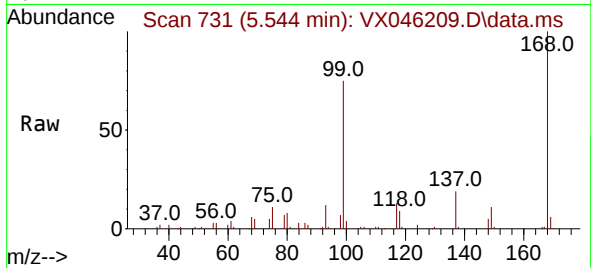




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046209.D
Acq: 15 May 2025 13:24

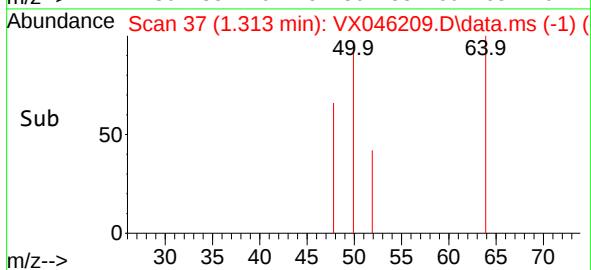
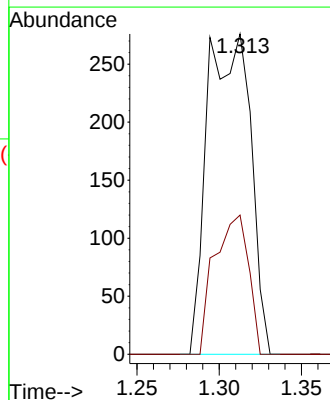
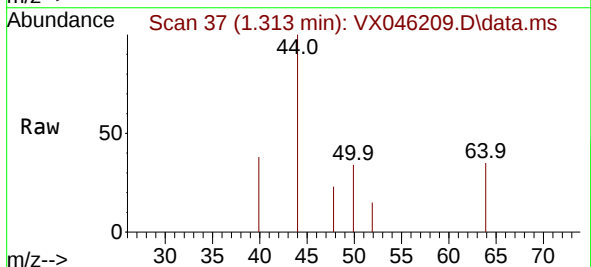
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-TB-20250512

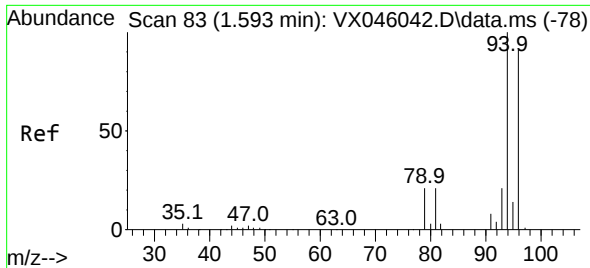
Tgt Ion:168 Resp: 62722
Ion Ratio Lower Upper
168 100
99 74.7 54.9 82.3



#3
Chloromethane
Concen: 0.541 ug/l
RT: 1.313 min Scan# 37
Delta R.T. 0.006 min
Lab File: VX046209.D
Acq: 15 May 2025 13:24

Tgt Ion: 50 Resp: 504
Ion Ratio Lower Upper
50 100
52 43.5 25.4 38.2#

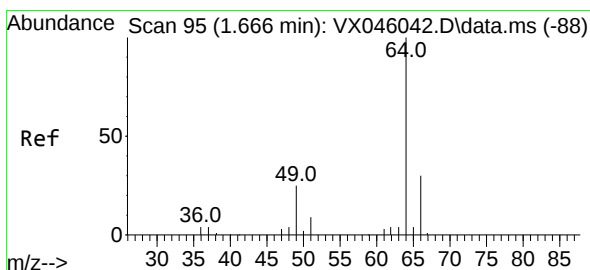
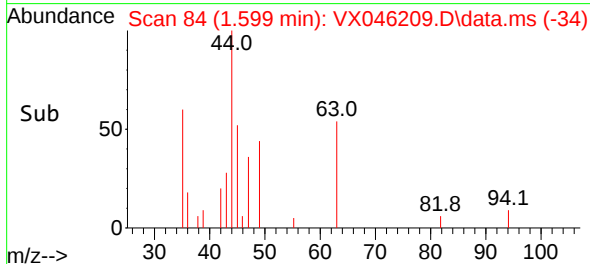
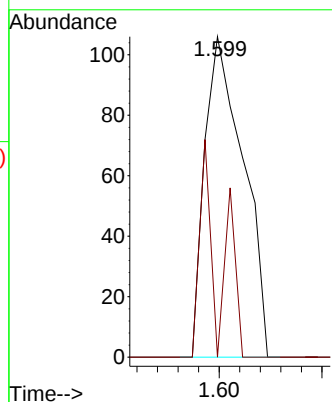
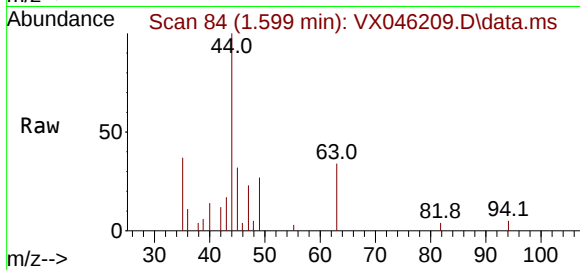




#5
Bromomethane
Concen: 0.343 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX046209.D
Acq: 15 May 2025 13:24

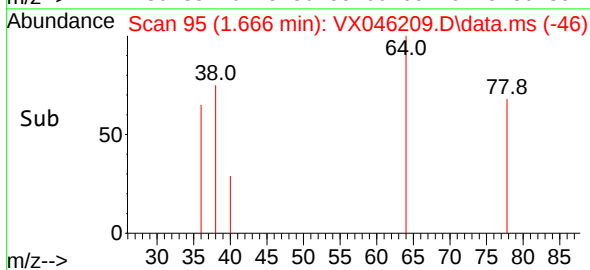
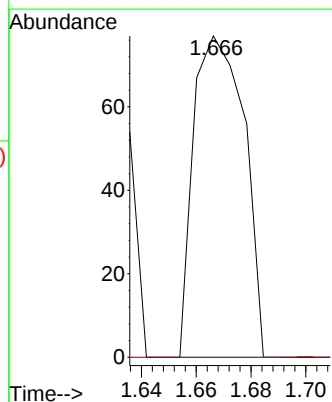
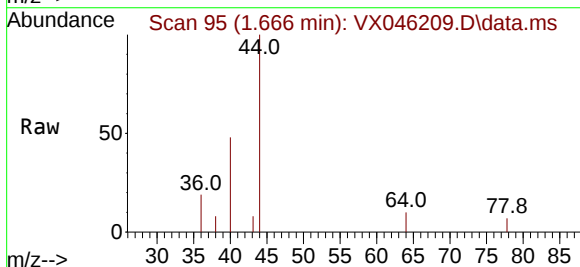
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-TB-20250512

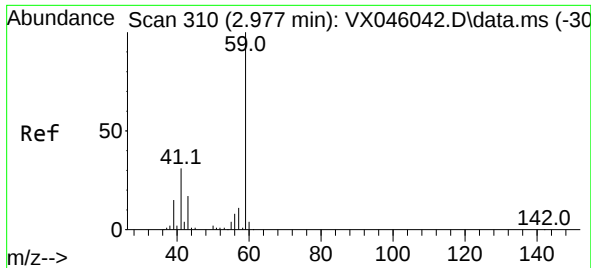
Tgt Ion: 94 Resp: 138
Ion Ratio Lower Upper
94 100
96 0.0 72.8 109.2#



#6
Chloroethane
Concen: 0.214 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX046209.D
Acq: 15 May 2025 13:24

Tgt Ion: 64 Resp: 99
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#

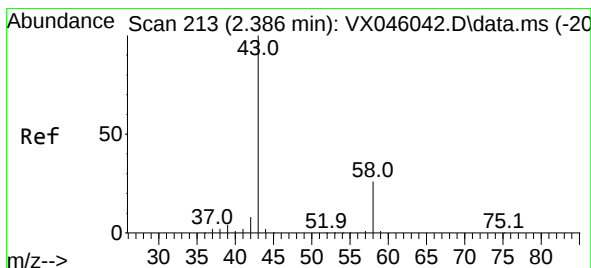
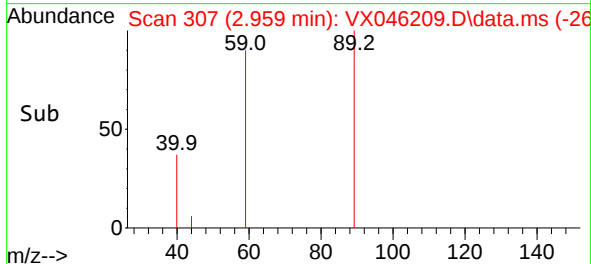
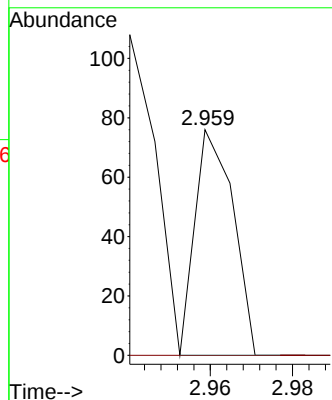
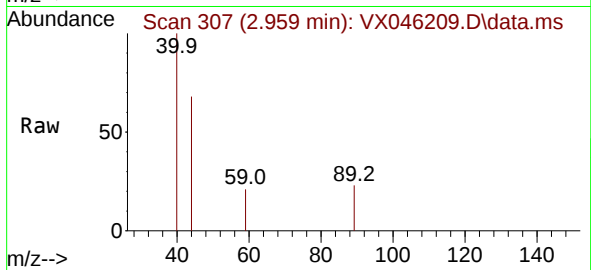




#11
Tert butyl alcohol
Concen: 0.299 ug/l
RT: 2.959 min Scan# 30
Delta R.T. -0.018 min
Lab File: VX046209.D
Acq: 15 May 2025 13:24

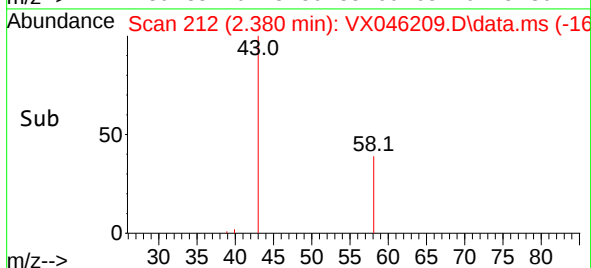
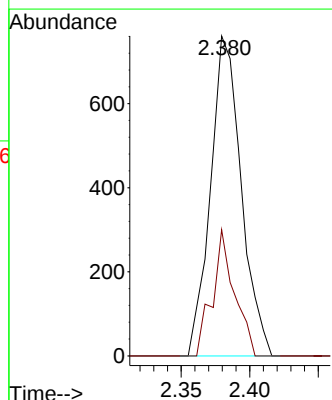
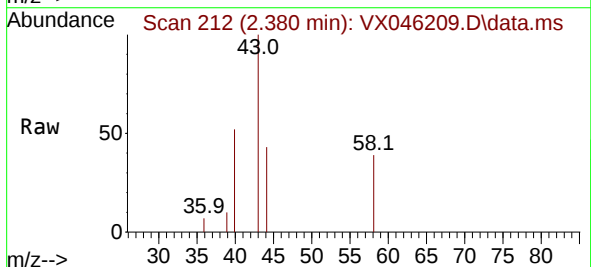
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-TB-20250512

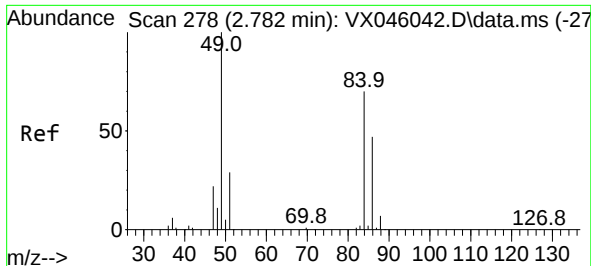
Tgt Ion: 59 Resp: 49
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 2.527 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046209.D
Acq: 15 May 2025 13:24

Tgt Ion: 43 Resp: 1185
Ion Ratio Lower Upper
43 100
58 39.4 21.2 31.8#

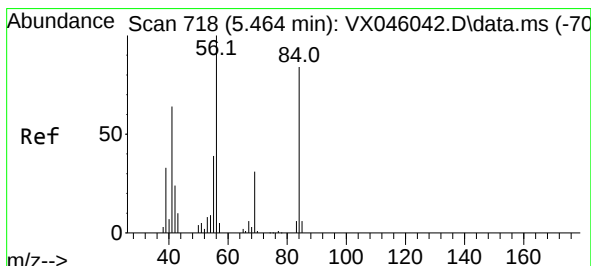
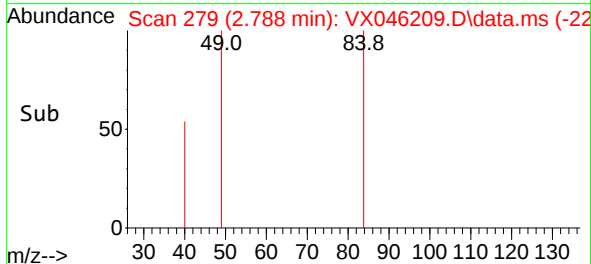
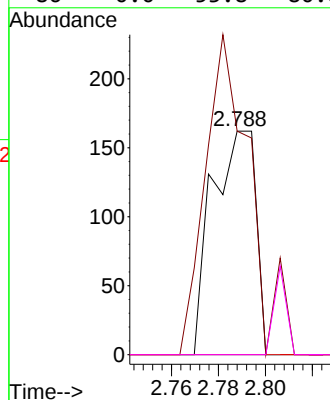
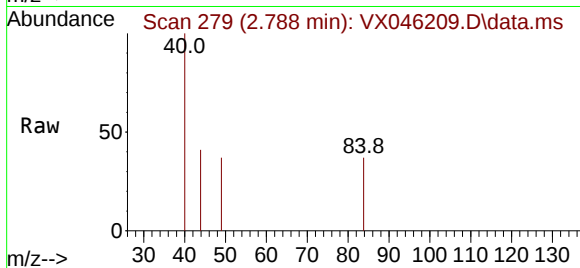




#20
Methylene Chloride
Concen: 0.233 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046209.D
Acq: 15 May 2025 13:24

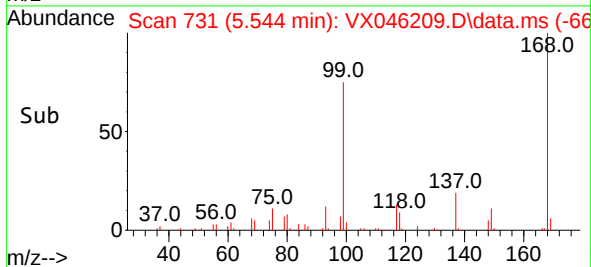
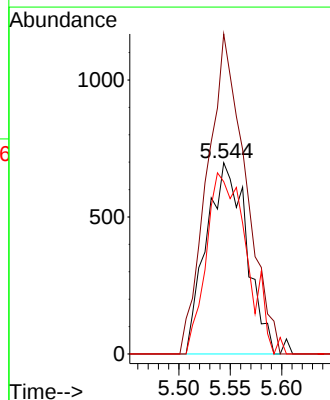
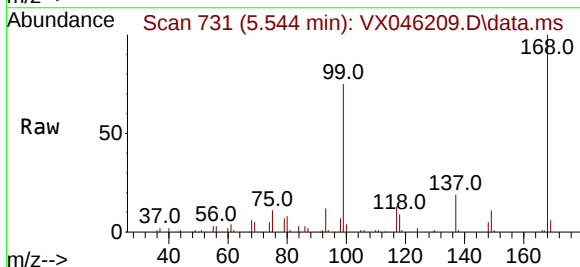
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-TB-20250512

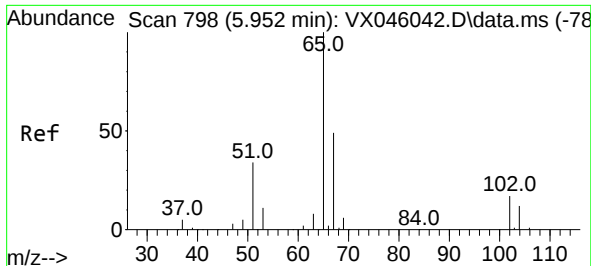
Tgt Ion:	84	Resp:	209
Ion	Ratio	Lower	Upper
84	100		
49	100.0	113.9	170.9#
51	0.0	33.5	50.3#
86	0.0	53.8	80.8#



#31
Cyclohexane
Concen: 1.362 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.079 min
Lab File: VX046209.D
Acq: 15 May 2025 13:24

Tgt Ion:	56	Resp:	1898
Ion	Ratio	Lower	Upper
56	100		
69	167.3	24.4	36.6#
84	90.1	66.9	100.3





#33

1,2-Dichloroethane-d4

Concen: 55.104 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046209.D

Acq: 15 May 2025 13:24

Instrument :

MSVOA_X

ClientSampleId :

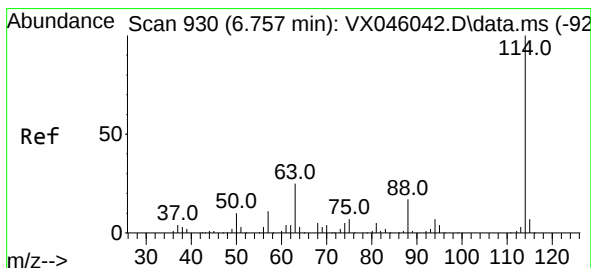
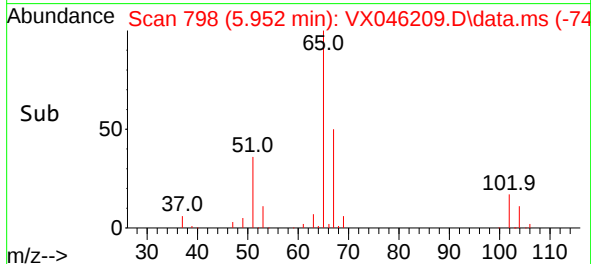
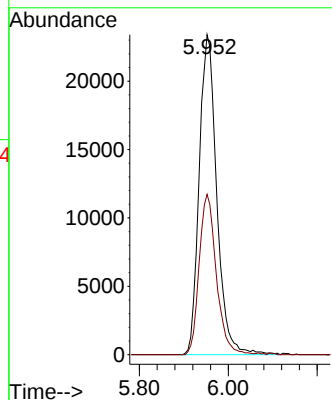
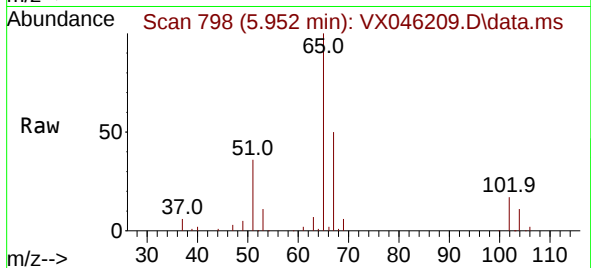
BP-VPB-182-TB-20250512

Tgt Ion: 65 Resp: 64435

Ion Ratio Lower Upper

65 100

67 48.9 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX046209.D

Acq: 15 May 2025 13:24

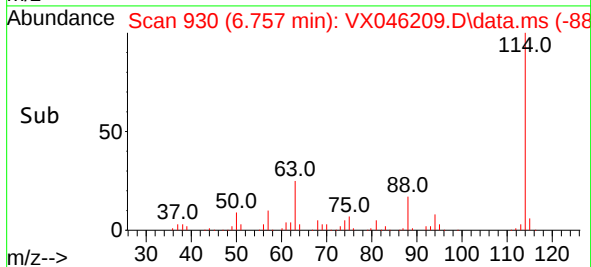
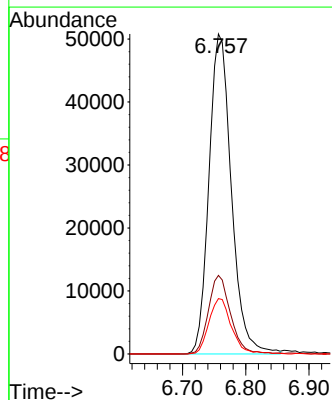
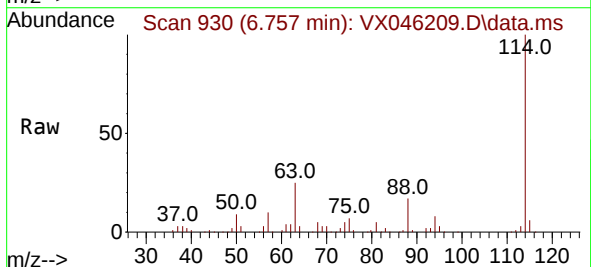
Tgt Ion: 114 Resp: 124979

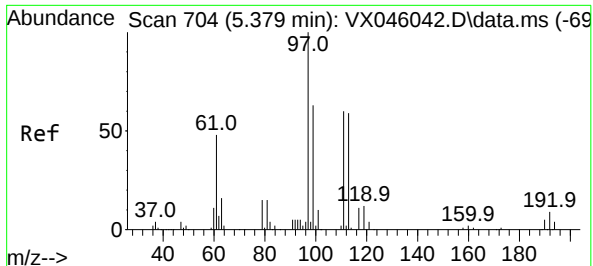
Ion Ratio Lower Upper

114 100

63 24.5 0.0 49.2

88 17.3 0.0 33.6

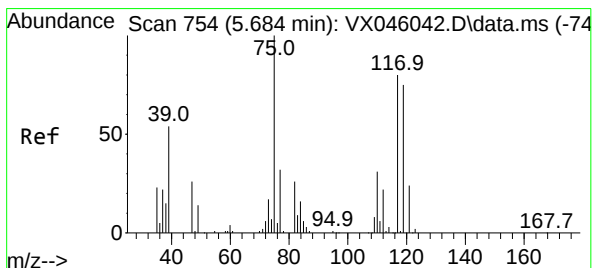
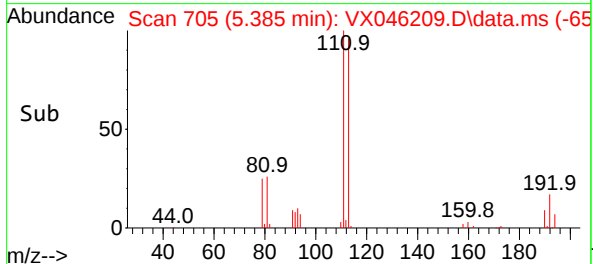
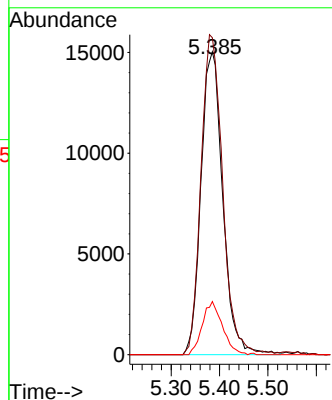
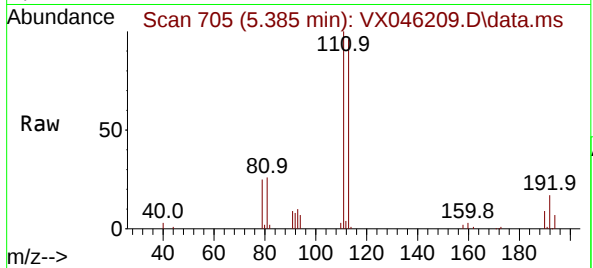




#35
Dibromofluoromethane
Concen: 52.248 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046209.D
Acq: 15 May 2025 13:24

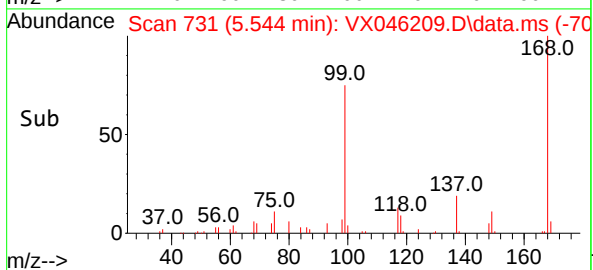
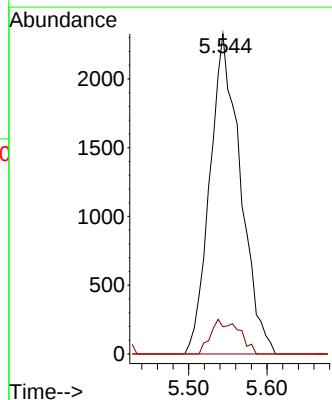
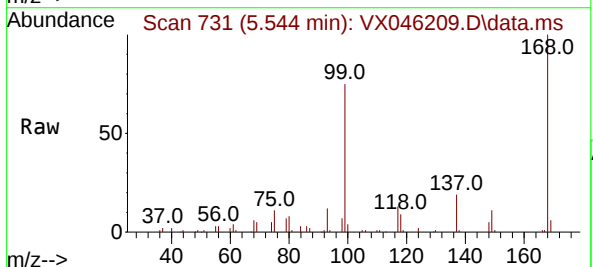
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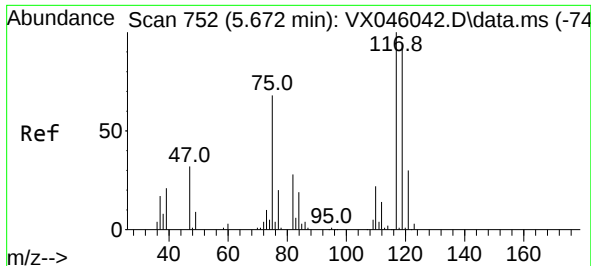
Tgt Ion:113 Resp: 47022
Ion Ratio Lower Upper
113 100
111 104.9 83.1 124.7
192 16.2 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.226 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX046209.D
Acq: 15 May 2025 13:24

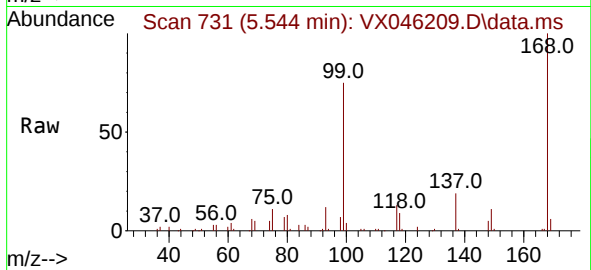
Tgt Ion: 75 Resp: 6319
Ion Ratio Lower Upper
75 100
110 9.9 16.3 48.9#
77 0.0 24.3 36.5#



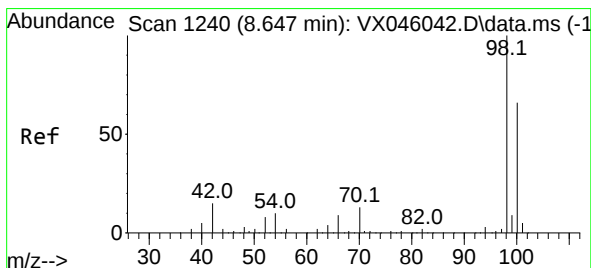
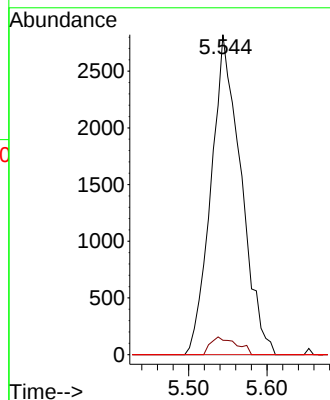
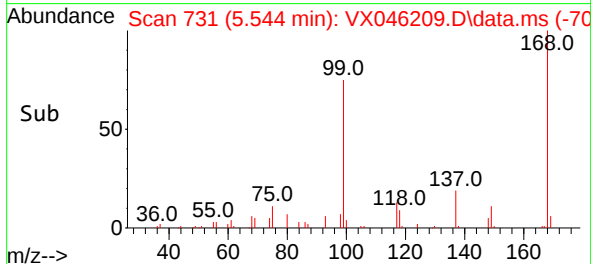


#38
Carbon Tetrachloride
Concen: 5.497 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX046209.D
Acq: 15 May 2025 13:24

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-TB-20250512

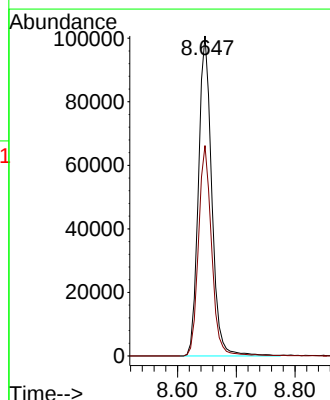
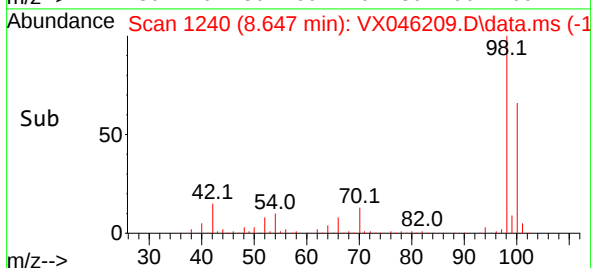
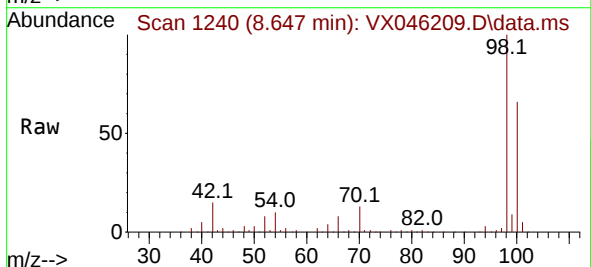


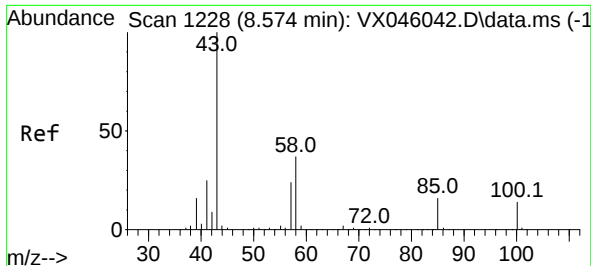
Tgt Ion:117 Resp: 7469
Ion Ratio Lower Upper
117 100
119 4.5 75.2 112.8#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 50.968 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046209.D
Acq: 15 May 2025 13:24

Tgt Ion: 98 Resp: 158764
Ion Ratio Lower Upper
98 100
100 64.9 53.5 80.3

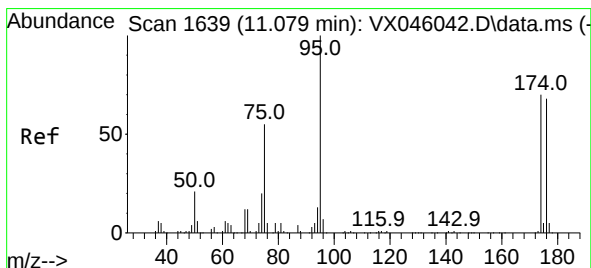
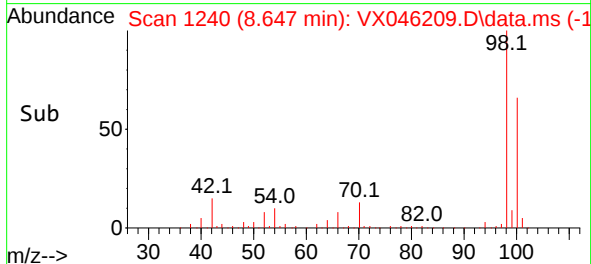
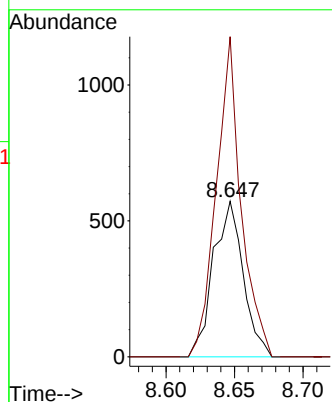
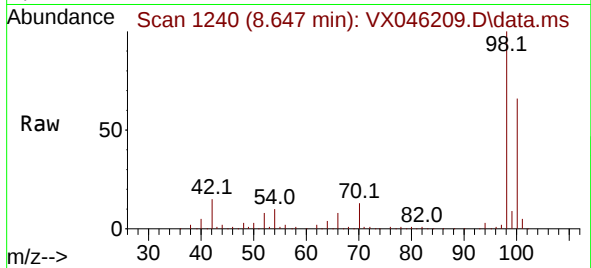




#51
4-Methyl-2-Pentanone
Concen: 0.572 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX046209.D
Acq: 15 May 2025 13:24

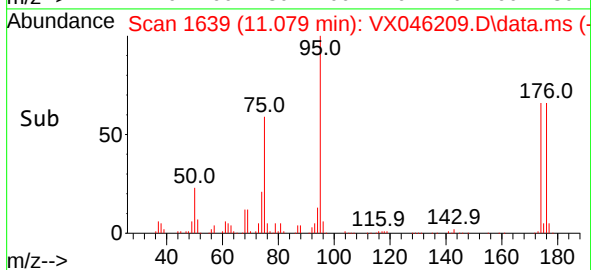
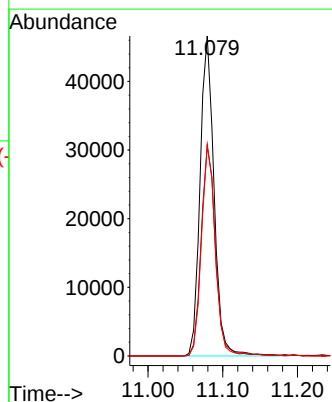
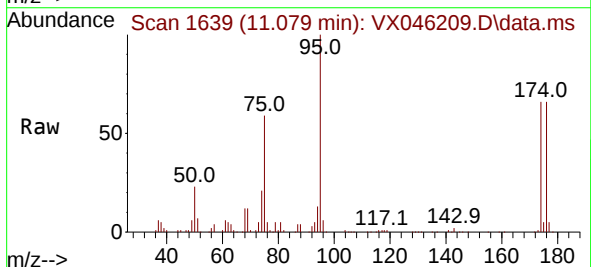
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-TB-20250512

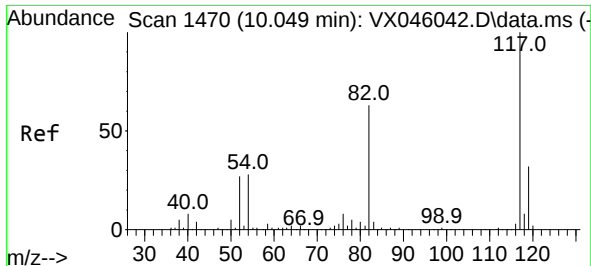
Tgt Ion: 43 Resp: 866
Ion Ratio Lower Upper
43 100
58 171.4 28.9 43.3#



#62
4-Bromofluorobenzene
Concen: 50.686 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046209.D
Acq: 15 May 2025 13:24

Tgt Ion: 95 Resp: 60562
Ion Ratio Lower Upper
95 100
174 67.3 0.0 135.8
176 65.4 0.0 131.4

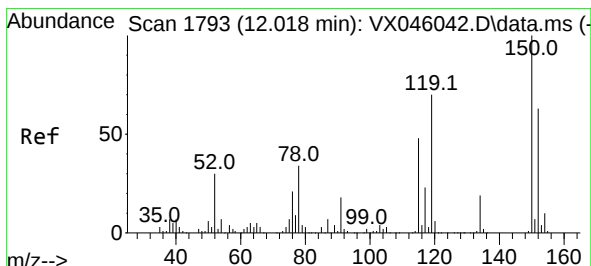
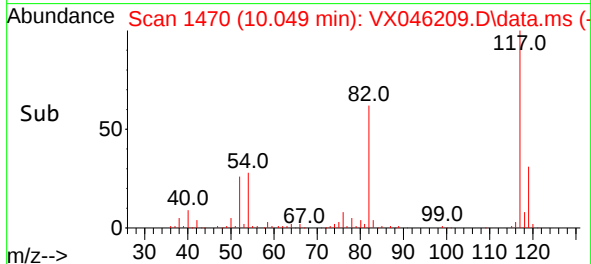
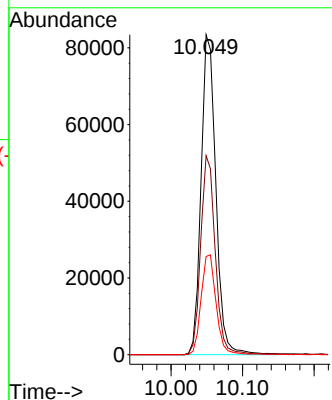
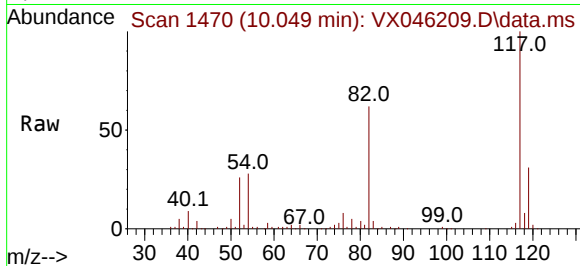




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046209.D
Acq: 15 May 2025 13:24

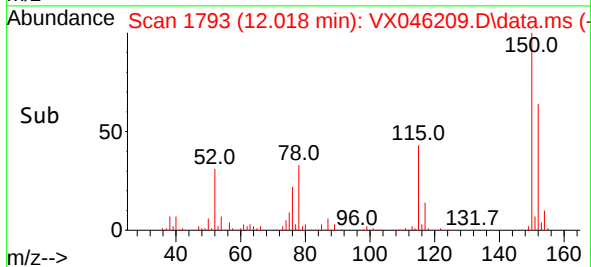
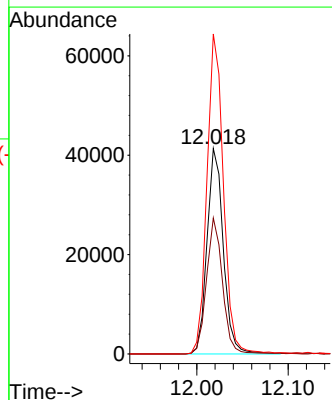
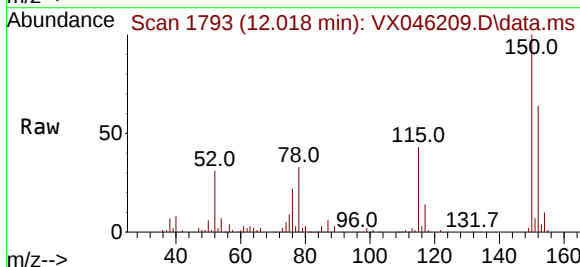
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-TB-20250512

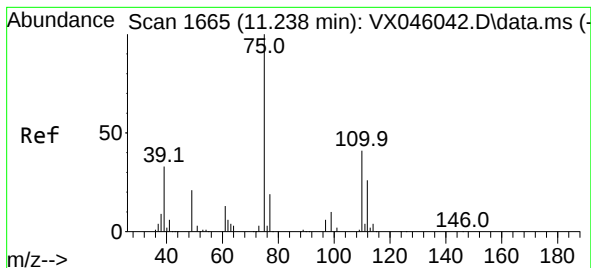
Tgt Ion:117 Resp: 119897
Ion Ratio Lower Upper
117 100
82 62.2 50.6 76.0
119 30.7 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046209.D
Acq: 15 May 2025 13:24

Tgt Ion:152 Resp: 51079
Ion Ratio Lower Upper
152 100
115 65.2 46.9 140.7
150 157.4 0.0 351.0





#76

1,2,3-Trichloropropane

Concen: 28.712 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX046209.D

Acq: 15 May 2025 13:24

Instrument :

MSVOA_X

ClientSampleId :

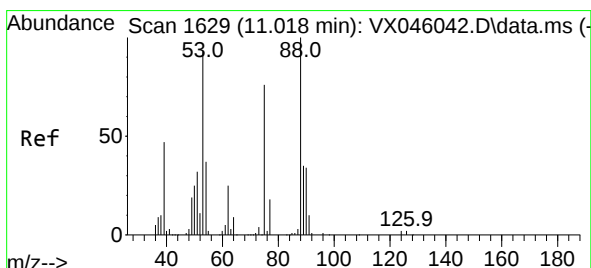
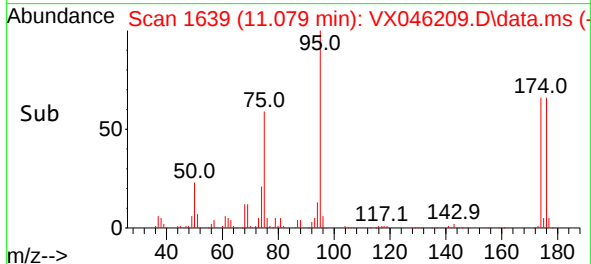
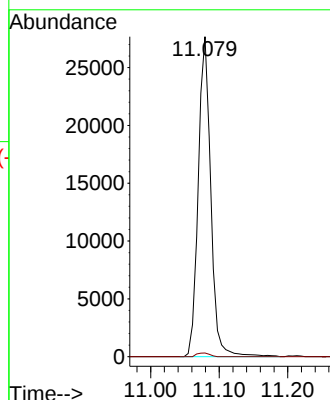
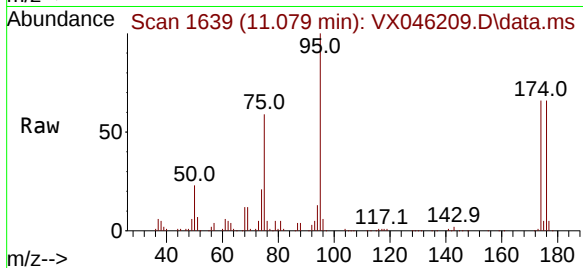
BP-VPB-182-TB-20250512

Tgt Ion: 75 Resp: 35301

Ion Ratio Lower Upper

75 100

77 1.2 20.5 61.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 93.476 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX046209.D

Acq: 15 May 2025 13:24

Tgt Ion: 75 Resp: 35301

Ion Ratio Lower Upper

75 100

53 0.0 100.5 150.7#

89 0.0 37.0 55.6#

