

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060325\
 Data File : VX046465.D
 Acq On : 03 Jun 2025 12:13
 Operator : JC/MD
 Sample : Q2186-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VPB182-HYD-20250530

Quant Time: Jun 04 01:25:24 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

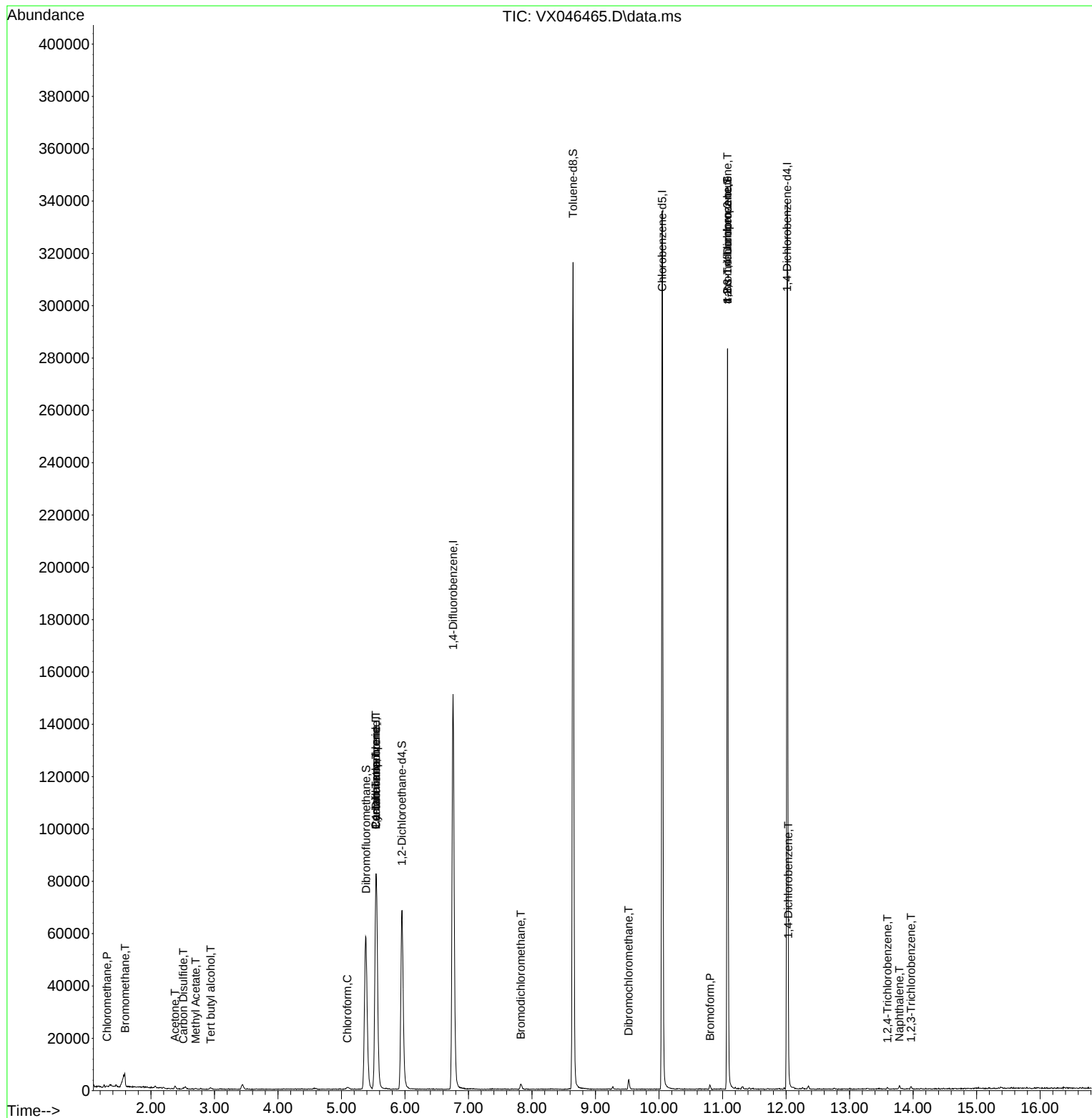
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	72286	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	144078	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	137138	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	61107	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	69043	51.232	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.460%	
35) Dibromofluoromethane	5.385	113	51094	49.247	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.500%	
50) Toluene-d8	8.647	98	179500	49.986	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.980%	
62) 4-Bromofluorobenzene	11.079	95	72967	52.973	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 105.940%	
Target Compounds						Qvalue
3) Chloromethane	1.307	50	549	0.512	ug/l	93
5) Bromomethane	1.593	94	122	0.263	ug/l #	74
11) Tert butyl alcohol	2.941	59	196	1.036	ug/l #	72
16) Acetone	2.380	43	1333	2.467	ug/l #	74
17) Carbon Disulfide	2.508	76	543	0.267	ug/l #	76
18) Methyl Acetate	2.703	43	271	0.216	ug/l #	55
30) Chloroform	5.093	83	1110	0.604	ug/l	99
31) Cyclohexane	5.544	56	1994	1.242	ug/l #	18
36) 1,1-Dichloropropene	5.544	75	7228	5.185	ug/l #	51
38) Carbon Tetrachloride	5.544	117	8974	5.729	ug/l #	15
47) Bromodichloromethane	7.824	83	1573	0.997	ug/l #	89
60) Dibromochloromethane	9.519	129	1867	1.722	ug/l	93
71) Bromoform	10.805	173	518	0.673	ug/l #	91
76) 1,2,3-Trichloropropane	11.079	75	41451	28.181	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	41451	91.749	ug/l #	1
88) 1,4-Dichlorobenzene	12.036	146	439	0.213	ug/l #	42
93) 1,2,4-Trichlorobenzene	13.597	180	251	0.216	ug/l #	74
95) Naphthalene	13.786	128	1670	0.392	ug/l #	82
96) 1,2,3-Trichlorobenzene	13.969	180	385	0.321	ug/l #	87

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

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Quant Time: Jun 04 01:25:24 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

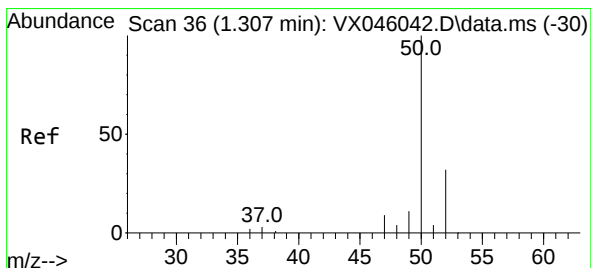
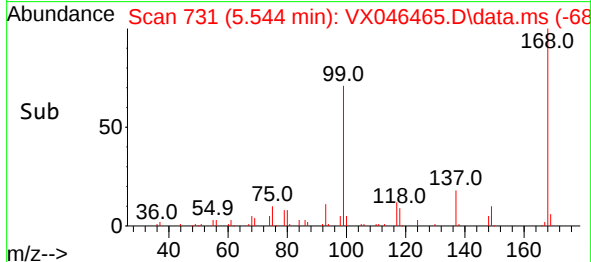
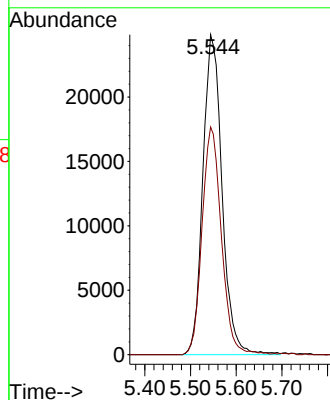
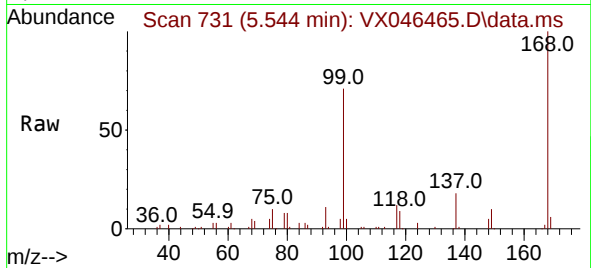




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046465.D
Acq: 03 Jun 2025 12:13

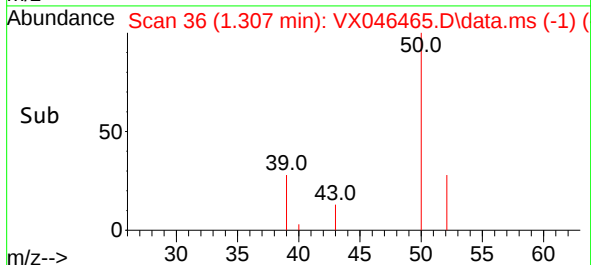
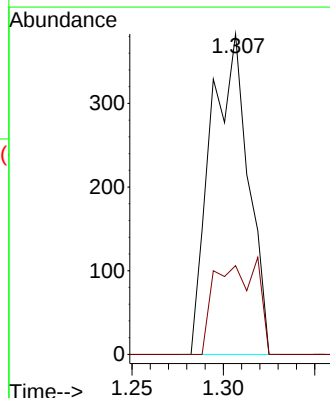
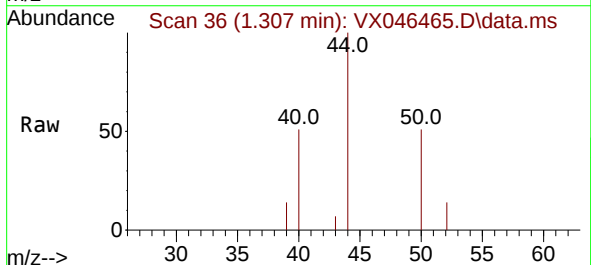
Instrument :
MSVOA_X
ClientSampleId :
VPB182-HYD-20250530

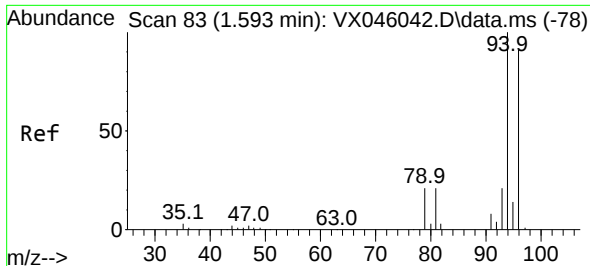
Tgt Ion:168 Resp: 72286
Ion Ratio Lower Upper
168 100
99 71.1 54.9 82.3



#3
Chloromethane
Concen: 0.512 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.000 min
Lab File: VX046465.D
Acq: 03 Jun 2025 12:13

Tgt Ion: 50 Resp: 549
Ion Ratio Lower Upper
50 100
52 27.7 25.4 38.2

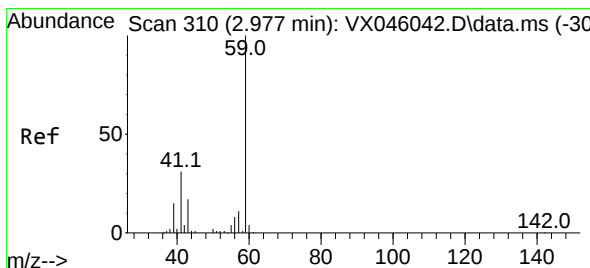
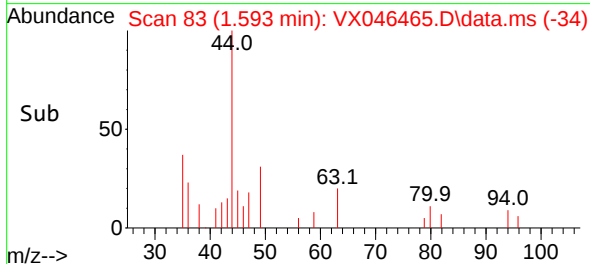
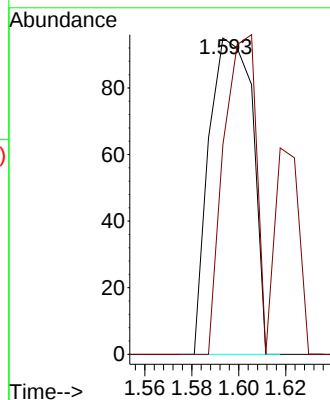
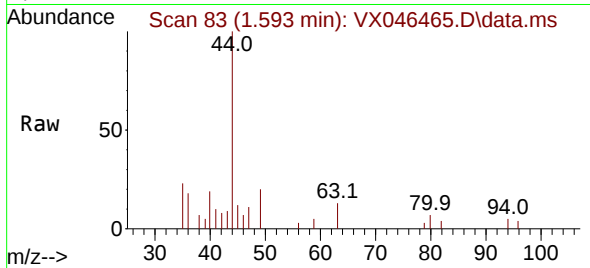




#5
Bromomethane
Concen: 0.263 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX046465.D
Acq: 03 Jun 2025 12:13

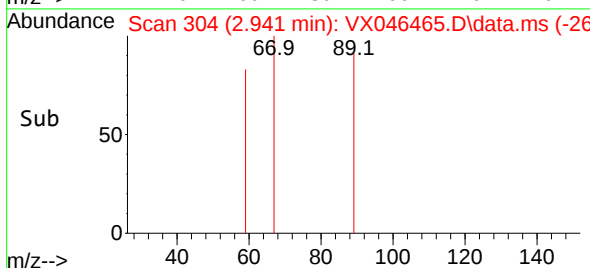
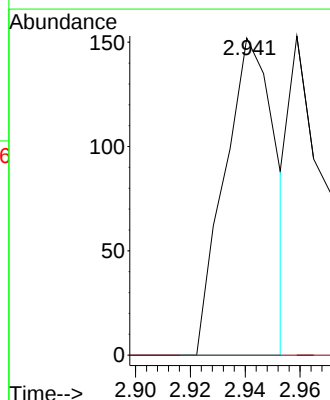
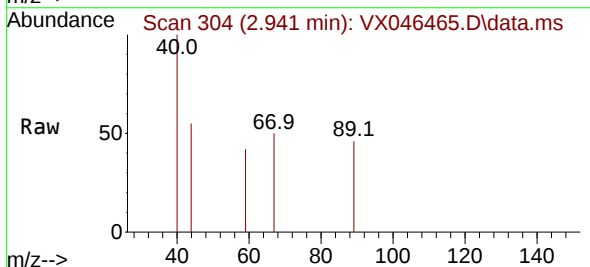
Instrument :
MSVOA_X
ClientSampleId :
VPB182-HYD-20250530

Tgt Ion: 94 Resp: 122
Ion Ratio Lower Upper
94 100
96 66.3 72.8 109.2#



#11
Tert butyl alcohol
Concen: 1.036 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.037 min
Lab File: VX046465.D
Acq: 03 Jun 2025 12:13

Tgt Ion: 59 Resp: 196
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

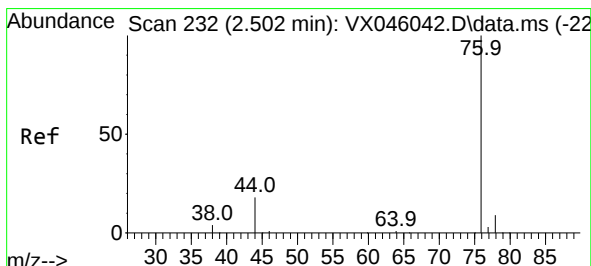
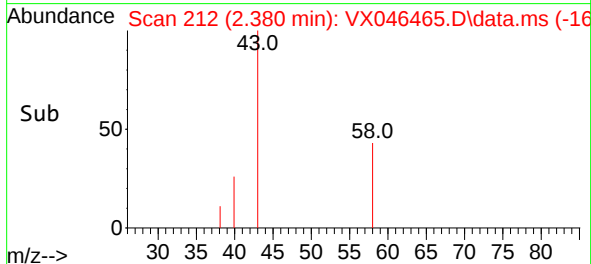
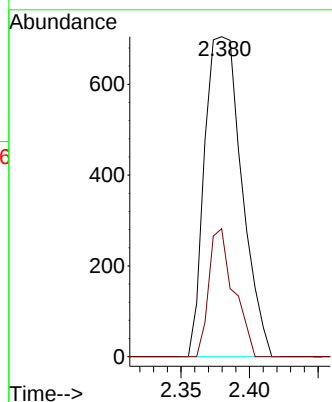
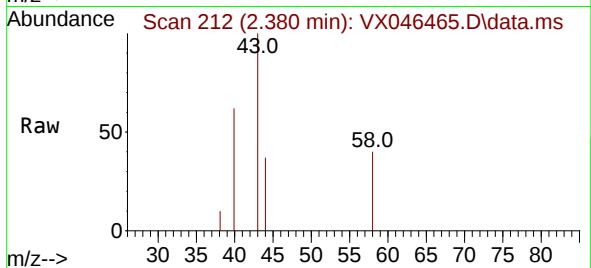




#16
Acetone
Concen: 2.467 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX046465.D
Acq: 03 Jun 2025 12:13

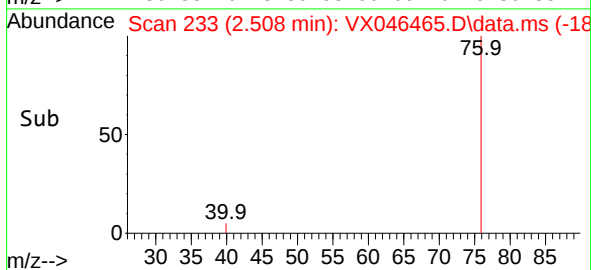
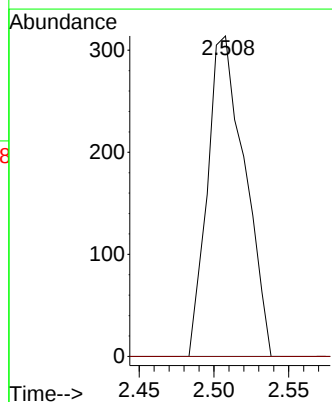
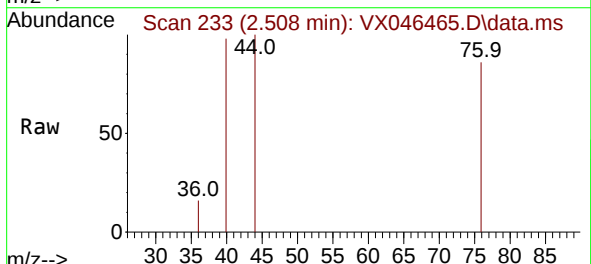
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MSVOA_X
ClientSampleId :
VPB182-HYD-20250530

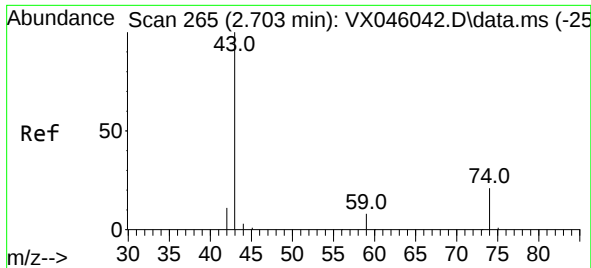
Tgt Ion: 43 Resp: 1333
Ion Ratio Lower Upper
43 100
58 40.0 21.2 31.8#



#17
Carbon Disulfide
Concen: 0.267 ug/l
RT: 2.508 min Scan# 233
Delta R.T. 0.006 min
Lab File: VX046465.D
Acq: 03 Jun 2025 12:13

Tgt Ion: 76 Resp: 543
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#

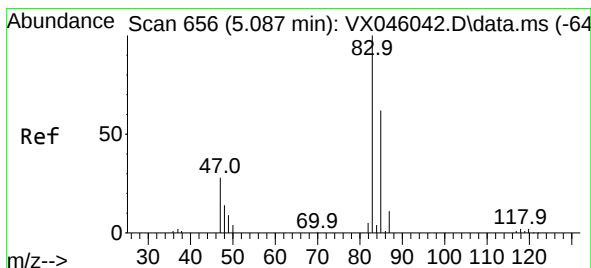
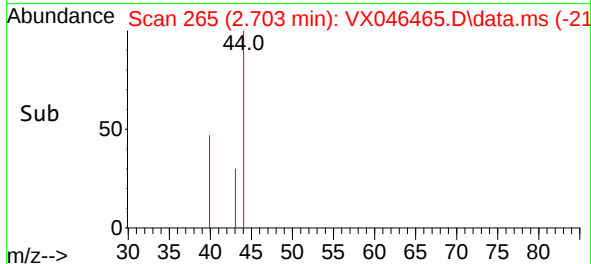
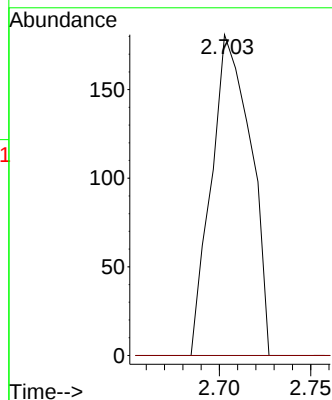
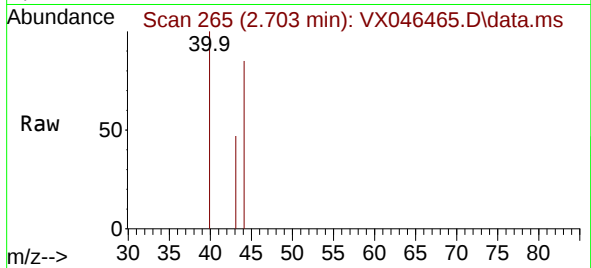




#18
Methyl Acetate
Concen: 0.216 ug/l
RT: 2.703 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX046465.D
Acq: 03 Jun 2025 12:13

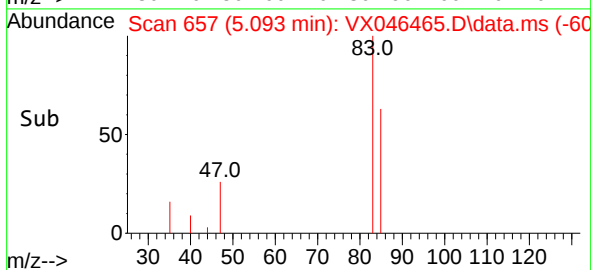
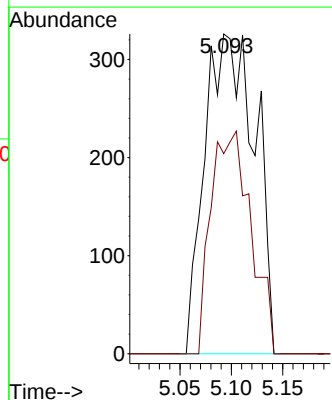
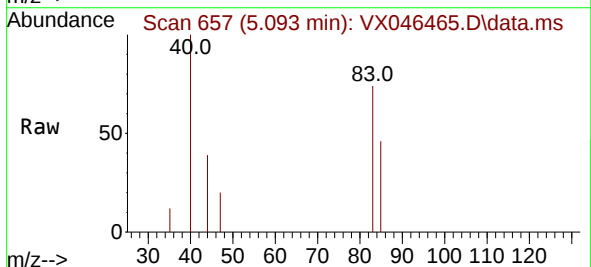
Instrument :
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ClientSampleId :
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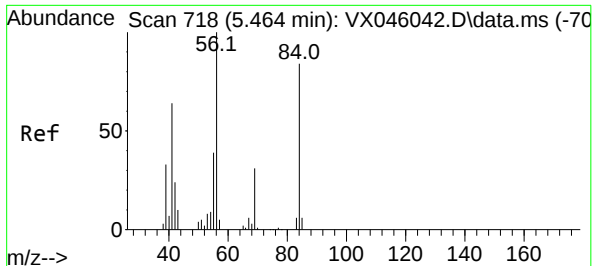
Tgt Ion: 43 Resp: 271
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#30
Chloroform
Concen: 0.604 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX046465.D
Acq: 03 Jun 2025 12:13

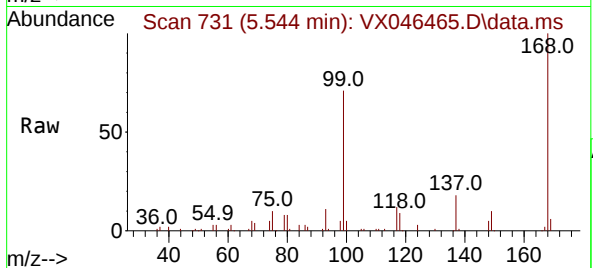
Tgt Ion: 83 Resp: 1110
Ion Ratio Lower Upper
83 100
85 62.6 49.3 73.9



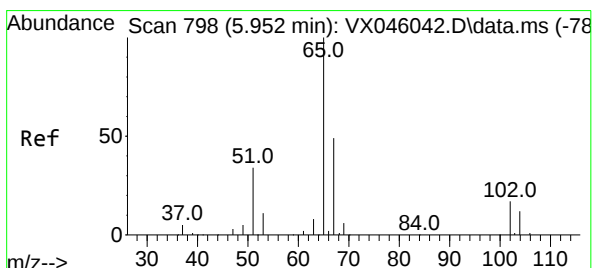
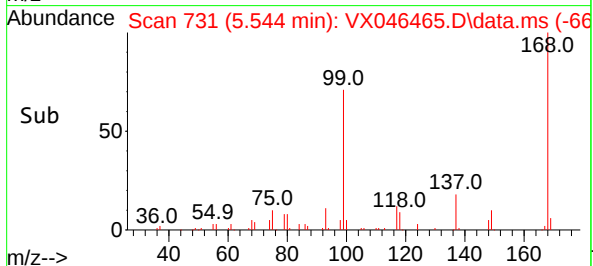
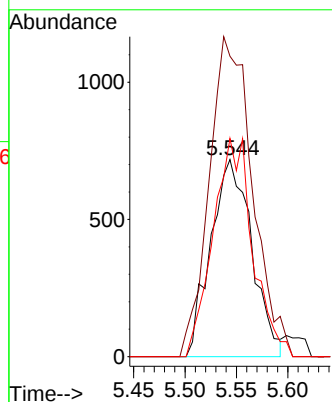


#31
Cyclohexane
Concen: 1.242 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX046465.D
Acq: 03 Jun 2025 12:13

Instrument :
MSVOA_X
ClientSampleId :
VPB182-HYD-20250530

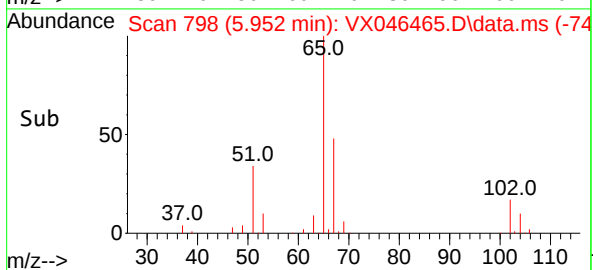
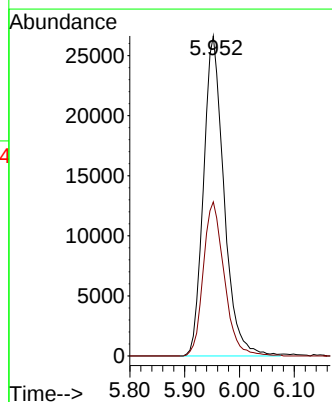
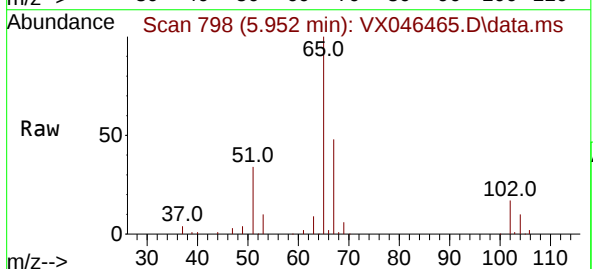


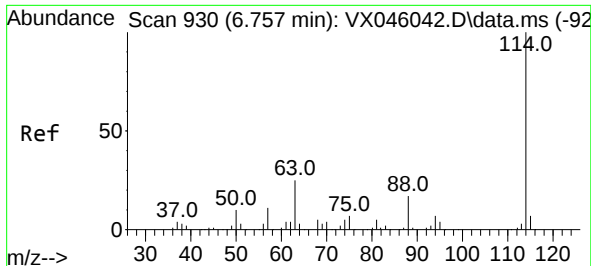
Tgt Ion: 56 Resp: 1994
Ion Ratio Lower Upper
56 100
69 152.5 24.4 36.6#
84 110.7 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 51.232 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX046465.D
Acq: 03 Jun 2025 12:13

Tgt Ion: 65 Resp: 69043
Ion Ratio Lower Upper
65 100
67 49.4 0.0 99.0

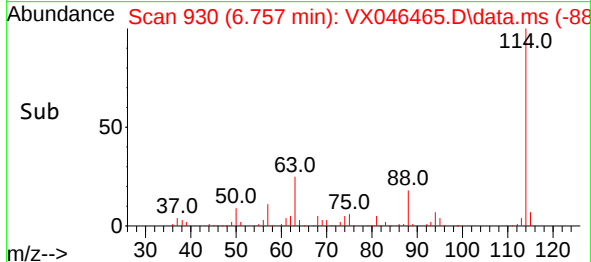
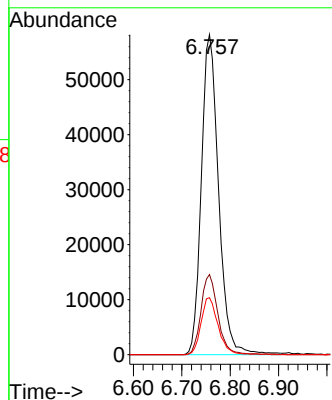
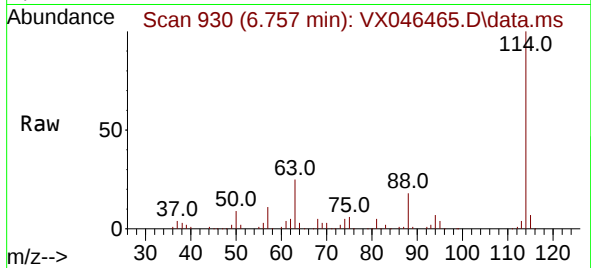




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX046465.D
Acq: 03 Jun 2025 12:13

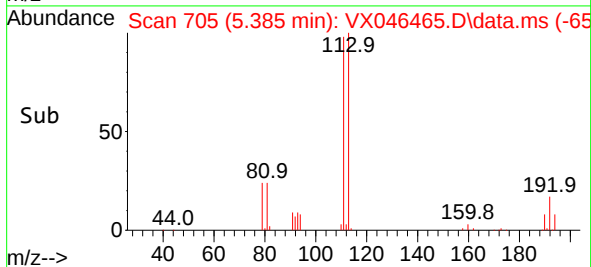
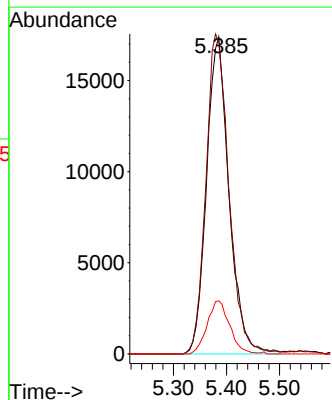
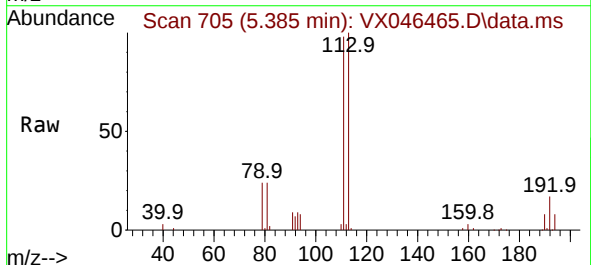
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Tgt Ion:114 Resp: 144078
Ion Ratio Lower Upper
114 100
63 25.1 0.0 49.2
88 17.8 0.0 33.6



#35
Dibromofluoromethane
Concen: 49.247 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX046465.D
Acq: 03 Jun 2025 12:13

Tgt Ion:113 Resp: 51094
Ion Ratio Lower Upper
113 100
111 103.4 83.1 124.7
192 16.7 13.3 19.9

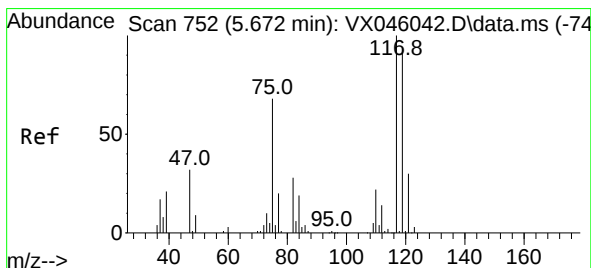
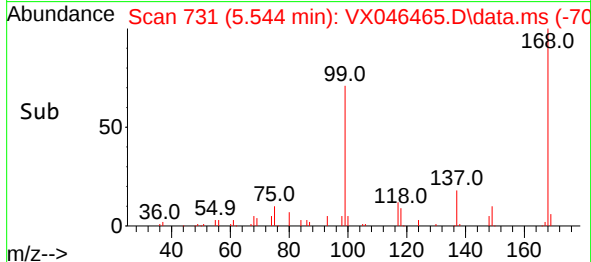
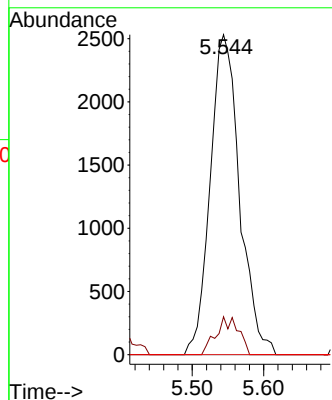
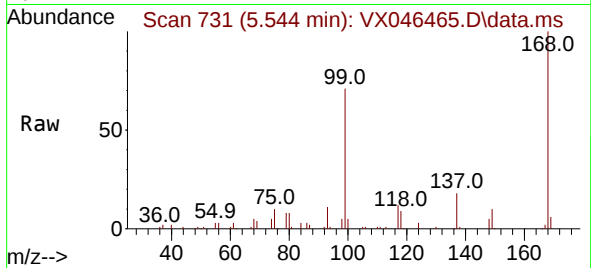




#36
1,1-Dichloropropene
Concen: 5.185 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX046465.D
Acq: 03 Jun 2025 12:13

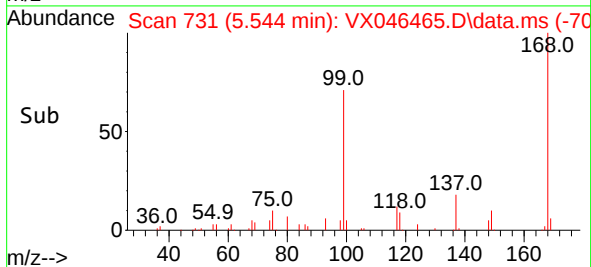
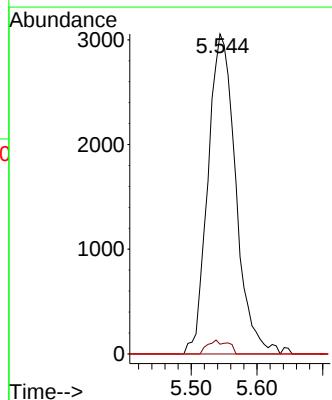
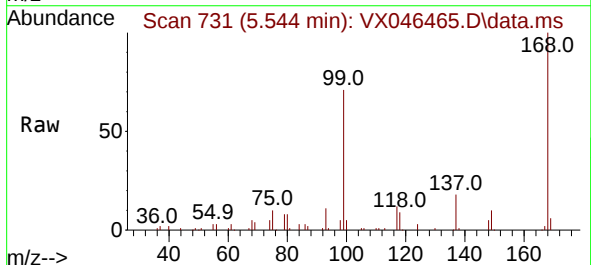
Instrument :
MSVOA_X
ClientSampleId :
VPB182-HYD-20250530

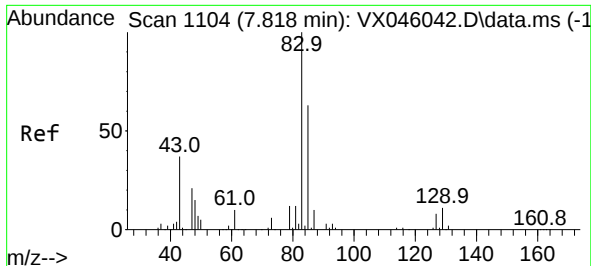
Tgt Ion: 75 Resp: 7228
Ion Ratio Lower Upper
75 100
110 9.0 16.3 48.9#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.729 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX046465.D
Acq: 03 Jun 2025 12:13

Tgt Ion: 117 Resp: 8974
Ion Ratio Lower Upper
117 100
119 3.0 75.2 112.8#
121 0.0 24.2 36.4#

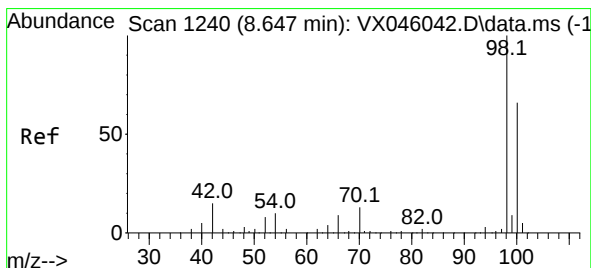
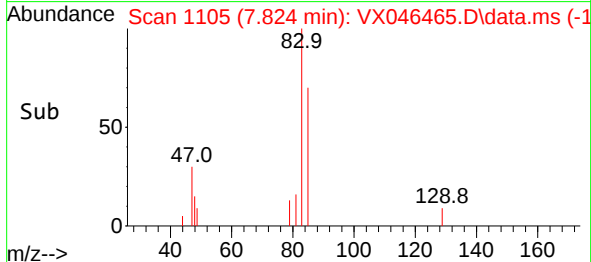
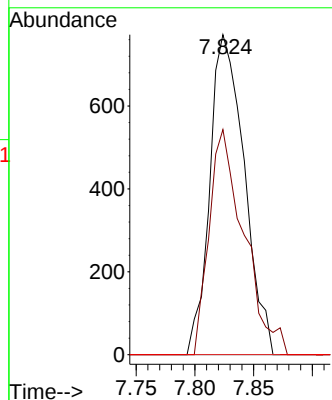
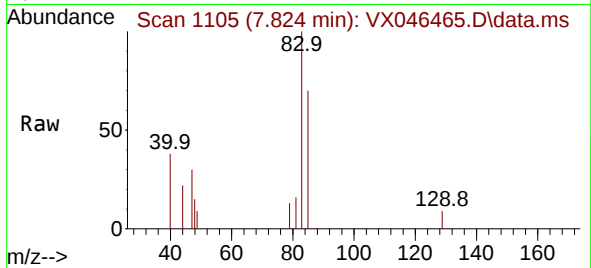




#47
Bromodichloromethane
Concen: 0.997 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VX046465.D
Acq: 03 Jun 2025 12:13

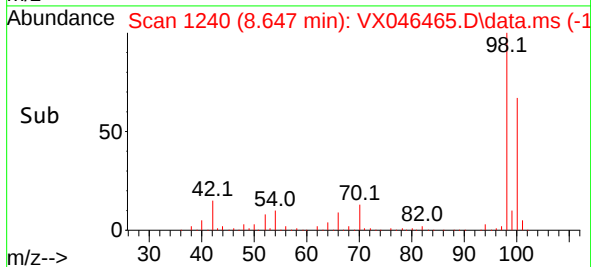
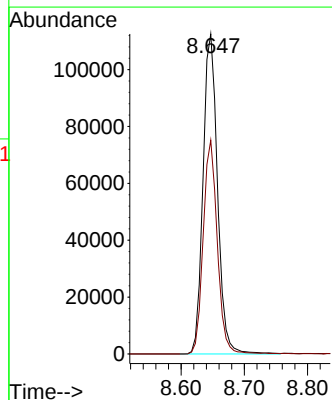
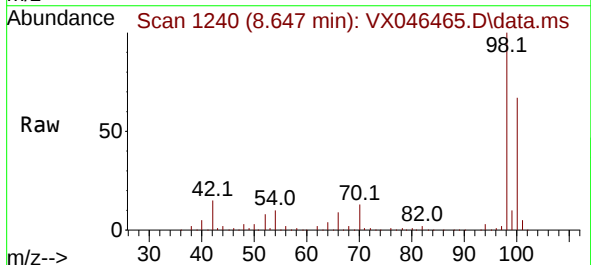
Instrument :
MSVOA_X
ClientSampleId :
VPB182-HYD-20250530

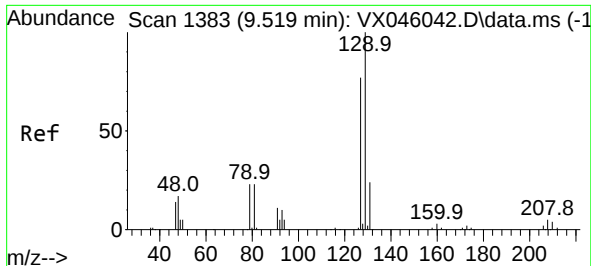
Tgt Ion: 83 Resp: 1573
Ion Ratio Lower Upper
83 100
85 70.3 50.5 75.7
127 0.0 6.5 9.7#



#50
Toluene-d8
Concen: 49.986 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046465.D
Acq: 03 Jun 2025 12:13

Tgt Ion: 98 Resp: 179500
Ion Ratio Lower Upper
98 100
100 65.1 53.5 80.3

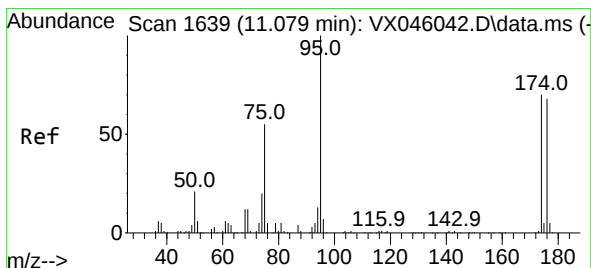
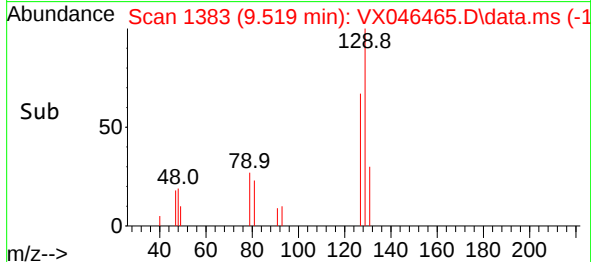
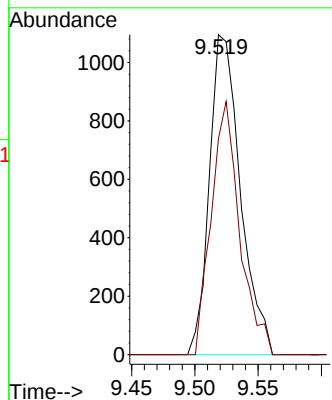
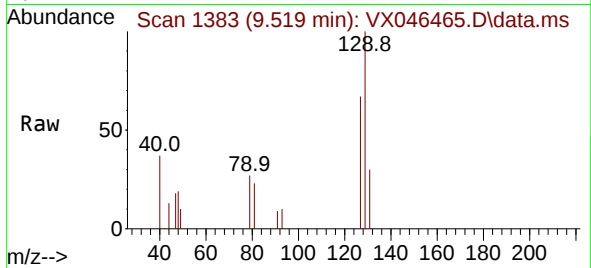




#60
Dibromochloromethane
Concen: 1.722 ug/l
RT: 9.519 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046465.D
Acq: 03 Jun 2025 12:13

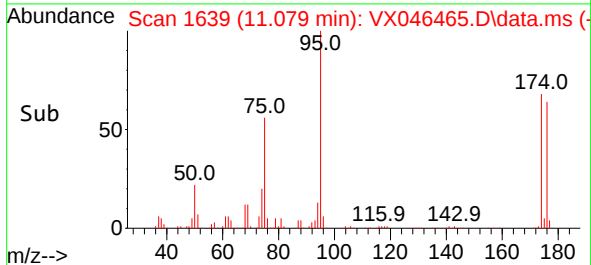
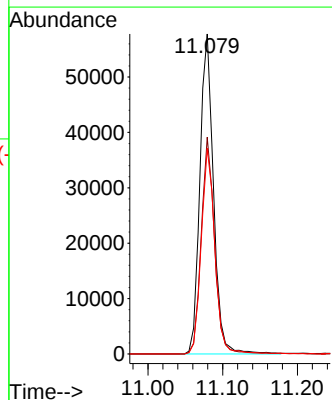
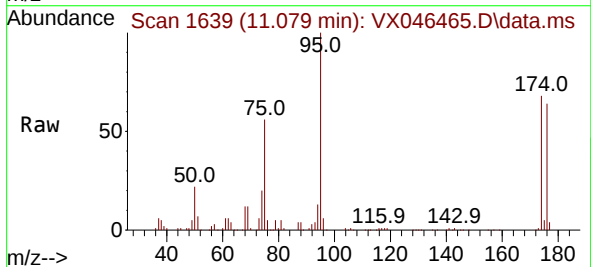
Instrument :
MSVOA_X
ClientSampleId :
VPB182-HYD-20250530

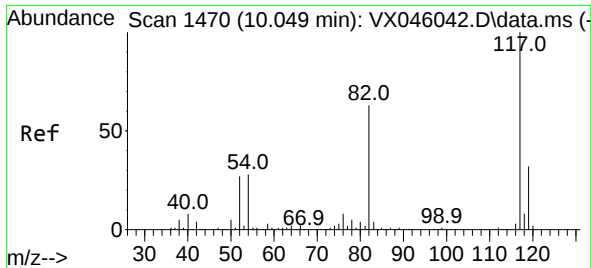
Tgt Ion:129 Resp: 1867
Ion Ratio Lower Upper
129 100
127 72.7 39.3 117.8



#62
4-Bromofluorobenzene
Concen: 52.973 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046465.D
Acq: 03 Jun 2025 12:13

Tgt Ion: 95 Resp: 72967
Ion Ratio Lower Upper
95 100
174 66.2 0.0 135.8
176 64.5 0.0 131.4

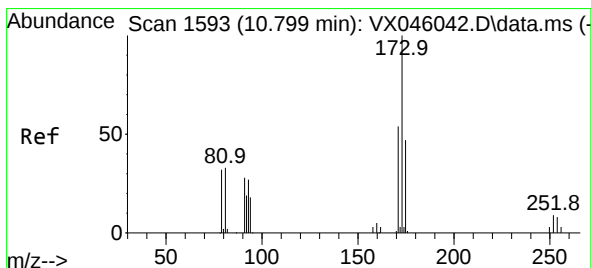
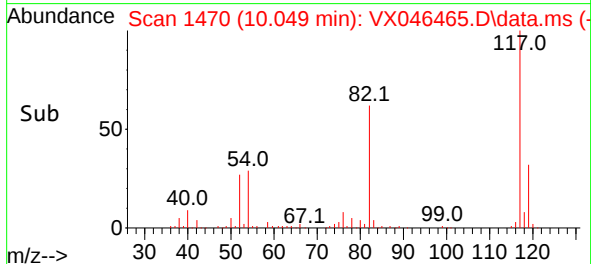
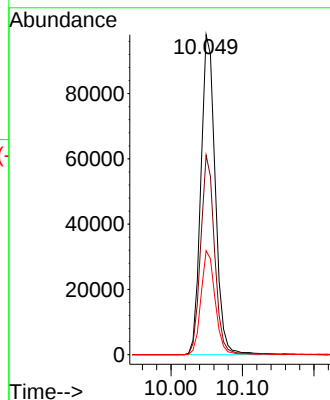
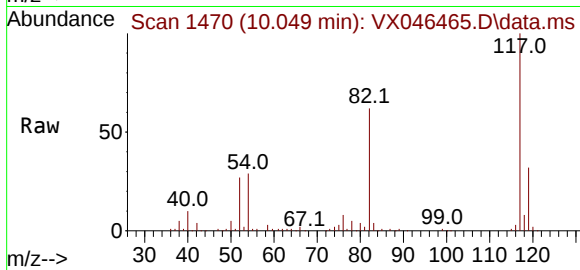




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046465.D
Acq: 03 Jun 2025 12:13

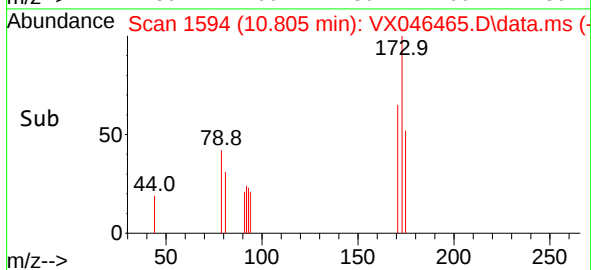
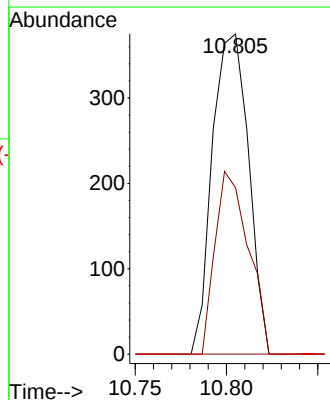
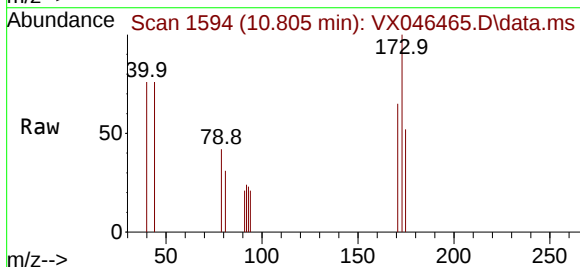
Instrument :
MSVOA_X
ClientSampleId :
VPB182-HYD-20250530

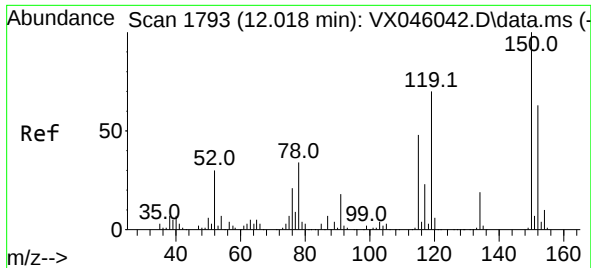
Tgt Ion:117 Resp: 137138
Ion Ratio Lower Upper
117 100
82 62.4 50.6 76.0
119 32.5 25.8 38.6



#71
Bromoform
Concen: 0.673 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. 0.006 min
Lab File: VX046465.D
Acq: 03 Jun 2025 12:13

Tgt Ion:173 Resp: 518
Ion Ratio Lower Upper
173 100
175 52.5 23.4 70.0
254 0.0 0.0 0.0

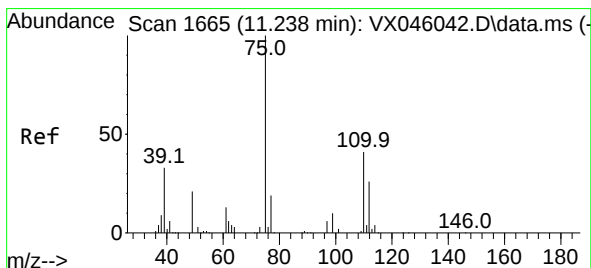
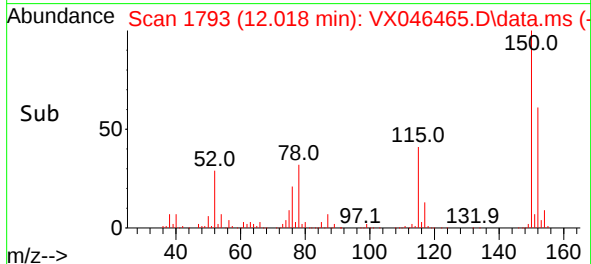
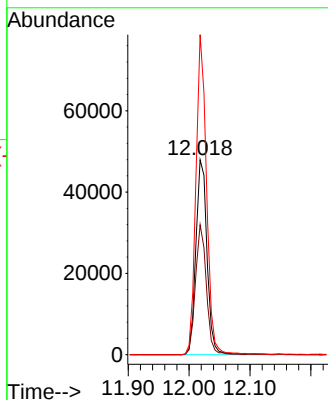
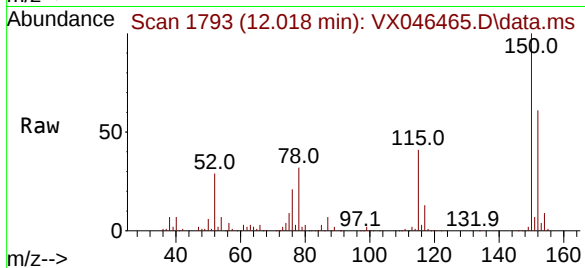




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046465.D
Acq: 03 Jun 2025 12:13

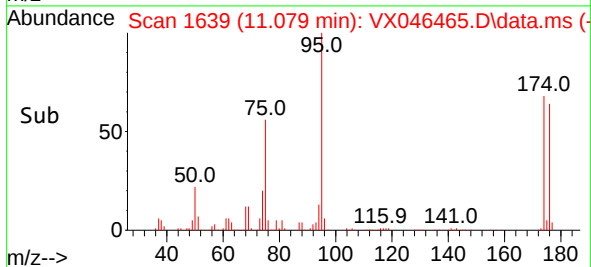
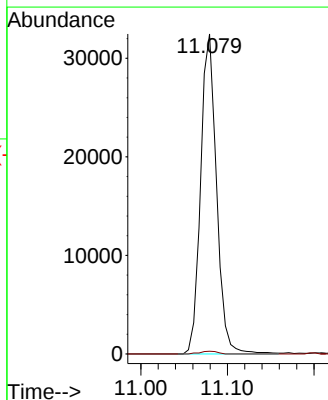
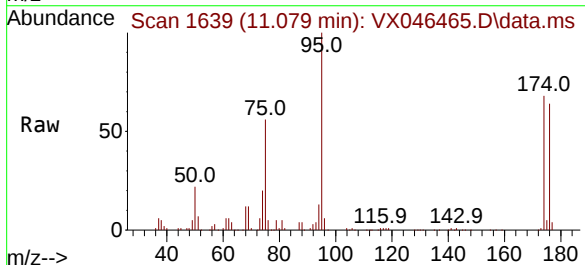
Instrument :
MSVOA_X
ClientSampleId :
VPB182-HYD-20250530

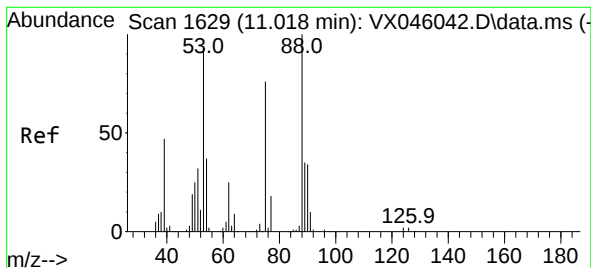
Tgt Ion:152 Resp: 61107
Ion Ratio Lower Upper
152 100
115 64.6 46.9 140.7
150 156.0 0.0 351.0



#76
1,2,3-Trichloropropane
Concen: 28.181 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046465.D
Acq: 03 Jun 2025 12:13

Tgt Ion: 75 Resp: 41451
Ion Ratio Lower Upper
75 100
77 0.9 20.5 61.5#





#81

trans-1,4-Dichloro-2-butene

Concen: 91.749 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.061 min

Lab File: VX046465.D

Acq: 03 Jun 2025 12:13

Instrument :

MSVOA_X

ClientSampleId :

VPB182-HYD-20250530

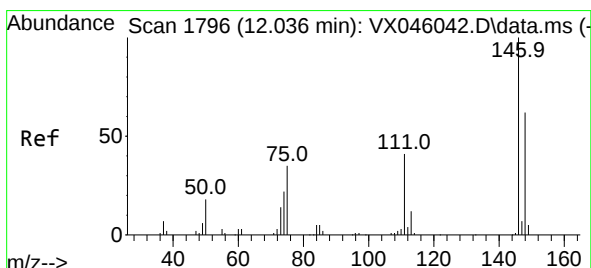
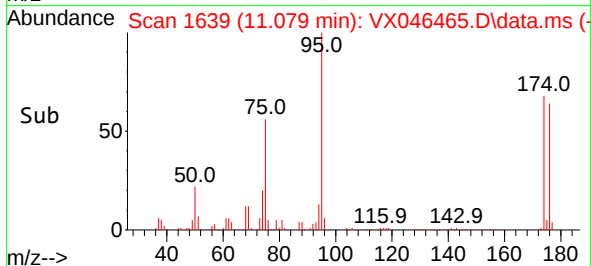
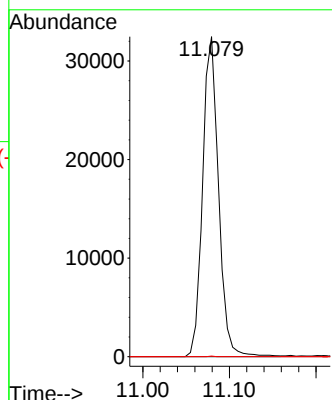
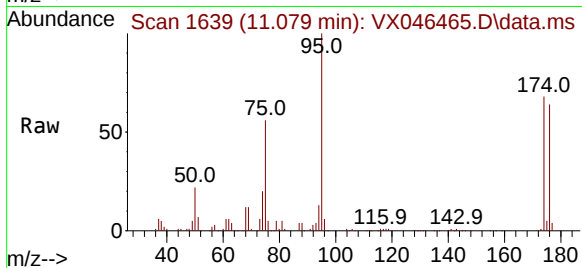
Tgt Ion: 75 Resp: 41451

Ion Ratio Lower Upper

75 100

53 0.0 100.5 150.7#

89 0.1 37.0 55.6#



#88

1,4-Dichlorobenzene

Concen: 0.213 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX046465.D

Acq: 03 Jun 2025 12:13

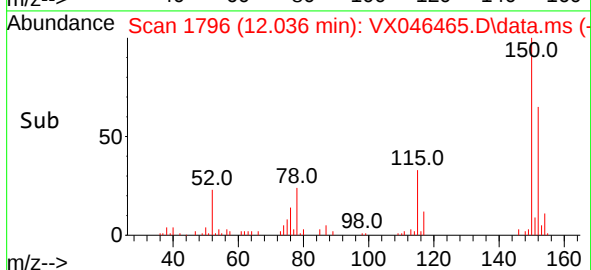
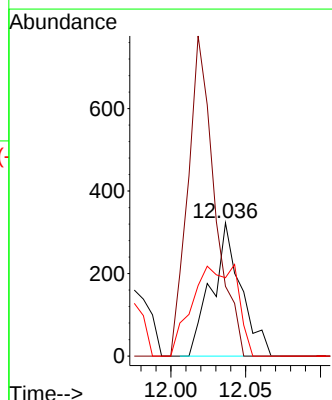
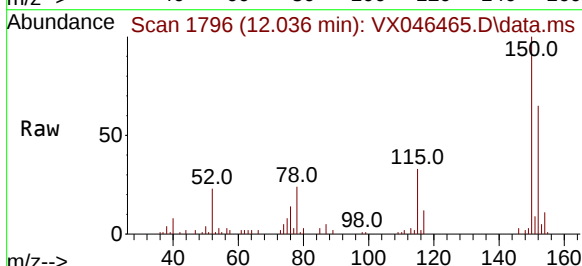
Tgt Ion:146 Resp: 439

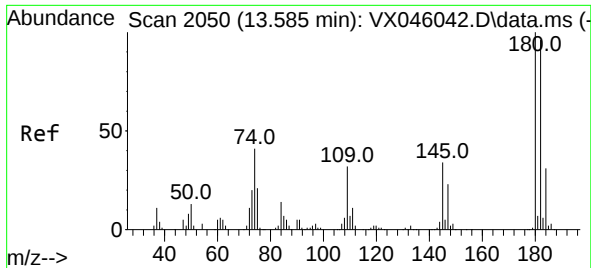
Ion Ratio Lower Upper

146 100

111 0.0 21.3 63.9#

148 104.6 31.9 95.5#

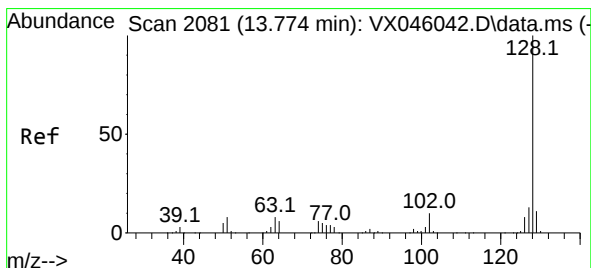
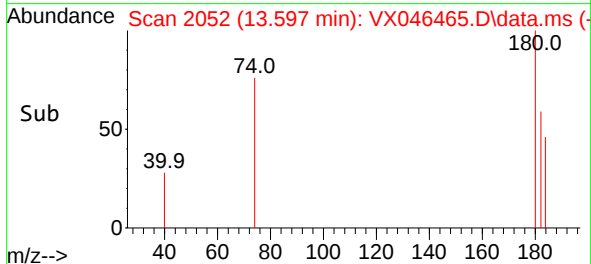
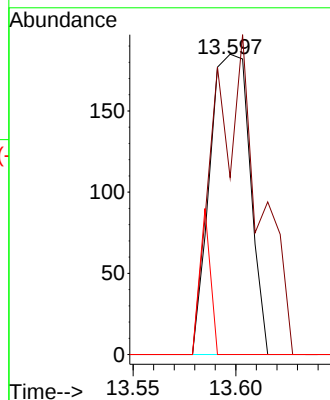
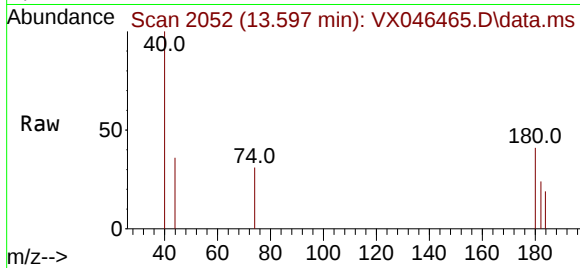




#93
1,2,4-Trichlorobenzene
Concen: 0.216 ug/l
RT: 13.597 min Scan# 2052
Delta R.T. 0.012 min
Lab File: VX046465.D
Acq: 03 Jun 2025 12:13

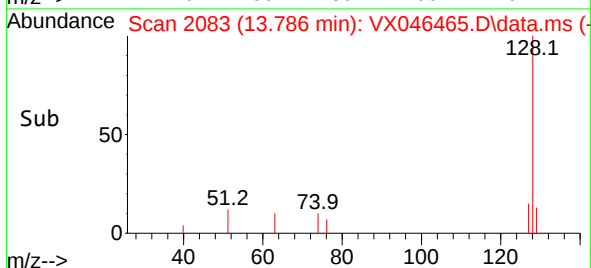
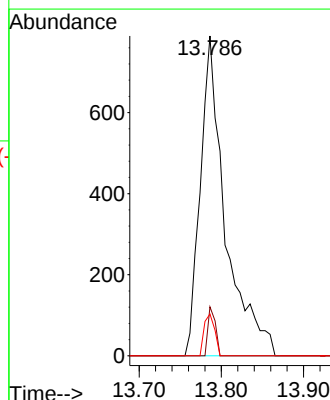
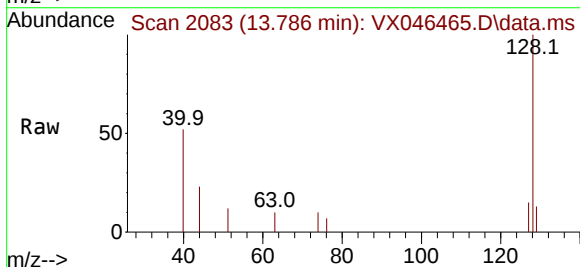
Instrument :
MSVOA_X
ClientSampleId :
VPB182-HYD-20250530

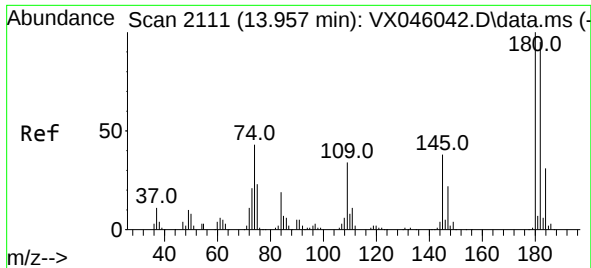
Tgt Ion:180 Resp: 251
Ion Ratio Lower Upper
180 100
182 117.9 47.9 143.8
145 13.1 17.1 51.2#



#95
Naphthalene
Concen: 0.392 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.012 min
Lab File: VX046465.D
Acq: 03 Jun 2025 12:13

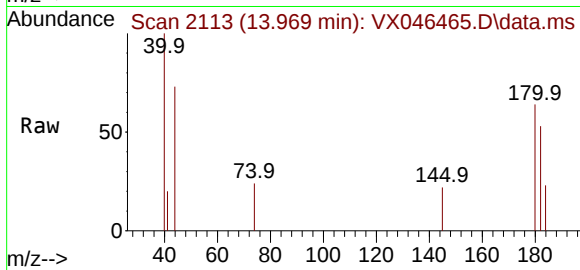
Tgt Ion:128 Resp: 1670
Ion Ratio Lower Upper
128 100
127 4.6 10.4 15.6#
129 5.5 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.321 ug/l
 RT: 13.969 min Scan# 2113
 Delta R.T. 0.012 min
 Lab File: VX046465.D
 Acq: 03 Jun 2025 12:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VPB182-HYD-20250530



Tgt Ion:180 Resp: 385
 Ion Ratio Lower Upper
 180 100
 182 99.0 47.8 143.3
 145 13.8 18.1 54.3#

