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 Data File : VX047184.D
 Acq On : 30 Jul 2025 13:58
 Operator : JC/MD
 Sample : PB169042TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

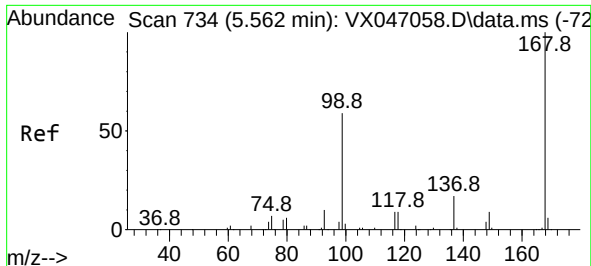
Instrument :
 MSVOA_X
 ClientSampleId :
 PB169042TB

Quant Time: Jul 31 03:16:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	291054	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	495339	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	439255	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	223771	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	166727	45.986	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.980%		
35) Dibromofluoromethane	5.397	113	140290	45.871	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.740%		
50) Toluene-d8	8.653	98	434624	43.881	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	87.760%#		
62) 4-Bromofluorobenzene	11.079	95	200565	46.989	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.980%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.642	94	1070	0.479	ug/l #	74
8) Diethyl Ether	2.148	74	861	0.398	ug/l	76
10) Methyl Iodide	2.477	142	3572	0.949	ug/l #	80
11) Tert butyl alcohol	2.953	59	616	Below Cal	#	72
13) Acrolein	2.258	56	182	0.233	ug/l #	1
14) Allyl chloride	2.715	41	2219	0.336	ug/l #	40
16) Acetone	2.392	43	52769	36.332	ug/l	99
17) Carbon Disulfide	2.532	76	3203	0.303	ug/l	97
18) Methyl Acetate	2.715	43	27925	7.235	ug/l	99
20) Methylene Chloride	2.806	84	16598	4.154	ug/l	97
25) 2-Butanone	4.599	43	9769	4.619	ug/l	93
31) Cyclohexane	5.556	56	6449	0.951	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	24843	4.765	ug/l #	44
37) Ethyl Acetate	4.739	43	15998	3.330	ug/l #	90
38) Carbon Tetrachloride	5.562	117	31146	5.598	ug/l #	14
43) Isopropyl Acetate	6.354	43	14079	1.880	ug/l	97
48) Methyl methacrylate	7.799	41	117662	28.840	ug/l #	46
49) 1,4-Dioxane	7.702	88	165	3.556	ug/l #	20
51) 4-Methyl-2-Pentanone	8.549	43	160082	35.962	ug/l #	49
54) cis-1,3-Dichloropropene	8.549	75	74016	12.697	ug/l #	60
57) 1,3-Dichloropropane	9.482	76	5077	0.840	ug/l #	43
59) 2-Hexanone	9.378	43	22363	7.604	ug/l #	25
74) N-amyl acetate	10.640	43	26309	3.693	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	104792	25.301	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	104792	65.184	ug/l #	8
94) Hexachlorobutadiene	13.725	225	1353	0.783	ug/l	91
95) Naphthalene	13.780	128	3298	0.221	ug/l #	93
96) 1,2,3-Trichlorobenzene	13.963	180	1071	0.219	ug/l	83

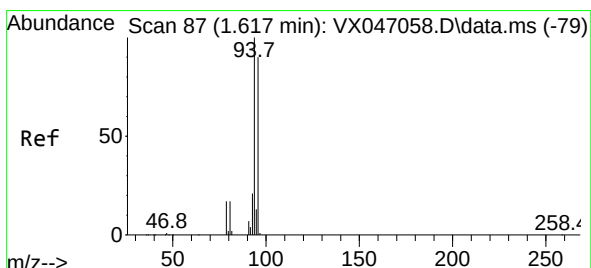
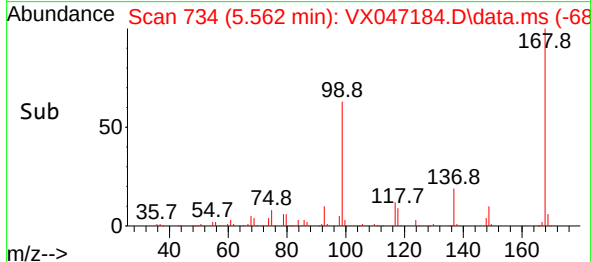
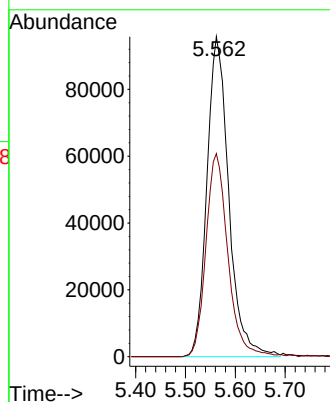
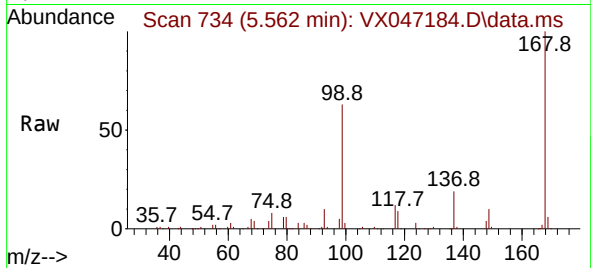
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047184.D
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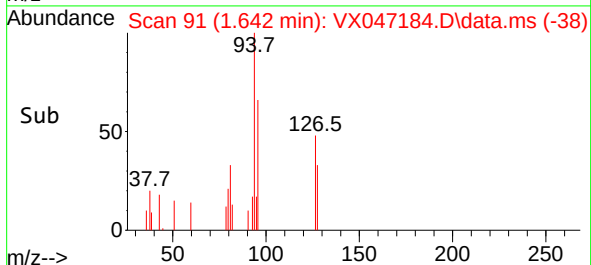
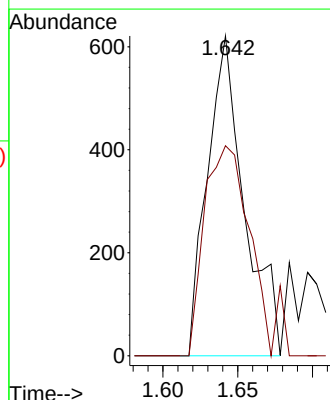
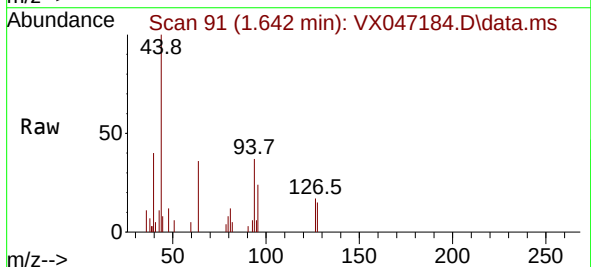
Instrument :
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PB169042TB

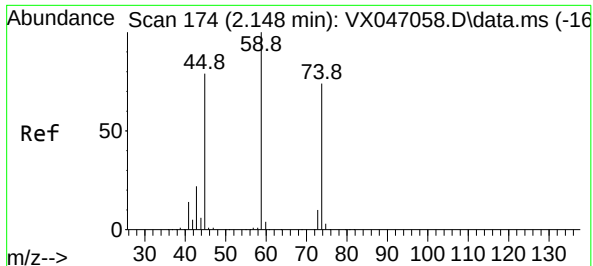
Tgt Ion:168 Resp: 291054
Ion Ratio Lower Upper
168 100
99 63.5 48.0 72.0



#5
Bromomethane
Concen: 0.479 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.025 min
Lab File: VX047184.D
Acq: 30 Jul 2025 13:58

Tgt Ion: 94 Resp: 1070
Ion Ratio Lower Upper
94 100
96 65.7 72.3 108.5#

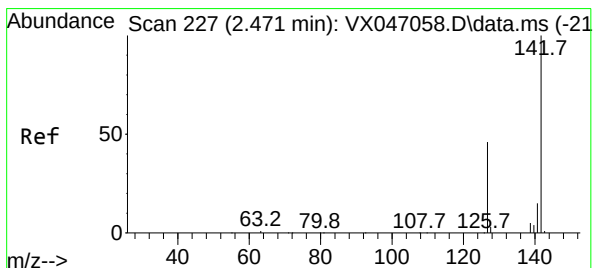
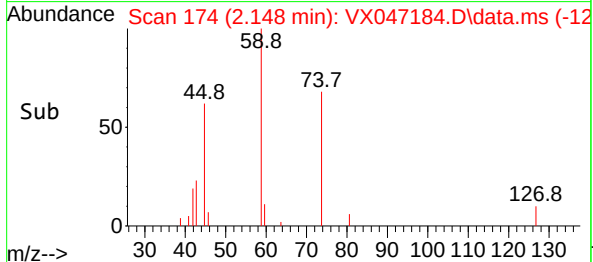
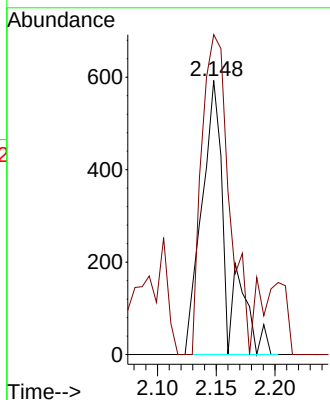
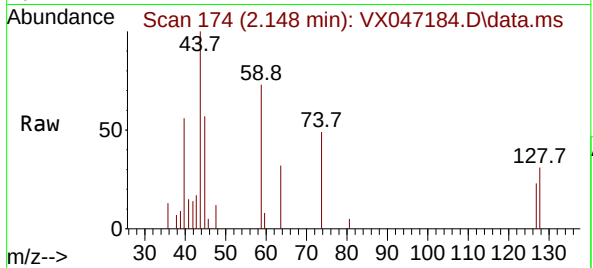




#8
Diethyl Ether
Concen: 0.398 ug/l
RT: 2.148 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047184.D
Acq: 30 Jul 2025 13:58

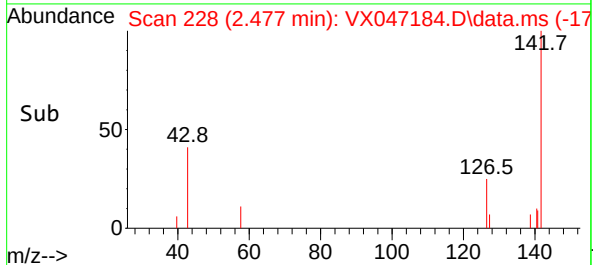
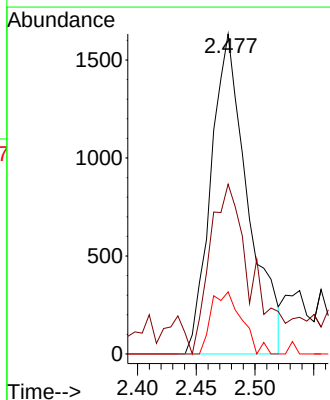
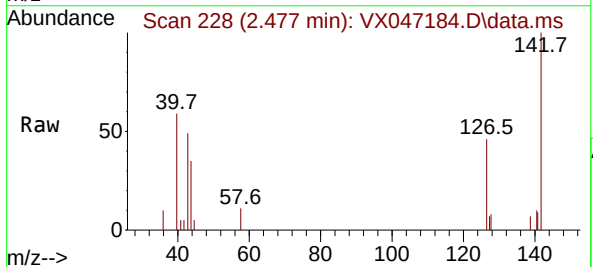
Instrument :
MSVOA_X
ClientSampleId :
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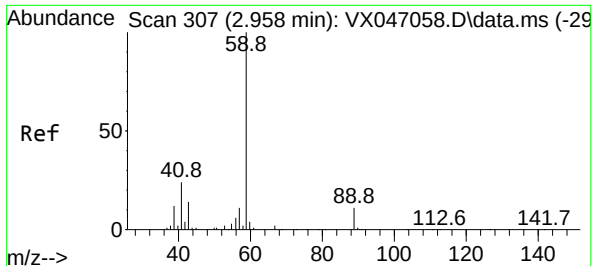
Tgt Ion: 74 Resp: 861
Ion Ratio Lower Upper
74 100
45 131.0 53.0 159.0



#10
Methyl Iodide
Concen: 0.949 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.006 min
Lab File: VX047184.D
Acq: 30 Jul 2025 13:58

Tgt Ion: 142 Resp: 3572
Ion Ratio Lower Upper
142 100
127 61.4 36.6 54.8#
141 16.1 10.9 16.3

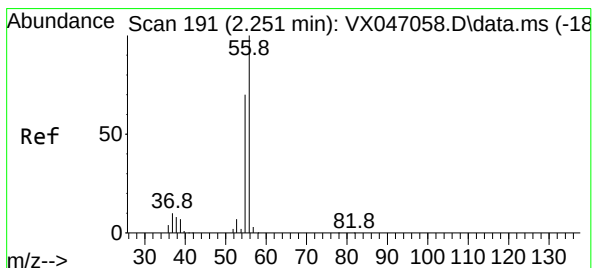
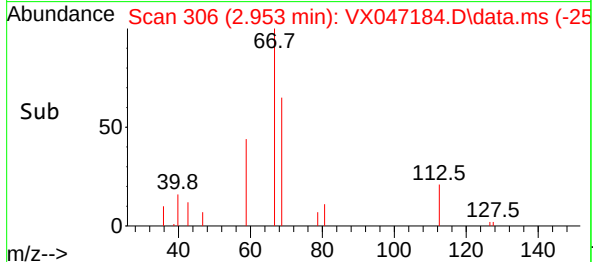
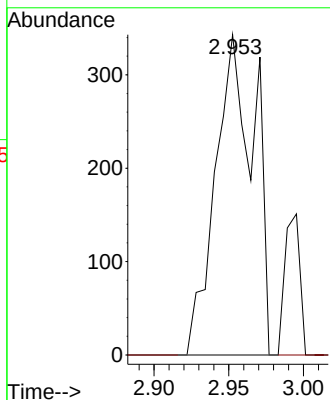
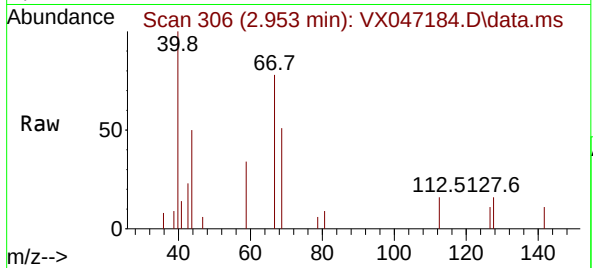




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 307
Delta R.T. -0.005 min
Lab File: VX047184.D
Acq: 30 Jul 2025 13:58

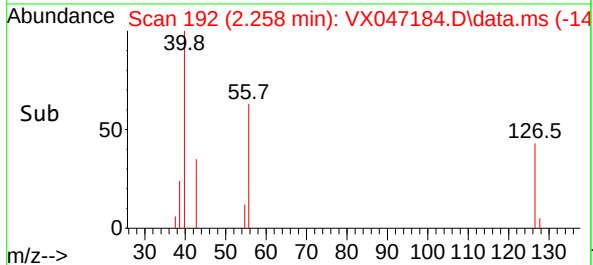
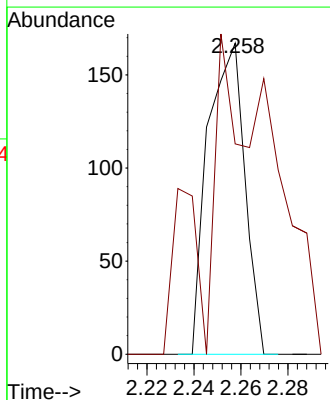
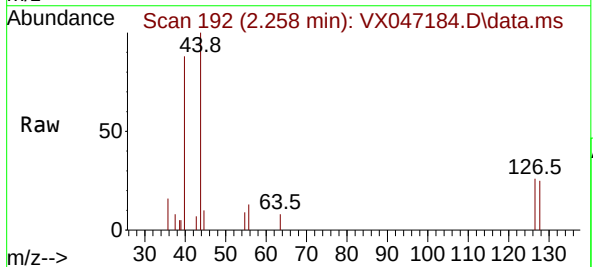
Instrument :
MSVOA_X
ClientSampleId :
PB169042TB

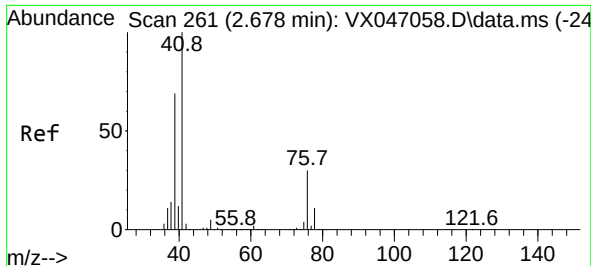
Tgt Ion: 59 Resp: 616
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#13
Acrolein
Concen: 0.233 ug/l
RT: 2.258 min Scan# 192
Delta R.T. 0.006 min
Lab File: VX047184.D
Acq: 30 Jul 2025 13:58

Tgt Ion: 56 Resp: 182
Ion Ratio Lower Upper
56 100
55 191.2 55.7 83.5#

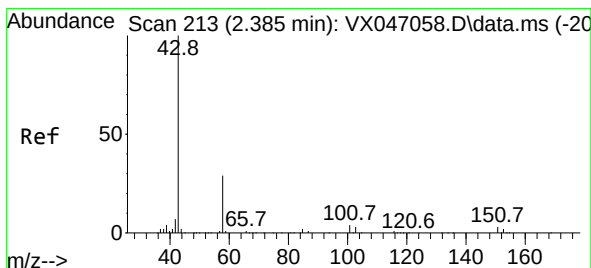
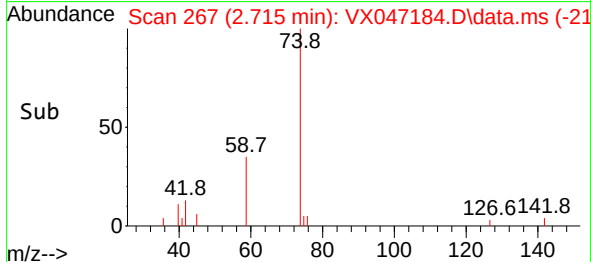
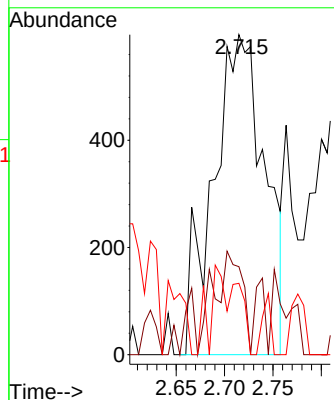
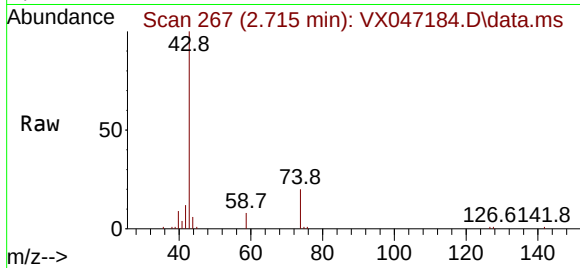




#14
 Allyl chloride
 Concen: 0.336 ug/l
 RT: 2.715 min Scan# 214
 Delta R.T. 0.037 min
 Lab File: VX047184.D
 Acq: 30 Jul 2025 13:58

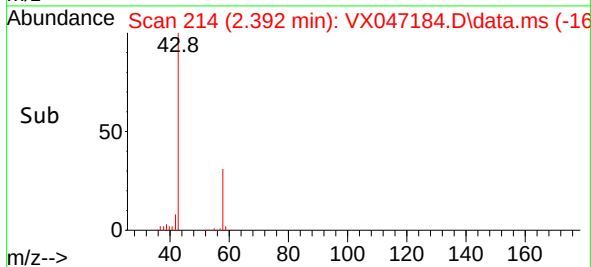
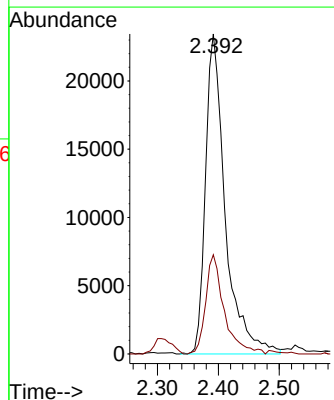
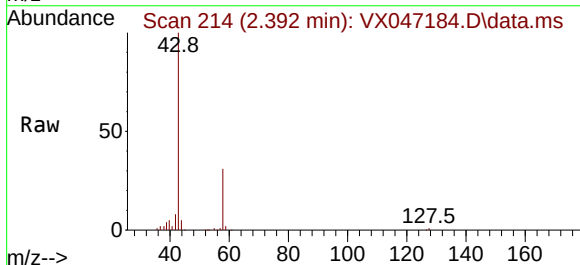
Instrument :
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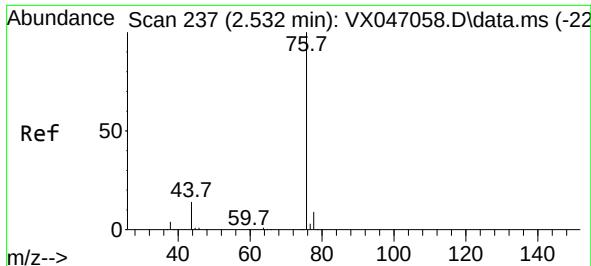
Tgt Ion: 41 Resp: 2219
 Ion Ratio Lower Upper
 41 100
 39 17.7 52.6 78.8#
 76 0.0 25.7 38.5#



#16
 Acetone
 Concen: 36.332 ug/l
 RT: 2.392 min Scan# 214
 Delta R.T. 0.006 min
 Lab File: VX047184.D
 Acq: 30 Jul 2025 13:58

Tgt Ion: 43 Resp: 52769
 Ion Ratio Lower Upper
 43 100
 58 30.6 24.0 36.0





#17

Carbon Disulfide

Concen: 0.303 ug/l

RT: 2.532 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX047184.D

Acq: 30 Jul 2025 13:58

Instrument :

MSVOA_X

ClientSampleId :

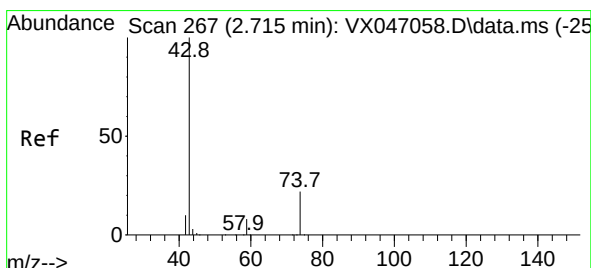
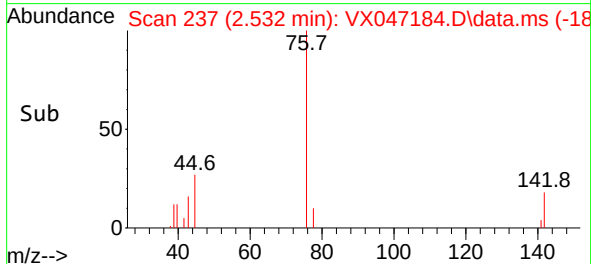
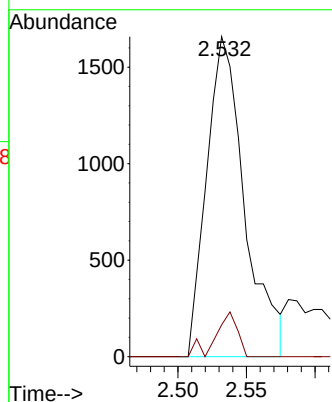
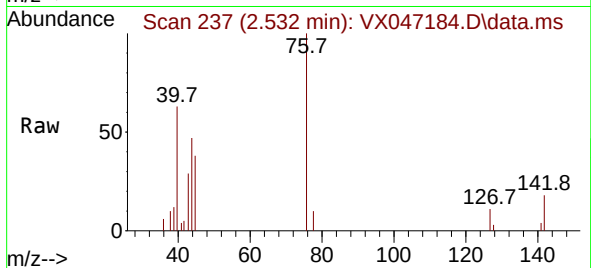
PB169042TB

Tgt Ion: 76 Resp: 3203

Ion Ratio Lower Upper

76 100

78 10.0 7.0 10.4



#18

Methyl Acetate

Concen: 7.235 ug/l

RT: 2.715 min Scan# 267

Delta R.T. 0.000 min

Lab File: VX047184.D

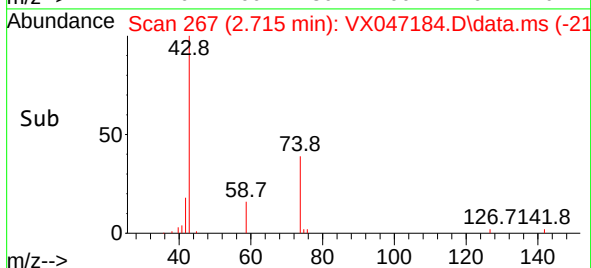
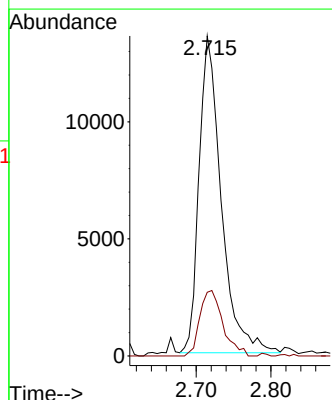
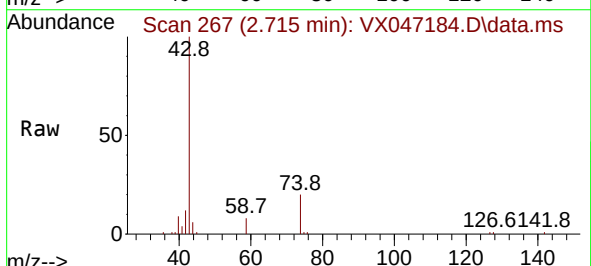
Acq: 30 Jul 2025 13:58

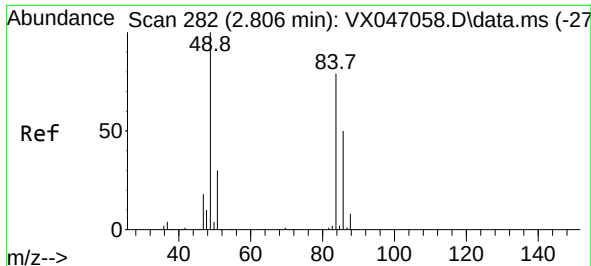
Tgt Ion: 43 Resp: 27925

Ion Ratio Lower Upper

43 100

74 21.4 17.7 26.5

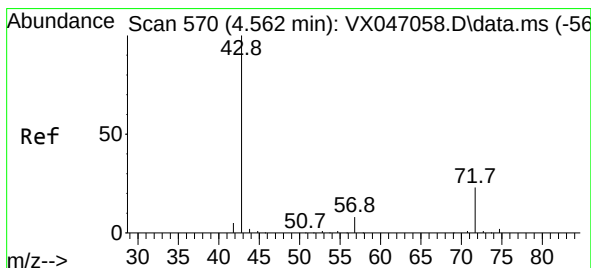
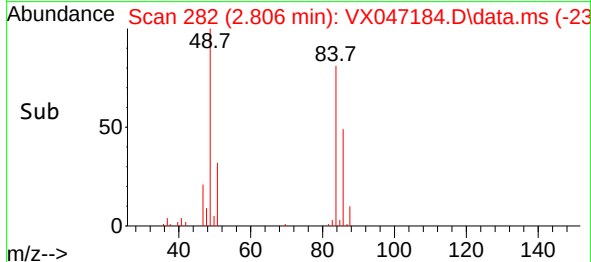
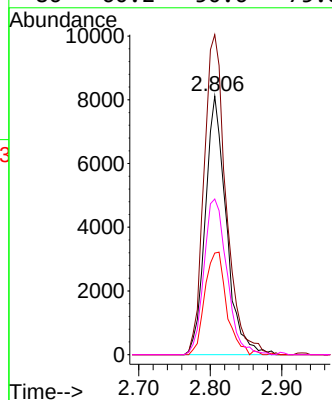
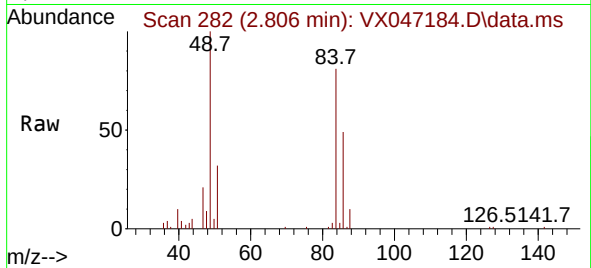




#20
Methylene Chloride
Concen: 4.154 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047184.D
Acq: 30 Jul 2025 13:58

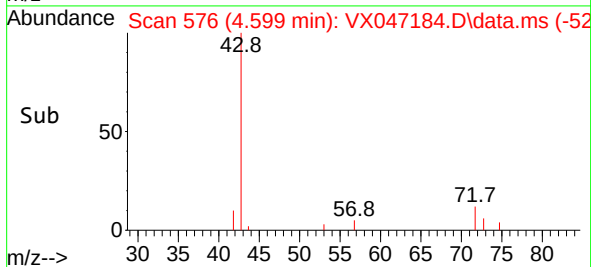
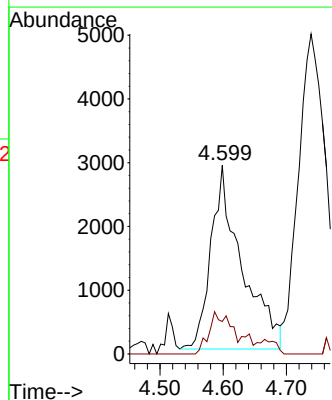
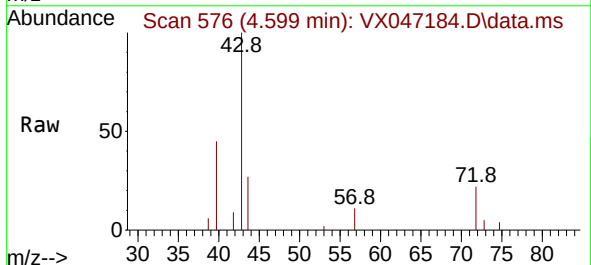
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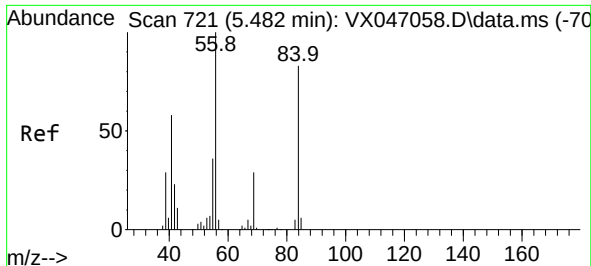
Tgt Ion: 84	Resp: 16598		
Ion	Ratio	Lower	Upper
84	100		
49	123.8	101.6	152.4
51	39.3	30.3	45.5
86	60.2	50.6	75.8



#25
2-Butanone
Concen: 4.619 ug/l
RT: 4.599 min Scan# 576
Delta R.T. 0.037 min
Lab File: VX047184.D
Acq: 30 Jul 2025 13:58

Tgt Ion: 43	Resp: 9769		
Ion Ratio	Lower	Upper	
43 100			
72 20.2	18.8	28.2	

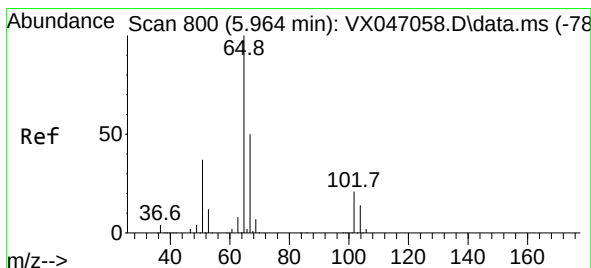
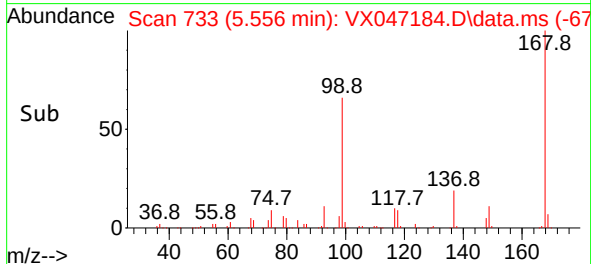
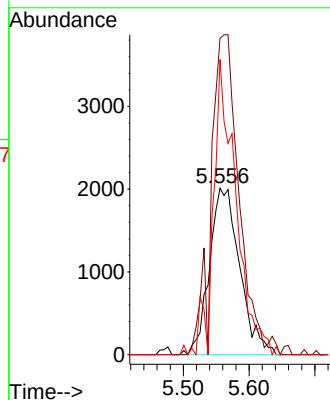
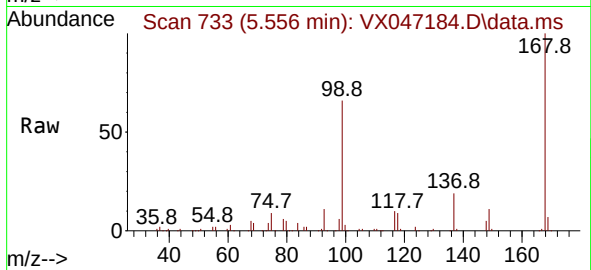




#31
Cyclohexane
Concen: 0.951 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.073 min
Lab File: VX047184.D
Acq: 30 Jul 2025 13:58

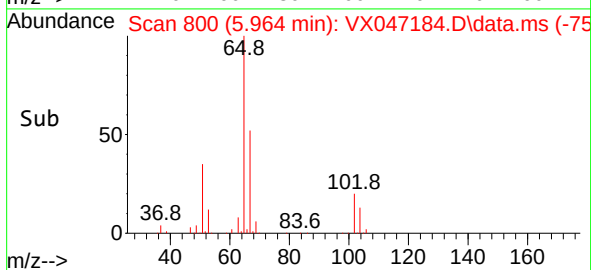
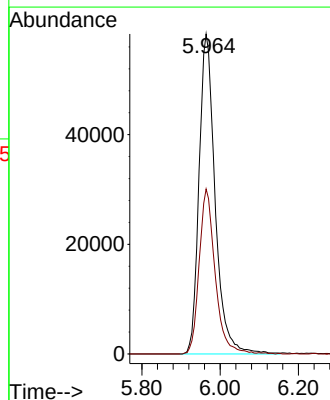
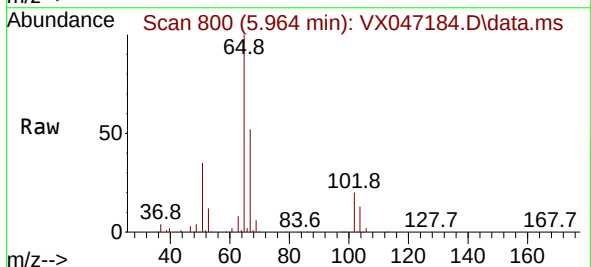
Instrument :
MSVOA_X
ClientSampleId :
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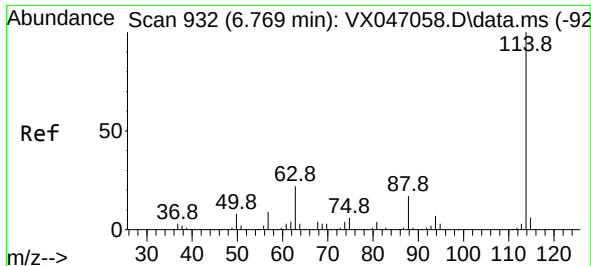
Tgt Ion: 56 Resp: 6449
Ion Ratio Lower Upper
56 100
69 190.2 23.3 34.9#
84 177.4 66.5 99.7#



#33
1,2-Dichloroethane-d4
Concen: 45.986 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047184.D
Acq: 30 Jul 2025 13:58

Tgt Ion: 65 Resp: 166727
Ion Ratio Lower Upper
65 100
67 51.1 0.0 104.8

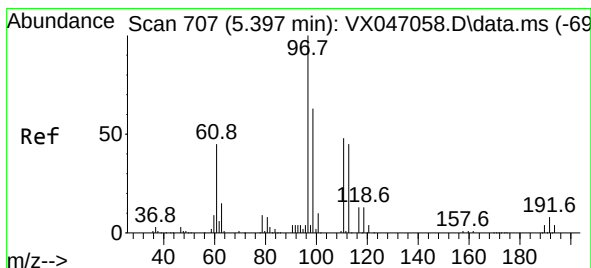
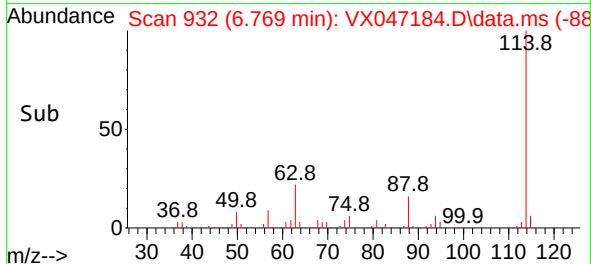
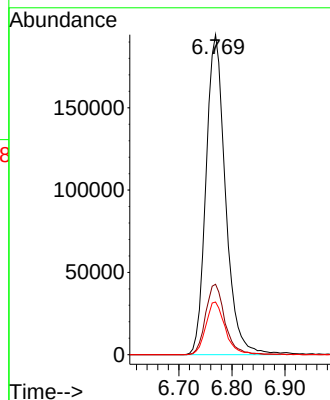
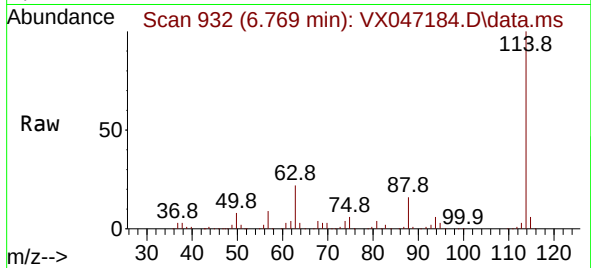




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047184.D
Acq: 30 Jul 2025 13:58

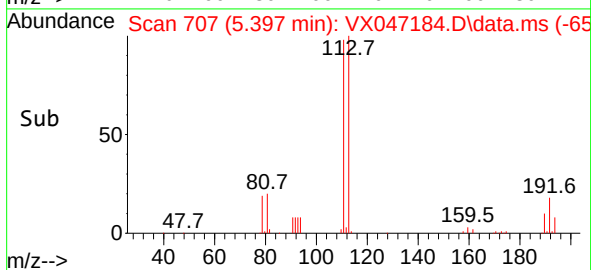
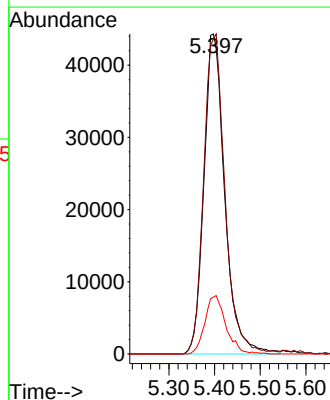
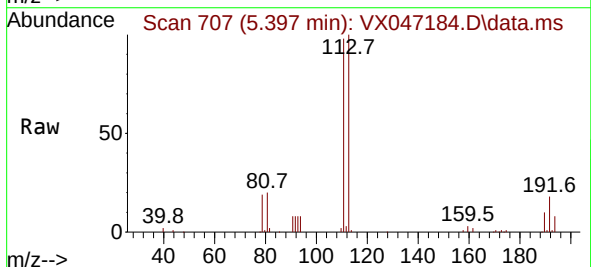
Instrument :
MSVOA_X
ClientSampleId :
PB169042TB

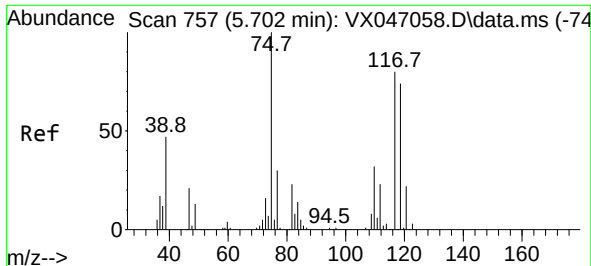
Tgt Ion:114 Resp: 495339
Ion Ratio Lower Upper
114 100
63 22.0 0.0 43.2
88 16.5 0.0 33.8



#35
Dibromofluoromethane
Concen: 45.871 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047184.D
Acq: 30 Jul 2025 13:58

Tgt Ion:113 Resp: 140290
Ion Ratio Lower Upper
113 100
111 101.9 82.6 124.0
192 18.4 14.9 22.3

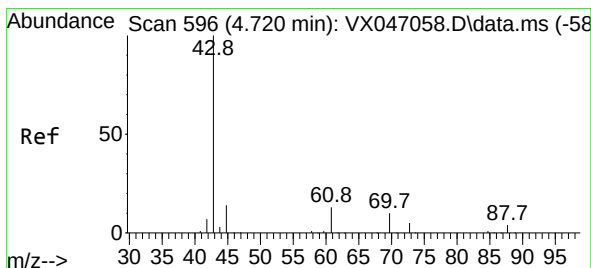
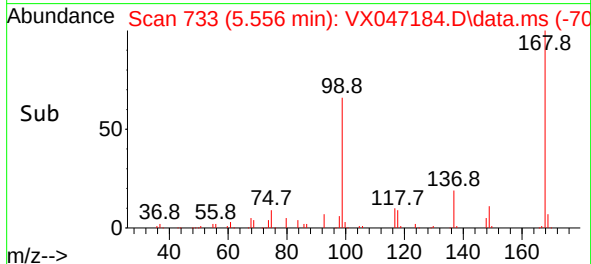
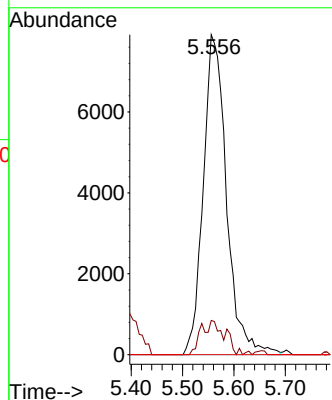
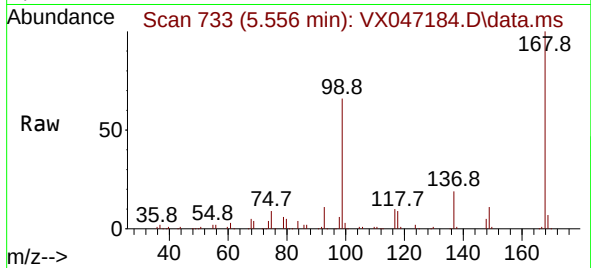




#36
1,1-Dichloropropene
Concen: 4.765 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX047184.D
Acq: 30 Jul 2025 13:58

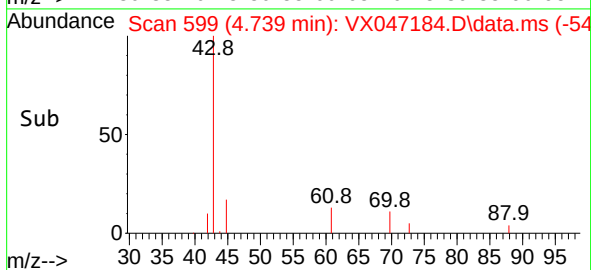
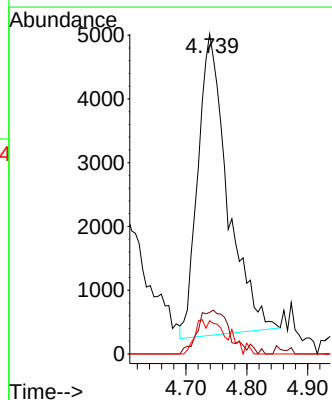
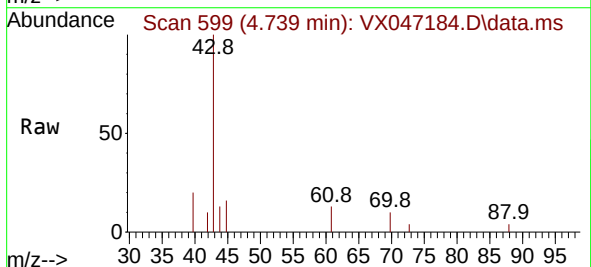
Instrument :
MSVOA_X
ClientSampleId :
PB169042TB

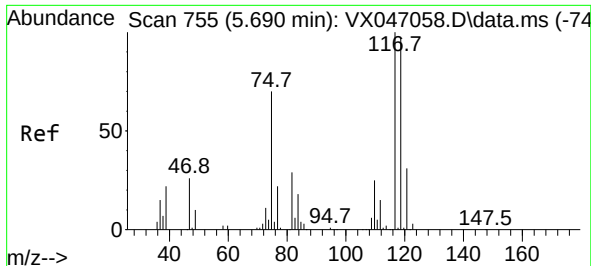
Tgt Ion: 75 Resp: 24843
Ion Ratio Lower Upper
75 100
110 2.6 17.2 51.5#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 3.330 ug/l
RT: 4.739 min Scan# 599
Delta R.T. 0.019 min
Lab File: VX047184.D
Acq: 30 Jul 2025 13:58

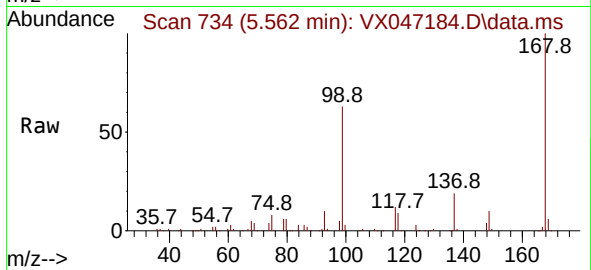
Tgt Ion: 43 Resp: 15998
Ion Ratio Lower Upper
43 100
61 15.1 10.2 15.2
70 4.5 8.1 12.1#



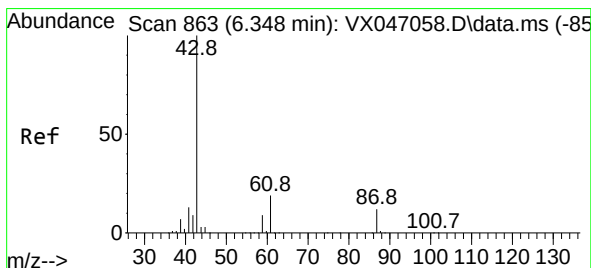
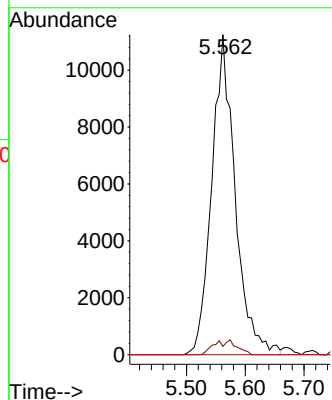
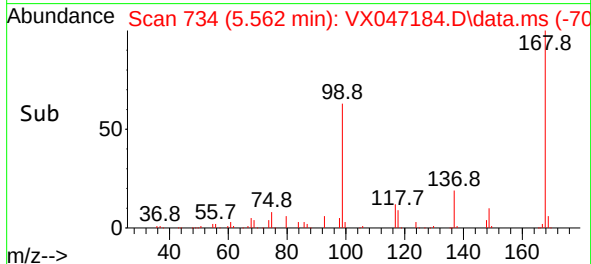


#38
Carbon Tetrachloride
Concen: 5.598 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047184.D
Acq: 30 Jul 2025 13:58

Instrument :
MSVOA_X
ClientSampleId :
PB169042TB

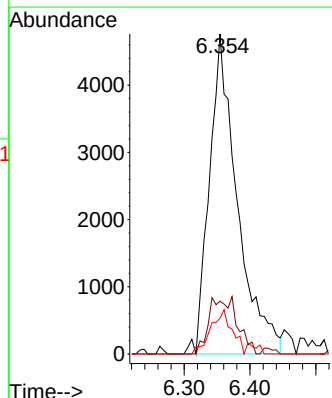
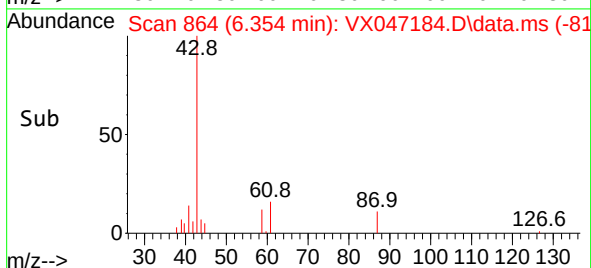
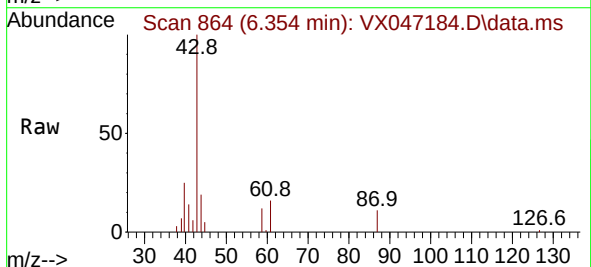


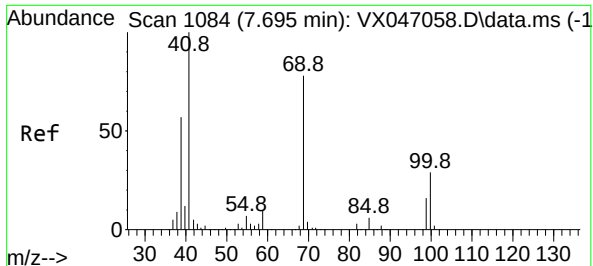
Tgt Ion:117 Resp: 31146
Ion Ratio Lower Upper
117 100
119 2.6 76.6 115.0#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 1.880 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.006 min
Lab File: VX047184.D
Acq: 30 Jul 2025 13:58

Tgt Ion: 43 Resp: 14079
Ion Ratio Lower Upper
43 100
61 17.8 15.1 22.7
87 10.5 9.7 14.5

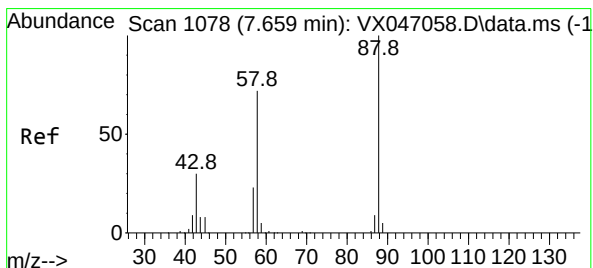
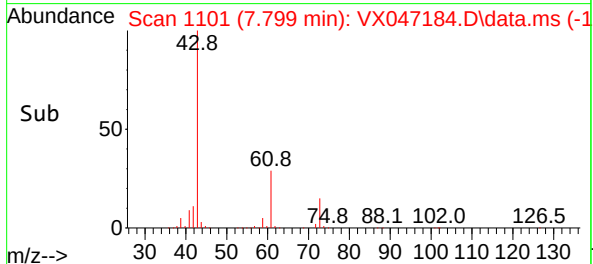
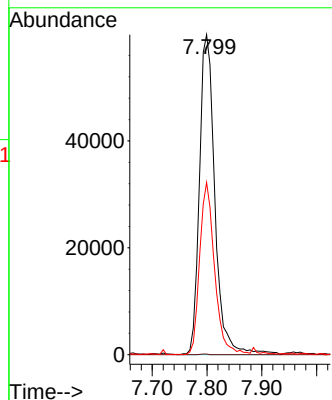
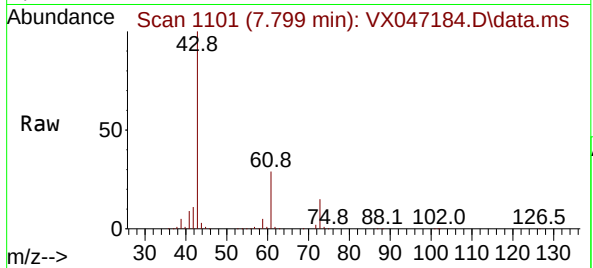




#48
Methyl methacrylate
Concen: 28.840 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX047184.D
Acq: 30 Jul 2025 13:58

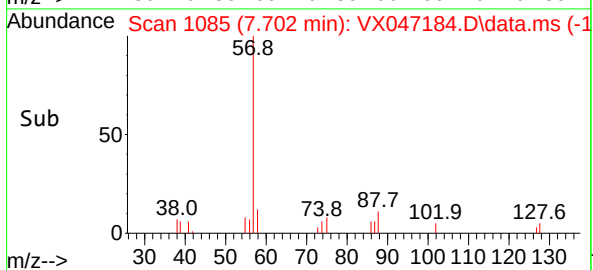
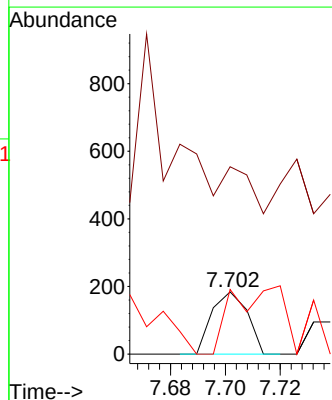
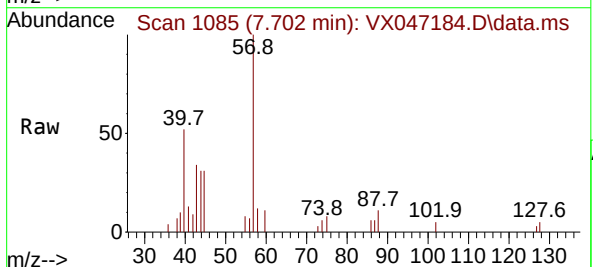
Instrument :
MSVOA_X
ClientSampleId :
PB169042TB

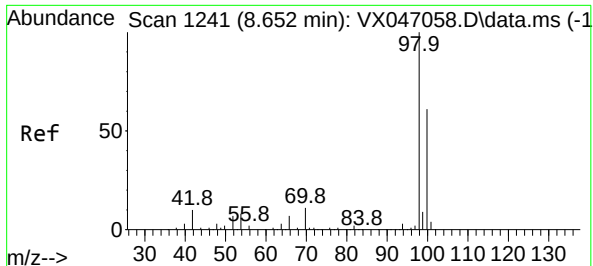
Tgt Ion: 41 Resp: 117662
Ion Ratio Lower Upper
41 100
69 0.1 62.3 93.5#
39 51.8 44.8 67.2



#49
1,4-Dioxane
Concen: 3.556 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.043 min
Lab File: VX047184.D
Acq: 30 Jul 2025 13:58

Tgt Ion: 88 Resp: 165
Ion Ratio Lower Upper
88 100
43 0.0 33.6 50.4#
58 0.0 58.8 88.2#

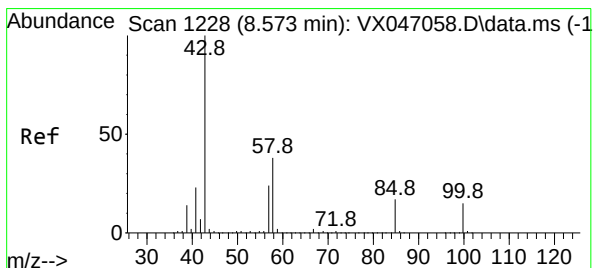
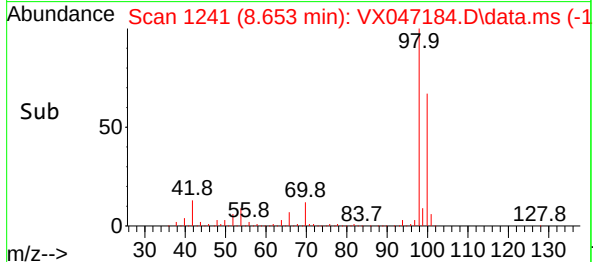
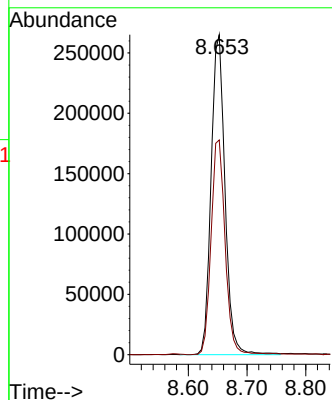
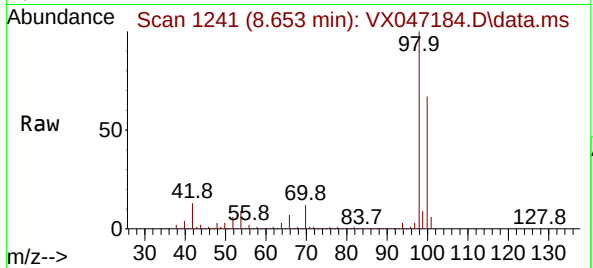




#50
Toluene-d8
Concen: 43.881 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047184.D
Acq: 30 Jul 2025 13:58

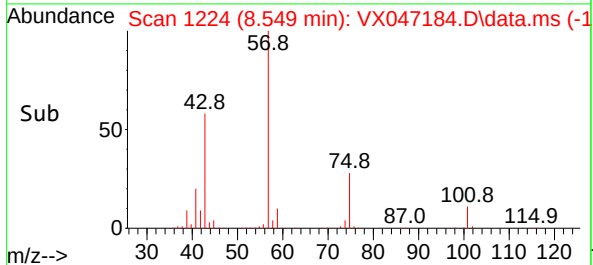
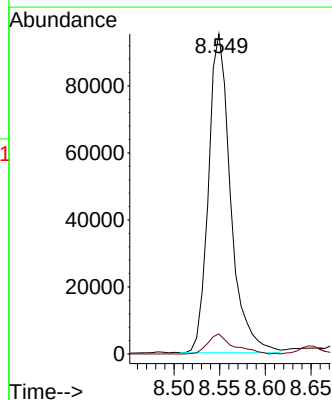
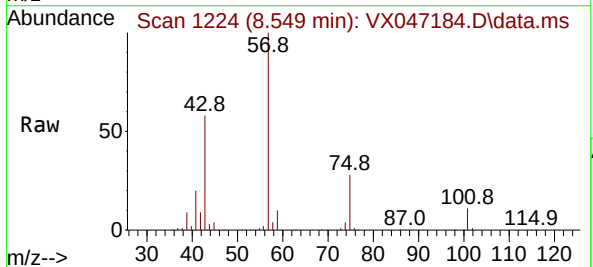
Instrument :
MSVOA_X
ClientSampleId :
PB169042TB

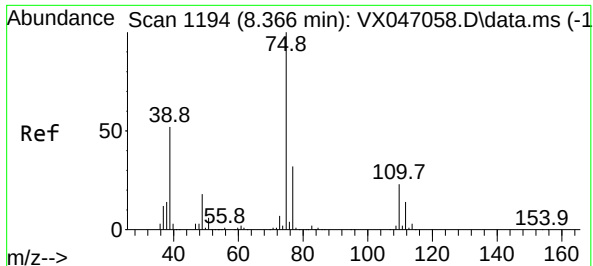
Tgt Ion: 98 Resp: 434624
Ion Ratio Lower Upper
98 100
100 68.0 53.3 79.9



#51
4-Methyl-2-Pentanone
Concen: 35.962 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX047184.D
Acq: 30 Jul 2025 13:58

Tgt Ion: 43 Resp: 160082
Ion Ratio Lower Upper
43 100
58 7.2 30.6 45.8#

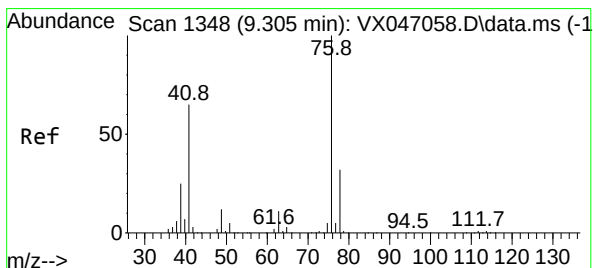
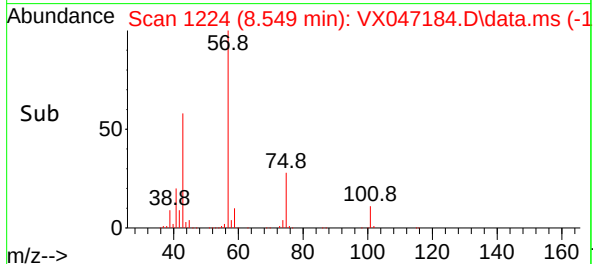
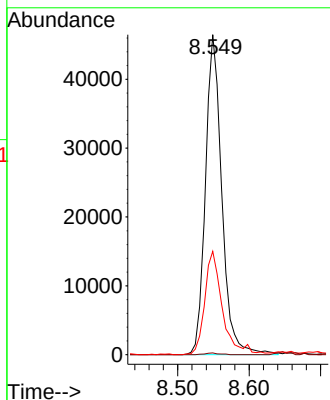
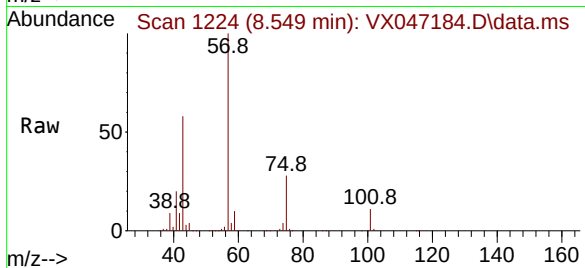




#54
 cis-1,3-Dichloropropene
 Concen: 12.697 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX047184.D
 Acq: 30 Jul 2025 13:58

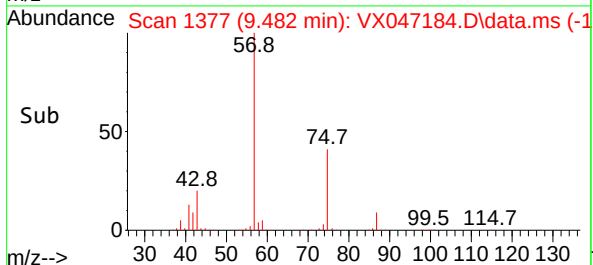
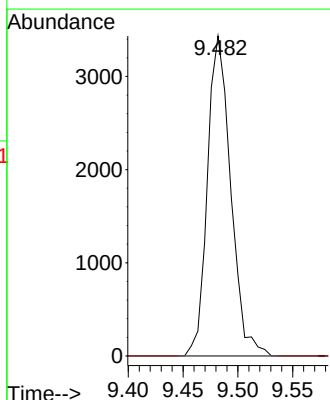
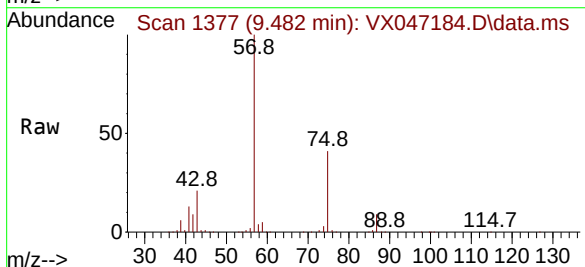
Instrument :
 MSVOA_X
 ClientSampleId :
 PB169042TB

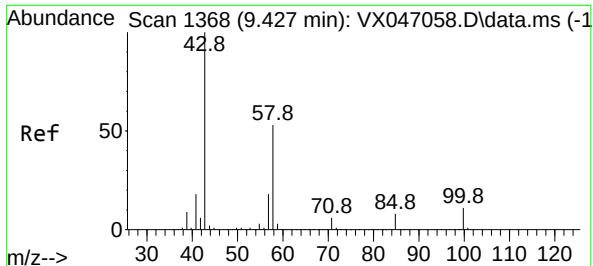
Tgt Ion: 75 Resp: 74016
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.4 38.0#
 39 31.4 41.8 62.6#



#57
 1,3-Dichloropropane
 Concen: 0.840 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX047184.D
 Acq: 30 Jul 2025 13:58

Tgt Ion: 76 Resp: 5077
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#

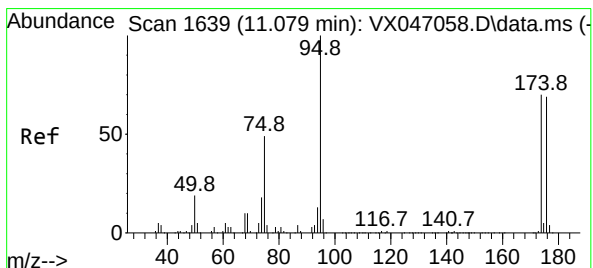
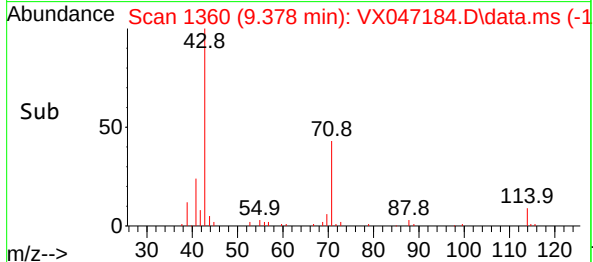
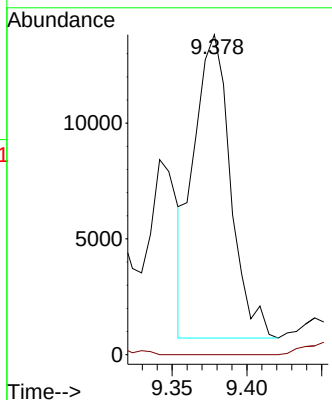
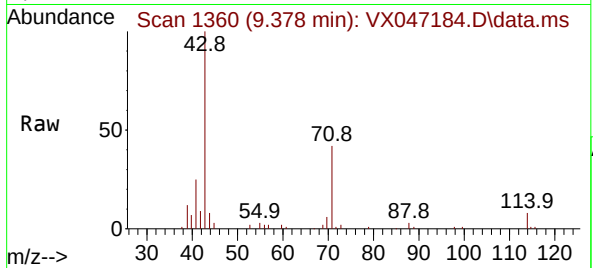




#59
2-Hexanone
Concen: 7.604 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX047184.D
Acq: 30 Jul 2025 13:58

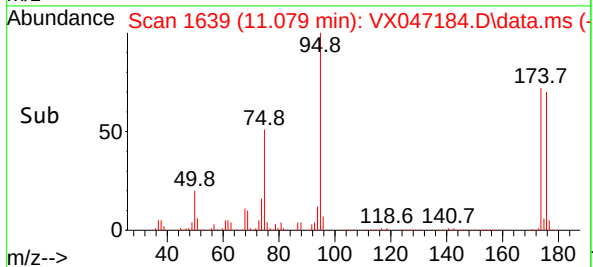
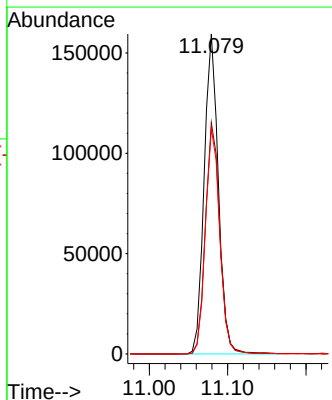
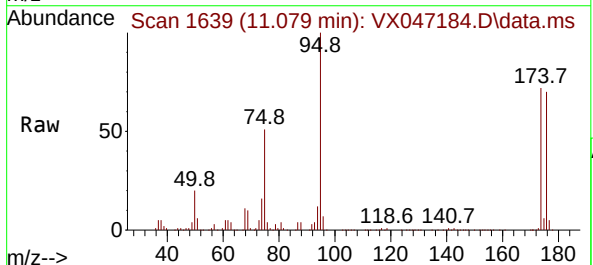
Instrument :
MSVOA_X
ClientSampleId :
PB169042TB

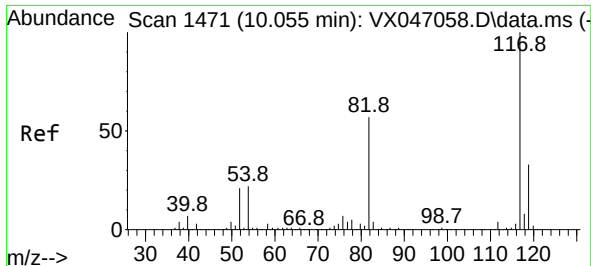
Tgt Ion: 43 Resp: 22363
Ion Ratio Lower Upper
43 100
58 0.0 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 46.989 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047184.D
Acq: 30 Jul 2025 13:58

Tgt Ion: 95 Resp: 200565
Ion Ratio Lower Upper
95 100
174 73.5 0.0 144.6
176 71.1 0.0 139.6

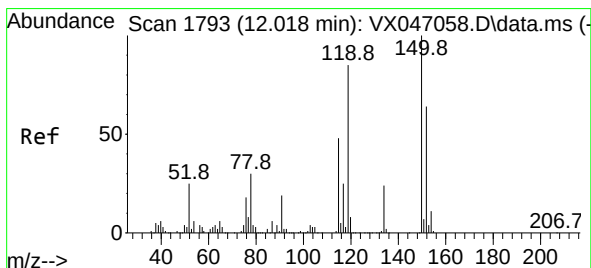
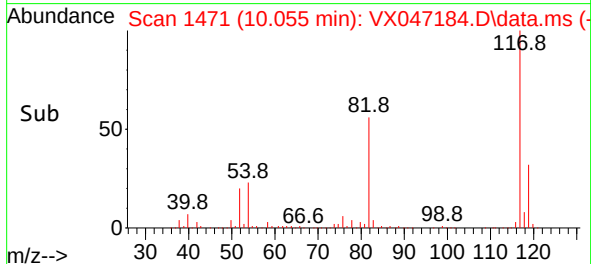
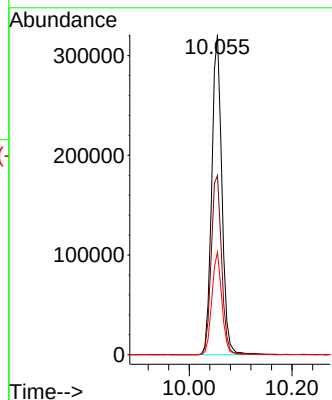
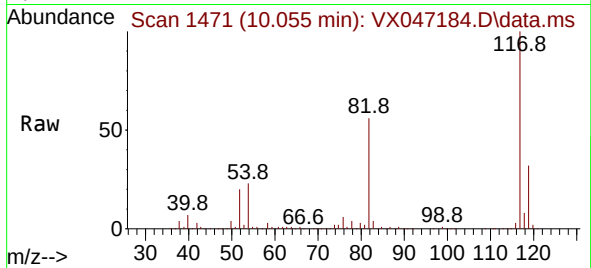




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047184.D
Acq: 30 Jul 2025 13:58

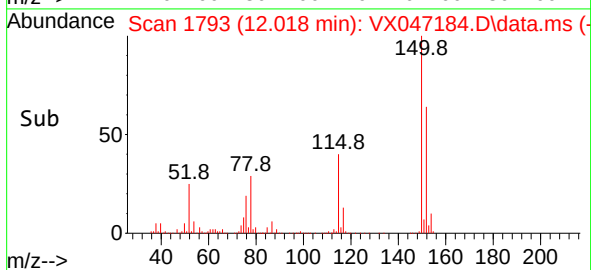
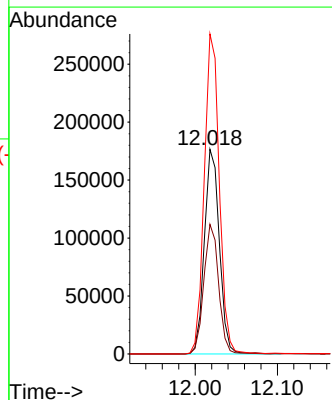
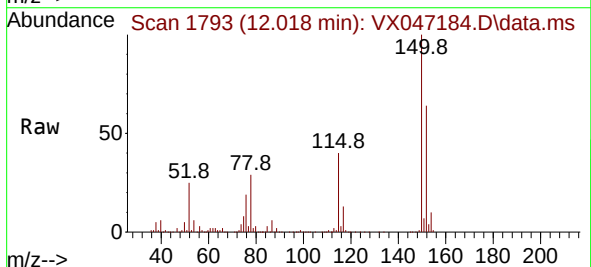
Instrument :
MSVOA_X
ClientSampleId :
PB169042TB

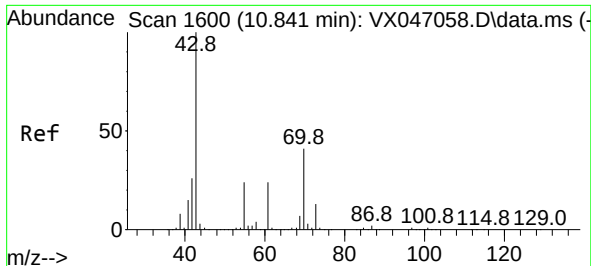
Tgt Ion:117 Resp: 439255
Ion Ratio Lower Upper
117 100
82 56.0 45.4 68.2
119 32.1 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047184.D
Acq: 30 Jul 2025 13:58

Tgt Ion:152 Resp: 223771
Ion Ratio Lower Upper
152 100
115 62.6 45.6 136.7
150 156.5 0.0 354.6

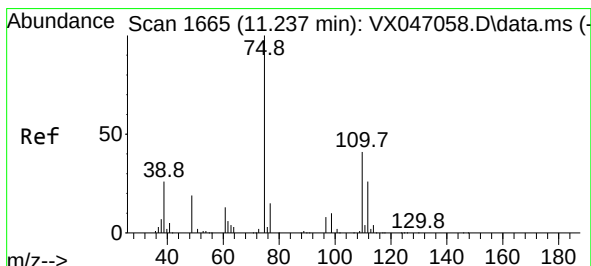
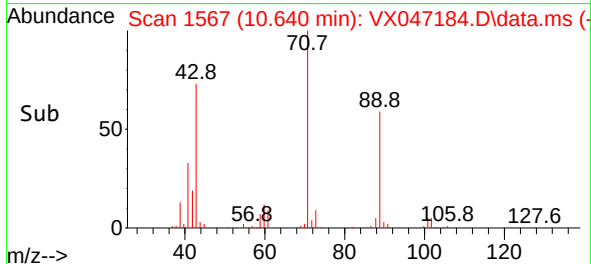
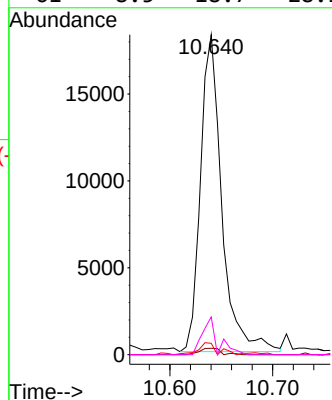
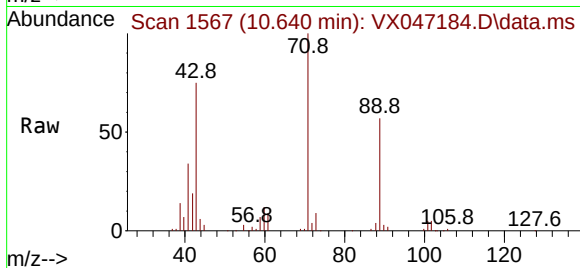




#74
N-amy1 acetate
Concen: 3.693 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.201 min
Lab File: VX047184.D
Acq: 30 Jul 2025 13:58

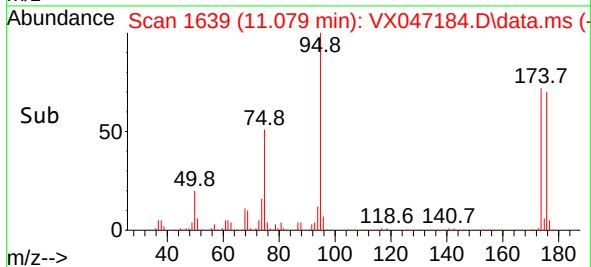
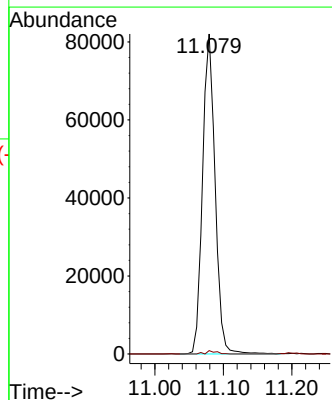
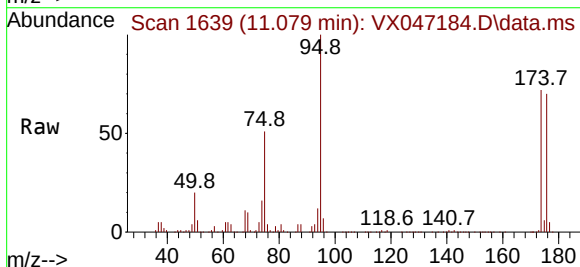
Instrument :
MSVOA_X
ClientSampleId :
PB169042TB

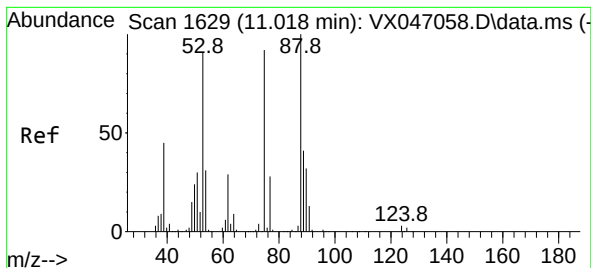
Tgt Ion:	43	Resp:	26309
Ion	Ratio	Lower	Upper
43	100		
70	2.0	32.3	48.5#
55	3.4	18.9	28.3#
61	8.5	18.7	28.1#



#76
1,2,3-Trichloropropane
Concen: 25.301 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047184.D
Acq: 30 Jul 2025 13:58

Tgt Ion:	75	Resp:	104792
Ion	Ratio	Lower	Upper
75	100		
77	0.9	21.6	65.0#

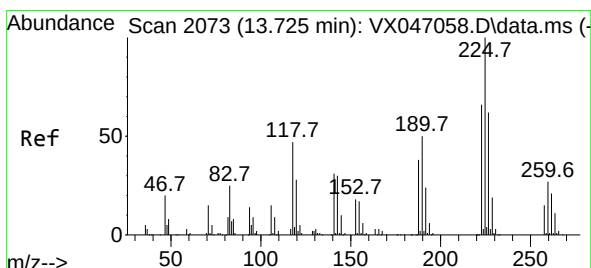
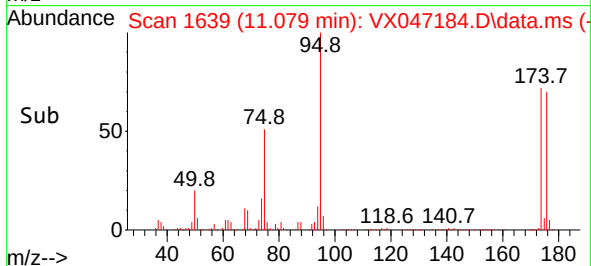
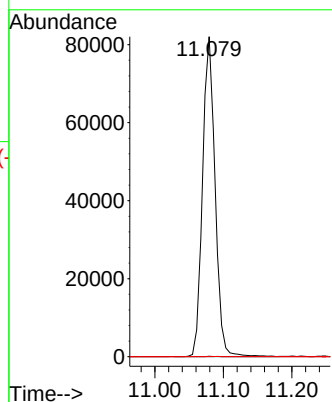
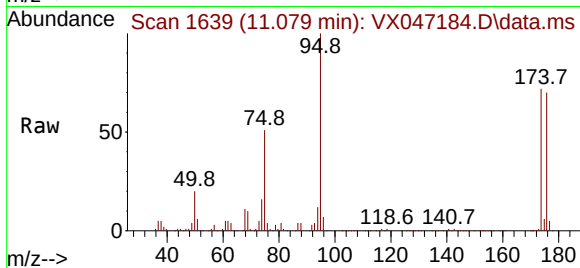




#81
trans-1,4-Dichloro-2-butene
Concen: 65.184 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047184.D
Acq: 30 Jul 2025 13:58

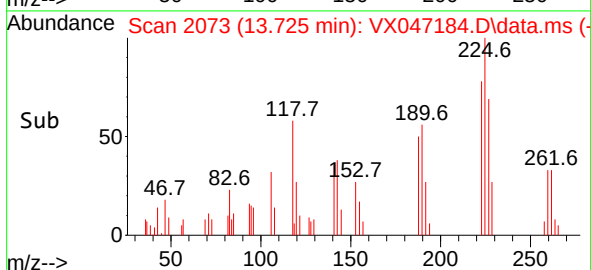
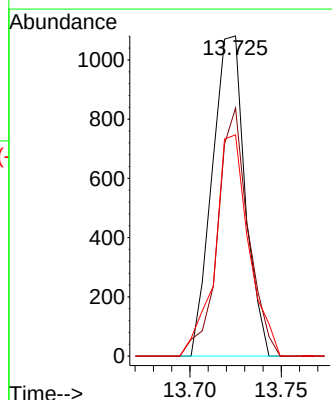
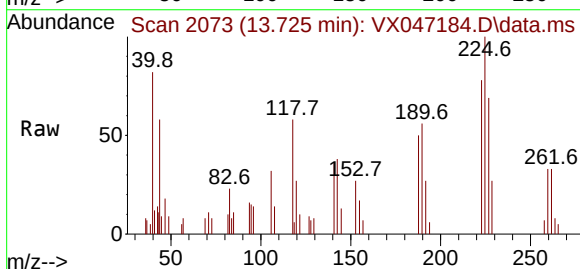
Instrument :
MSVOA_X
ClientSampleId :
PB169042TB

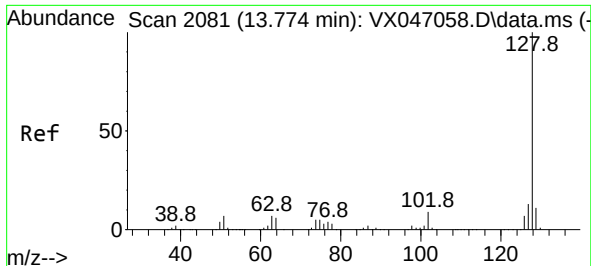
Tgt Ion: 75 Resp: 104792
Ion Ratio Lower Upper
75 100
53 0.1 84.2 126.4#
89 0.0 36.0 54.0#



#94
Hexachlorobutadiene
Concen: 0.783 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX047184.D
Acq: 30 Jul 2025 13:58

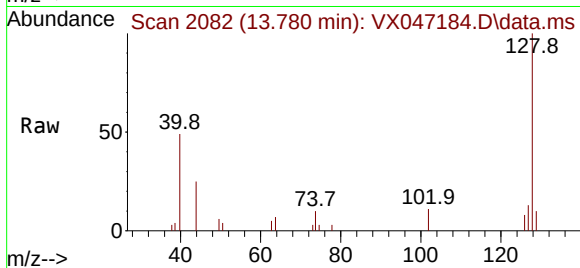
Tgt Ion: 225 Resp: 1353
Ion Ratio Lower Upper
225 100
223 72.1 31.6 95.0
227 71.3 32.9 98.6



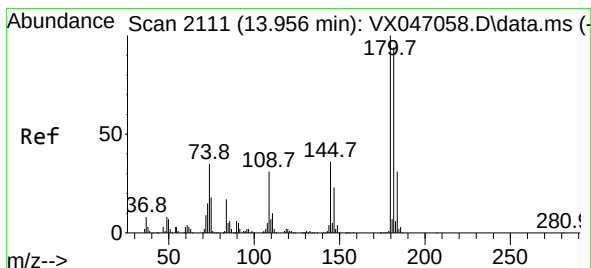
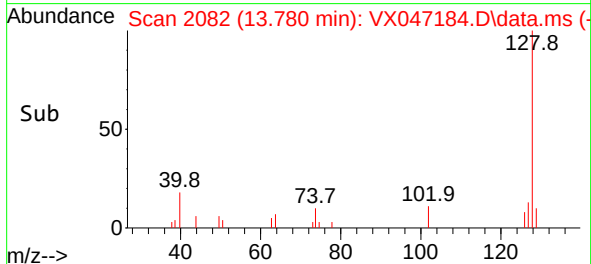
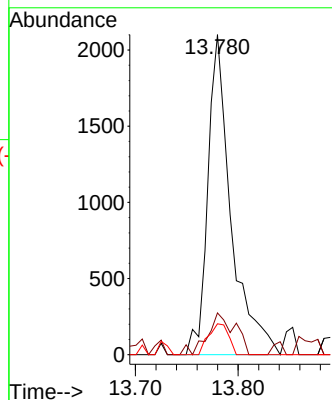


#95
Naphthalene
Concen: 0.221 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX047184.D
Acq: 30 Jul 2025 13:58

Instrument :
MSVOA_X
ClientSampleId :
PB169042TB



Tgt Ion:128 Resp: 3298
Ion Ratio Lower Upper
128 100
127 15.4 10.1 15.1#
129 8.3 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.219 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX047184.D
Acq: 30 Jul 2025 13:58

Tgt Ion:180 Resp: 1071
Ion Ratio Lower Upper
180 100
182 107.5 46.9 140.6
145 21.6 17.3 52.0

