

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120325\
 Data File : VN088428.D
 Acq On : 03 Dec 2025 14:54
 Operator : JC\MD
 Sample : PB170786TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB170786TB

Quant Time: Dec 04 00:19:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

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

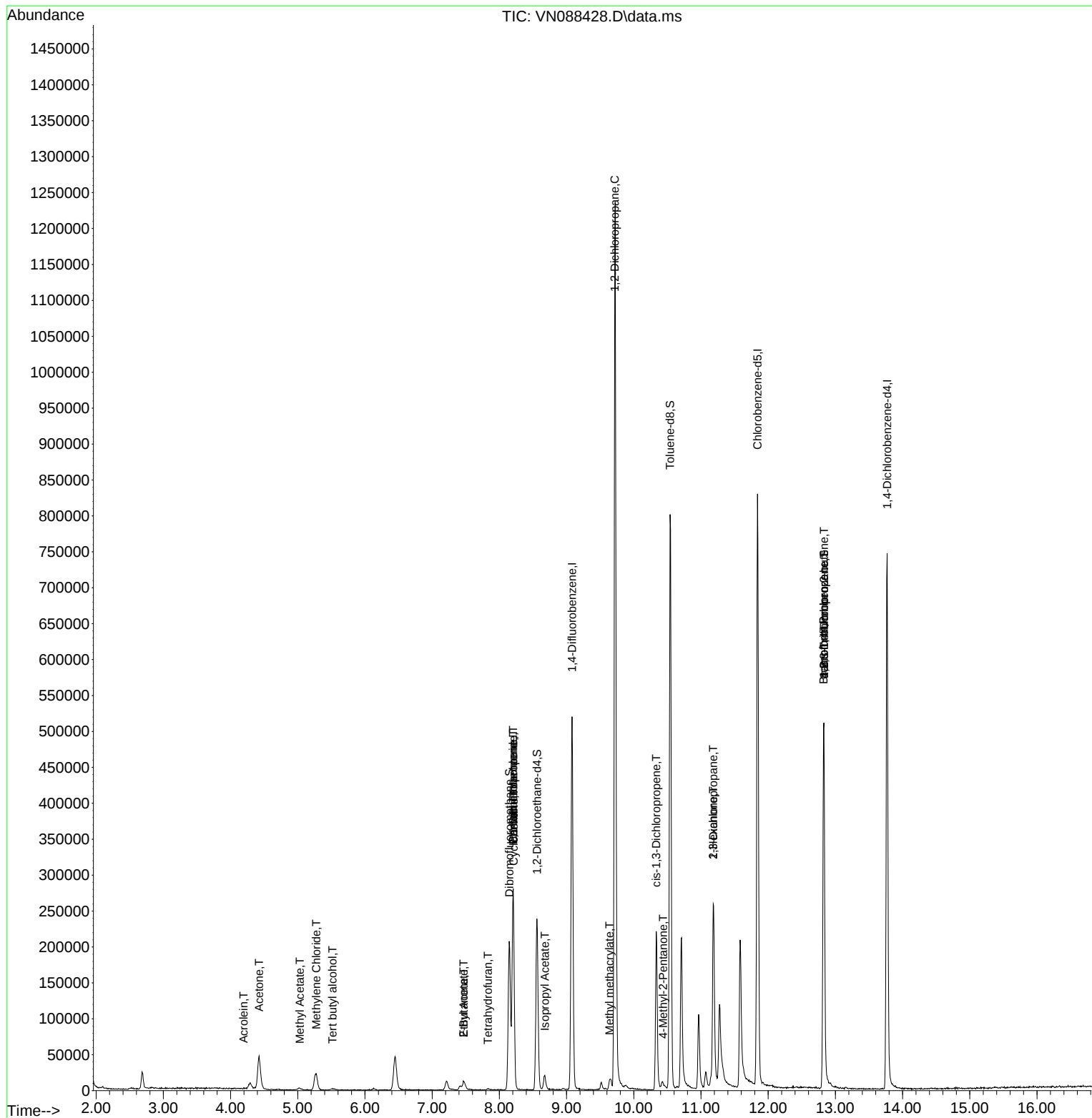
Internal Standards						
1) Pentafluorobenzene	8.206	168	178047	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	413606	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	436554	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	192937	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	204185	60.877	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 121.760%			
35) Dibromofluoromethane	8.147	113	145889	50.899	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.800%			
50) Toluene-d8	10.541	98	526796	49.396	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.800%			
62) 4-Bromofluorobenzene	12.829	95	183207	50.066	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.140%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.518	59	2090	3.903	ug/l #	91
13) Acrolein	4.195	56	115	0.224	ug/l #	14
16) Acetone	4.424	43	91683	75.584	ug/l	94
18) Methyl Acetate	5.030	43	5544	1.535	ug/l	96
20) Methylene Chloride	5.277	84	18276	7.042	ug/l #	83
25) 2-Butanone	7.471	43	22491	11.534	ug/l #	84
29) Tetrahydrofuran	7.830	42	943	0.674	ug/l #	79
31) Cyclohexane	8.212	56	6007	1.362	ug/l #	47
36) 1,1-Dichloropropene	8.206	75	18736	4.235	ug/l #	51
37) Ethyl Acetate	7.471	43	22491	3.867	ug/l #	72
38) Carbon Tetrachloride	8.206	117	22960	5.214	ug/l #	15
43) Isopropyl Acetate	8.677	43	25290	2.846	ug/l #	93
45) 1,2-Dichloropropane	9.718	63	1549	0.466	ug/l #	46
48) Methyl methacrylate	9.641	41	3900	0.962	ug/l #	13
51) 4-Methyl-2-Pentanone	10.435	43	13334	2.546	ug/l #	74
54) cis-1,3-Dichloropropene	10.335	75	35129	6.719	ug/l #	74
57) 1,3-Dichloropropane	11.182	76	3166	0.605	ug/l #	42
59) 2-Hexanone	11.182	43	58297	17.667	ug/l #	57
71) Bromoform	12.823	173	839	0.346	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	112027	24.791	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	112027	70.330	ug/l #	1

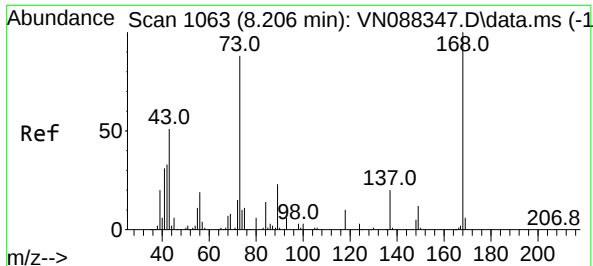
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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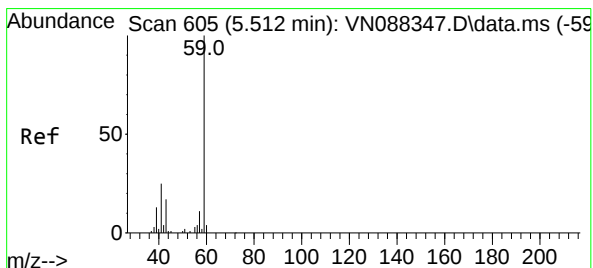
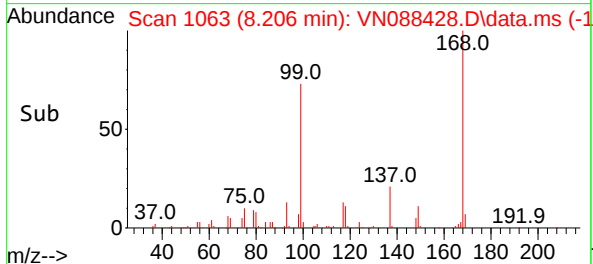
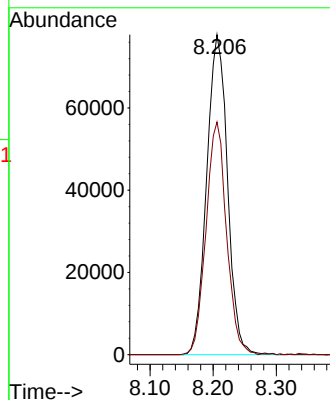
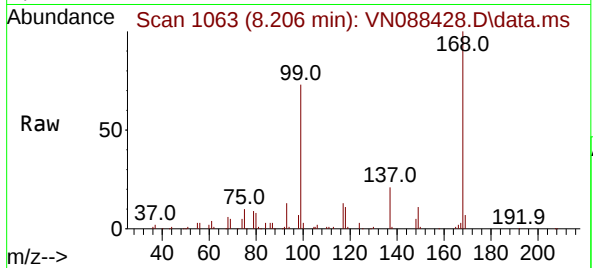




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088428.D
Acq: 03 Dec 2025 14:54

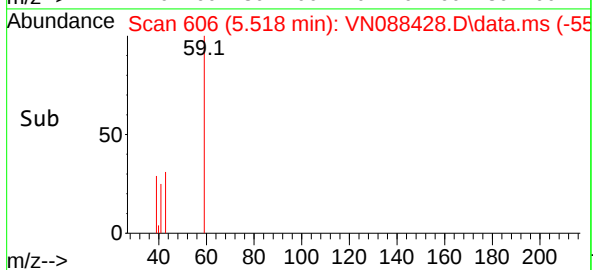
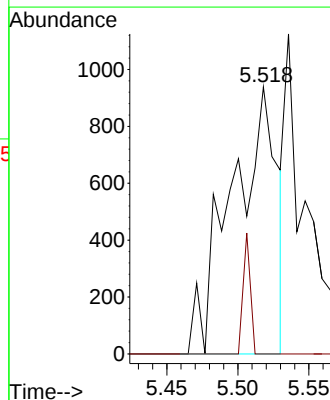
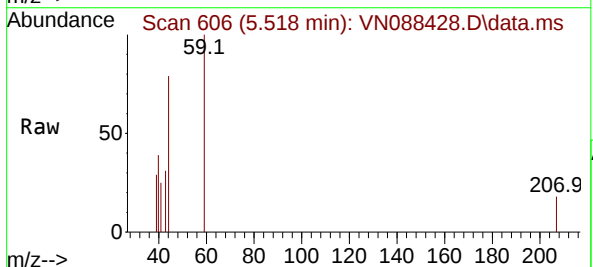
Instrument :
MSVOA_N
ClientSampleId :
PB170786TB

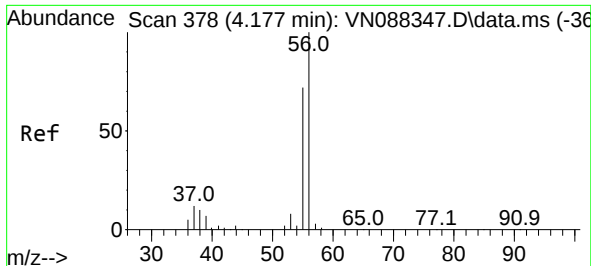
Tgt Ion:168 Resp: 178047
Ion Ratio Lower Upper
168 100
99 72.7 57.1 85.7



#11
Tert butyl alcohol
Concen: 3.903 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.006 min
Lab File: VN088428.D
Acq: 03 Dec 2025 14:54

Tgt Ion: 59 Resp: 2090
Ion Ratio Lower Upper
59 100
57 7.2 8.5 12.7#

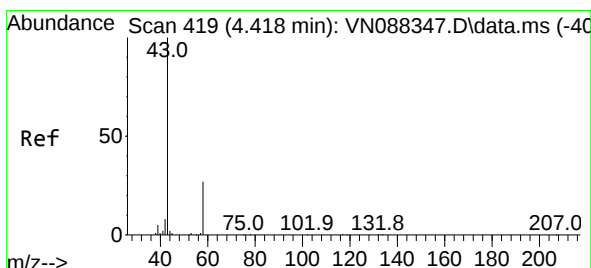
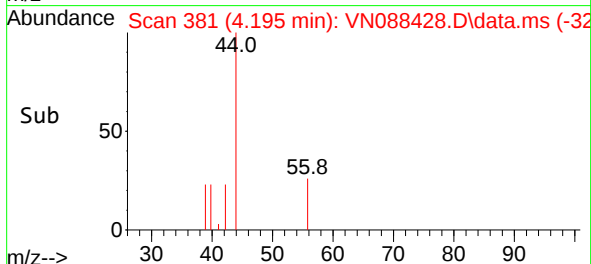
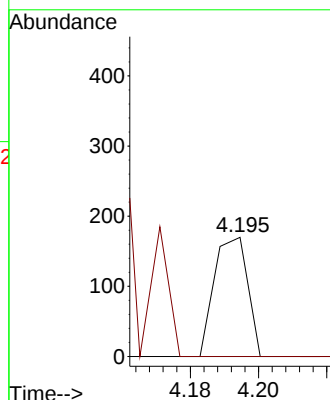
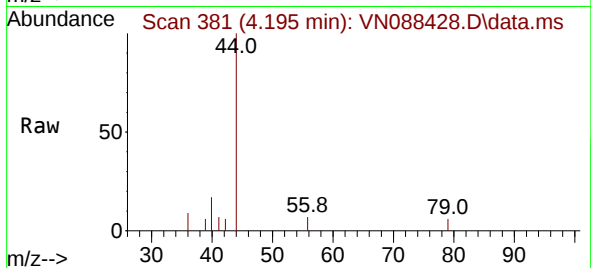




#13
Acrolein
Concen: 0.224 ug/l
RT: 4.195 min Scan# 311
Delta R.T. 0.018 min
Lab File: VN088428.D
Acq: 03 Dec 2025 14:54

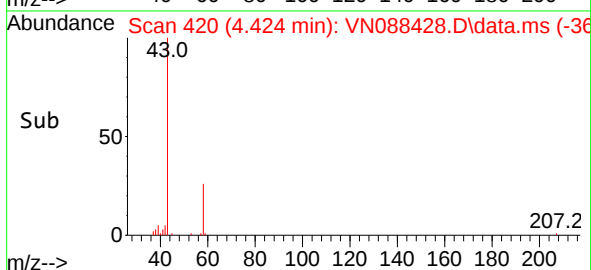
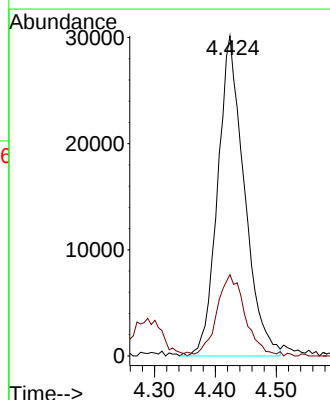
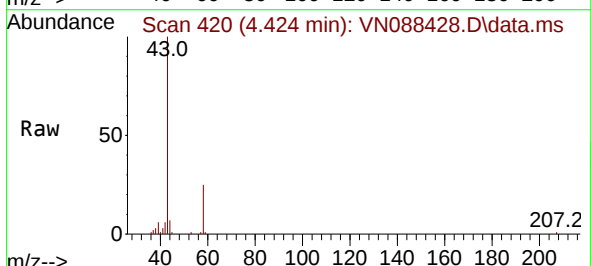
Instrument :
MSVOA_N
ClientSampleId :
PB170786TB

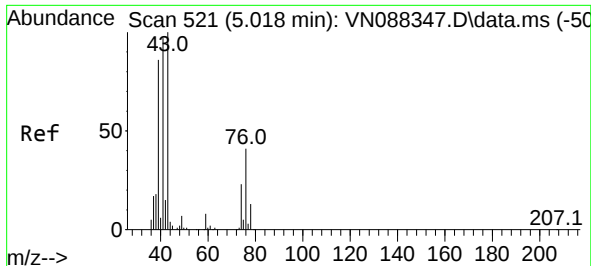
Tgt Ion: 56 Resp: 115
Ion Ratio Lower Upper
56 100
55 0.0 56.3 84.5#



#16
Acetone
Concen: 75.584 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN088428.D
Acq: 03 Dec 2025 14:54

Tgt Ion: 43 Resp: 91683
Ion Ratio Lower Upper
43 100
58 24.2 21.7 32.5

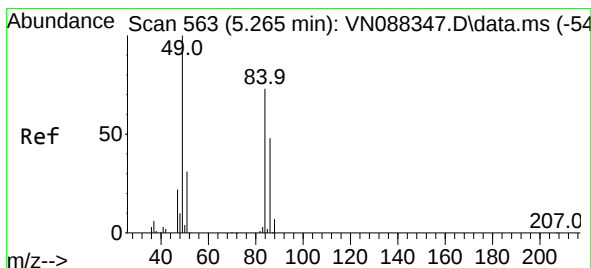
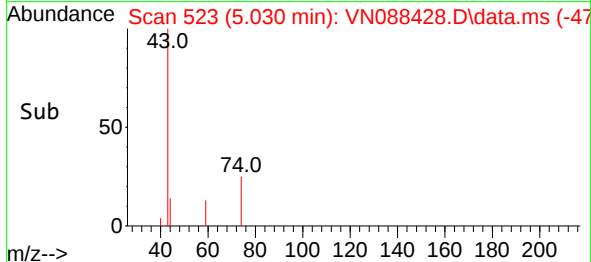
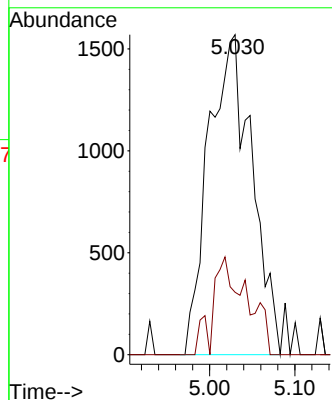
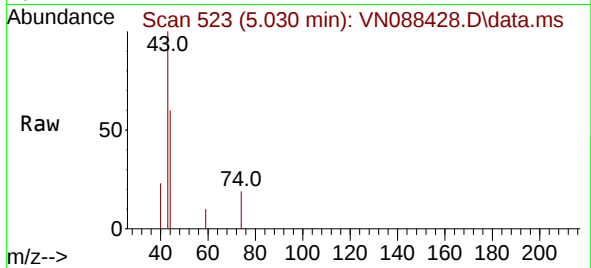




#18
Methyl Acetate
Concen: 1.535 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN088428.D
Acq: 03 Dec 2025 14:54

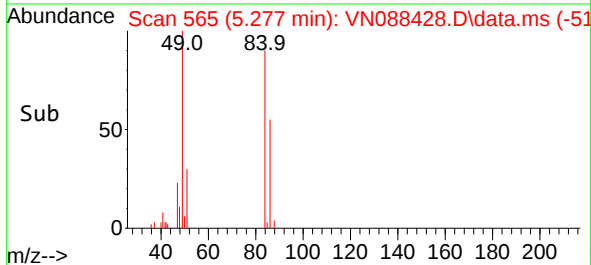
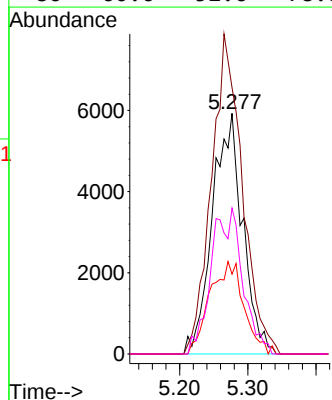
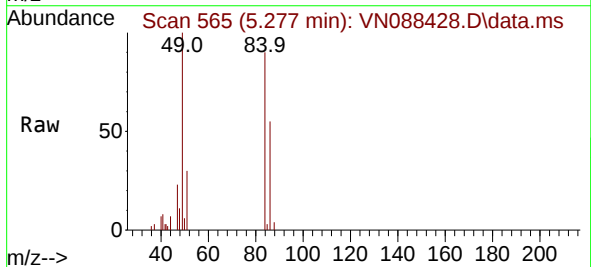
Instrument :
MSVOA_N
ClientSampleId :
PB170786TB

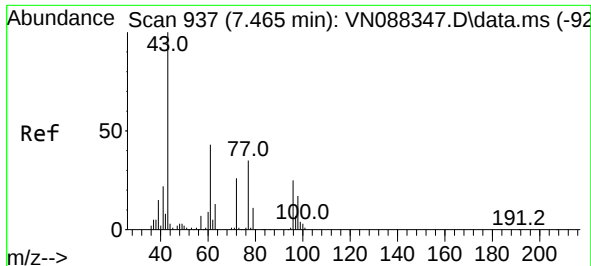
Tgt Ion: 43 Resp: 5544
Ion Ratio Lower Upper
43 100
74 24.2 17.9 26.9



#20
Methylene Chloride
Concen: 7.042 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.012 min
Lab File: VN088428.D
Acq: 03 Dec 2025 14:54

Tgt Ion: 84 Resp: 18276
Ion Ratio Lower Upper
84 100
49 110.7 110.2 165.2
51 33.2 34.1 51.1#
86 60.6 52.6 78.8

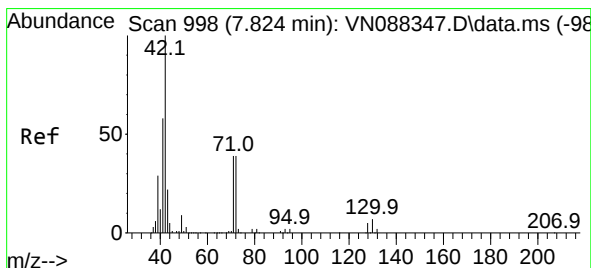
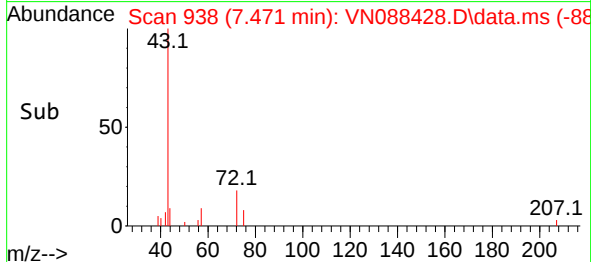
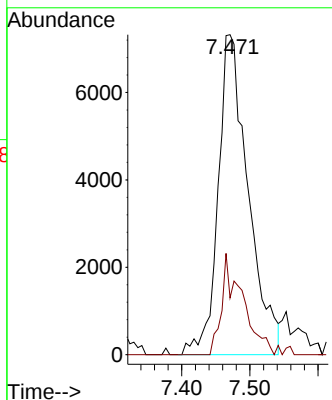
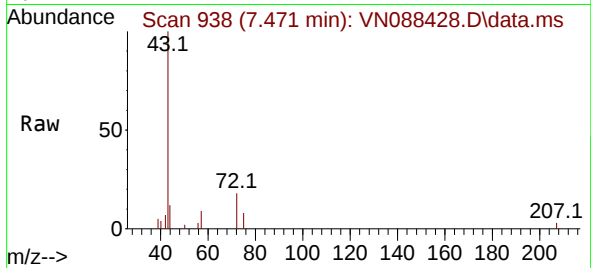




#25
2-Butanone
Concen: 11.534 ug/l
RT: 7.471 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN088428.D
Acq: 03 Dec 2025 14:54

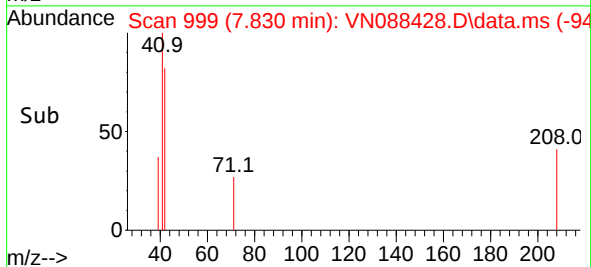
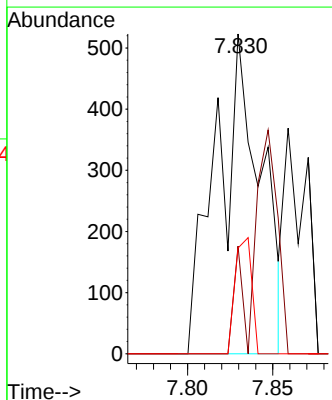
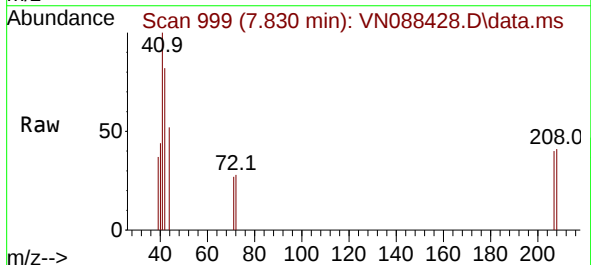
Instrument :
MSVOA_N
ClientSampleId :
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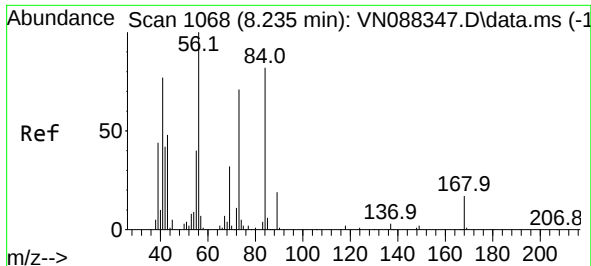
Tgt Ion: 43 Resp: 22491
Ion Ratio Lower Upper
43 100
72 17.7 20.5 30.7#



#29
Tetrahydrofuran
Concen: 0.674 ug/l
RT: 7.830 min Scan# 999
Delta R.T. 0.006 min
Lab File: VN088428.D
Acq: 03 Dec 2025 14:54

Tgt Ion: 42 Resp: 943
Ion Ratio Lower Upper
42 100
72 39.0 32.2 48.4
71 13.6 31.1 46.7#

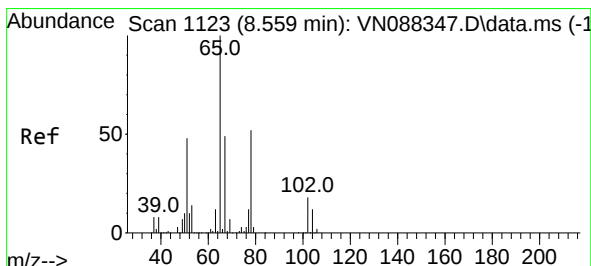
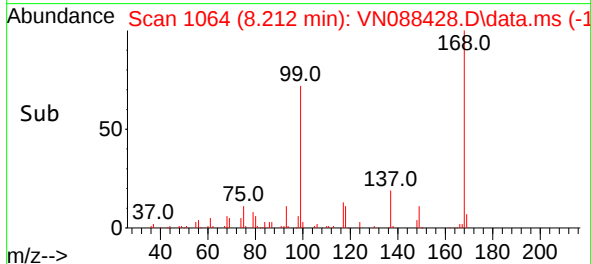
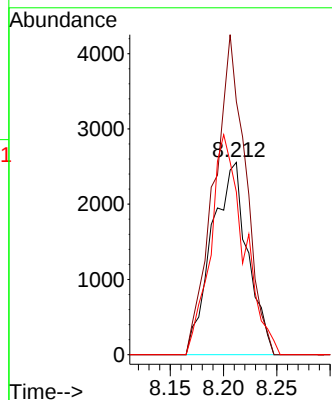
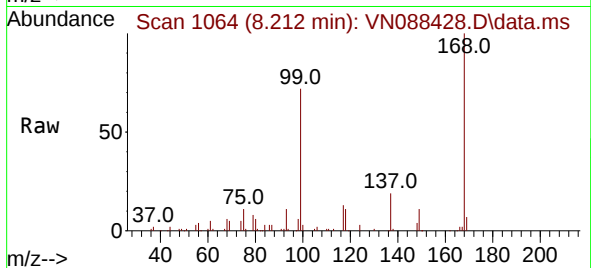




#31
Cyclohexane
Concen: 1.362 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.023 min
Lab File: VN088428.D
Acq: 03 Dec 2025 14:54

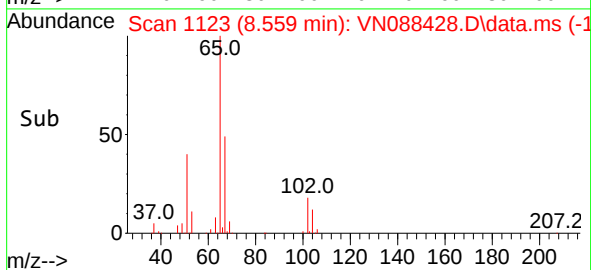
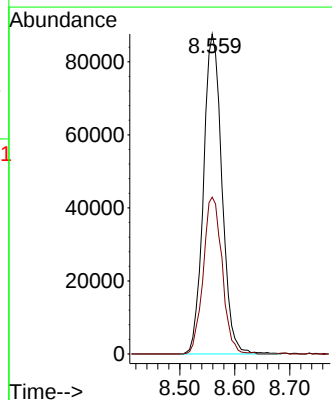
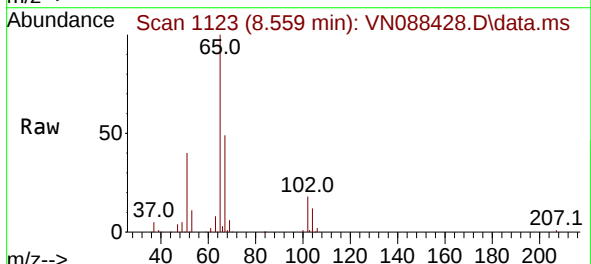
Instrument :
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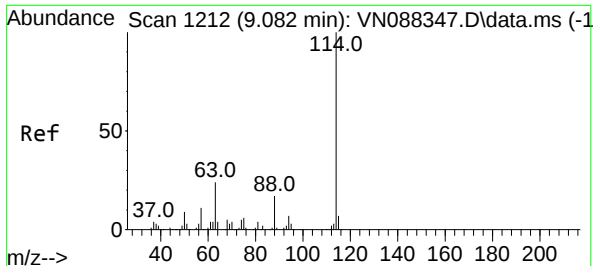
Tgt Ion: 56 Resp: 6007
Ion Ratio Lower Upper
56 100
69 131.6 25.3 37.9#
84 84.6 65.4 98.2



#33
1,2-Dichloroethane-d4
Concen: 60.877 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088428.D
Acq: 03 Dec 2025 14:54

Tgt Ion: 65 Resp: 204185
Ion Ratio Lower Upper
65 100
67 50.1 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN088428.D

Acq: 03 Dec 2025 14:54

Instrument :

MSVOA_N

ClientSampleId :

PB170786TB

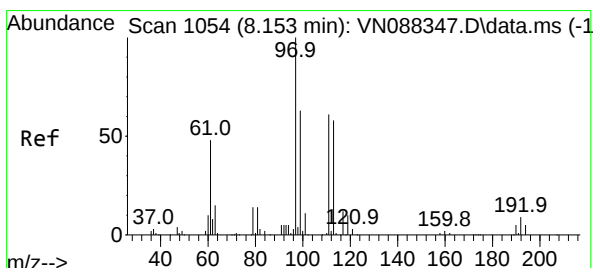
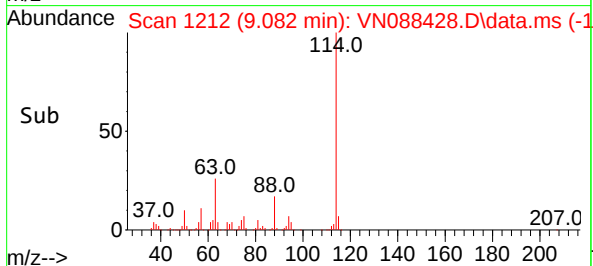
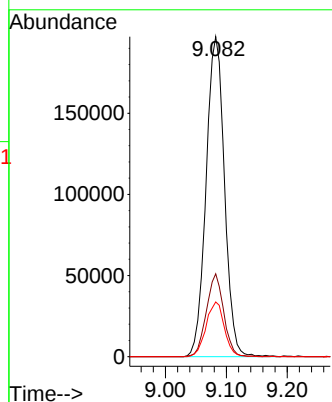
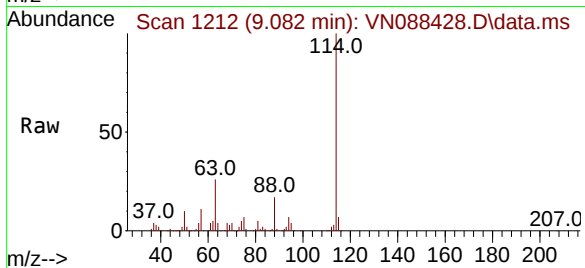
Tgt Ion:114 Resp: 413606

Ion Ratio Lower Upper

114 100

63 25.9 0.0 49.0

88 17.1 0.0 34.0



#35

Dibromofluoromethane

Concen: 50.899 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088428.D

Acq: 03 Dec 2025 14:54

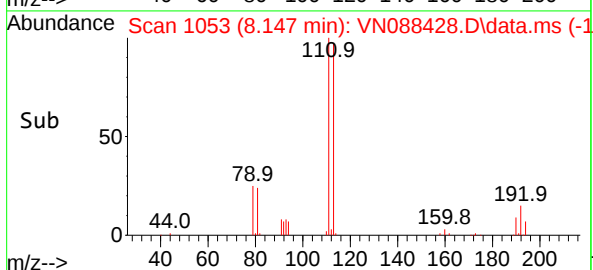
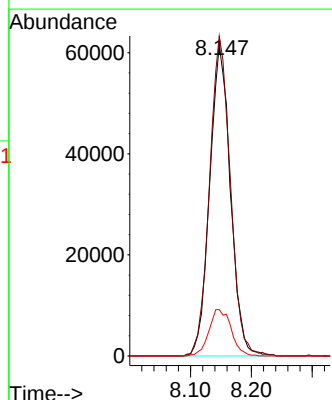
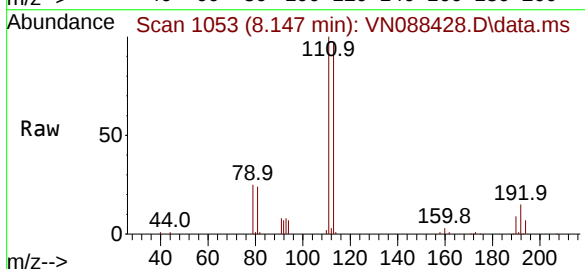
Tgt Ion:113 Resp: 145889

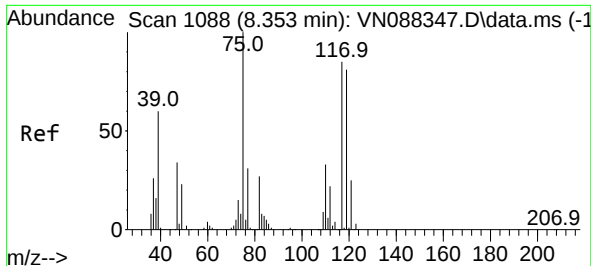
Ion Ratio Lower Upper

113 100

111 102.9 82.5 123.7

192 16.1 12.8 19.2





#36

1,1-Dichloropropene

Concen: 4.235 ug/l

RT: 8.206 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN088428.D

Acq: 03 Dec 2025 14:54

Instrument :

MSVOA_N

ClientSampleId :

PB170786TB

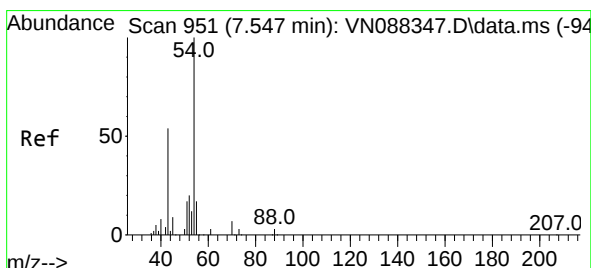
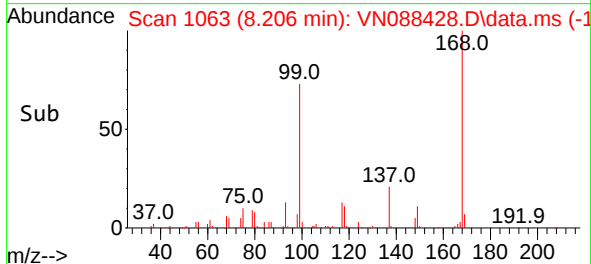
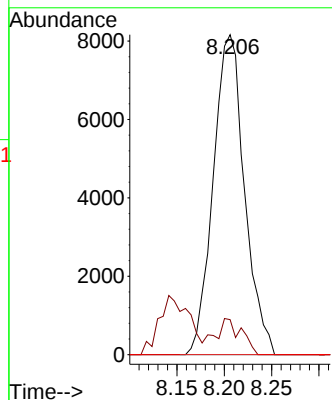
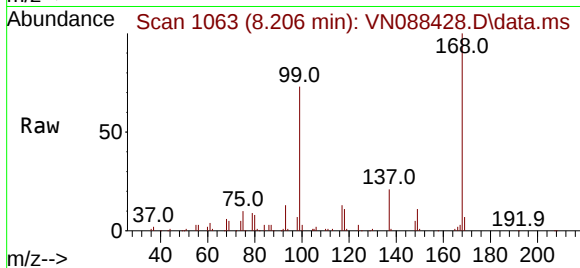
Tgt Ion: 75 Resp: 18736

Ion Ratio Lower Upper

75 100

110 7.6 15.8 47.4#

77 0.0 24.2 36.2#



#37

Ethyl Acetate

Concen: 3.867 ug/l

RT: 7.471 min Scan# 938

Delta R.T. -0.076 min

Lab File: VN088428.D

Acq: 03 Dec 2025 14:54

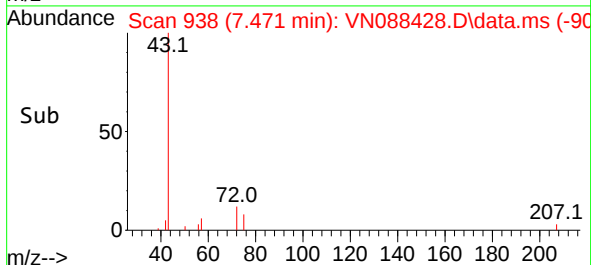
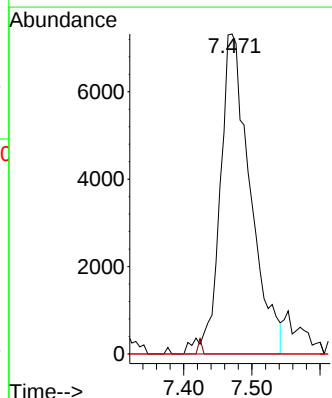
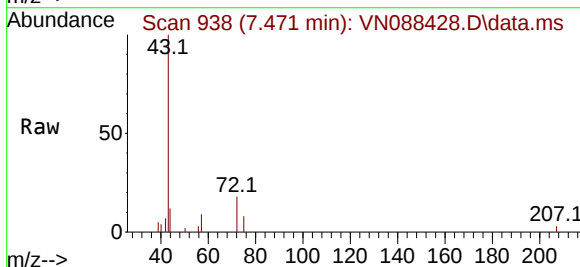
Tgt Ion: 43 Resp: 22491

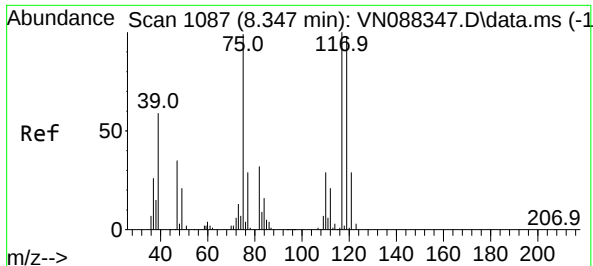
Ion Ratio Lower Upper

43 100

61 0.0 9.5 14.3#

70 0.0 7.1 10.7#

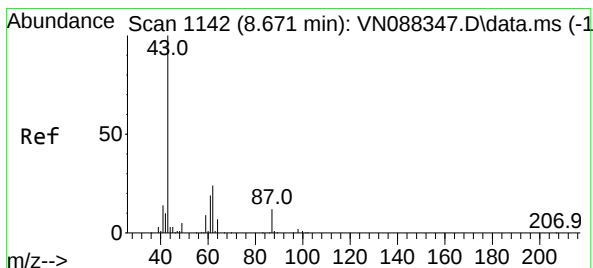
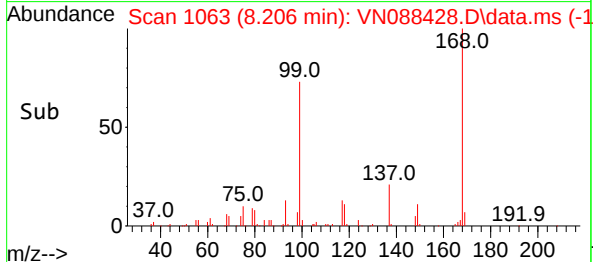
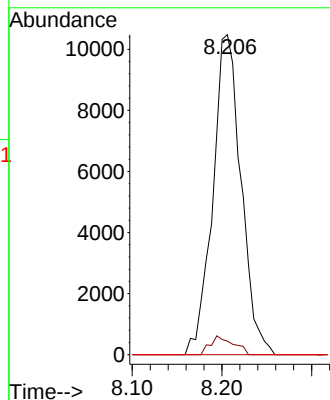
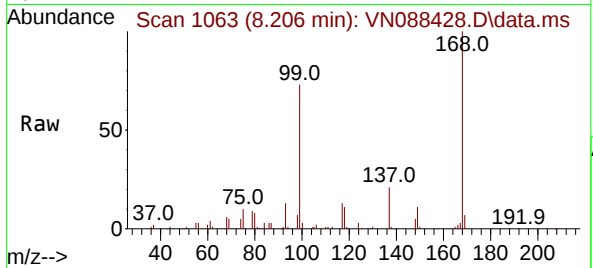




#38
Carbon Tetrachloride
Concen: 5.214 ug/l
RT: 8.206 min Scan# 1106
Delta R.T. -0.141 min
Lab File: VN088428.D
Acq: 03 Dec 2025 14:54

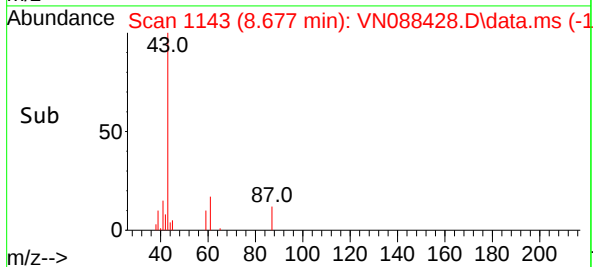
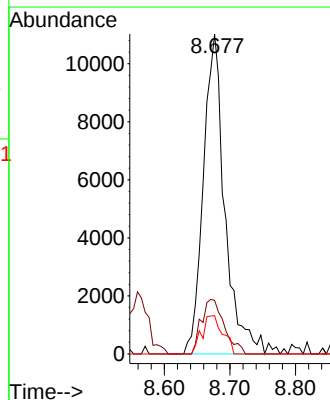
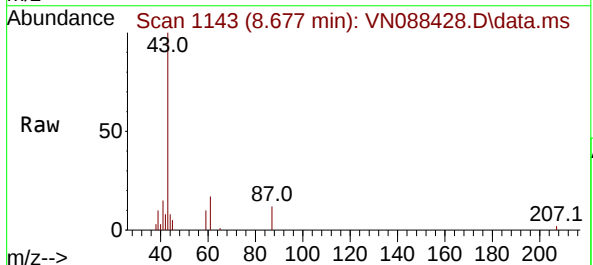
Instrument :
MSVOA_N
ClientSampleId :
PB170786TB

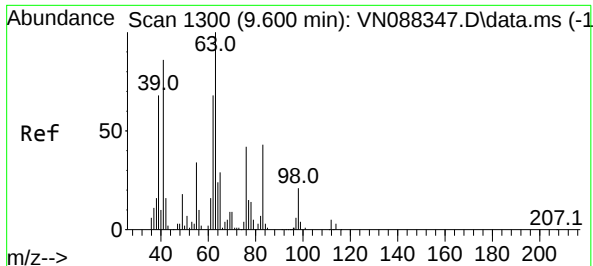
Tgt Ion:117 Resp: 22960
Ion Ratio Lower Upper
117 100
119 4.3 78.2 117.4#
121 0.0 23.4 35.2#



#43
Isopropyl Acetate
Concen: 2.846 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN088428.D
Acq: 03 Dec 2025 14:54

Tgt Ion: 43 Resp: 25290
Ion Ratio Lower Upper
43 100
61 18.1 18.7 28.1#
87 11.6 9.1 13.7





#45

1,2-Dichloropropane

Concen: 0.466 ug/l

RT: 9.718 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN088428.D

Acq: 03 Dec 2025 14:54

Instrument :

MSVOA_N

ClientSampleId :

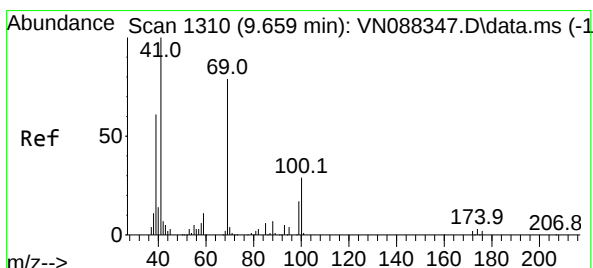
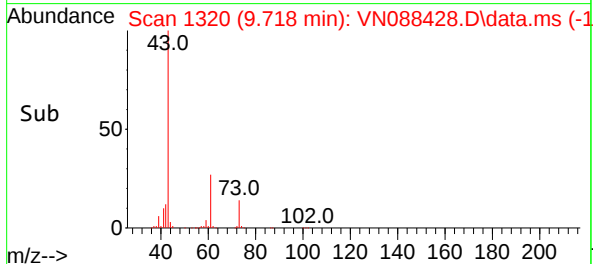
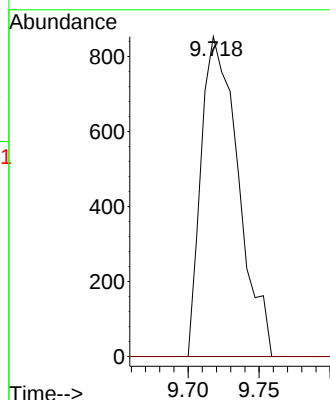
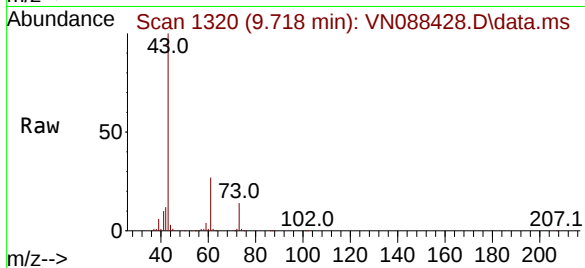
PB170786TB

Tgt Ion: 63 Resp: 1549

Ion Ratio Lower Upper

63 100

65 0.0 23.0 34.4#



#48

Methyl methacrylate

Concen: 0.962 ug/l

RT: 9.641 min Scan# 1307

Delta R.T. -0.018 min

Lab File: VN088428.D

Acq: 03 Dec 2025 14:54

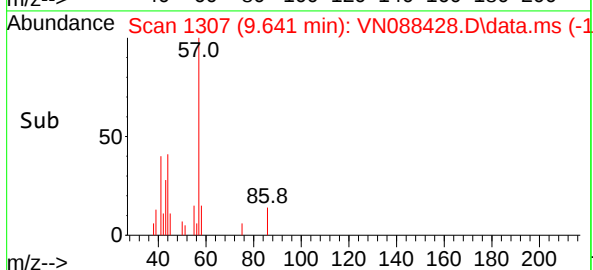
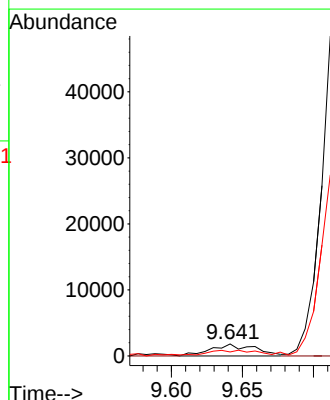
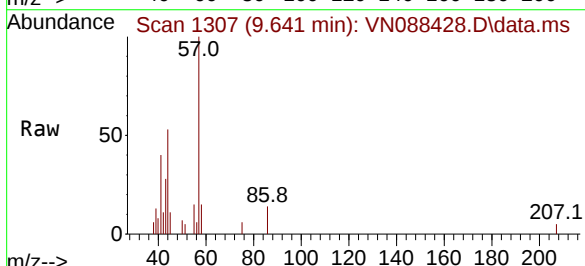
Tgt Ion: 41 Resp: 3900

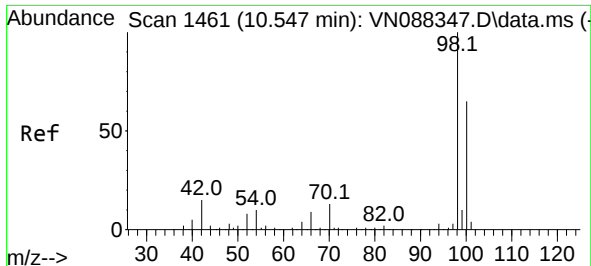
Ion Ratio Lower Upper

41 100

69 0.0 62.4 93.6#

39 0.0 52.6 79.0#

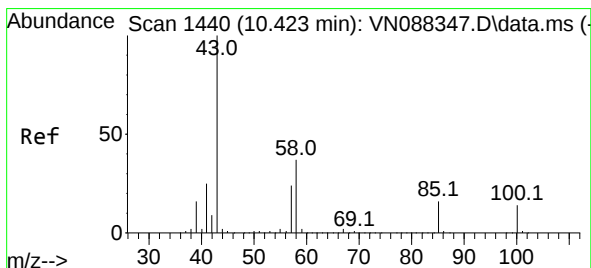
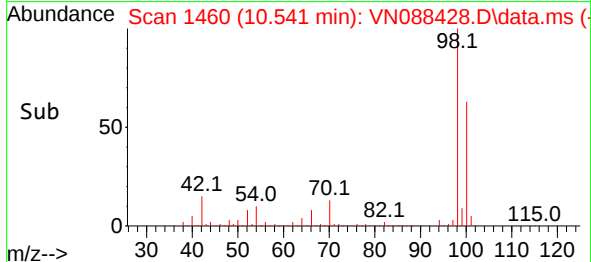
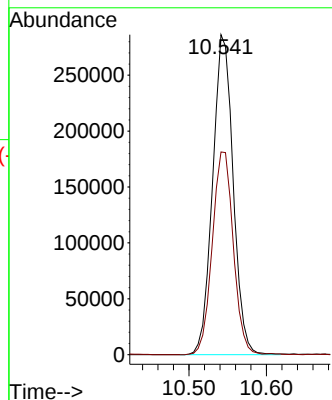
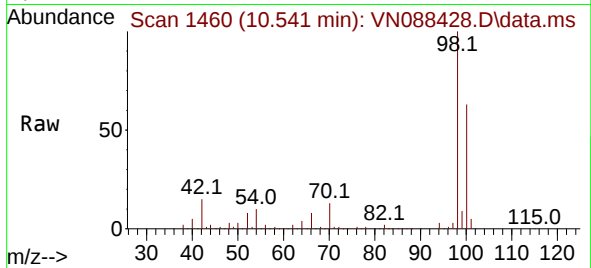




#50
Toluene-d8
Concen: 49.396 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088428.D
Acq: 03 Dec 2025 14:54

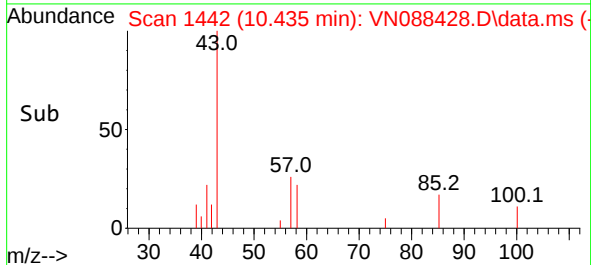
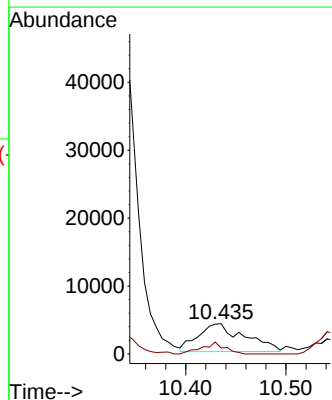
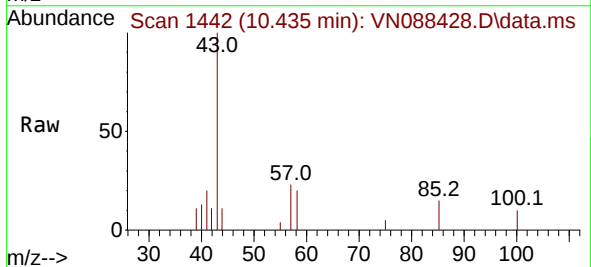
Instrument :
MSVOA_N
ClientSampleId :
PB170786TB

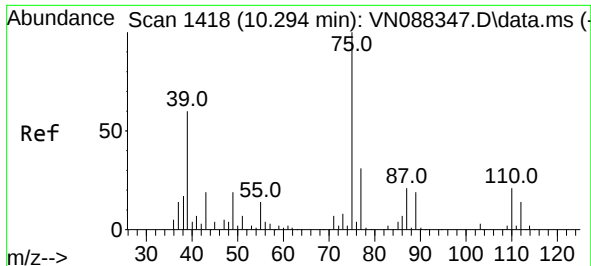
Tgt Ion: 98 Resp: 526796
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 2.546 ug/l
RT: 10.435 min Scan# 1442
Delta R.T. 0.012 min
Lab File: VN088428.D
Acq: 03 Dec 2025 14:54

Tgt Ion: 43 Resp: 13334
Ion Ratio Lower Upper
43 100
58 20.9 29.1 43.7#

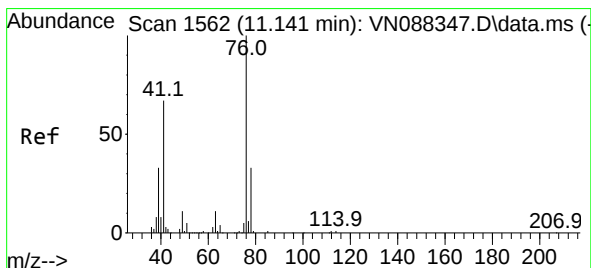
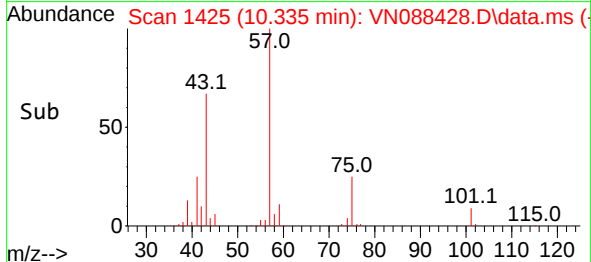
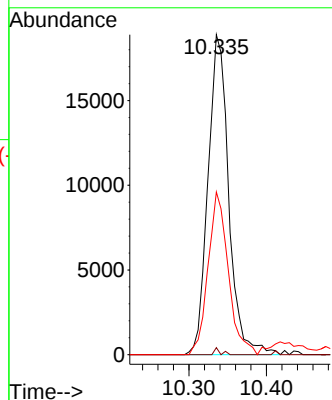
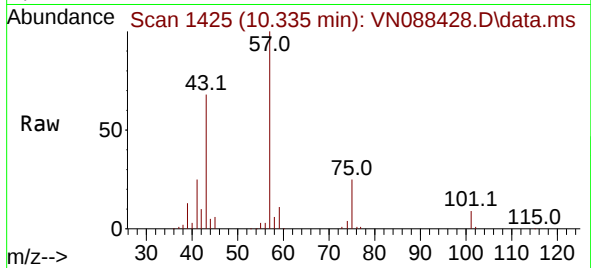




#54
 cis-1,3-Dichloropropene
 Concen: 6.719 ug/l
 RT: 10.335 min Scan# 1418
 Delta R.T. 0.041 min
 Lab File: VN088428.D
 Acq: 03 Dec 2025 14:54

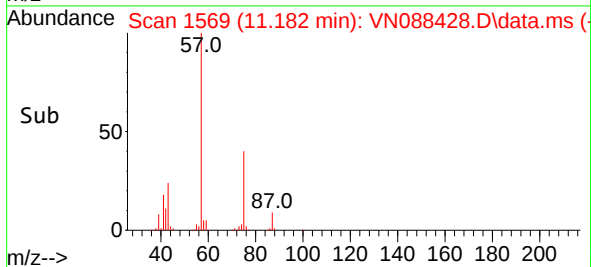
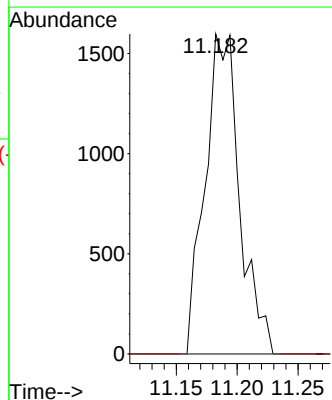
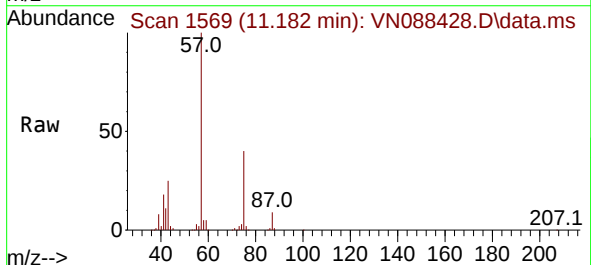
Instrument :
 MSVOA_N
 ClientSampleId :
 PB170786TB

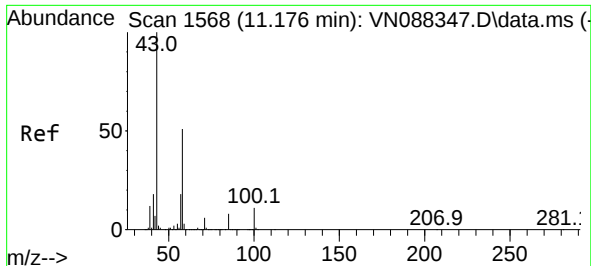
Tgt Ion: 75 Resp: 35129
 Ion Ratio Lower Upper
 75 100
 77 2.2 24.5 36.7#
 39 50.8 48.3 72.5



#57
 1,3-Dichloropropane
 Concen: 0.605 ug/l
 RT: 11.182 min Scan# 1569
 Delta R.T. 0.041 min
 Lab File: VN088428.D
 Acq: 03 Dec 2025 14:54

Tgt Ion: 76 Resp: 3166
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.4#

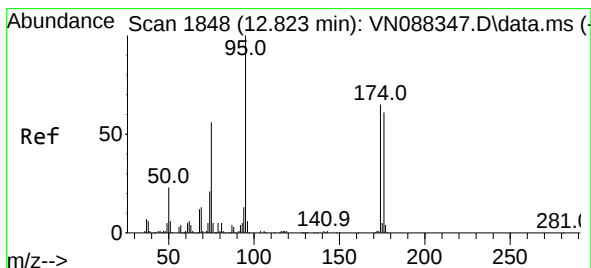
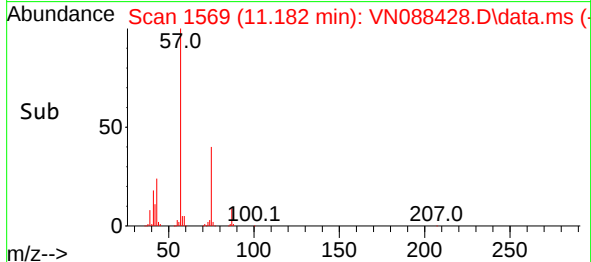
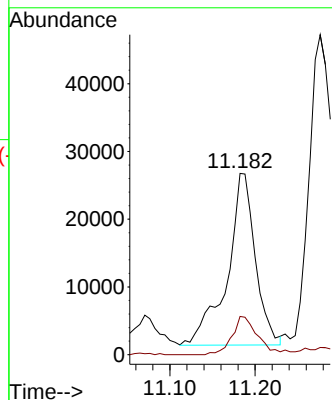
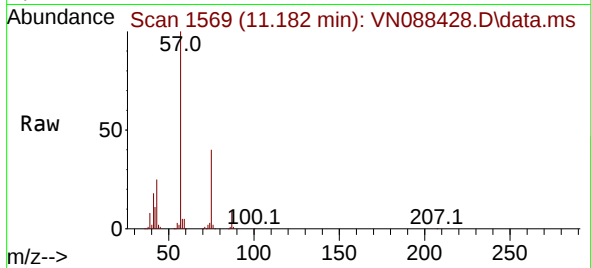




#59
2-Hexanone
Concen: 17.667 ug/l
RT: 11.182 min Scan# 1569
Delta R.T. 0.006 min
Lab File: VN088428.D
Acq: 03 Dec 2025 14:54

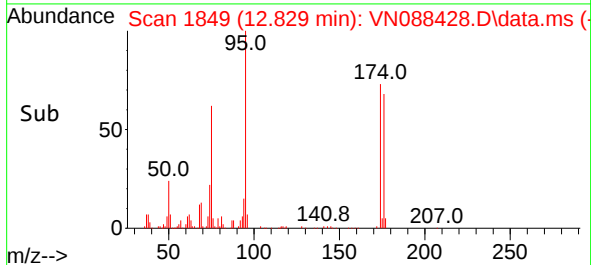
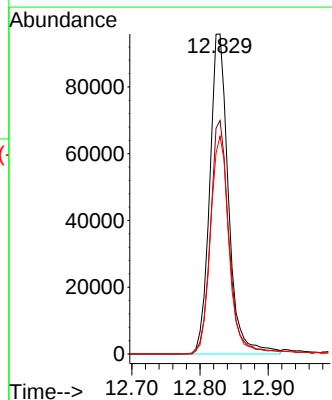
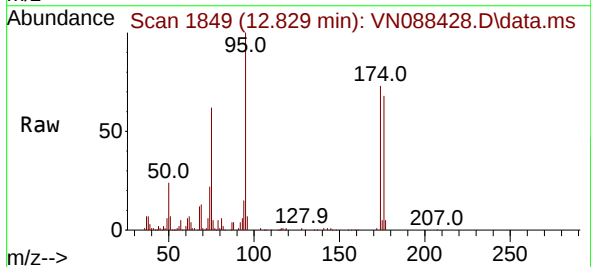
Instrument :
MSVOA_N
ClientSampleId :
PB170786TB

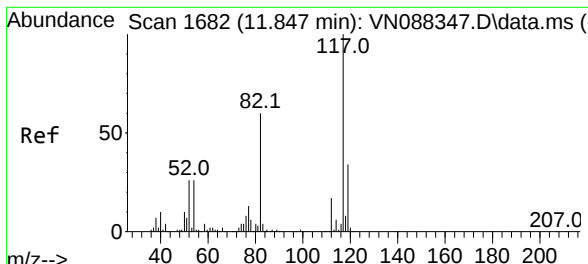
Tgt Ion: 43 Resp: 58297
Ion Ratio Lower Upper
43 100
58 20.8 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 50.066 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088428.D
Acq: 03 Dec 2025 14:54

Tgt Ion: 95 Resp: 183207
Ion Ratio Lower Upper
95 100
174 71.7 0.0 139.0
176 68.9 0.0 132.4

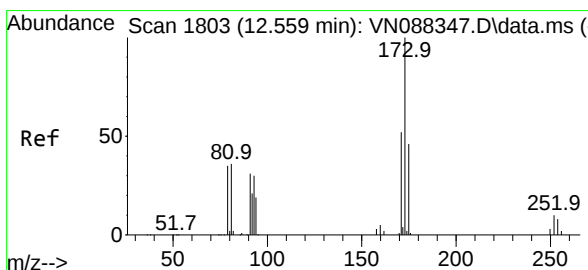
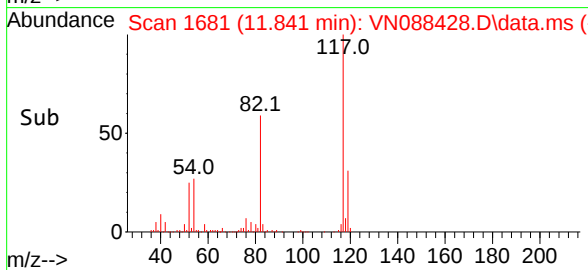
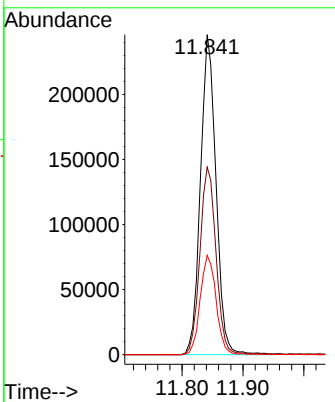
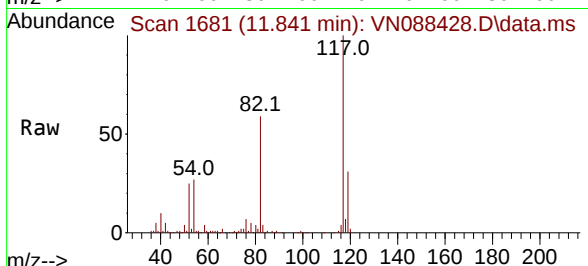




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN088428.D
Acq: 03 Dec 2025 14:54

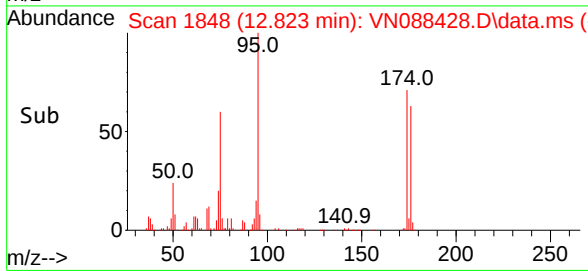
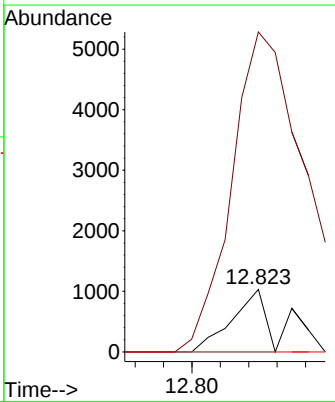
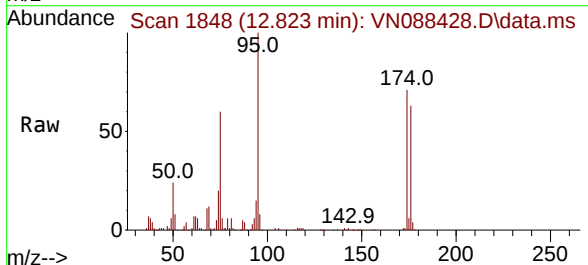
Instrument :
MSVOA_N
ClientSampleId :
PB170786TB

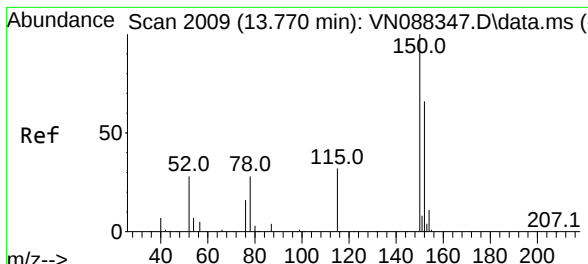
Tgt Ion:	117	Resp:	436554
Ion	Ratio	Lower	Upper
117	100		
82	58.6	47.8	71.8
119	31.1	26.9	40.3



#71
Bromoform
Concen: 0.346 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. 0.265 min
Lab File: VN088428.D
Acq: 03 Dec 2025 14:54

Tgt Ion:	173	Resp:	839
Ion	Ratio	Lower	Upper
173	100		
175	888.1	23.9	71.8#
254	0.0	0.1	0.1#

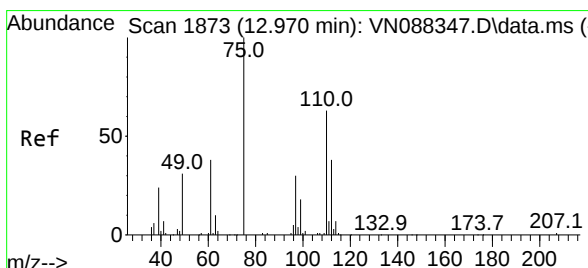
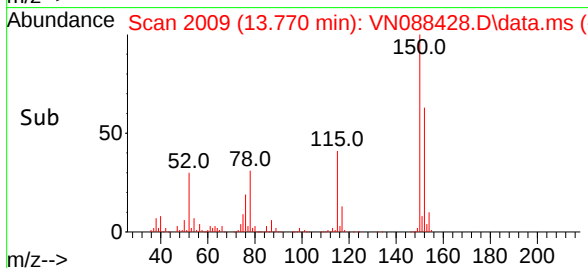
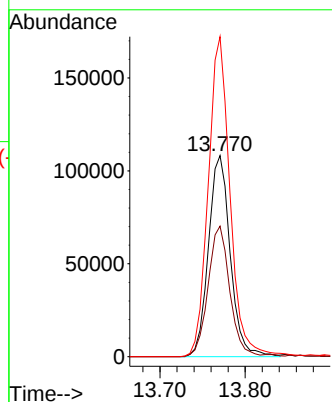
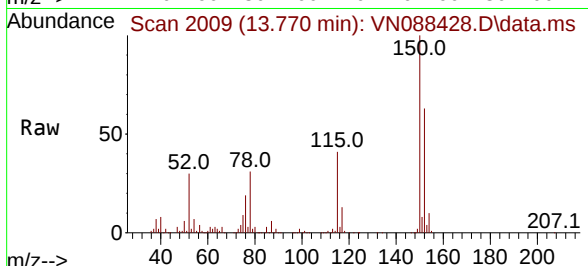




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 2009
 Delta R.T. 0.000 min
 Lab File: VN088428.D
 Acq: 03 Dec 2025 14:54

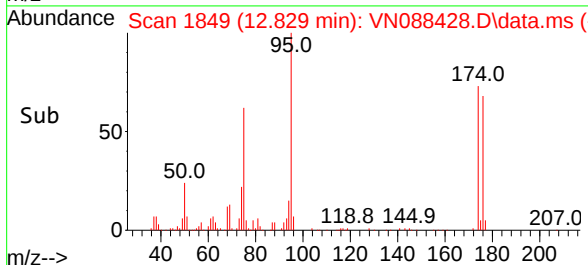
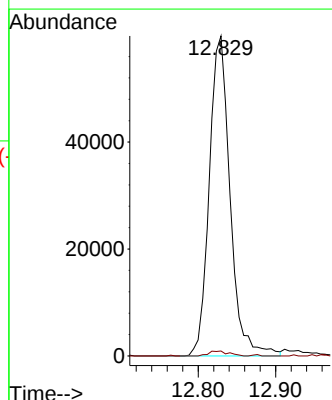
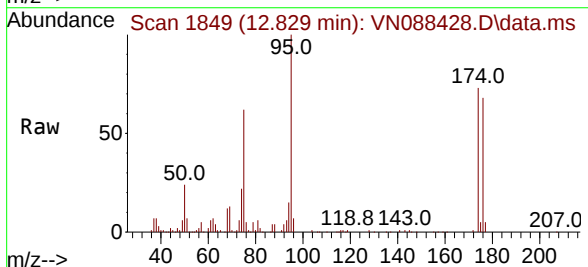
Instrument :
 MSVOA_N
 ClientSampleId :
 PB170786TB

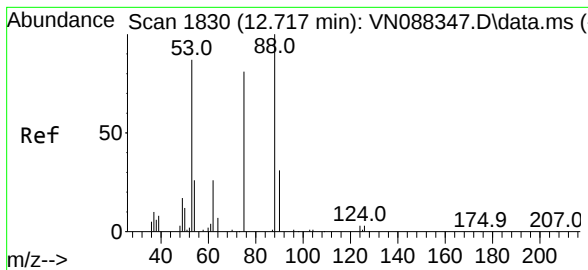
Tgt Ion:152 Resp: 192937
 Ion Ratio Lower Upper
 152 100
 115 65.0 33.0 98.9
 150 159.3 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 24.791 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. -0.141 min
 Lab File: VN088428.D
 Acq: 03 Dec 2025 14:54

Tgt Ion: 75 Resp: 112027
 Ion Ratio Lower Upper
 75 100
 77 1.5 87.2 261.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.330 ug/l
 RT: 12.829 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN088428.D
 Acq: 03 Dec 2025 14:54

Instrument :
 MSVOA_N
 ClientSampleId :
 PB170786TB

Tgt Ion: 75 Resp: 112027
 Ion Ratio Lower Upper
 75 100
 53 0.3 92.2 138.4#
 89 0.2 0.0 0.0#

