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 Data File : VN086416.D
 Acq On : 28 Apr 2025 17:10
 Operator : JC\MD
 Sample : PB167744ZHE#13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167744ZHE#13

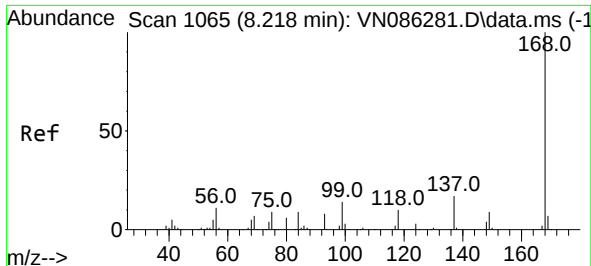
Quant Time: Apr 29 01:56:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	168706	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	321100	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	299873	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	127780	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	122339	50.008	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.020%	
35) Dibromofluoromethane	8.165	113	80776	54.202	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 108.400%	
50) Toluene-d8	10.565	98	407439	51.156	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.320%	
62) 4-Bromofluorobenzene	12.847	95	143038	49.237	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 98.480%	
Target Compounds						Qvalue
3) Chloromethane	2.359	50	823	0.283	ug/l #	42
11) Tert butyl alcohol	5.518	59	1248	2.796	ug/l #	72
16) Acetone	4.430	43	66757	74.929	ug/l	100
18) Methyl Acetate	5.030	43	3685	1.255	ug/l #	63
20) Methylene Chloride	5.265	84	3710	1.640	ug/l #	75
25) 2-Butanone	7.488	43	7160	4.702	ug/l	96
29) Tetrahydrofuran	7.853	42	672	0.660	ug/l #	54
31) Cyclohexane	8.224	56	4117	1.038	ug/l #	12
36) 1,1-Dichloropropene	8.218	75	14811	4.976	ug/l #	49
37) Ethyl Acetate	7.559	43	691	0.221	ug/l #	68
38) Carbon Tetrachloride	8.224	117	17571	6.199	ug/l #	16
43) Isopropyl Acetate	8.688	43	39619	5.274	ug/l #	77
45) 1,2-Dichloropropane	9.735	63	894	0.383	ug/l #	43
48) Methyl methacrylate	9.741	41	68810	25.004	ug/l #	43
51) 4-Methyl-2-Pentanone	10.441	43	4897	1.526	ug/l	98
54) cis-1,3-Dichloropropene	10.353	75	33690	8.554	ug/l #	61
57) 1,3-Dichloropropane	11.200	76	3130	0.824	ug/l #	43
59) 2-Hexanone	11.200	43	58985	24.782	ug/l #	42
71) Bromoform	12.847	173	813	0.489	ug/l #	1
74) N-amyl acetate	12.453	43	3739	0.719	ug/l #	43
76) 1,2,3-Trichloropropane	12.847	75	74391	24.670	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	74391	59.249	ug/l #	10

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

Quant Time: Apr 29 01:56:38 2025
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QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

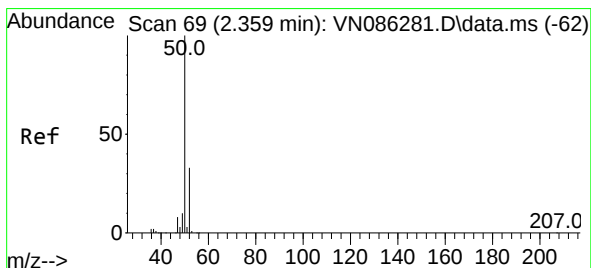
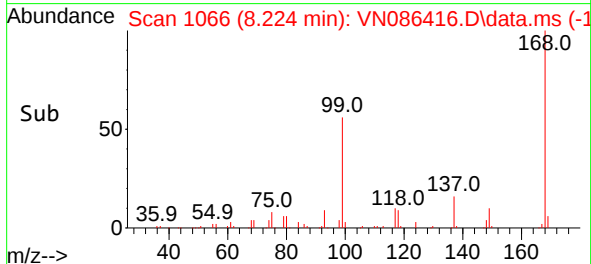
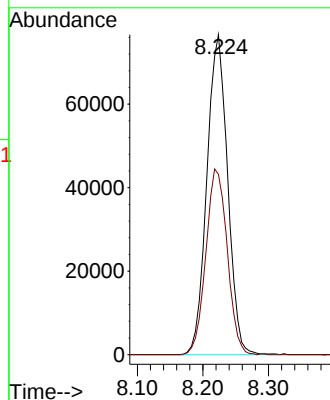
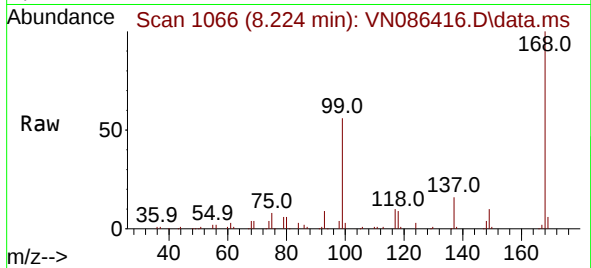




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086416.D
Acq: 28 Apr 2025 17:10

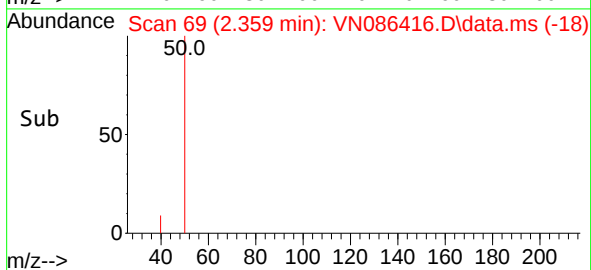
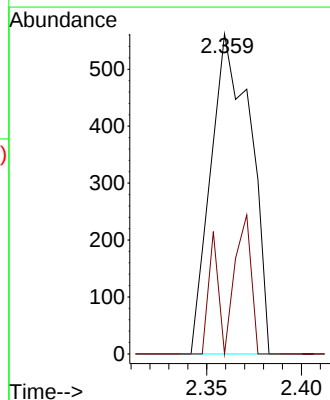
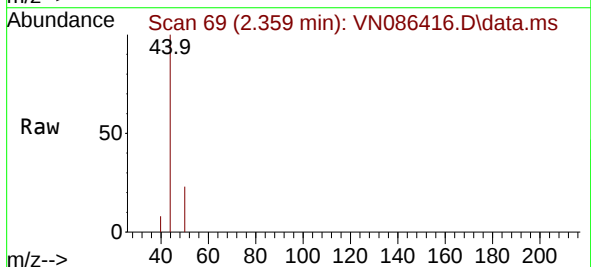
Instrument :
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PB167744ZHE#13

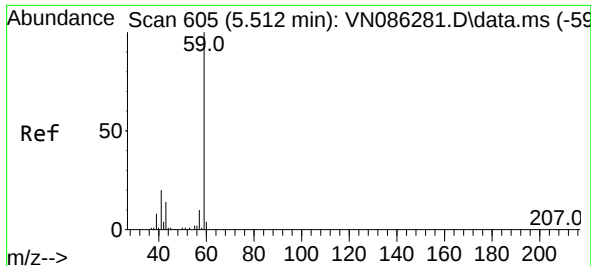
Tgt Ion:168 Resp: 168706
Ion Ratio Lower Upper
168 100
99 56.4 52.5 78.7



#3
Chloromethane
Concen: 0.283 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086416.D
Acq: 28 Apr 2025 17:10

Tgt Ion: 50 Resp: 823
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

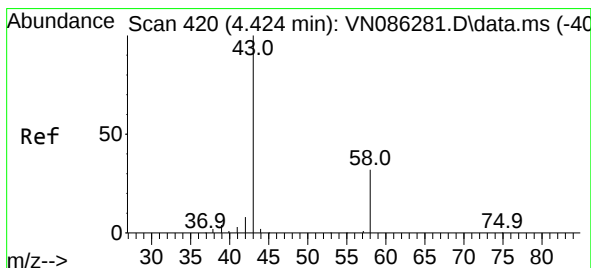
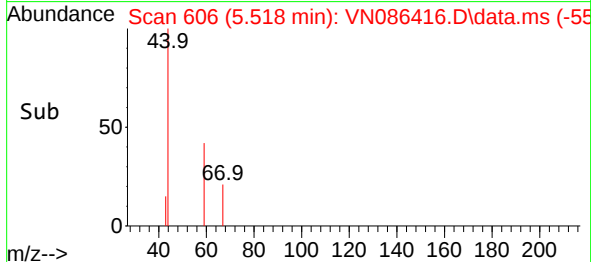
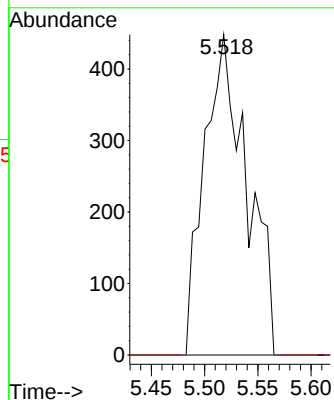
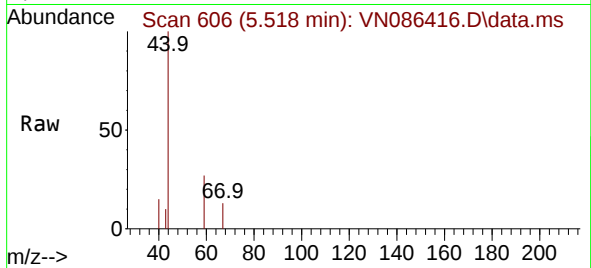




#11
Tert butyl alcohol
Concen: 2.796 ug/l
RT: 5.518 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN086416.D
Acq: 28 Apr 2025 17:10

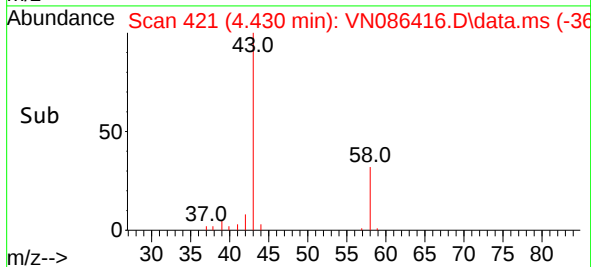
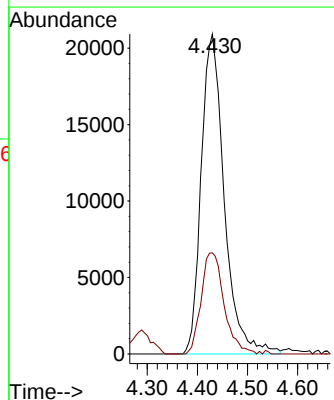
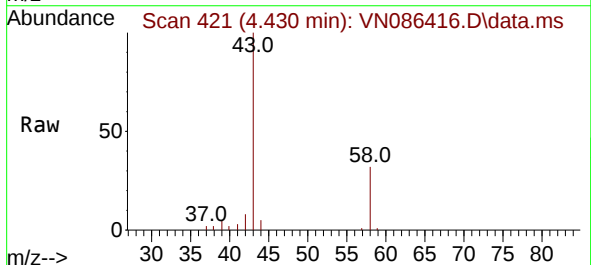
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#13

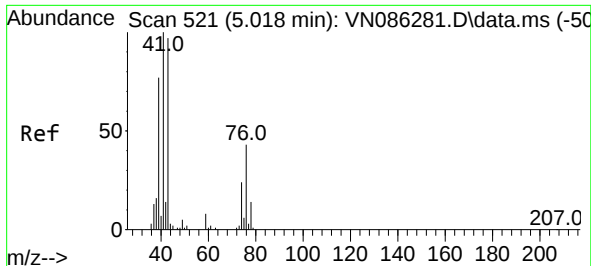
Tgt Ion: 59 Resp: 1248
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 74.929 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086416.D
Acq: 28 Apr 2025 17:10

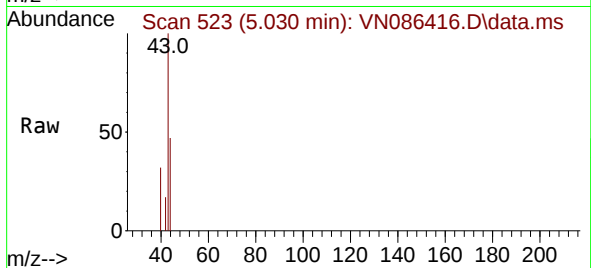
Tgt Ion: 43 Resp: 66757
Ion Ratio Lower Upper
43 100
58 31.6 25.3 37.9



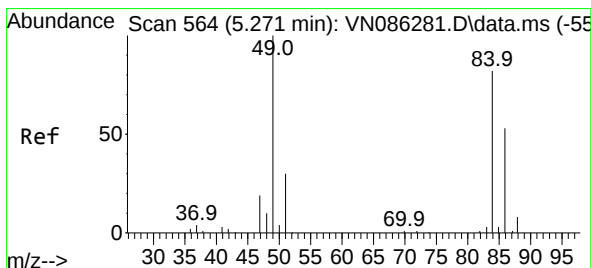
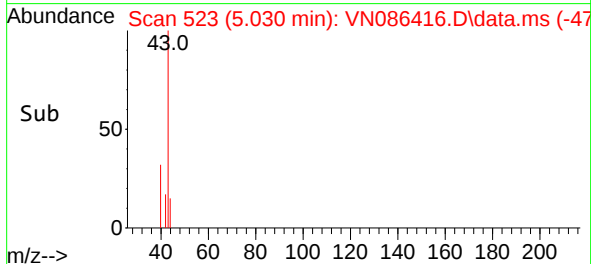
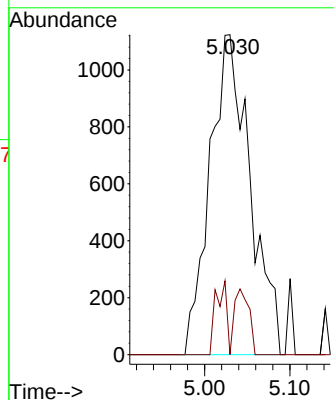


#18
Methyl Acetate
Concen: 1.255 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN086416.D
Acq: 28 Apr 2025 17:10

Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#13

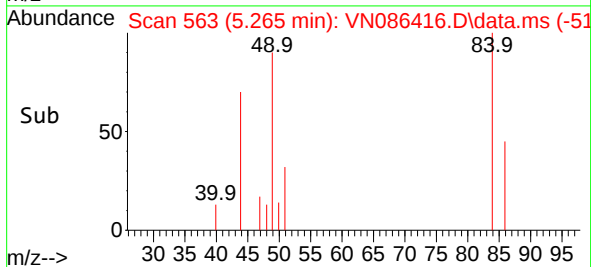
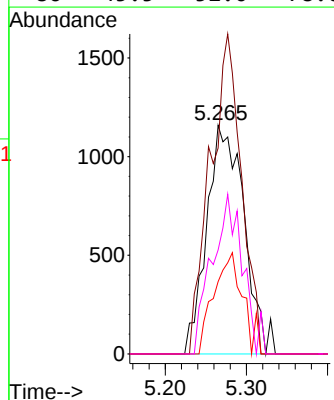
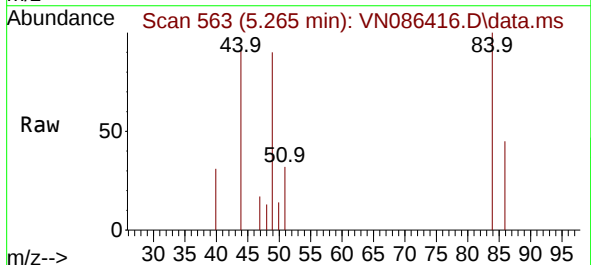


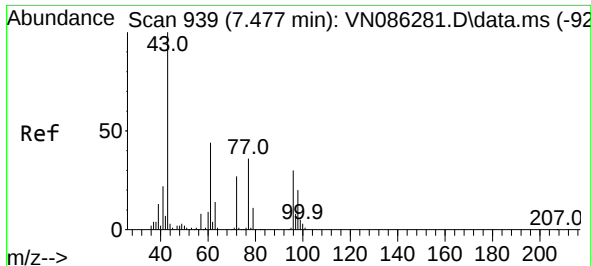
Tgt Ion: 43 Resp: 3685
Ion Ratio Lower Upper
43 100
74 6.3 19.8 29.6#



#20
Methylene Chloride
Concen: 1.640 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.006 min
Lab File: VN086416.D
Acq: 28 Apr 2025 17:10

Tgt Ion: 84 Resp: 3710
Ion Ratio Lower Upper
84 100
49 90.1 98.2 147.2#
51 31.6 29.8 44.6
86 45.5 52.0 78.0#

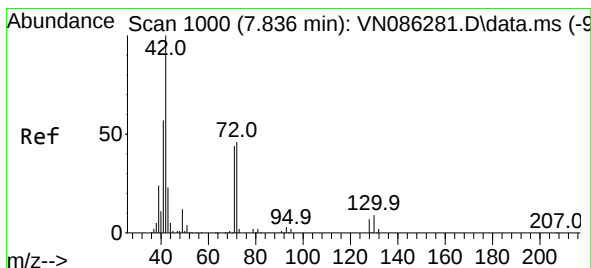
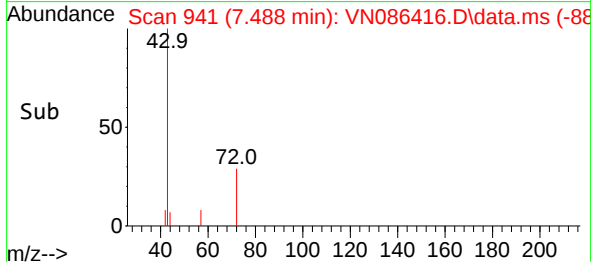
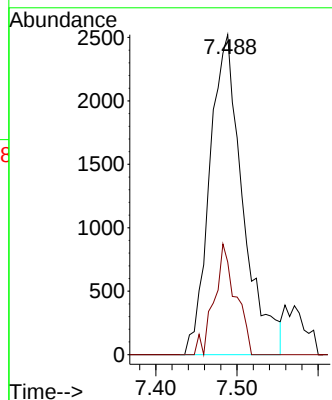
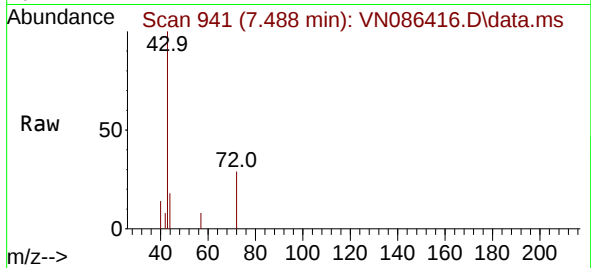




#25
2-Butanone
Concen: 4.702 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN086416.D
Acq: 28 Apr 2025 17:10

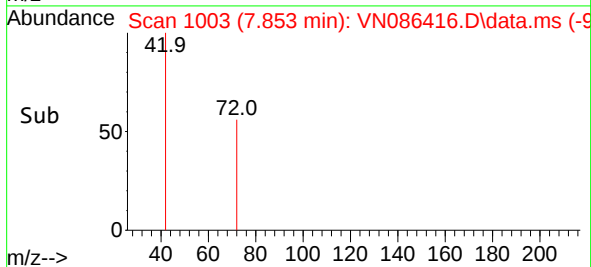
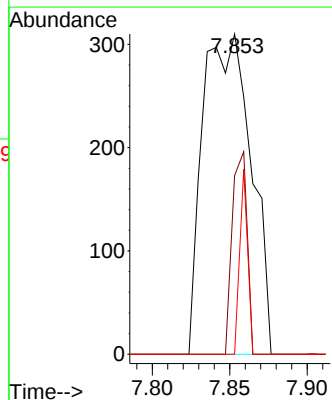
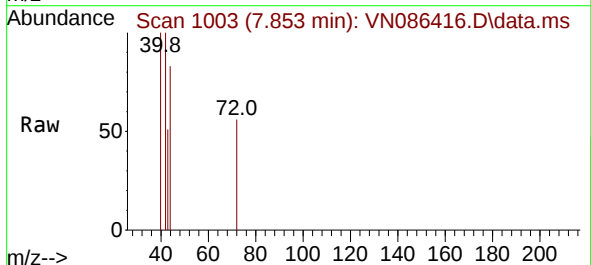
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#13

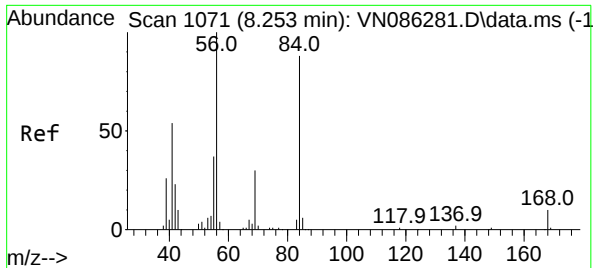
Tgt Ion: 43 Resp: 7160
Ion Ratio Lower Upper
43 100
72 28.9 21.7 32.5



#29
Tetrahydrofuran
Concen: 0.660 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.018 min
Lab File: VN086416.D
Acq: 28 Apr 2025 17:10

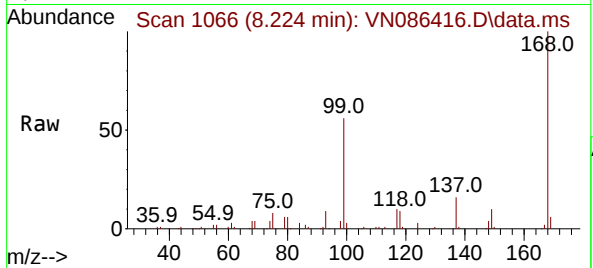
Tgt Ion: 42 Resp: 672
Ion Ratio Lower Upper
42 100
72 19.3 36.2 54.4#
71 9.4 34.0 51.0#



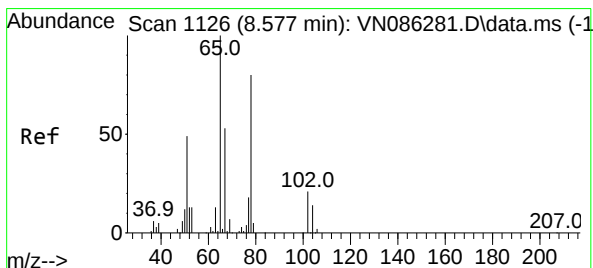
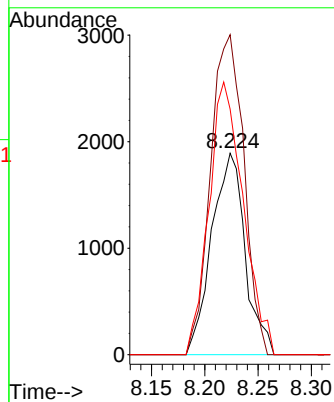
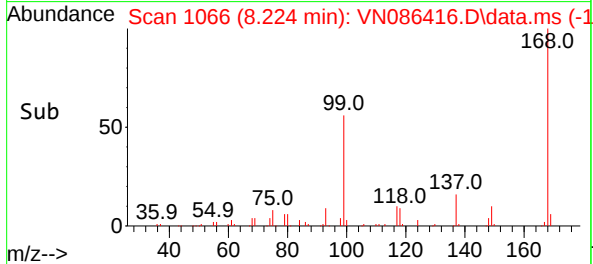


#31
Cyclohexane
Concen: 1.038 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN086416.D
Acq: 28 Apr 2025 17:10

Instrument :
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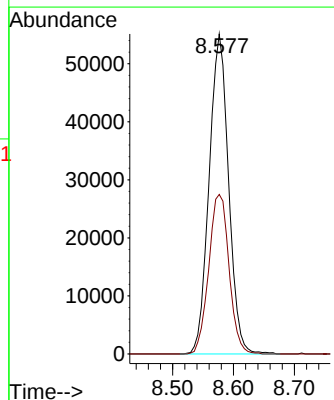
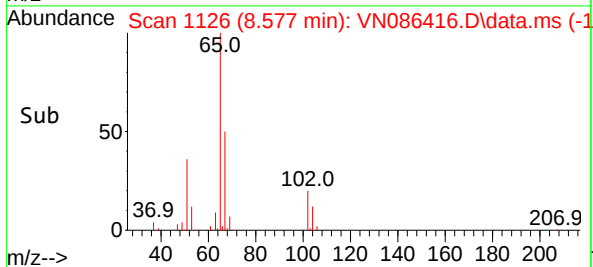
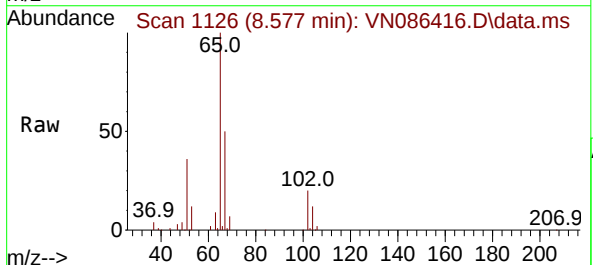


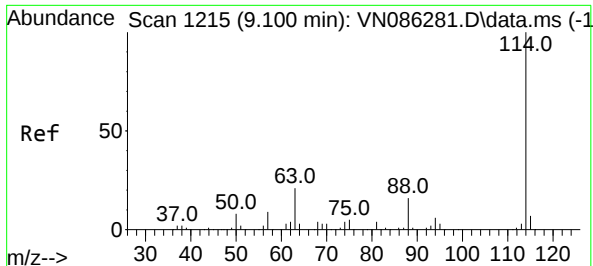
Tgt Ion: 56 Resp: 4117
Ion Ratio Lower Upper
56 100
69 158.9 24.2 36.2#
84 122.0 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 50.008 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086416.D
Acq: 28 Apr 2025 17:10

Tgt Ion: 65 Resp: 122339
Ion Ratio Lower Upper
65 100
67 52.0 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086416.D

Acq: 28 Apr 2025 17:10

Instrument :

MSVOA_N

ClientSampleId :

PB167744ZHE#13

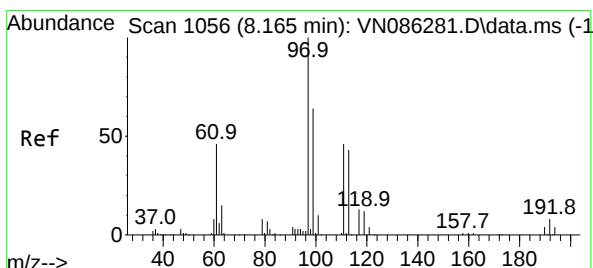
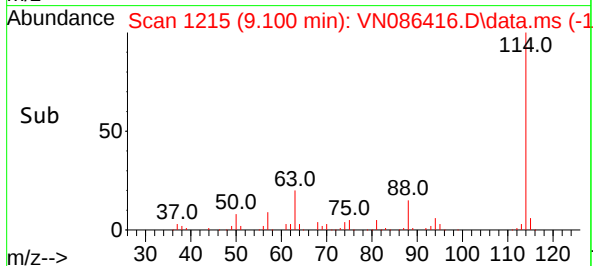
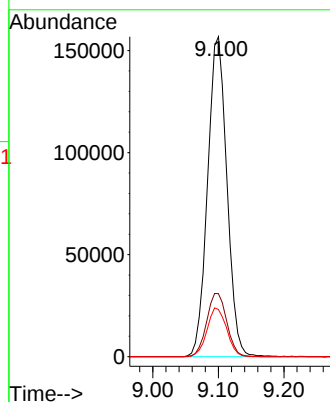
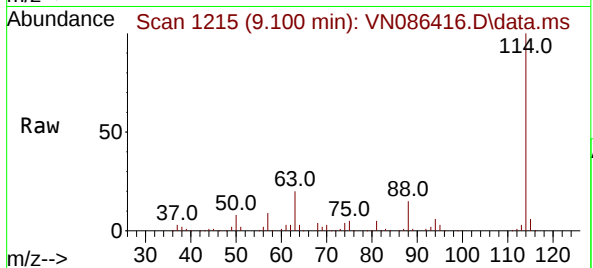
Tgt Ion:114 Resp: 321100

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.6

88 14.8 0.0 31.8



#35

Dibromofluoromethane

Concen: 54.202 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086416.D

Acq: 28 Apr 2025 17:10

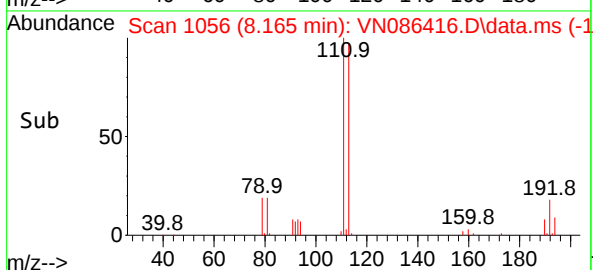
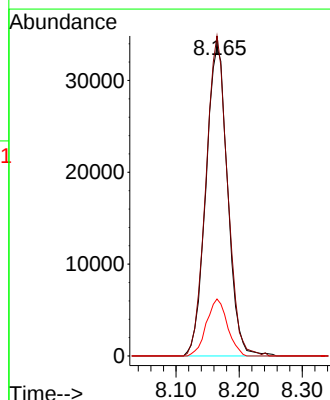
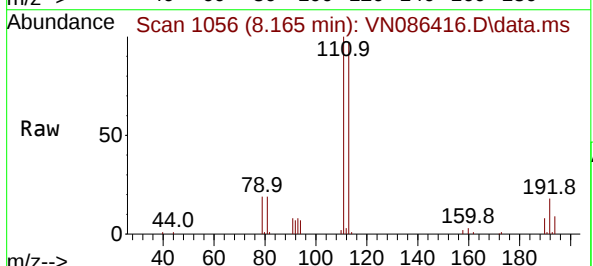
Tgt Ion:113 Resp: 80776

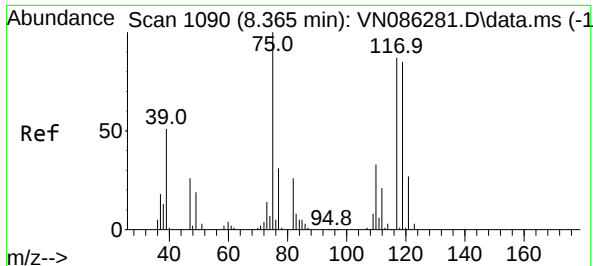
Ion Ratio Lower Upper

113 100

111 101.9 83.4 125.0

192 17.7 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.976 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086416.D

Acq: 28 Apr 2025 17:10

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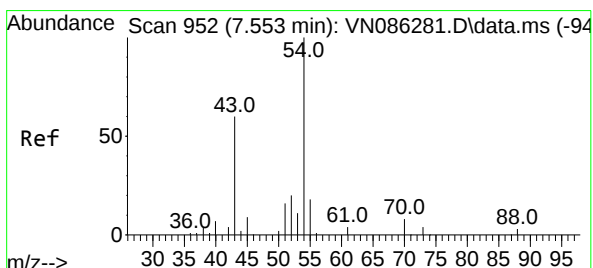
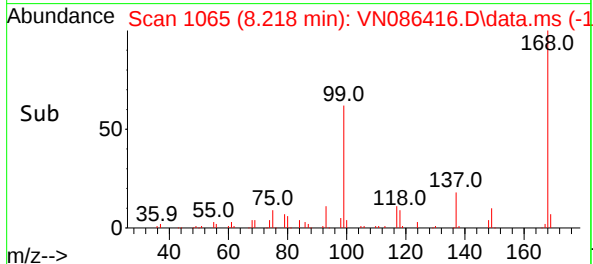
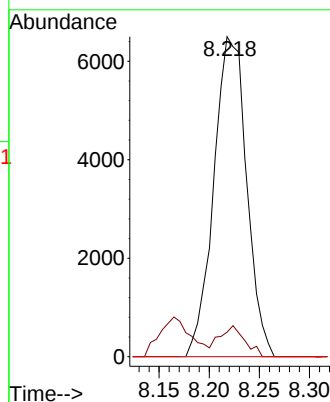
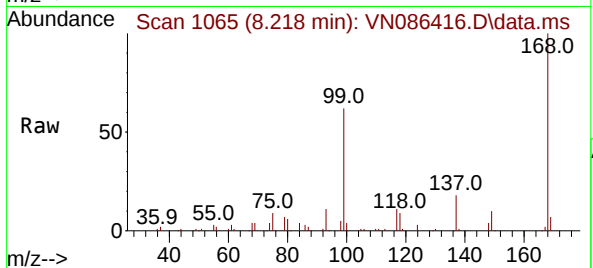
Tgt Ion: 75 Resp: 14811

Ion Ratio Lower Upper

75 100

110 7.4 16.8 50.4#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 0.221 ug/l

RT: 7.559 min Scan# 953

Delta R.T. 0.006 min

Lab File: VN086416.D

Acq: 28 Apr 2025 17:10

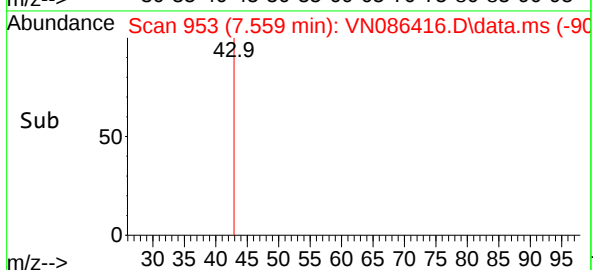
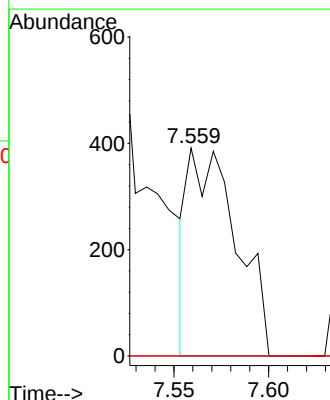
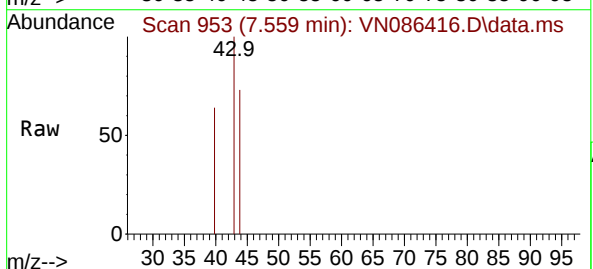
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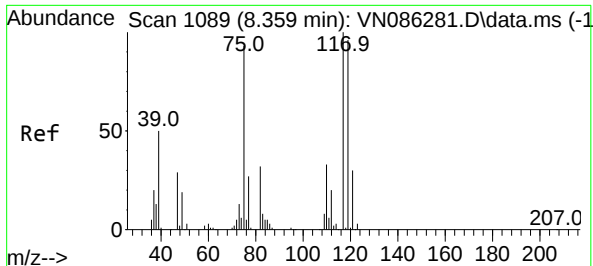
Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

70 0.0 9.2 13.8#

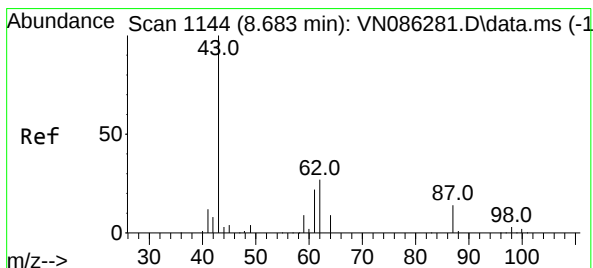
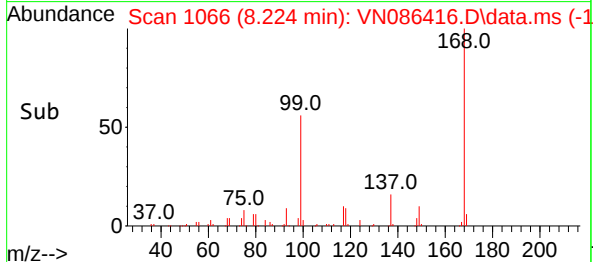
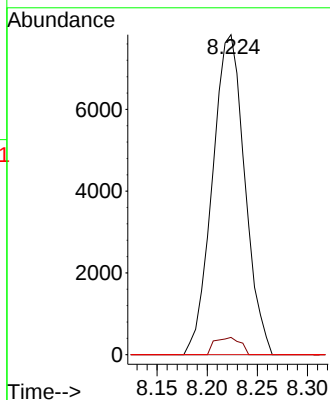
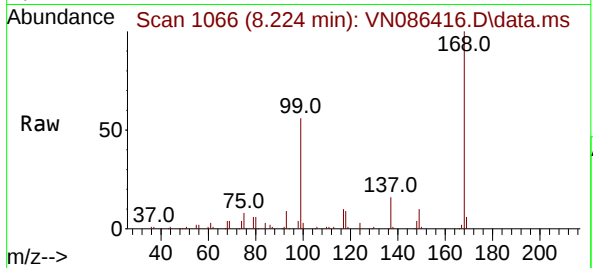




#38
Carbon Tetrachloride
Concen: 6.199 ug/l
RT: 8.224 min Scan# 110
Delta R.T. -0.135 min
Lab File: VN086416.D
Acq: 28 Apr 2025 17:10

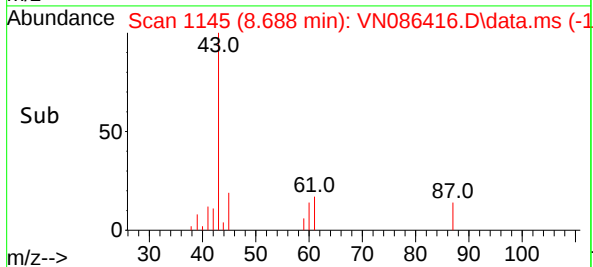
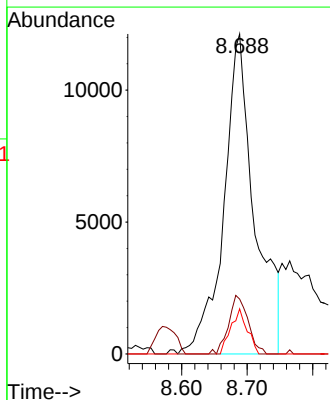
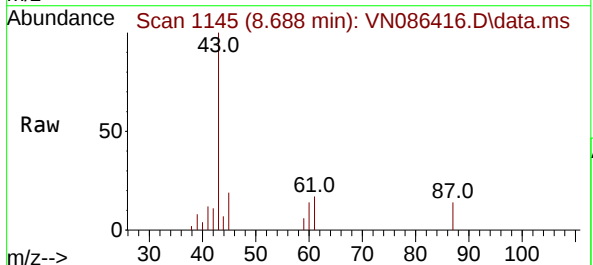
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#13

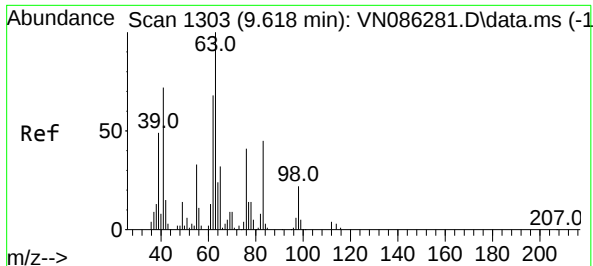
Tgt Ion:117 Resp: 17571
Ion Ratio Lower Upper
117 100
119 5.4 76.8 115.2#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: 5.274 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN086416.D
Acq: 28 Apr 2025 17:10

Tgt Ion: 43 Resp: 39619
Ion Ratio Lower Upper
43 100
61 11.5 20.5 30.7#
87 7.5 10.5 15.7#





#45

1,2-Dichloropropane

Concen: 0.383 ug/l

RT: 9.735 min Scan# 1

Delta R.T. 0.118 min

Lab File: VN086416.D

Acq: 28 Apr 2025 17:10

Instrument :

MSVOA_N

ClientSampleId :

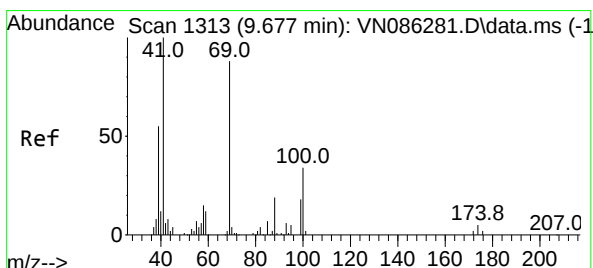
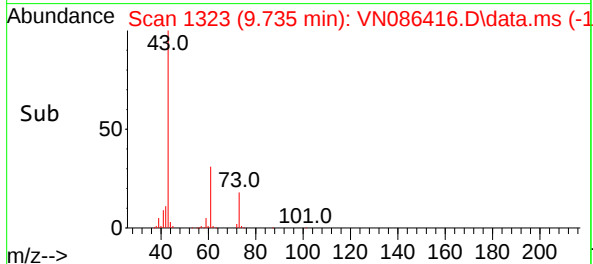
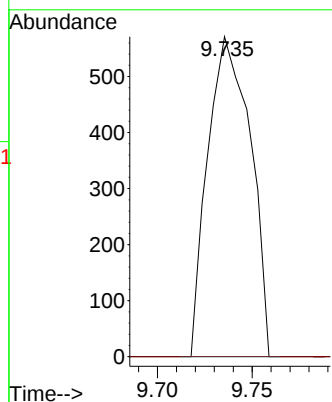
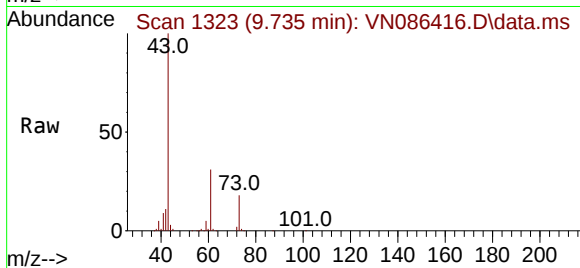
PB167744ZHE#13

Tgt Ion: 63 Resp: 894

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.2#



#48

Methyl methacrylate

Concen: 25.004 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.065 min

Lab File: VN086416.D

Acq: 28 Apr 2025 17:10

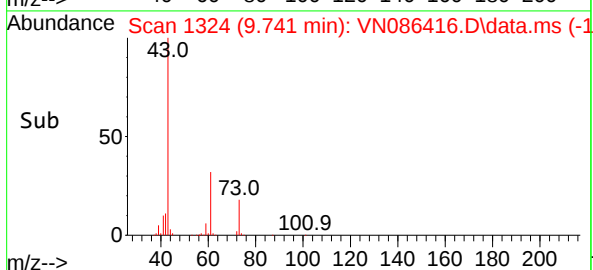
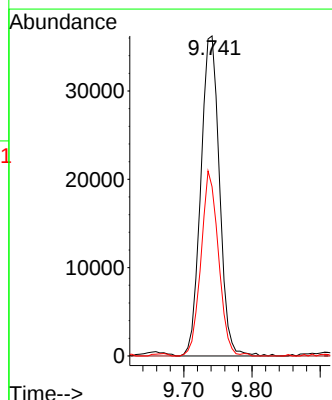
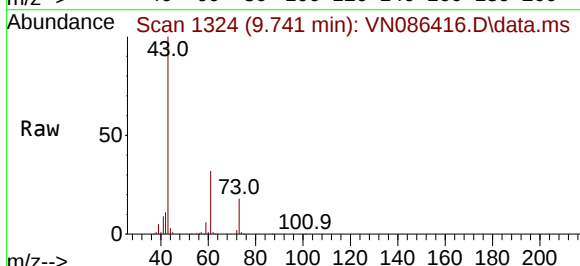
Tgt Ion: 41 Resp: 68810

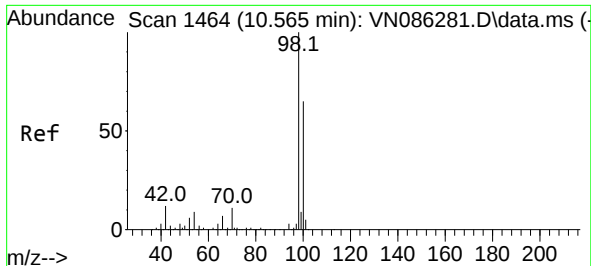
Ion Ratio Lower Upper

41 100

69 0.0 68.2 102.2#

39 54.3 45.2 67.8

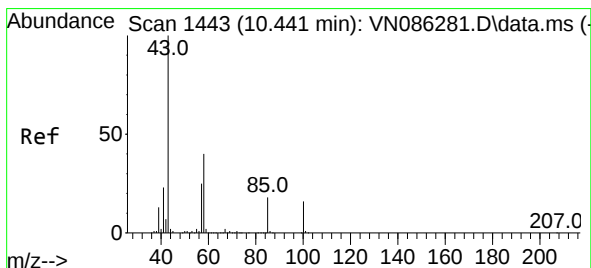
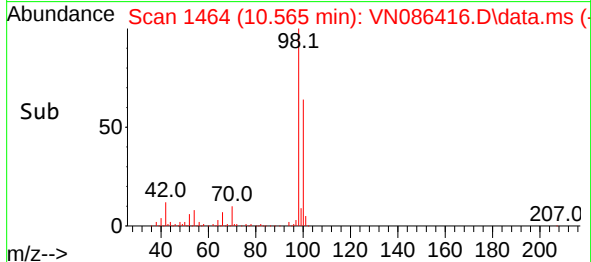
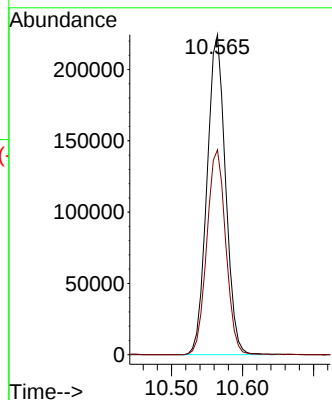
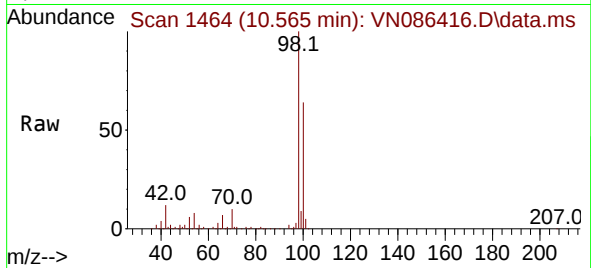




#50
Toluene-d8
Concen: 51.156 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086416.D
Acq: 28 Apr 2025 17:10

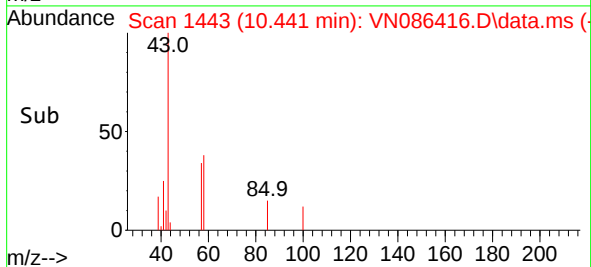
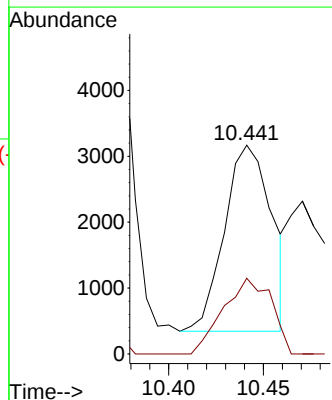
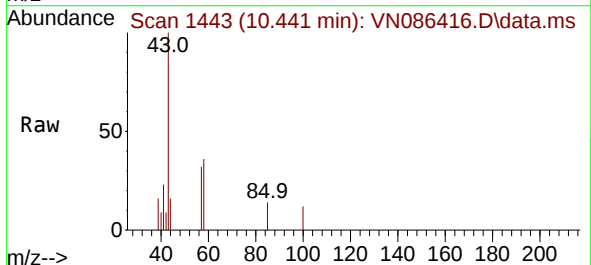
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#13

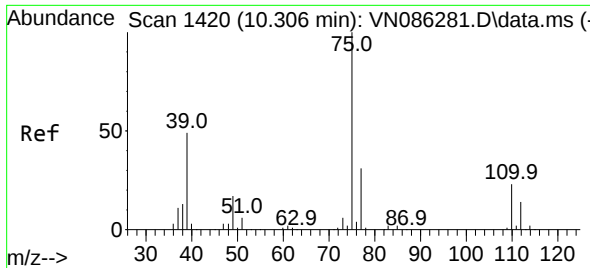
Tgt Ion: 98 Resp: 407439
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.526 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086416.D
Acq: 28 Apr 2025 17:10

Tgt Ion: 43 Resp: 4897
Ion Ratio Lower Upper
43 100
58 41.5 32.2 48.4

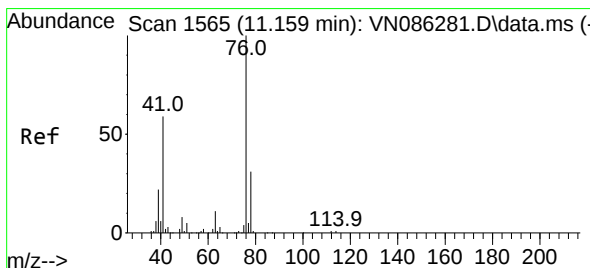
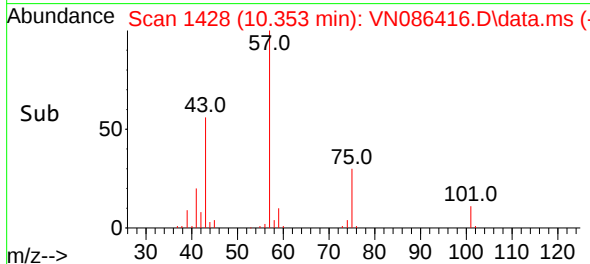
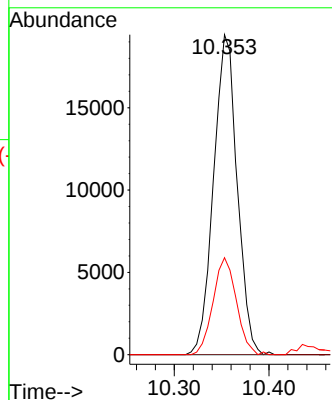
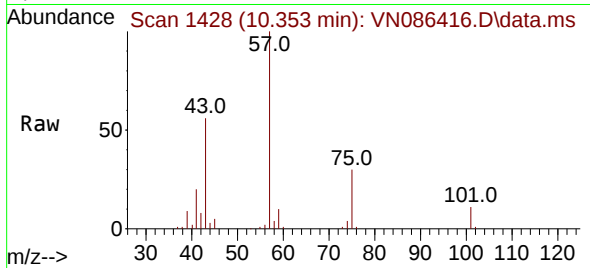




#54
cis-1,3-Dichloropropene
Concen: 8.554 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN086416.D
Acq: 28 Apr 2025 17:10

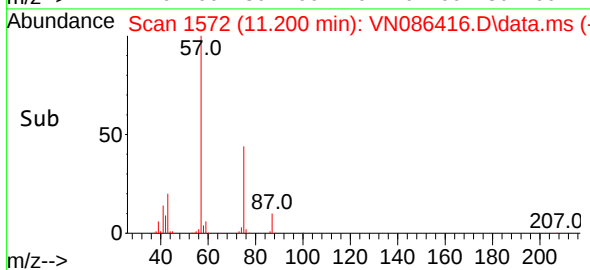
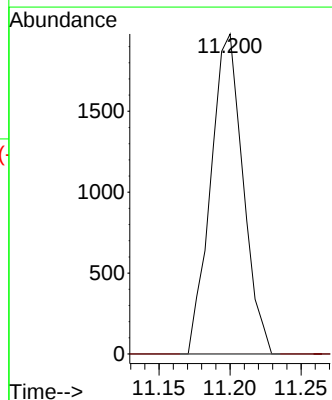
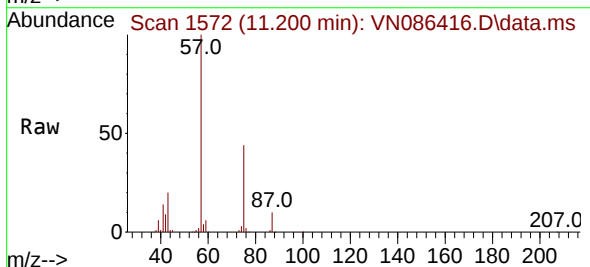
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#13

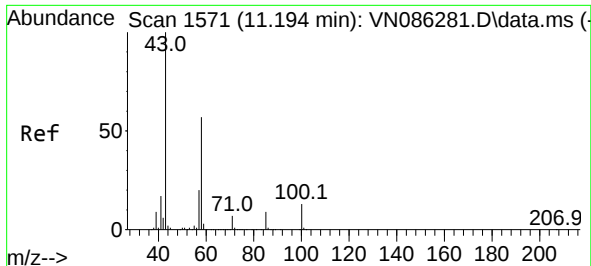
Tgt Ion: 75 Resp: 33690
Ion Ratio Lower Upper
75 100
77 0.0 25.2 37.8#
39 30.3 39.3 58.9#



#57
1,3-Dichloropropane
Concen: 0.824 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN086416.D
Acq: 28 Apr 2025 17:10

Tgt Ion: 76 Resp: 3130
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

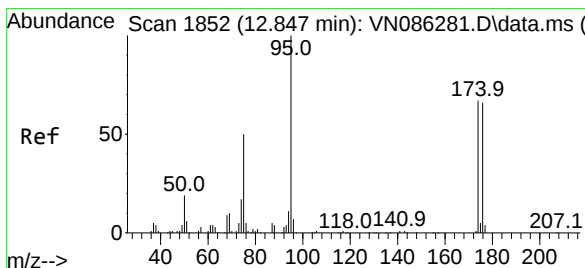
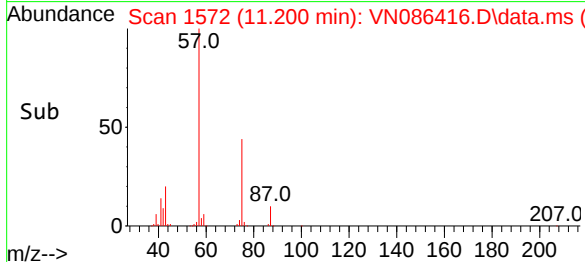
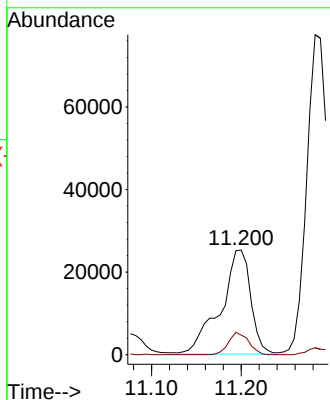
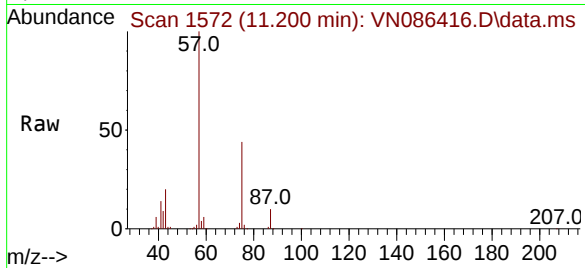




#59
2-Hexanone
Concen: 24.782 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086416.D
Acq: 28 Apr 2025 17:10

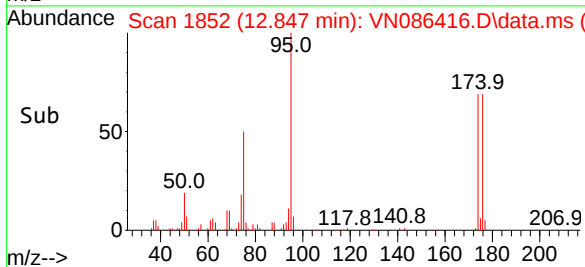
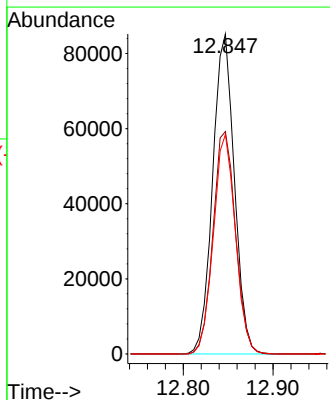
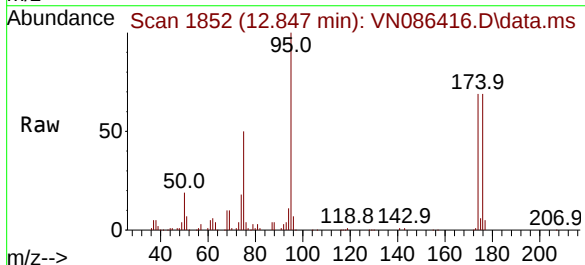
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#13

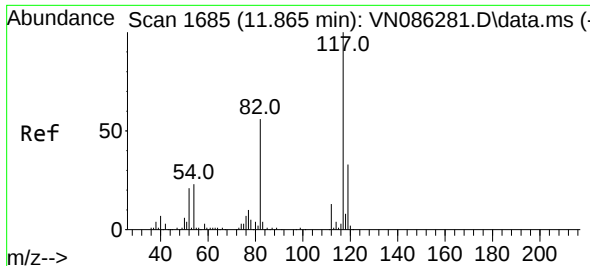
Tgt Ion: 43 Resp: 58985
Ion Ratio Lower Upper
43 100
58 14.3 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: 49.237 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086416.D
Acq: 28 Apr 2025 17:10

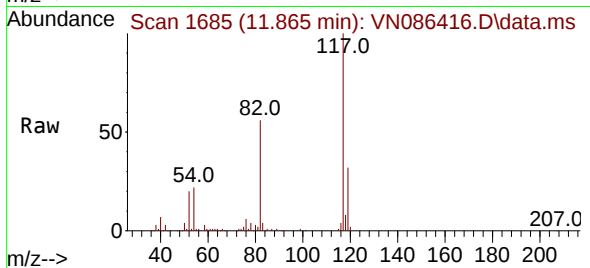
Tgt Ion: 95 Resp: 143038
Ion Ratio Lower Upper
95 100
174 72.3 0.0 133.4
176 69.5 0.0 129.2



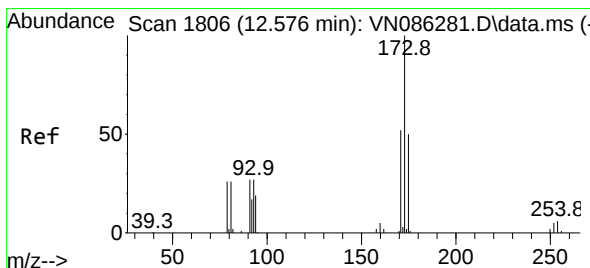
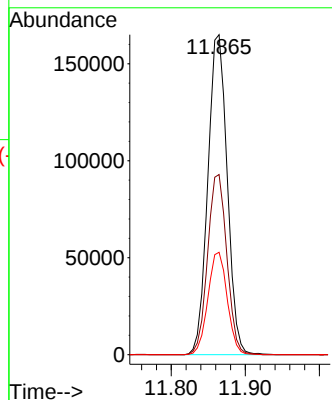
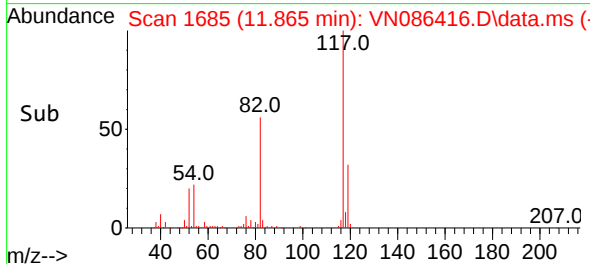


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086416.D
Acq: 28 Apr 2025 17:10

Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#13

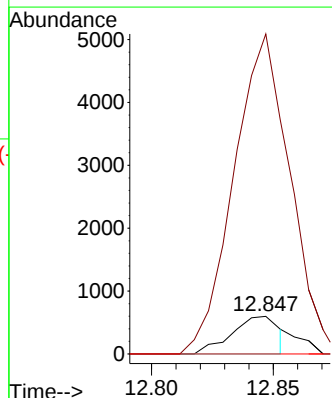
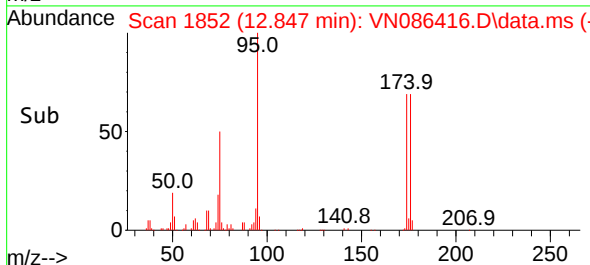
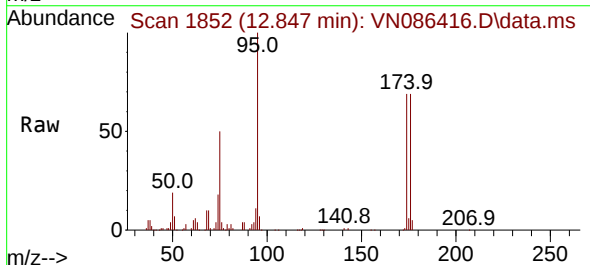


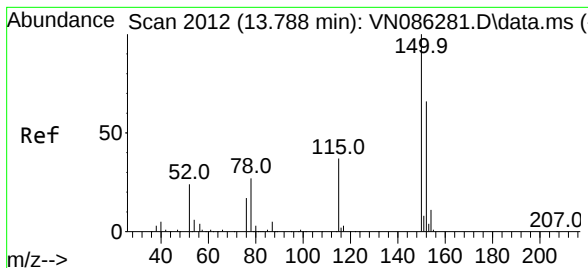
Tgt Ion:117 Resp: 299873
Ion Ratio Lower Upper
117 100
82 56.3 44.7 67.1
119 32.0 26.4 39.6



#71
Bromoform
Concen: 0.489 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN086416.D
Acq: 28 Apr 2025 17:10

Tgt Ion:173 Resp: 813
Ion Ratio Lower Upper
173 100
175 831.1 24.6 73.6#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN086416.D

Acq: 28 Apr 2025 17:10

Instrument :

MSVOA_N

ClientSampleId :

PB167744ZHE#13

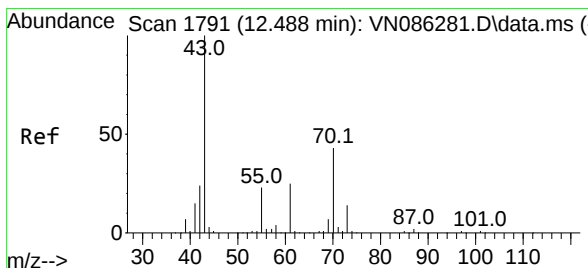
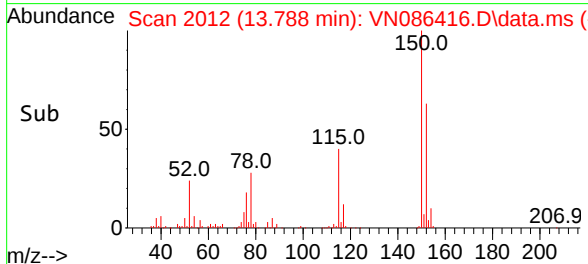
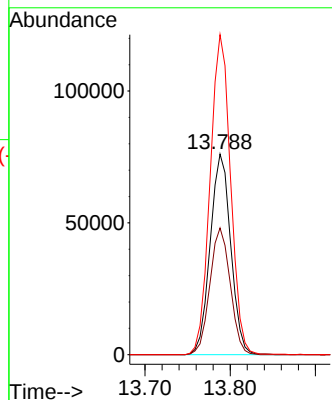
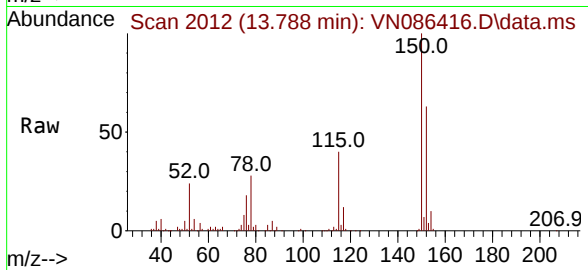
Tgt Ion:152 Resp: 127780

Ion Ratio Lower Upper

152 100

115 62.5 31.9 95.9

150 158.6 0.0 352.0



#74

N-ethyl acetate

Concen: 0.719 ug/l

RT: 12.453 min Scan# 1785

Delta R.T. -0.035 min

Lab File: VN086416.D

Acq: 28 Apr 2025 17:10

Tgt Ion: 43 Resp: 3739

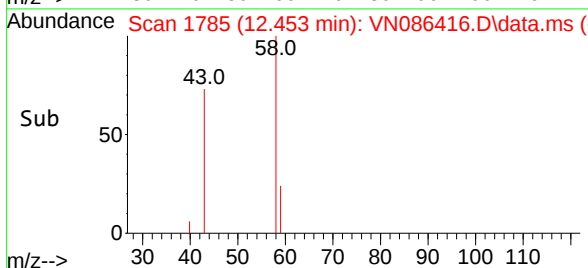
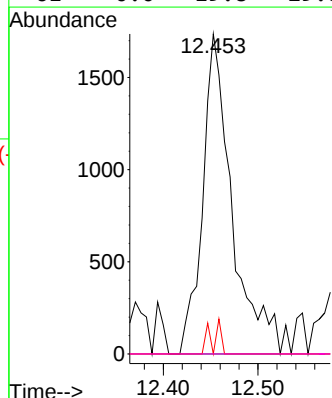
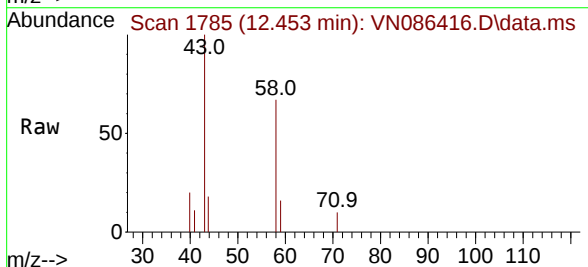
Ion Ratio Lower Upper

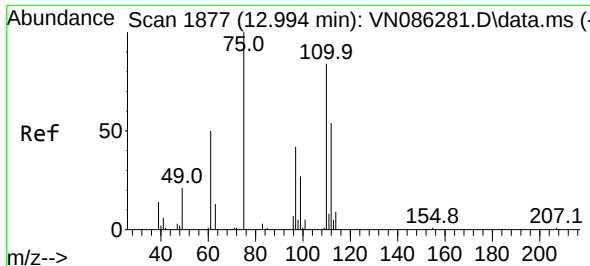
43 100

70 0.0 35.0 52.4#

55 1.6 19.0 28.4#

61 0.0 19.8 29.8#

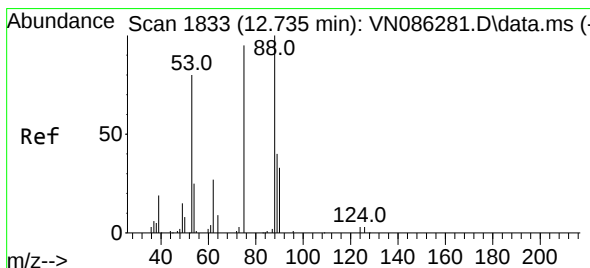
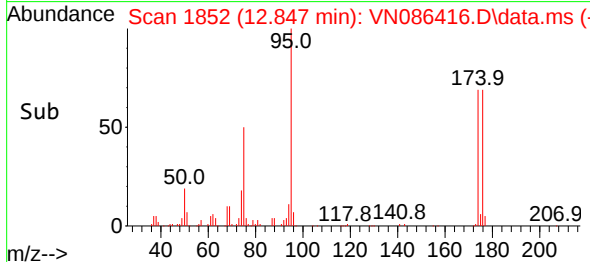
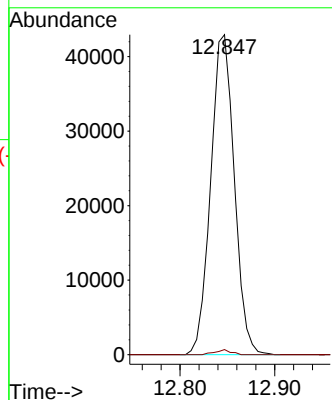
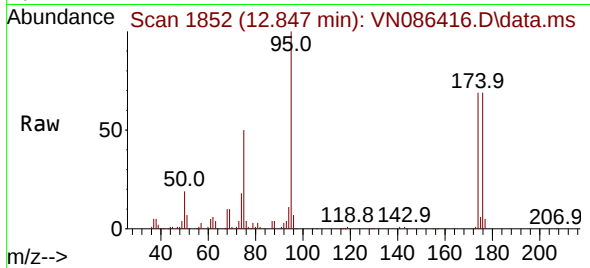




#76
1,2,3-Trichloropropane
Concen: 24.670 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086416.D
Acq: 28 Apr 2025 17:10

Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#13

Tgt Ion: 75 Resp: 74391
Ion Ratio Lower Upper
75 100
77 1.0 98.8 296.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.249 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086416.D
Acq: 28 Apr 2025 17:10

Tgt Ion: 75 Resp: 74391
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#

