

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042825\
 Data File : VN086413.D
 Acq On : 28 Apr 2025 15:57
 Operator : JC\MD
 Sample : PB167744ZHE#10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167744ZHE#10

Quant Time: Apr 29 01:55:10 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)

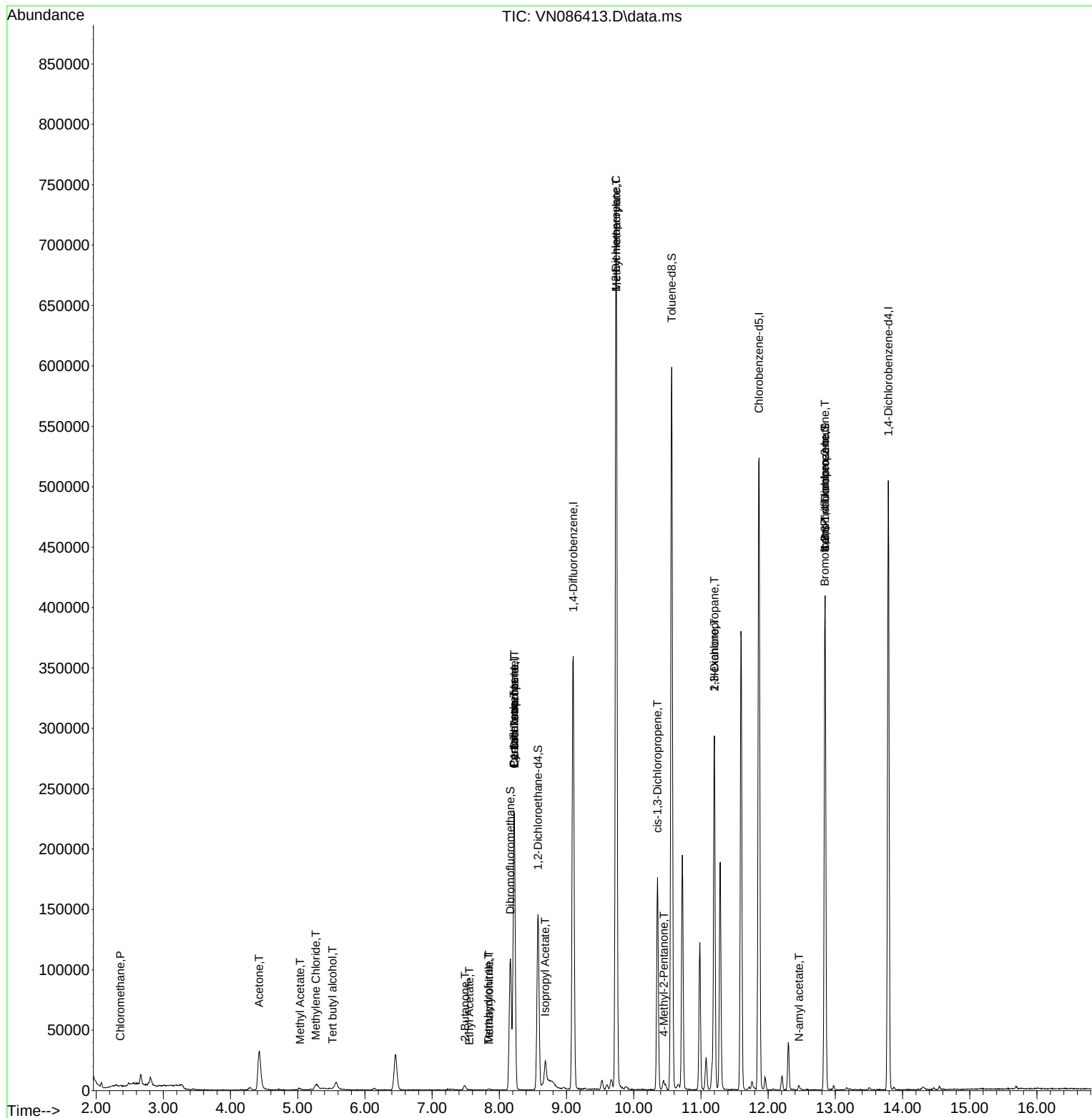
Internal Standards						
1) Pentafluorobenzene	8.218	168	169272	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	322116	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	309483	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	133963	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	122490	49.902	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.800%			
35) Dibromofluoromethane	8.165	113	80926	54.132	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.260%			
50) Toluene-d8	10.565	98	416833	52.170	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.340%			
62) 4-Bromofluorobenzene	12.847	95	149194	51.195	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.380%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	852	0.292	ug/l #	88
11) Tert butyl alcohol	5.518	59	983	2.195	ug/l #	72
16) Acetone	4.424	43	65168	72.743	ug/l	89
18) Methyl Acetate	5.036	43	3260	1.106	ug/l #	59
20) Methylene Chloride	5.271	84	3349	1.476	ug/l #	93
25) 2-Butanone	7.489	43	6342	4.151	ug/l	95
29) Tetrahydrofuran	7.836	42	707	0.692	ug/l #	58
31) Cyclohexane	8.218	56	3902	0.981	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	14194	4.754	ug/l #	49
37) Ethyl Acetate	7.553	43	764	0.243	ug/l #	68
38) Carbon Tetrachloride	8.224	117	17279	6.076	ug/l #	15
41) Methacrylonitrile	7.847	41	368	0.202	ug/l #	23
43) Isopropyl Acetate	8.683	43	37818	4.926	ug/l #	78
45) 1,2-Dichloropropane	9.735	63	921	0.393	ug/l #	43
48) Methyl methacrylate	9.741	41	67697	24.522	ug/l #	42
51) 4-Methyl-2-Pentanone	10.447	43	4853	1.508	ug/l	96
54) cis-1,3-Dichloropropene	10.353	75	33065	8.368	ug/l #	60
57) 1,3-Dichloropropane	11.200	76	3052	0.801	ug/l #	43
59) 2-Hexanone	11.200	43	56842	23.806	ug/l #	43
71) Bromoform	12.841	173	646	0.377	ug/l #	1
74) N-amyl acetate	12.459	43	3390	0.621	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	78197	24.736	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	78197	59.405	ug/l #	10

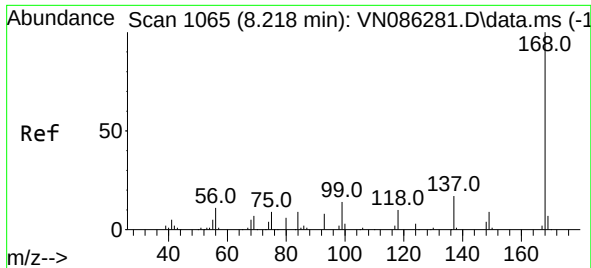
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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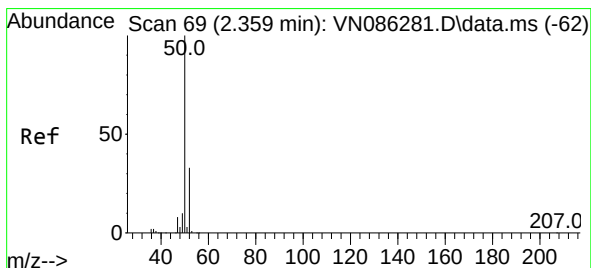
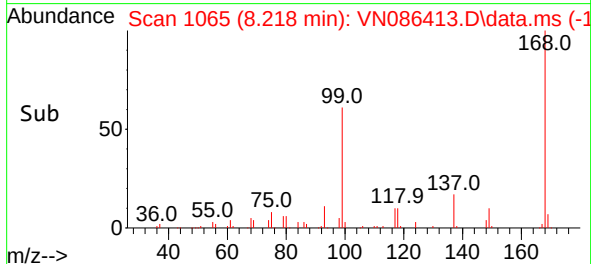
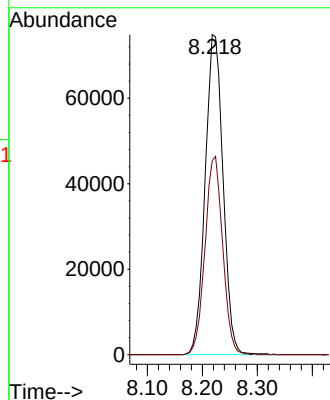
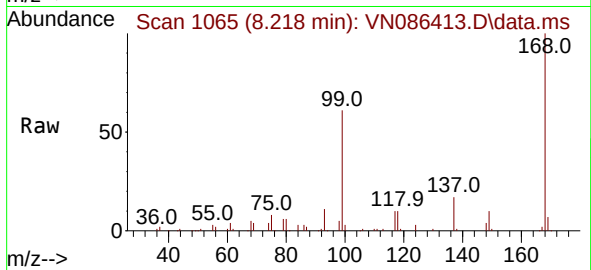




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN086413.D
Acq: 28 Apr 2025 15:57

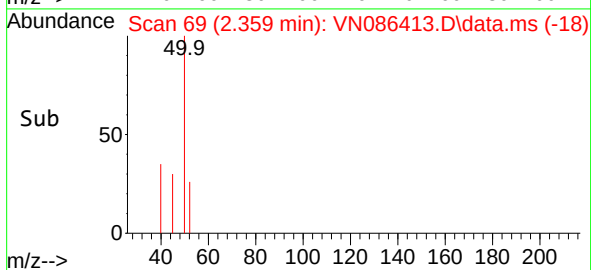
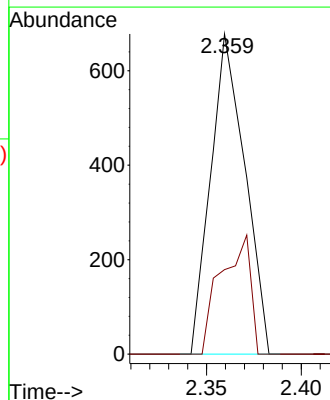
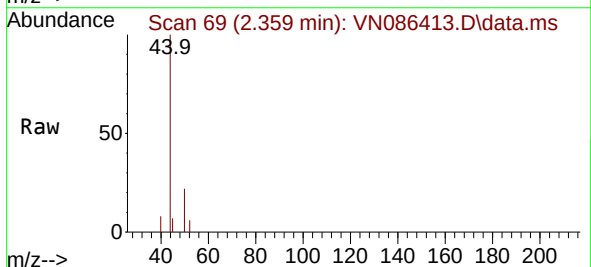
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#10

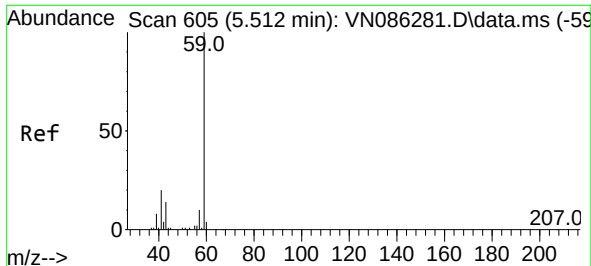
Tgt Ion:168 Resp: 169272
Ion Ratio Lower Upper
168 100
99 60.5 52.5 78.7



#3
Chloromethane
Concen: 0.292 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN086413.D
Acq: 28 Apr 2025 15:57

Tgt Ion: 50 Resp: 852
Ion Ratio Lower Upper
50 100
52 26.4 26.5 39.7#

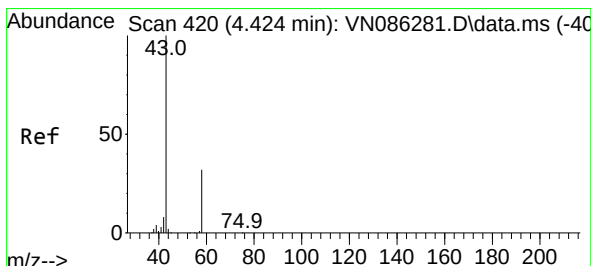
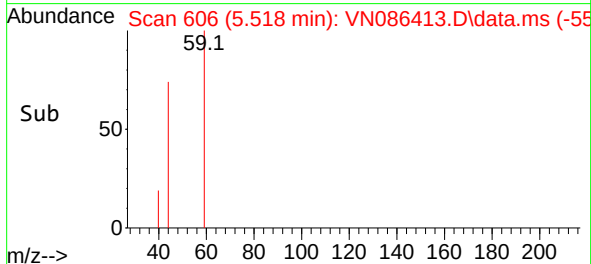
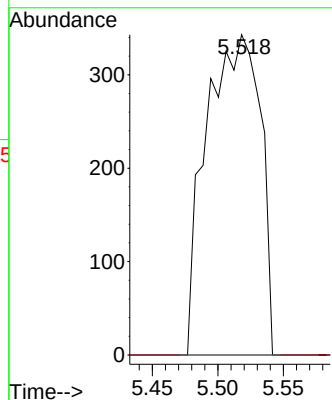
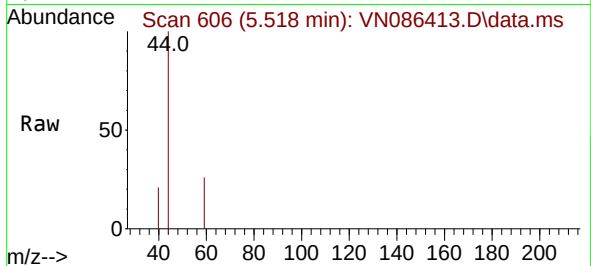




#11
Tert butyl alcohol
Concen: 2.195 ug/l
RT: 5.518 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN086413.D
Acq: 28 Apr 2025 15:57

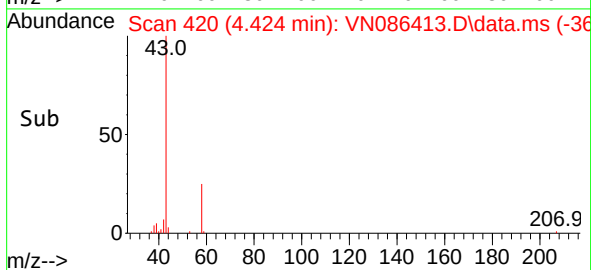
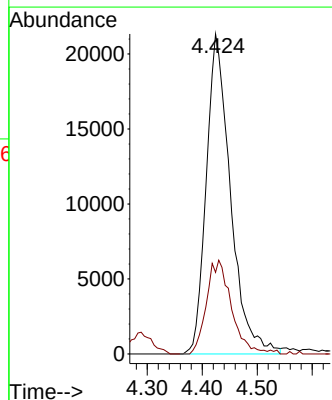
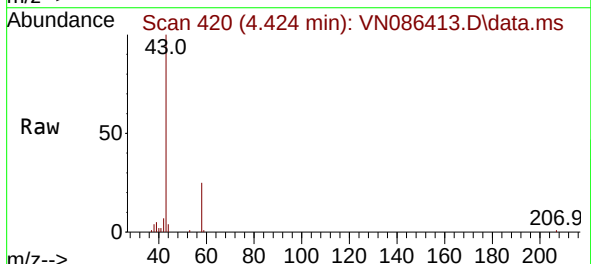
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#10

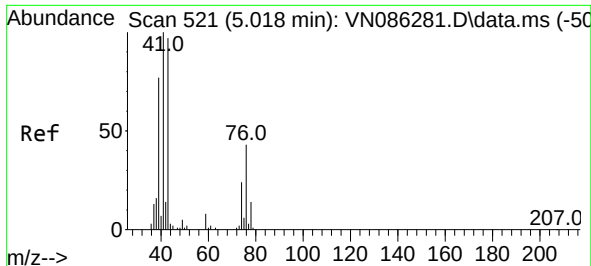
Tgt Ion: 59 Resp: 983
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 72.743 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN086413.D
Acq: 28 Apr 2025 15:57

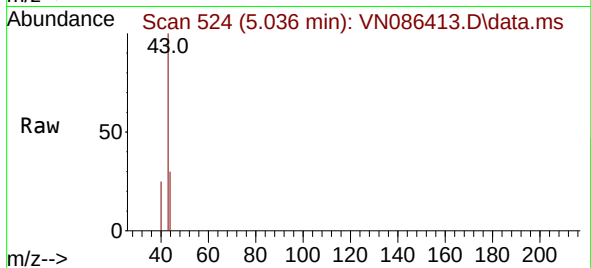
Tgt Ion: 43 Resp: 65168
Ion Ratio Lower Upper
43 100
58 25.5 25.3 37.9



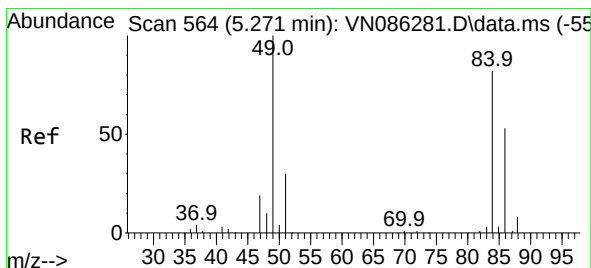
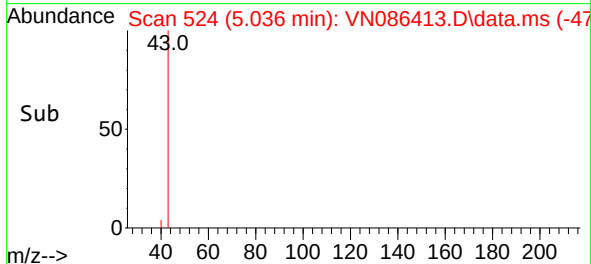
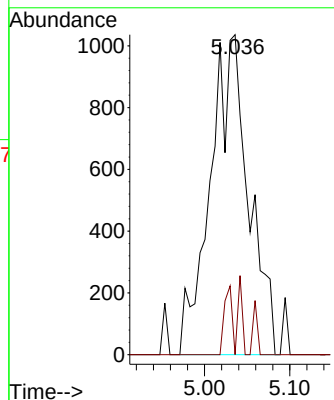


#18
Methyl Acetate
Concen: 1.106 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN086413.D
Acq: 28 Apr 2025 15:57

Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#10

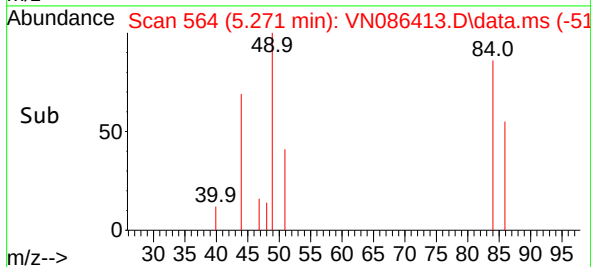
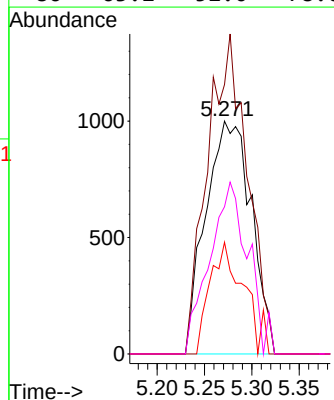
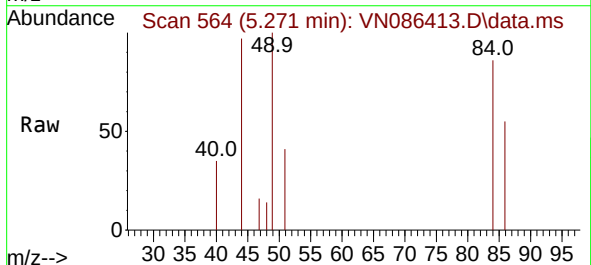


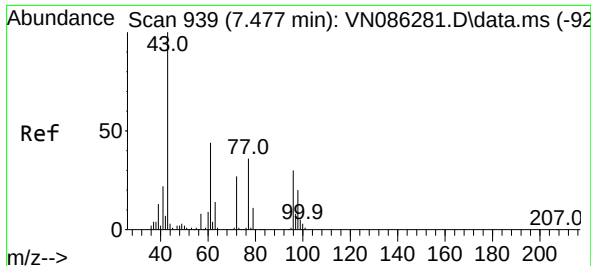
Tgt Ion: 43 Resp: 3260
Ion Ratio Lower Upper
43 100
74 4.3 19.8 29.6#



#20
Methylene Chloride
Concen: 1.476 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN086413.D
Acq: 28 Apr 2025 15:57

Tgt Ion: 84 Resp: 3349
Ion Ratio Lower Upper
84 100
49 115.7 98.2 147.2
51 48.0 29.8 44.6#
86 63.2 52.0 78.0

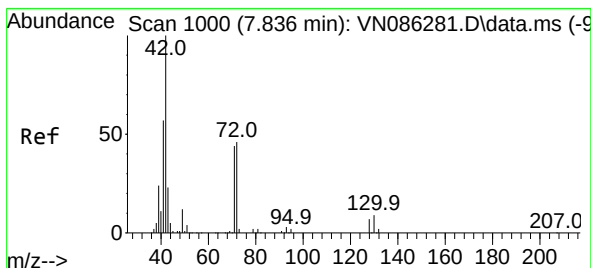
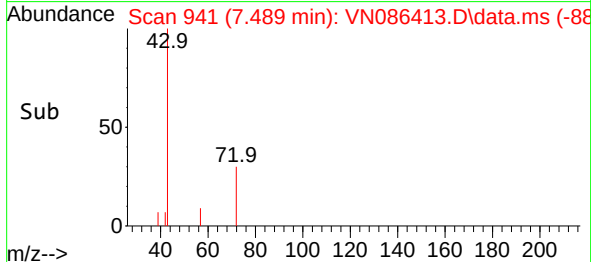
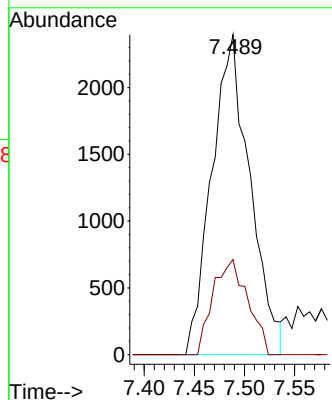
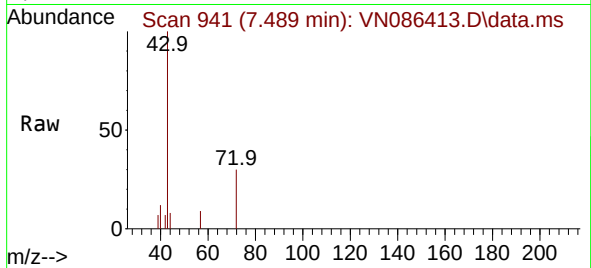




#25
2-Butanone
Concen: 4.151 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN086413.D
Acq: 28 Apr 2025 15:57

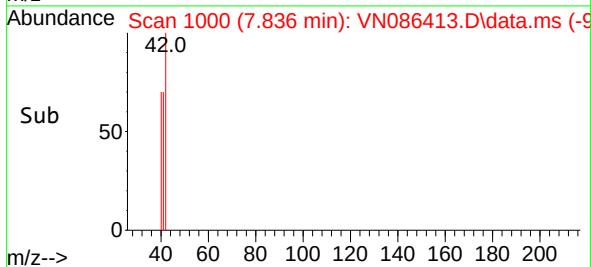
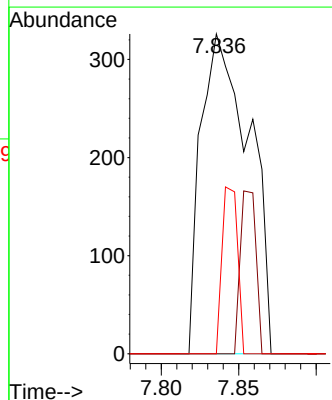
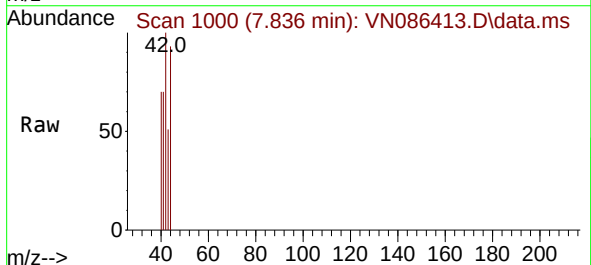
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#10

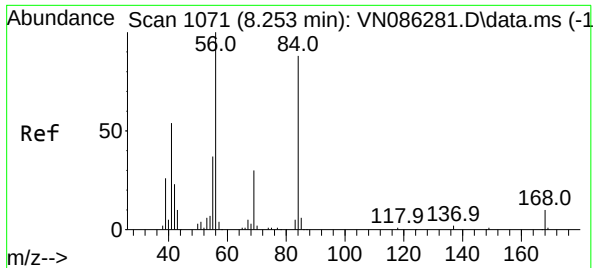
Tgt Ion: 43 Resp: 6342
Ion Ratio Lower Upper
43 100
72 29.7 21.7 32.5



#29
Tetrahydrofuran
Concen: 0.692 ug/l
RT: 7.836 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VN086413.D
Acq: 28 Apr 2025 15:57

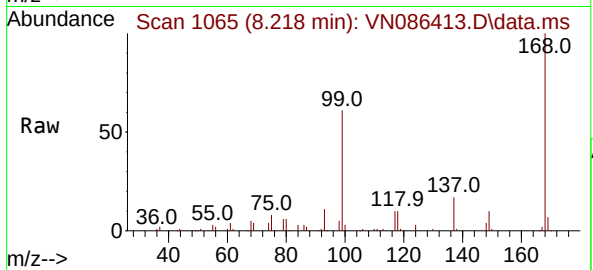
Tgt Ion: 42 Resp: 707
Ion Ratio Lower Upper
42 100
72 16.4 36.2 54.4#
71 16.7 34.0 51.0#



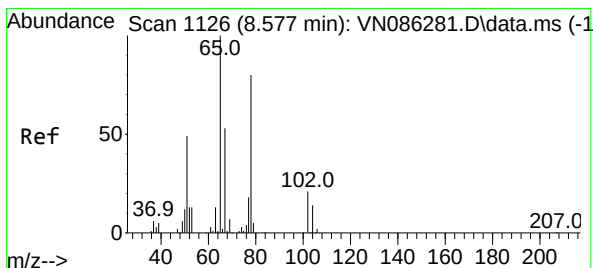
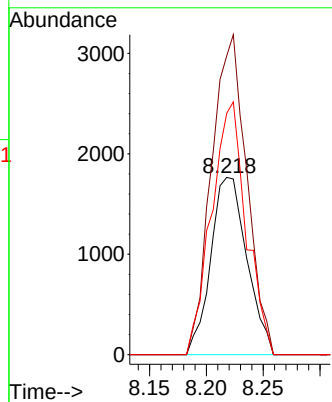
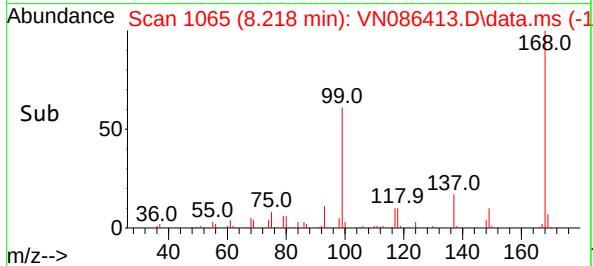


#31
Cyclohexane
Concen: 0.981 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086413.D
Acq: 28 Apr 2025 15:57

Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#10

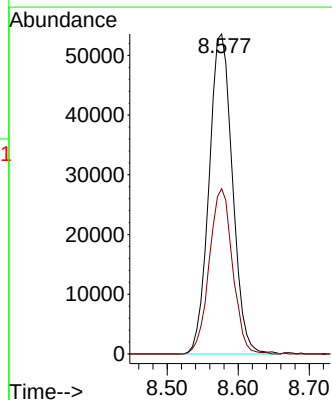
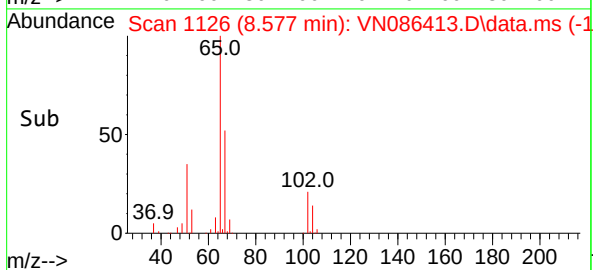
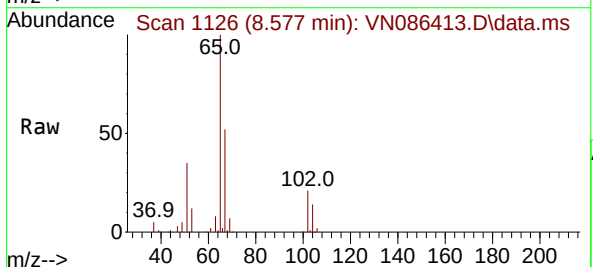


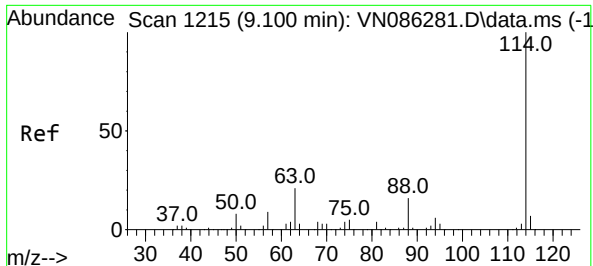
Tgt Ion: 56 Resp: 3902
Ion Ratio Lower Upper
56 100
69 168.6 24.2 36.2#
84 136.3 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 49.902 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086413.D
Acq: 28 Apr 2025 15:57

Tgt Ion: 65 Resp: 122490
Ion Ratio Lower Upper
65 100
67 51.4 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: VN086413.D

Acq: 28 Apr 2025 15:57

Instrument :

MSVOA_N

ClientSampleId :

PB167744ZHE#10

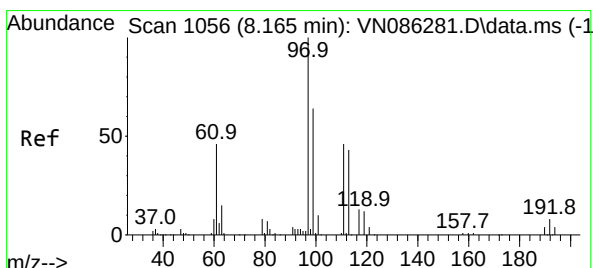
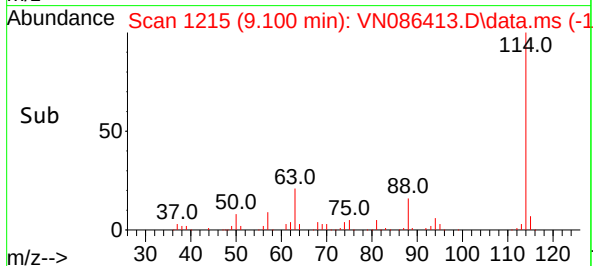
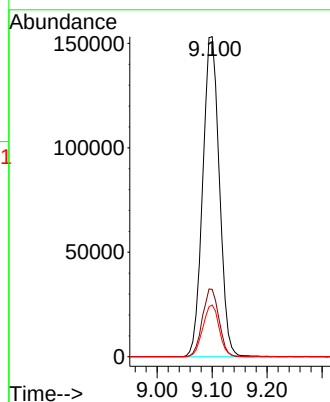
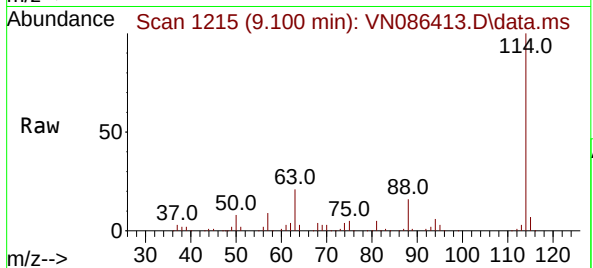
Tgt Ion:114 Resp: 322116

Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.6

88 16.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 54.132 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN086413.D

Acq: 28 Apr 2025 15:57

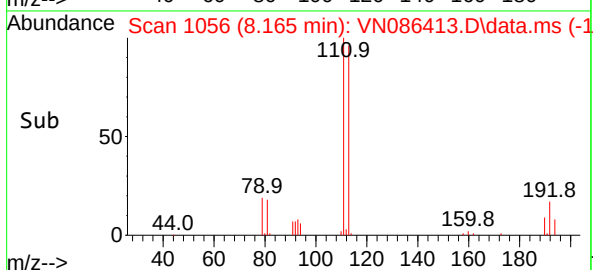
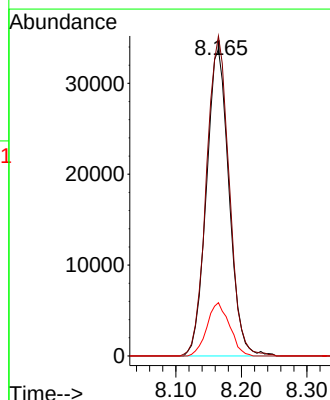
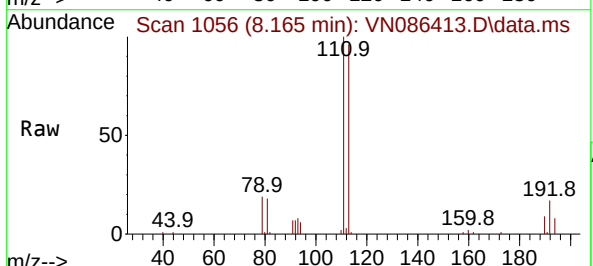
Tgt Ion:113 Resp: 80926

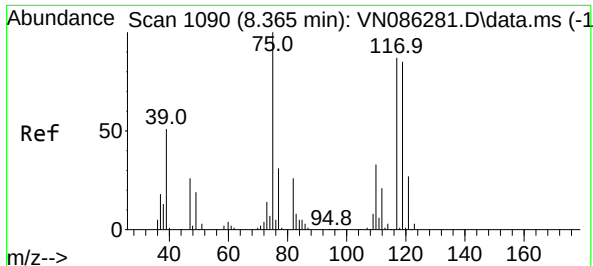
Ion Ratio Lower Upper

113 100

111 104.5 83.4 125.0

192 17.3 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.754 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN086413.D

Acq: 28 Apr 2025 15:57

Instrument :

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ClientSampleId :

PB167744ZHE#10

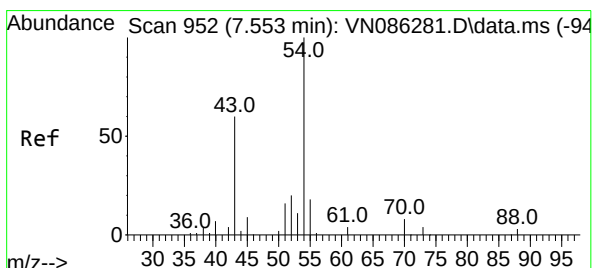
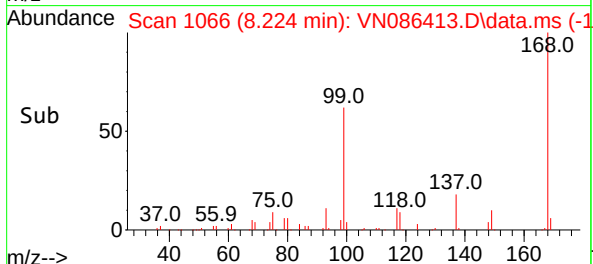
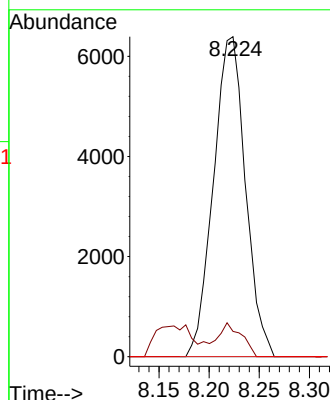
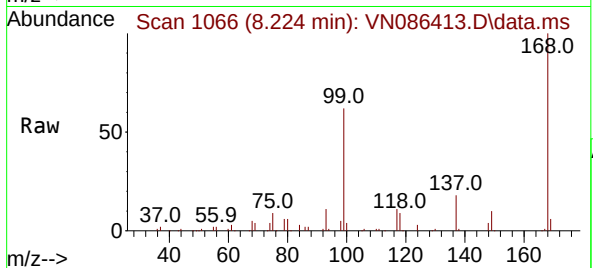
Tgt Ion: 75 Resp: 14194

Ion Ratio Lower Upper

75 100

110 7.6 16.8 50.4#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 0.243 ug/l

RT: 7.553 min Scan# 952

Delta R.T. 0.000 min

Lab File: VN086413.D

Acq: 28 Apr 2025 15:57

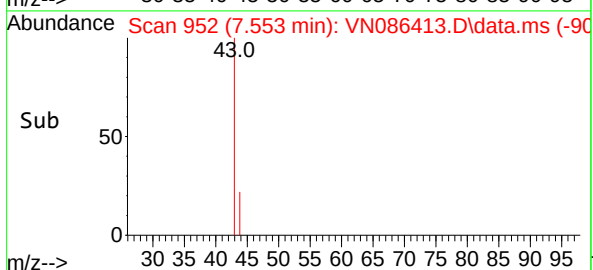
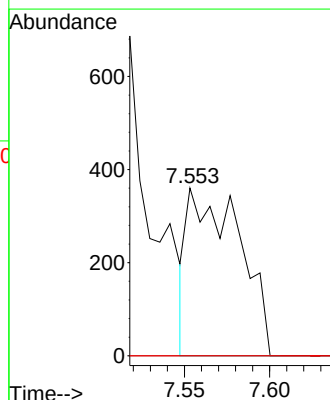
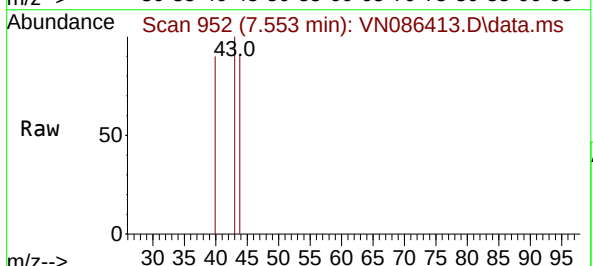
Tgt Ion: 43 Resp: 764

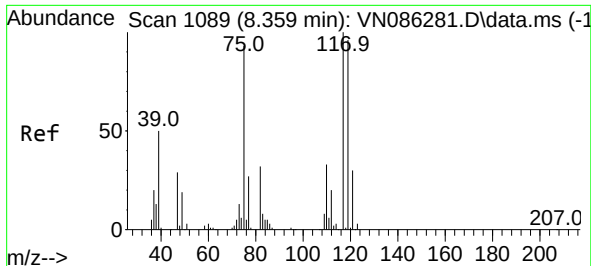
Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

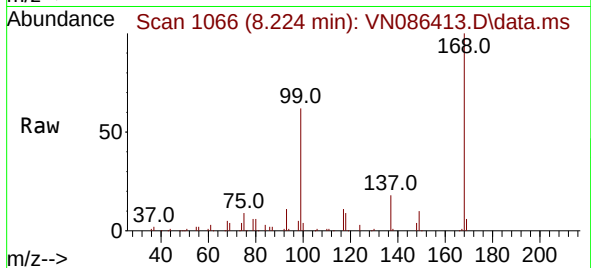
70 0.0 9.2 13.8#



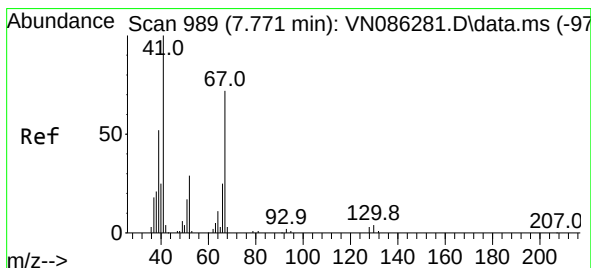
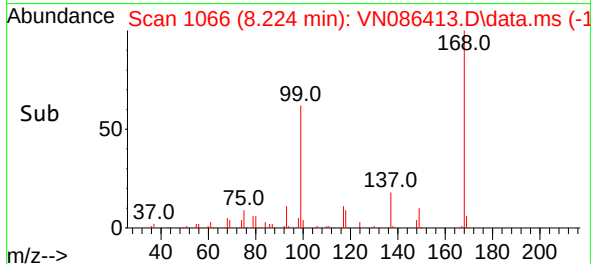
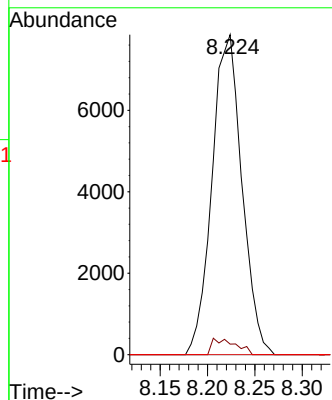


#38
Carbon Tetrachloride
Concen: 6.076 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN086413.D
Acq: 28 Apr 2025 15:57

Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#10

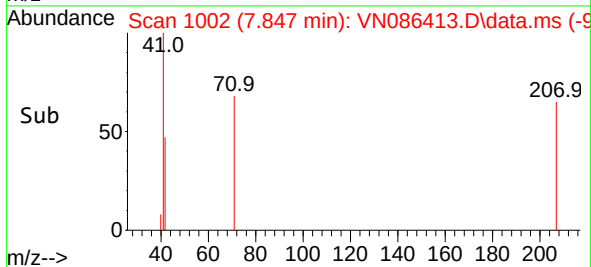
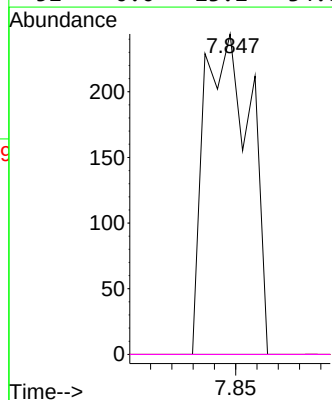
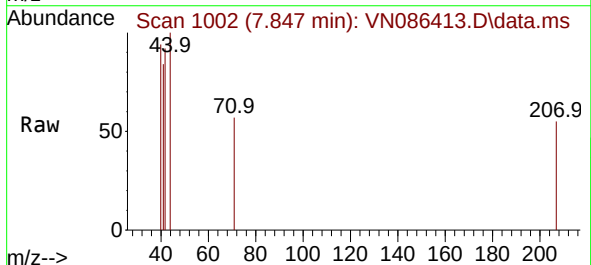


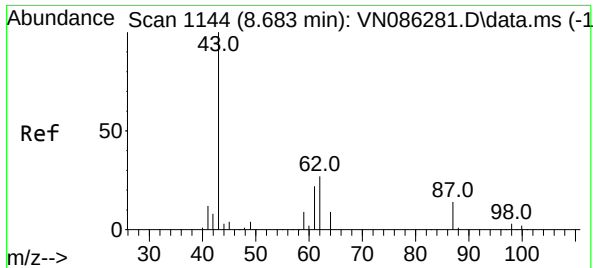
Tgt Ion:117 Resp: 17279
Ion Ratio Lower Upper
117 100
119 3.3 76.8 115.2#
121 0.0 23.8 35.8#



#41
Methacrylonitrile
Concen: 0.202 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.077 min
Lab File: VN086413.D
Acq: 28 Apr 2025 15:57

Tgt Ion: 41 Resp: 368
Ion Ratio Lower Upper
41 100
39 0.0 43.0 64.4#
67 0.0 58.8 88.2#
52 0.0 23.2 34.8#

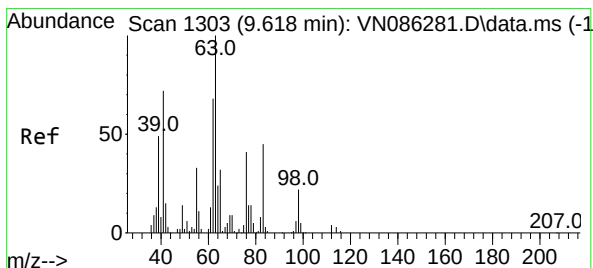
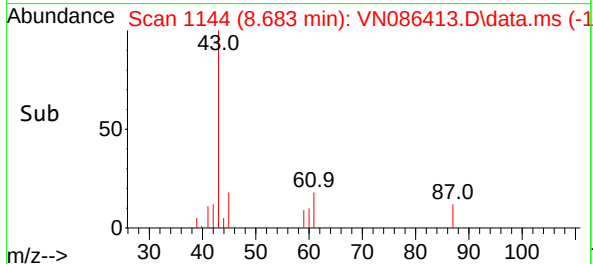
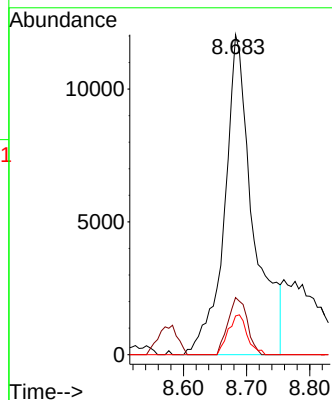
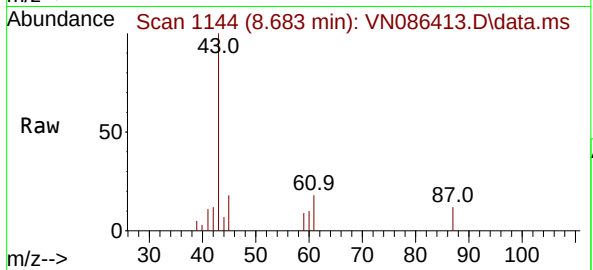




#43
Isopropyl Acetate
Concen: 4.926 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN086413.D
Acq: 28 Apr 2025 15:57

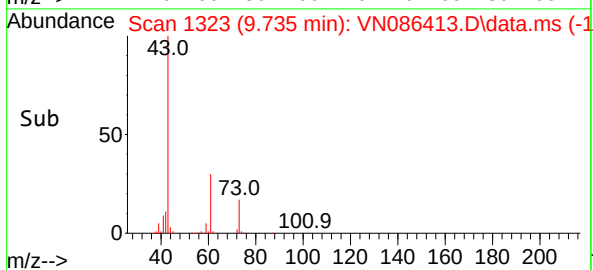
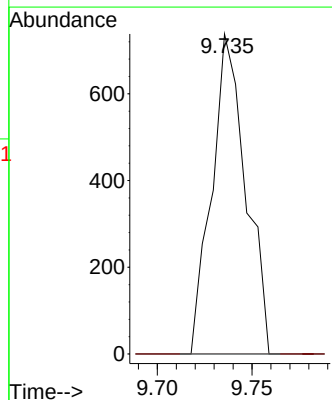
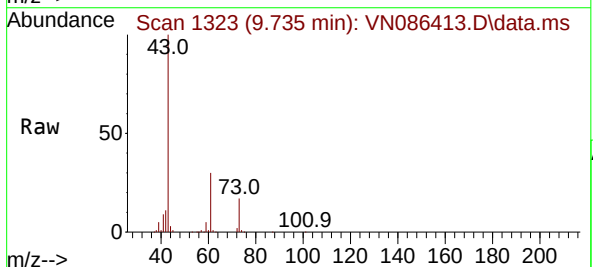
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#10

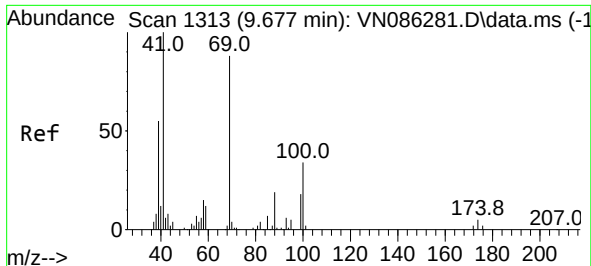
Tgt Ion: 43 Resp: 37818
Ion Ratio Lower Upper
43 100
61 12.0 20.5 30.7#
87 8.3 10.5 15.7#



#45
1,2-Dichloropropane
Concen: 0.393 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.118 min
Lab File: VN086413.D
Acq: 28 Apr 2025 15:57

Tgt Ion: 63 Resp: 921
Ion Ratio Lower Upper
63 100
65 0.0 25.4 38.2#

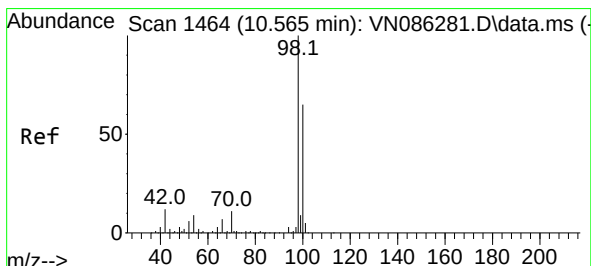
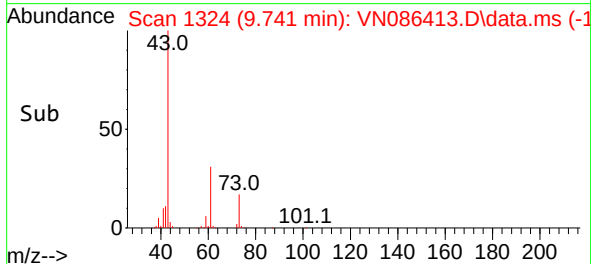
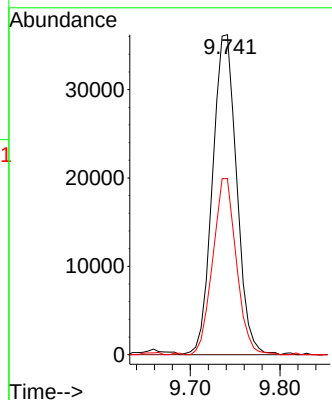
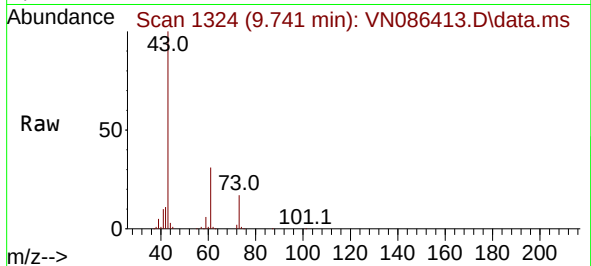




#48
Methyl methacrylate
Concen: 24.522 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN086413.D
Acq: 28 Apr 2025 15:57

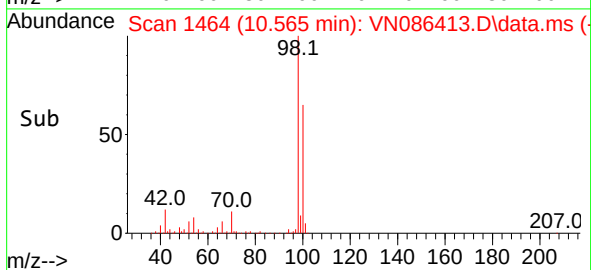
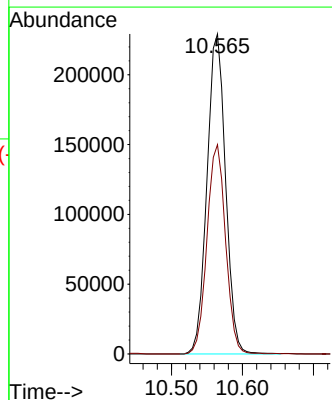
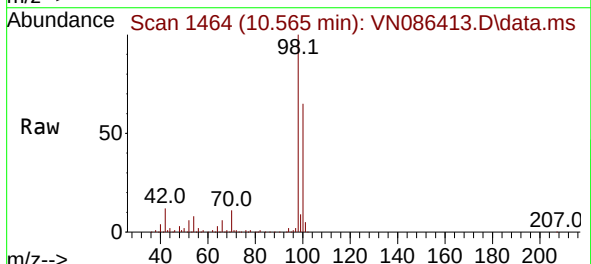
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#10

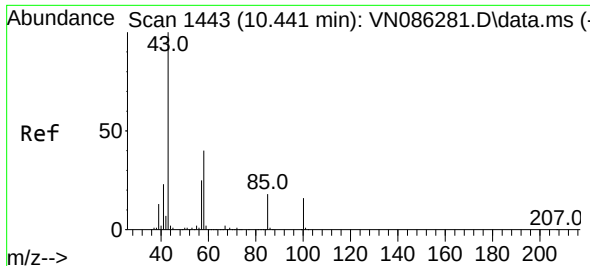
Tgt Ion: 41 Resp: 67697
Ion Ratio Lower Upper
41 100
69 0.0 68.2 102.2#
39 53.8 45.2 67.8



#50
Toluene-d8
Concen: 52.170 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086413.D
Acq: 28 Apr 2025 15:57

Tgt Ion: 98 Resp: 416833
Ion Ratio Lower Upper
98 100
100 65.5 52.5 78.7

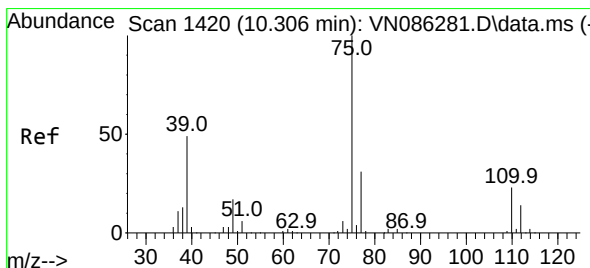
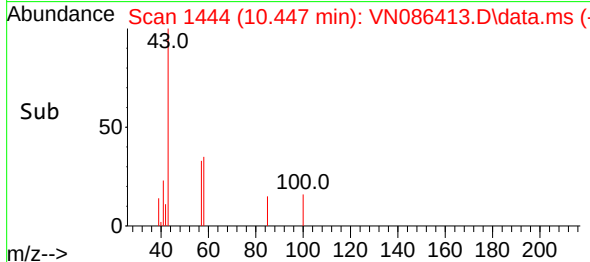
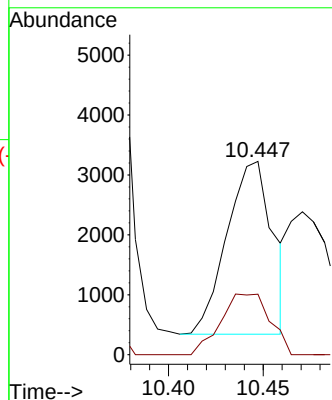
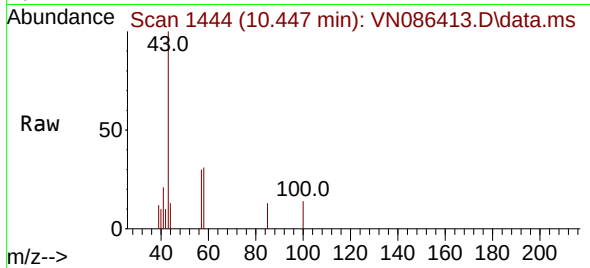




#51
4-Methyl-2-Pentanone
Concen: 1.508 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN086413.D
Acq: 28 Apr 2025 15:57

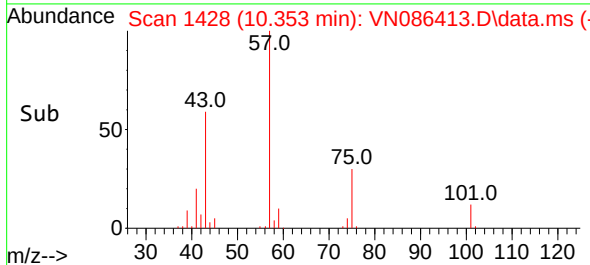
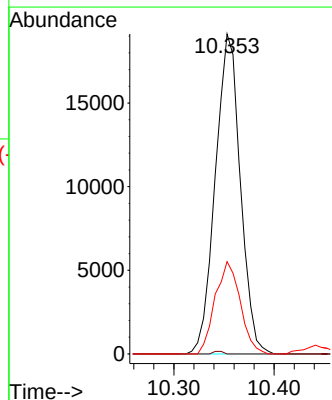
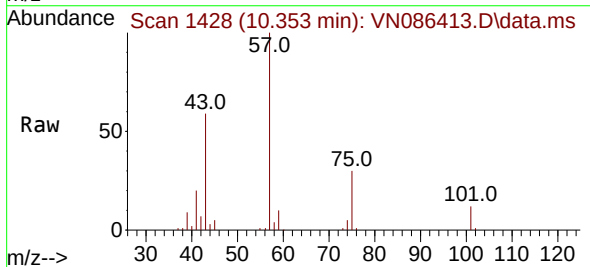
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#10

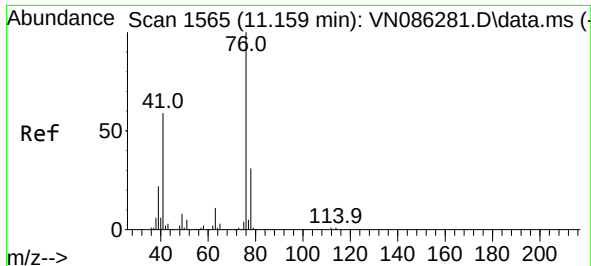
Tgt Ion: 43 Resp: 4853
Ion Ratio Lower Upper
43 100
58 37.8 32.2 48.4



#54
cis-1,3-Dichloropropene
Concen: 8.368 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN086413.D
Acq: 28 Apr 2025 15:57

Tgt Ion: 75 Resp: 33065
Ion Ratio Lower Upper
75 100
77 0.0 25.2 37.8#
39 28.8 39.3 58.9#





#57

1,3-Dichloropropane

Concen: 0.801 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN086413.D

Acq: 28 Apr 2025 15:57

Instrument :

MSVOA_N

ClientSampleId :

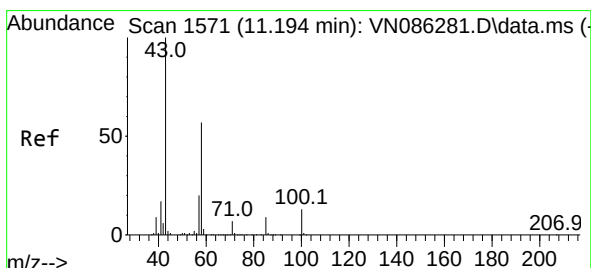
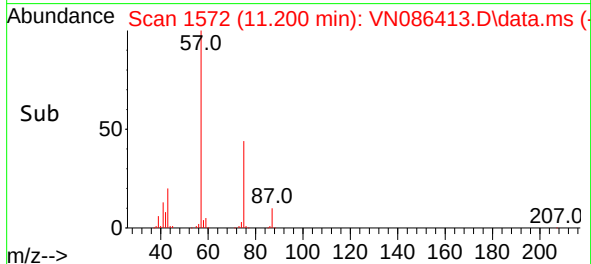
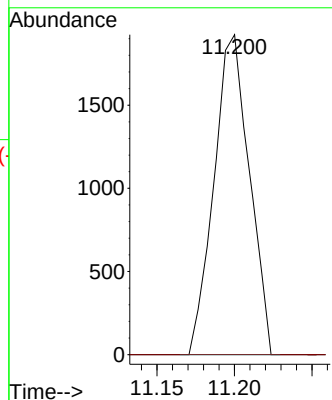
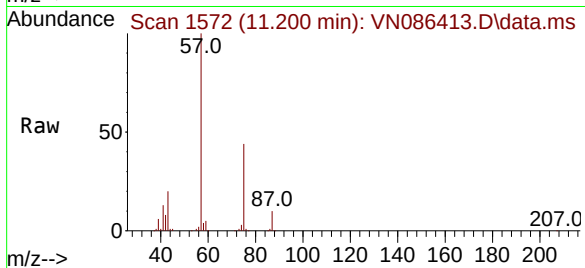
PB167744ZHE#10

Tgt Ion: 76 Resp: 3052

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 23.806 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN086413.D

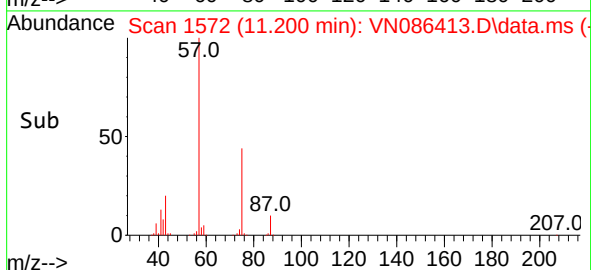
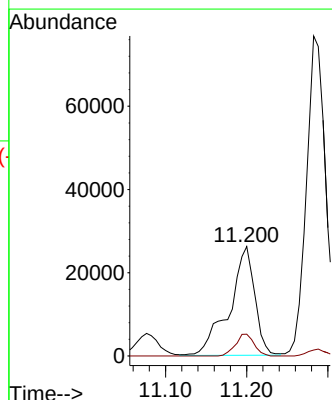
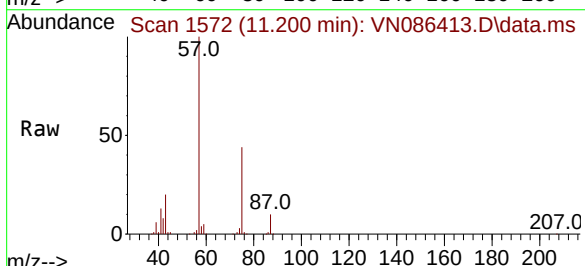
Acq: 28 Apr 2025 15:57

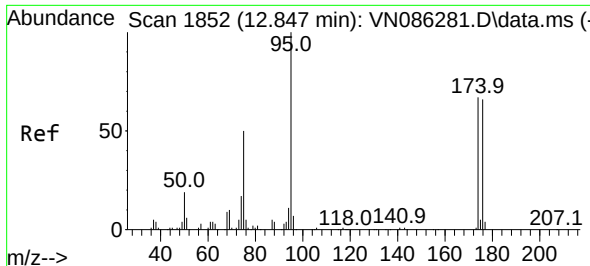
Tgt Ion: 43 Resp: 56842

Ion Ratio Lower Upper

43 100

58 14.7 28.3 85.0#

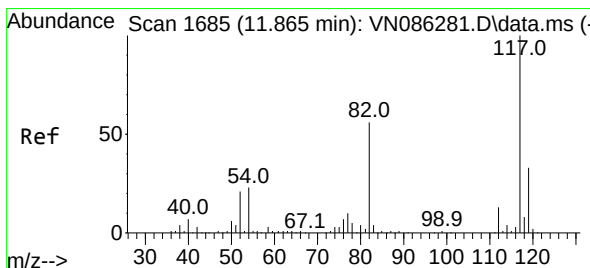
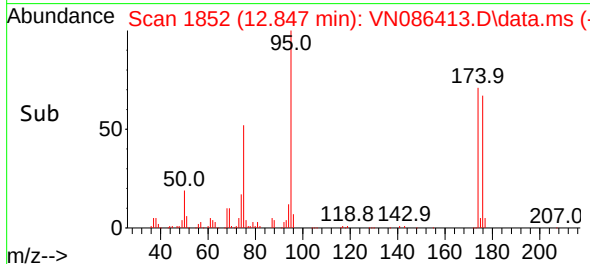
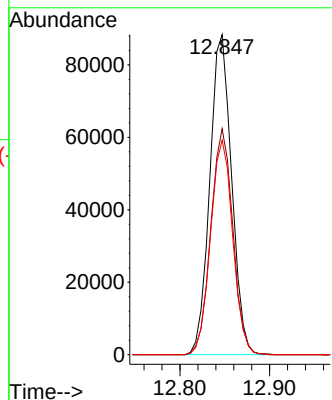
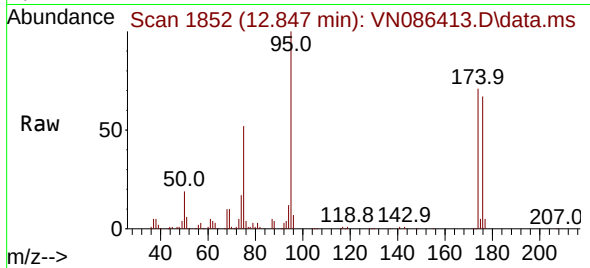




#62
4-Bromofluorobenzene
Concen: 51.195 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086413.D
Acq: 28 Apr 2025 15:57

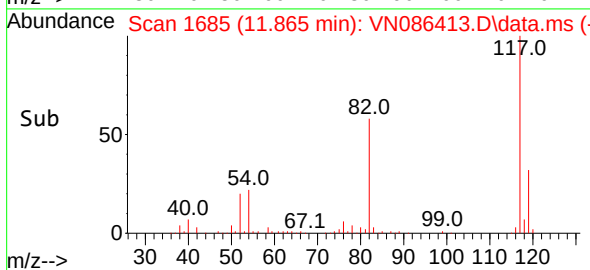
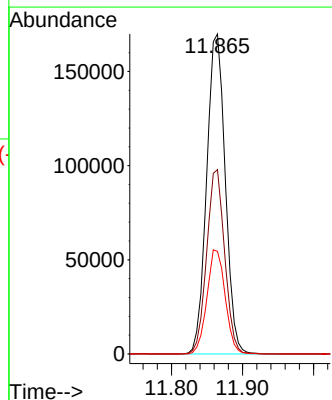
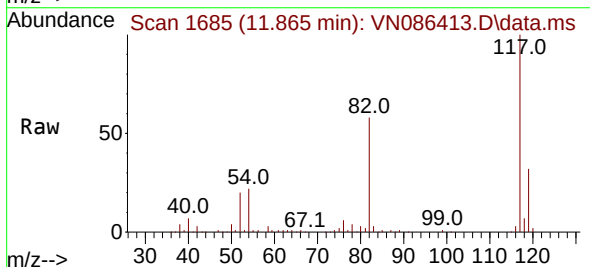
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#10

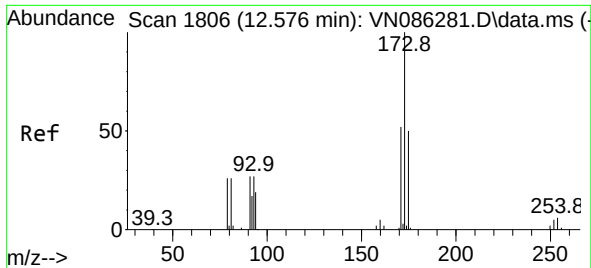
Tgt Ion: 95 Resp: 149194
Ion Ratio Lower Upper
95 100
174 71.2 0.0 133.4
176 68.2 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086413.D
Acq: 28 Apr 2025 15:57

Tgt Ion: 117 Resp: 309483
Ion Ratio Lower Upper
117 100
82 57.6 44.7 67.1
119 32.1 26.4 39.6

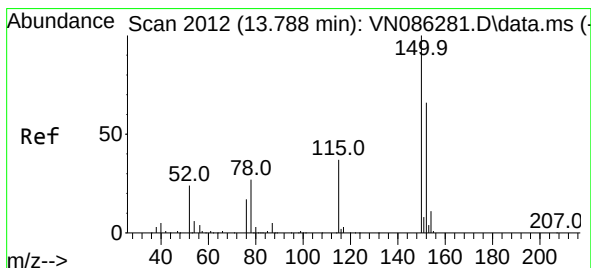
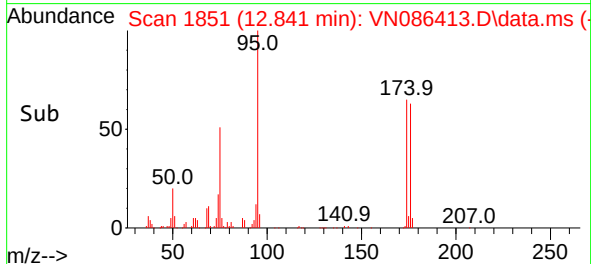
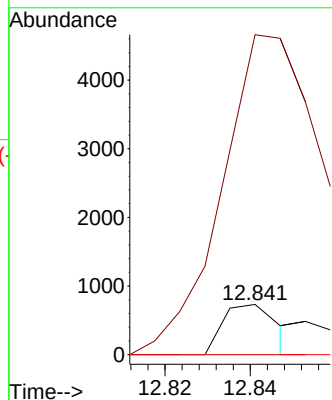
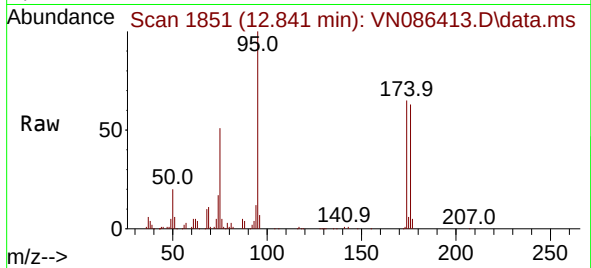




#71
Bromoform
Concen: 0.377 ug/l
RT: 12.841 min Scan# 1806
Delta R.T. 0.265 min
Lab File: VN086413.D
Acq: 28 Apr 2025 15:57

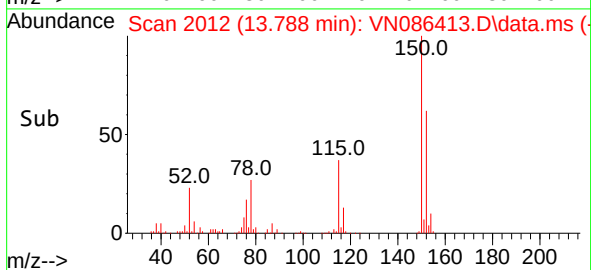
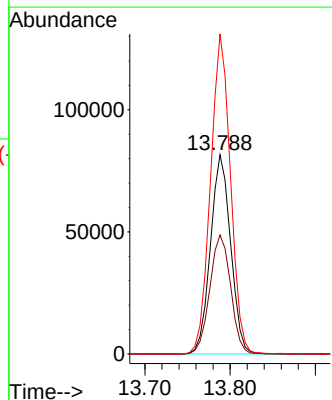
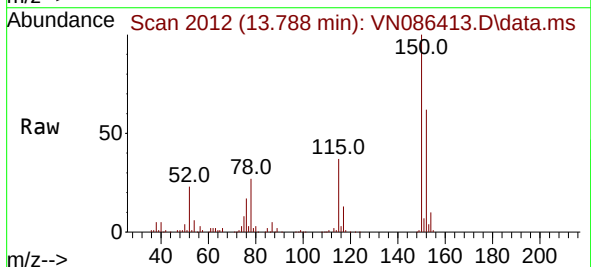
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#10

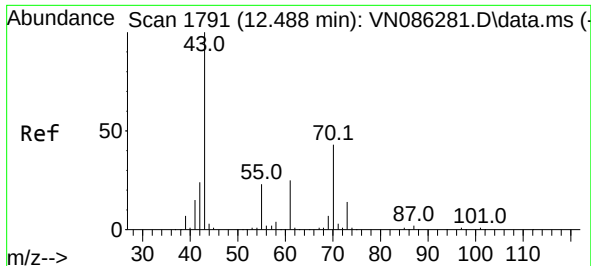
Tgt Ion:173 Resp: 646
Ion Ratio Lower Upper
173 100
175 986.4 24.6 73.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN086413.D
Acq: 28 Apr 2025 15:57

Tgt Ion:152 Resp: 133963
Ion Ratio Lower Upper
152 100
115 61.6 31.9 95.9
150 159.0 0.0 352.0

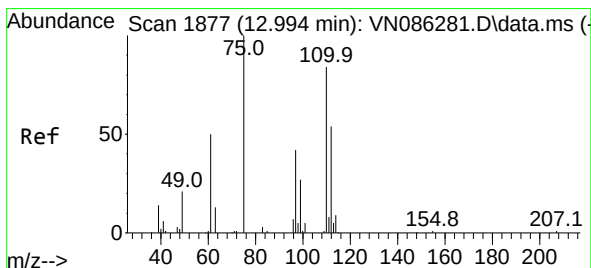
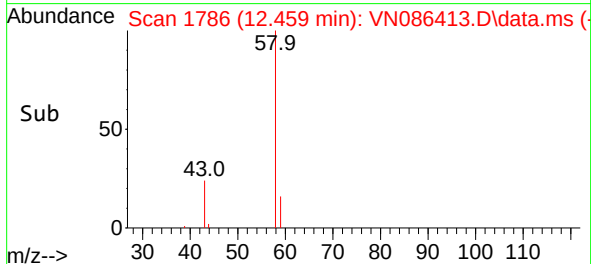
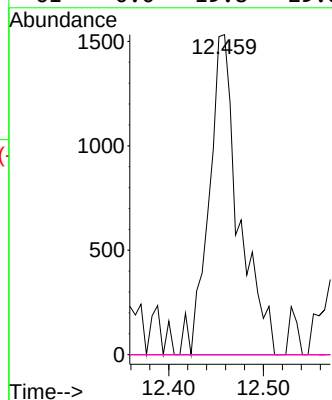
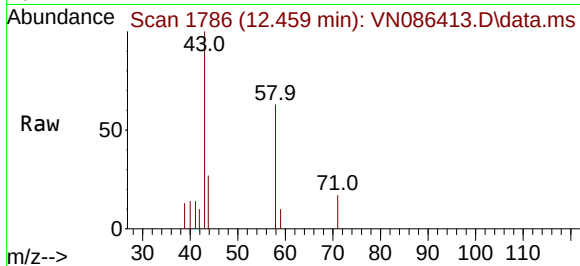




#74
N-amy1 acetate
Concen: 0.621 ug/l
RT: 12.459 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN086413.D
Acq: 28 Apr 2025 15:57

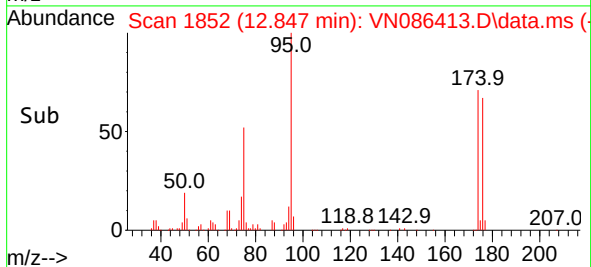
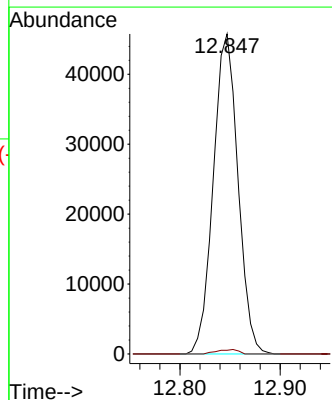
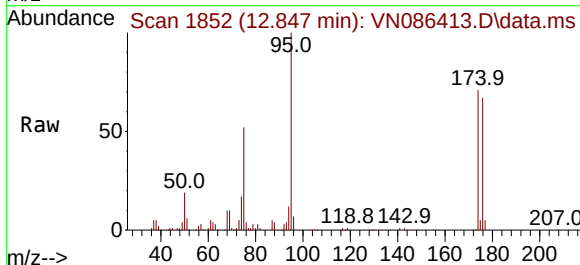
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#10

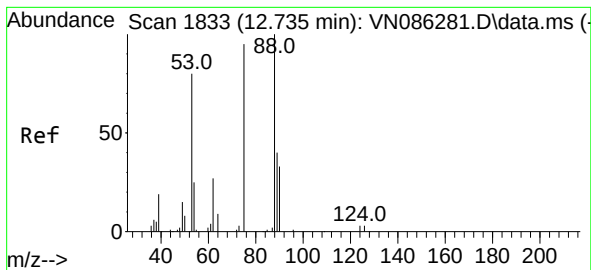
Tgt Ion: 43	Resp: 3390
Ion Ratio	Lower Upper
43 100	
70 0.0	35.0 52.4#
55 0.0	19.0 28.4#
61 0.0	19.8 29.8#



#76
1,2,3-Trichloropropane
Concen: 24.736 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086413.D
Acq: 28 Apr 2025 15:57

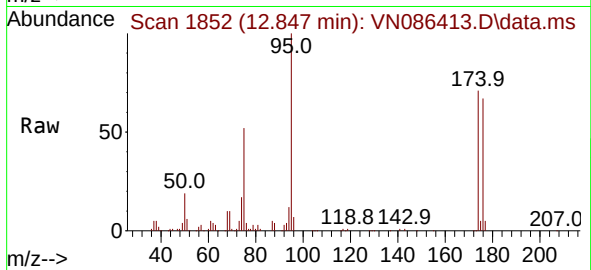
Tgt Ion: 75	Resp:	78197	
Ion Ratio	Lower	Upper	
75 100			
77 1.2	98.8	296.4#	





#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.405 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN086413.D
 Acq: 28 Apr 2025 15:57

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167744ZHE#10



Tgt Ion: 75 Resp: 78197
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.2 118.8#
 89 0.0 35.7 53.5#

