

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051525\
 Data File : VN086652.D
 Acq On : 15 May 2025 18:01
 Operator : JC\MD
 Sample : PB167995ZHE#14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167995ZHE#14

Quant Time: May 16 05:31:44 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)

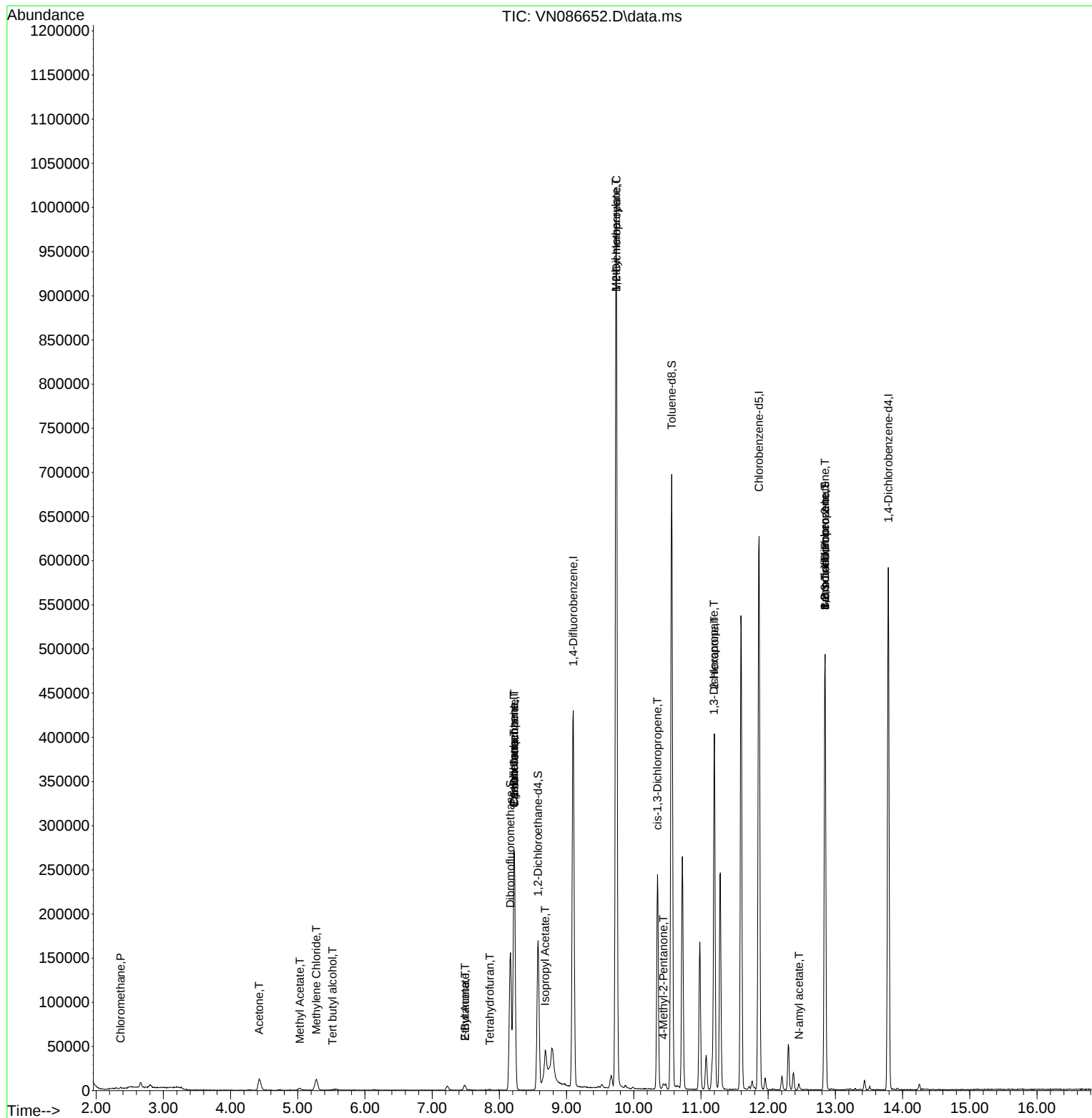
Internal Standards						
1) Pentafluorobenzene	8.218	168	206732	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	390463	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	381225	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	163987	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	141771	47.292	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.580%
35) Dibromofluoromethane	8.165	113	116985	64.554	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	129.100%#
50) Toluene-d8	10.565	98	499645	51.588	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.180%
62) 4-Bromofluorobenzene	12.847	95	182058	51.536	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	103.080%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	875	0.246	ug/l	94
11) Tert butyl alcohol	5.518	59	789	1.442	ug/l #	72
16) Acetone	4.424	43	25189	19.030	ug/l	98
18) Methyl Acetate	5.030	43	4578	1.272	ug/l #	76
20) Methylene Chloride	5.277	84	10163	3.667	ug/l #	84
25) 2-Butanone	7.488	43	10951	5.869	ug/l	91
29) Tetrahydrofuran	7.859	42	787	0.631	ug/l #	44
31) Cyclohexane	8.218	56	4312	0.888	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	16526	4.566	ug/l #	50
37) Ethyl Acetate	7.488	43	10951	2.874	ug/l #	68
38) Carbon Tetrachloride	8.224	117	20013	5.806	ug/l #	16
43) Isopropyl Acetate	8.683	43	71509	8.754	ug/l #	72
45) 1,2-Dichloropropane	9.741	63	1444	0.509	ug/l #	43
48) Methyl methacrylate	9.735	41	87964	26.286	ug/l #	41
51) 4-Methyl-2-Pentanone	10.441	43	4363	1.118	ug/l	99
54) cis-1,3-Dichloropropene	10.353	75	47551	9.928	ug/l #	56
57) 1,3-Dichloropropane	11.194	76	4579	0.991	ug/l #	43
59) 2-Hexanone	11.200	43	79578	27.494	ug/l #	45
71) Bromoform	12.847	173	781	0.370	ug/l #	1
74) N-amyl acetate	12.459	43	4566	0.684	ug/l #	44
76) 1,2,3-Trichloropropane	12.847	75	90750	23.451	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	90750	56.319	ug/l #	10

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051525\
Data File : VN086652.D
Acq On : 15 May 2025 18:01
Operator : JC\MD
Sample : PB167995ZHE#14
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#14

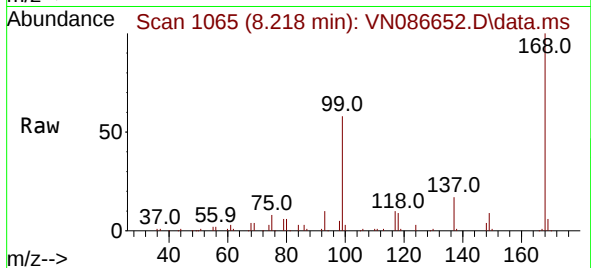
Quant Time: May 16 05:31:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration



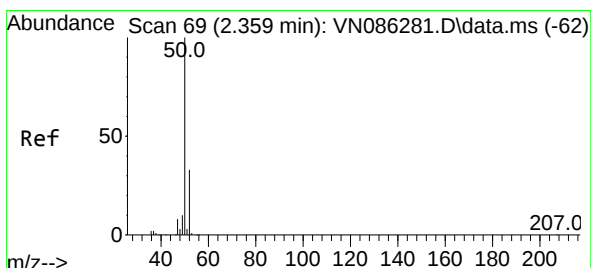
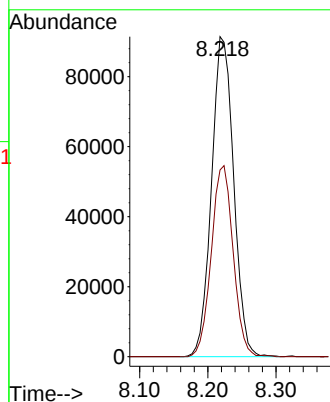
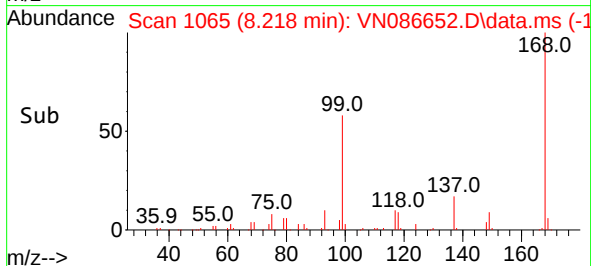


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086652.D
Acq: 15 May 2025 18:01

Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#14

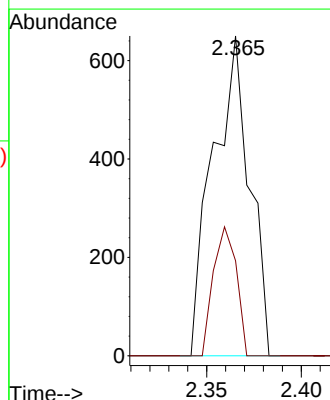
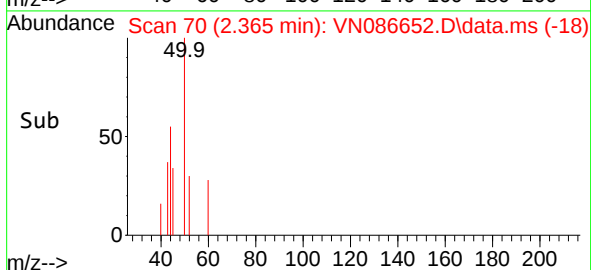
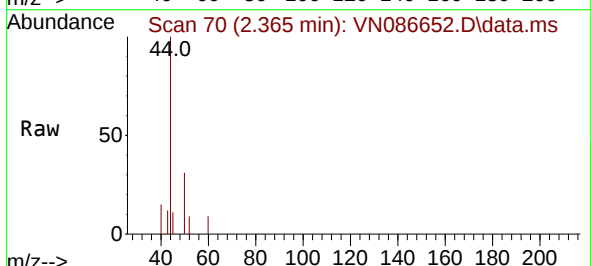


Tgt Ion:168 Resp: 206732
Ion Ratio Lower Upper
168 100
99 58.3 52.5 78.7



#3
Chloromethane
Concen: 0.246 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086652.D
Acq: 15 May 2025 18:01

Tgt Ion: 50 Resp: 875
Ion Ratio Lower Upper
50 100
52 29.7 26.5 39.7

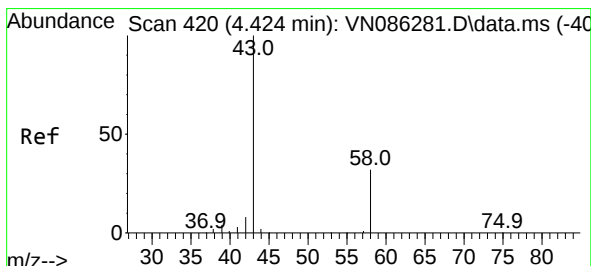
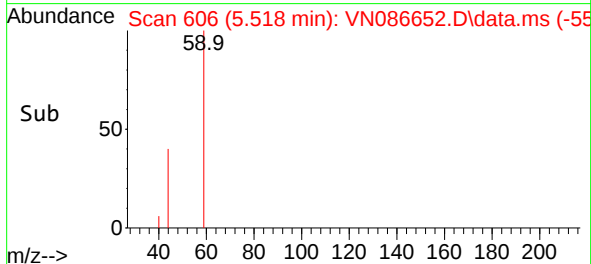
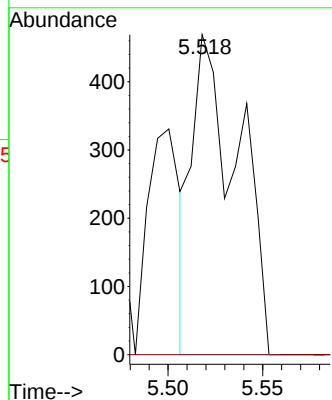
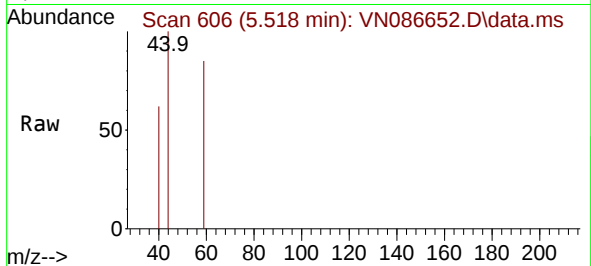




#11
Tert butyl alcohol
Concen: 1.442 ug/l
RT: 5.518 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN086652.D
Acq: 15 May 2025 18:01

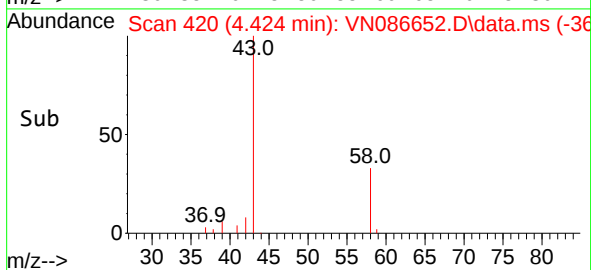
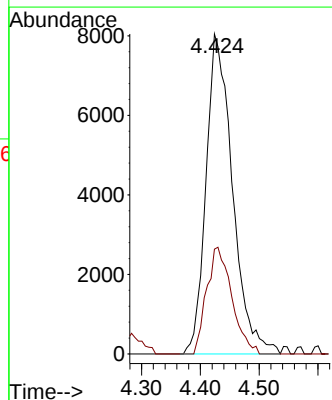
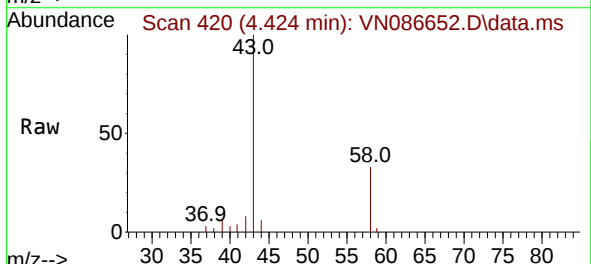
Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#14

Tgt Ion: 59 Resp: 789
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 19.030 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN086652.D
Acq: 15 May 2025 18:01

Tgt Ion: 43 Resp: 25189
Ion Ratio Lower Upper
43 100
58 32.7 25.3 37.9

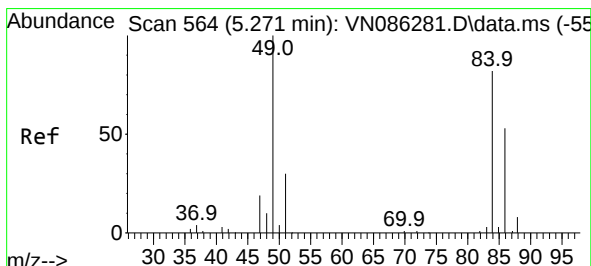
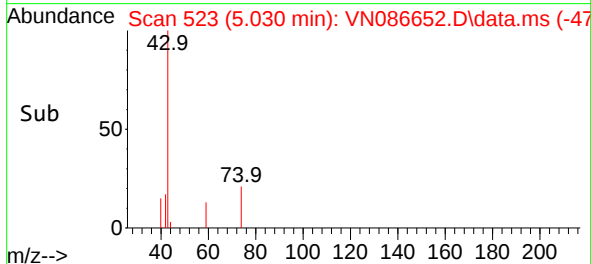
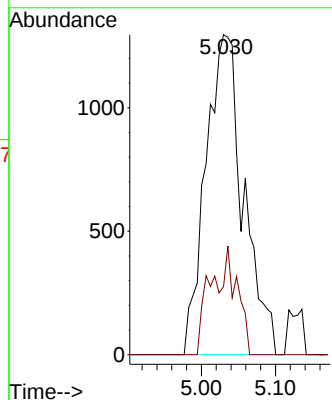
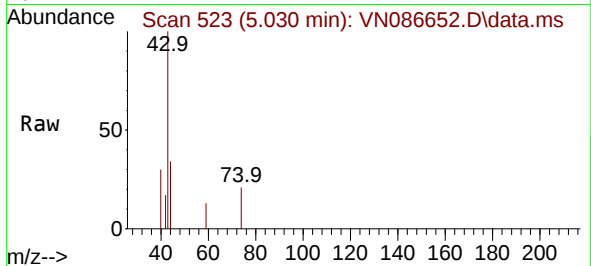




#18
Methyl Acetate
Concen: 1.272 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN086652.D
Acq: 15 May 2025 18:01

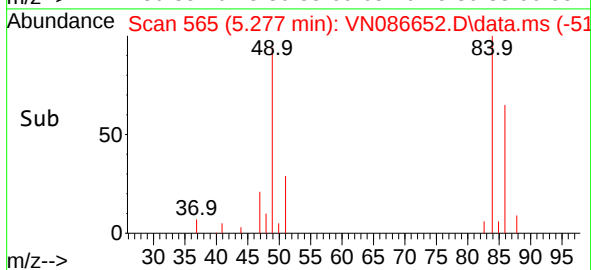
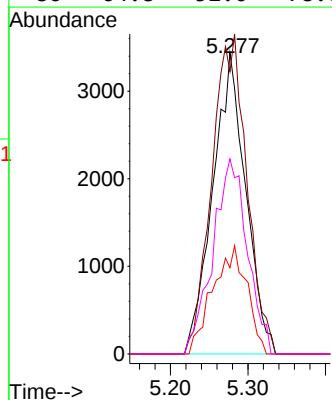
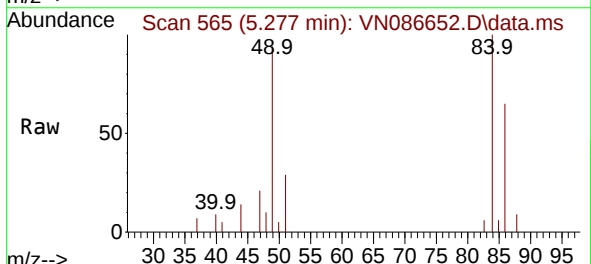
Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#14

Tgt Ion: 43 Resp: 4578
Ion Ratio Lower Upper
43 100
74 12.7 19.8 29.6#



#20
Methylene Chloride
Concen: 3.667 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086652.D
Acq: 15 May 2025 18:01

Tgt Ion: 84 Resp: 10163
Ion Ratio Lower Upper
84 100
49 93.8 98.2 147.2#
51 28.7 29.8 44.6#
86 64.8 52.0 78.0

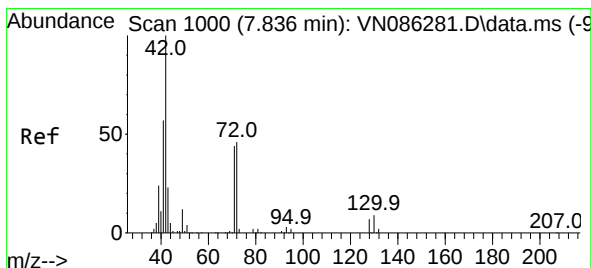
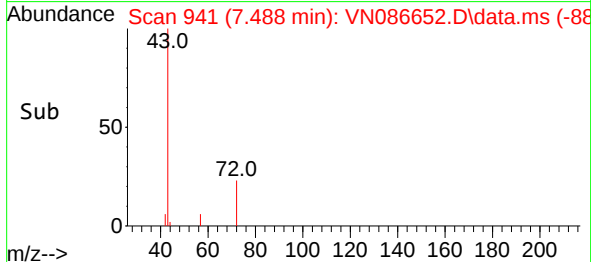
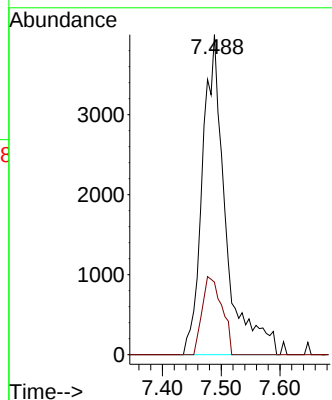
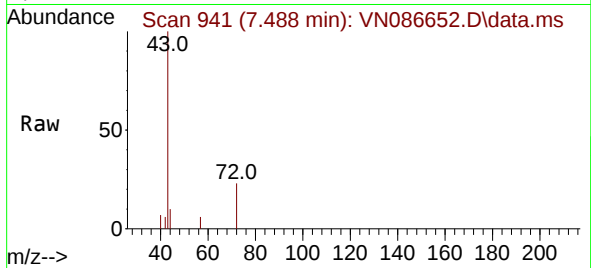




#25
2-Butanone
Concen: 5.869 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN086652.D
Acq: 15 May 2025 18:01

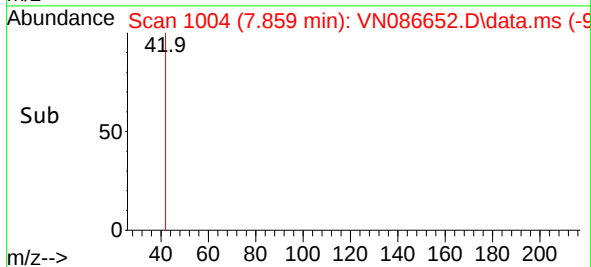
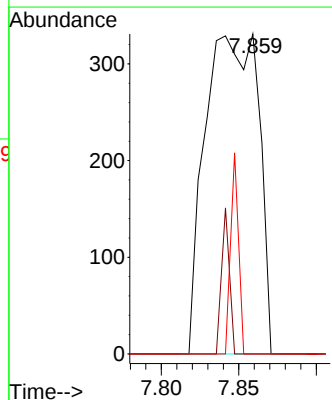
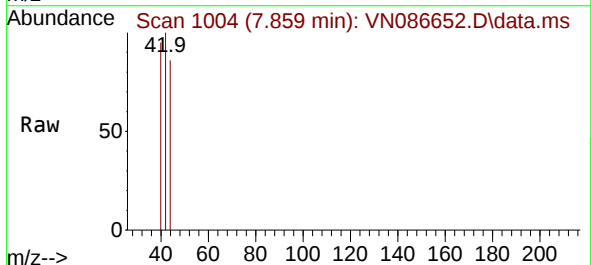
Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#14

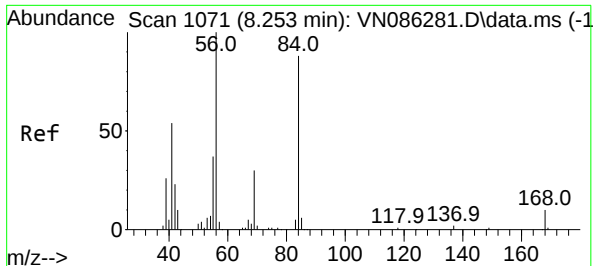
Tgt Ion: 43 Resp: 10951
Ion Ratio Lower Upper
43 100
72 22.6 21.7 32.5



#29
Tetrahydrofuran
Concen: 0.631 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.024 min
Lab File: VN086652.D
Acq: 15 May 2025 18:01

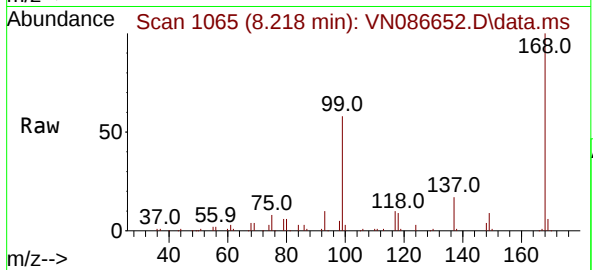
Tgt Ion: 42 Resp: 787
Ion Ratio Lower Upper
42 100
72 6.7 36.2 54.4#
71 9.3 34.0 51.0#



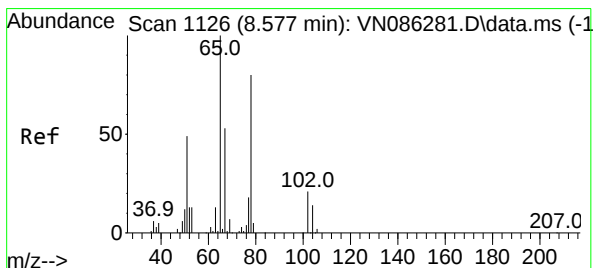
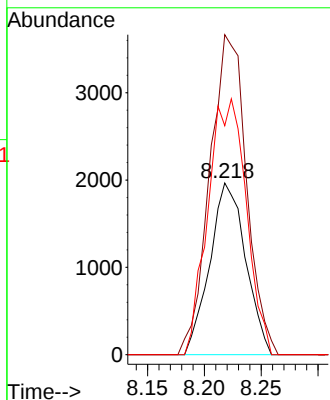
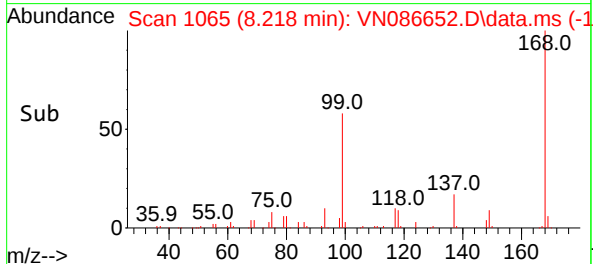


#31
Cyclohexane
Concen: 0.888 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086652.D
Acq: 15 May 2025 18:01

Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#14

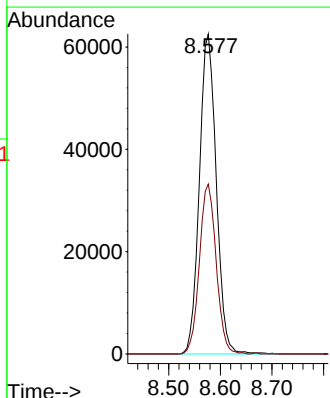
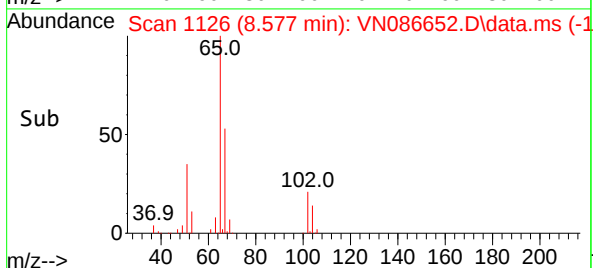
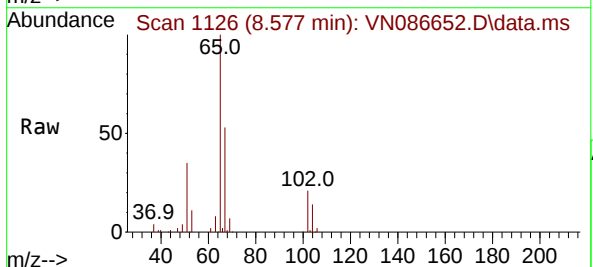


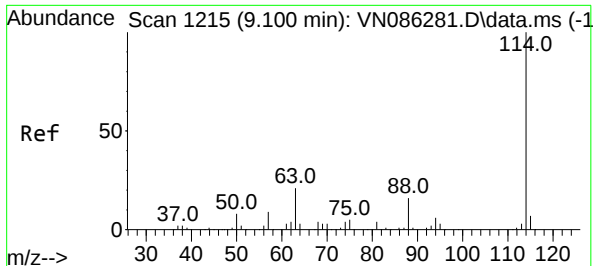
Tgt Ion: 56 Resp: 4312
Ion Ratio Lower Upper
56 100
69 186.4 24.2 36.2#
84 133.4 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 47.292 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086652.D
Acq: 15 May 2025 18:01

Tgt Ion: 65 Resp: 141771
Ion Ratio Lower Upper
65 100
67 52.7 0.0 106.0

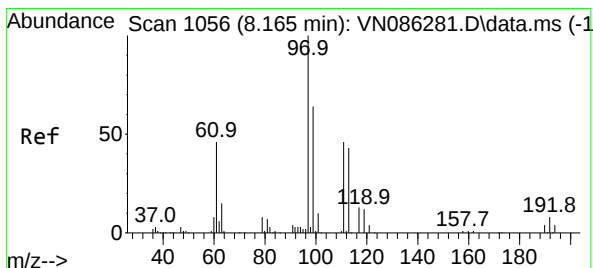
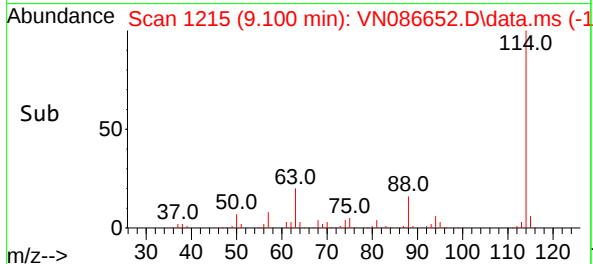
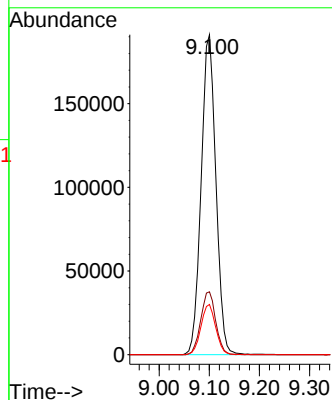
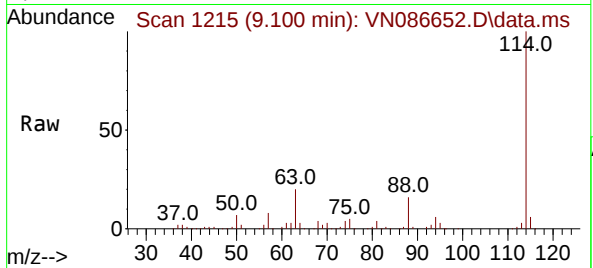




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086652.D
Acq: 15 May 2025 18:01

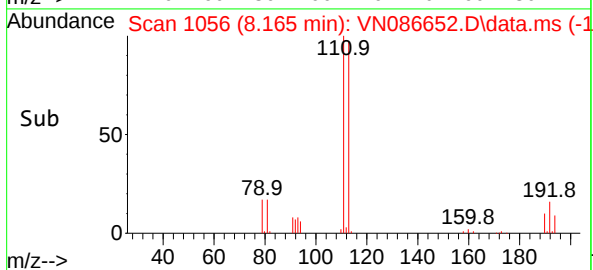
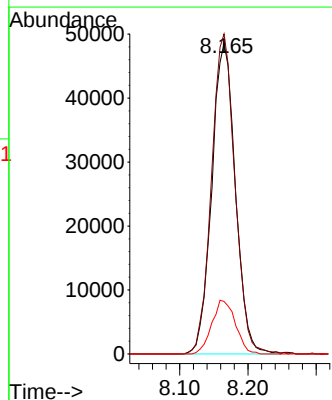
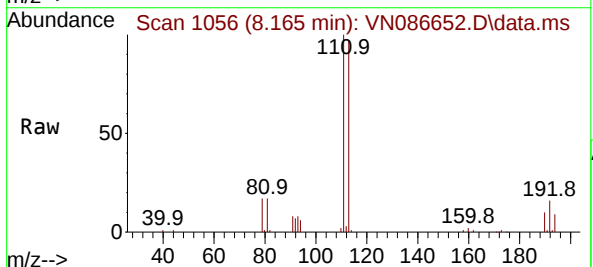
Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#14

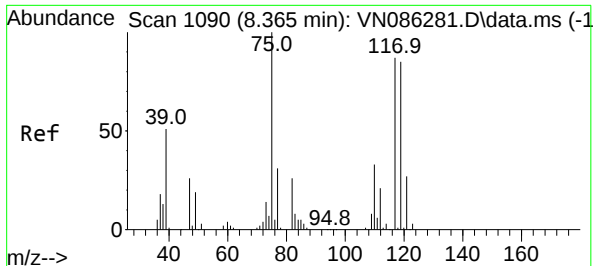
Tgt Ion:114 Resp: 390463
Ion Ratio Lower Upper
114 100
63 19.6 0.0 42.6
88 15.7 0.0 31.8



#35
Dibromofluoromethane
Concen: 64.554 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086652.D
Acq: 15 May 2025 18:01

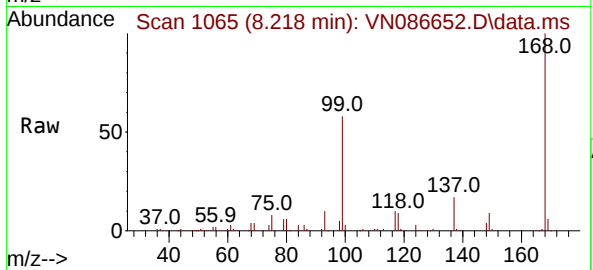
Tgt Ion:113 Resp: 116985
Ion Ratio Lower Upper
113 100
111 102.4 83.4 125.0
192 17.3 13.7 20.5



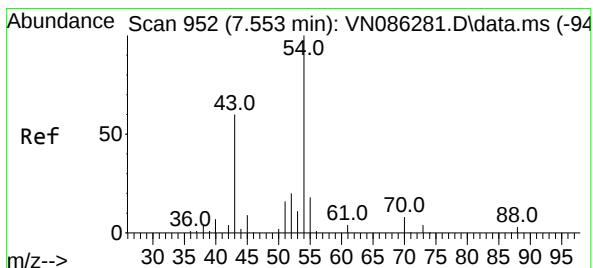
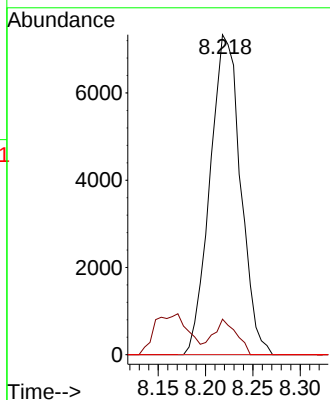
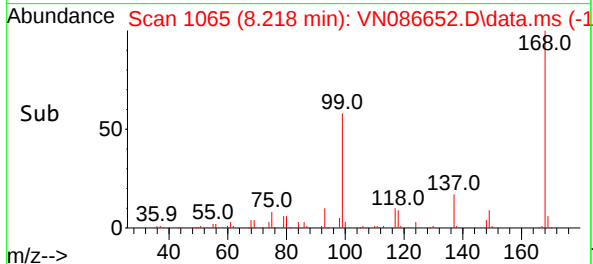


#36
1,1-Dichloropropene
Concen: 4.566 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN086652.D
Acq: 15 May 2025 18:01

Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#14

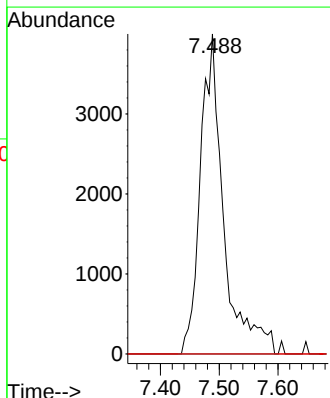
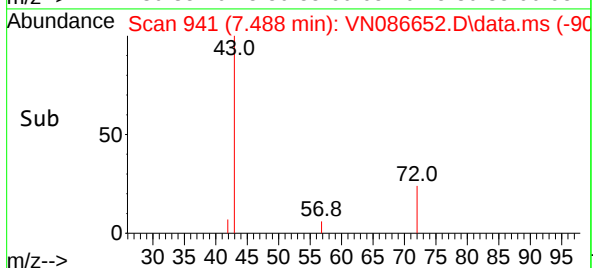
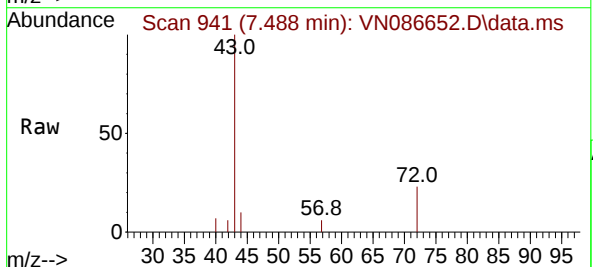


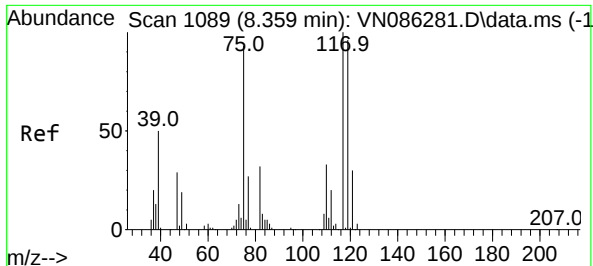
Tgt Ion: 75 Resp: 16526
Ion Ratio Lower Upper
75 100
110 8.5 16.8 50.4#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 2.874 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.065 min
Lab File: VN086652.D
Acq: 15 May 2025 18:01

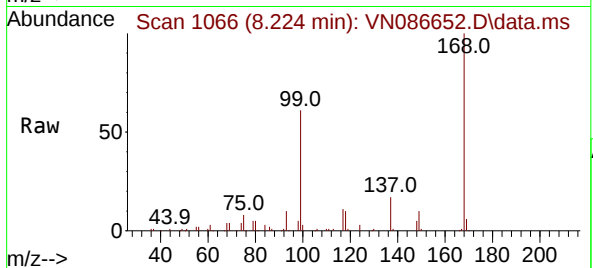
Tgt Ion: 43 Resp: 10951
Ion Ratio Lower Upper
43 100
61 0.0 11.1 16.7#
70 0.0 9.2 13.8#



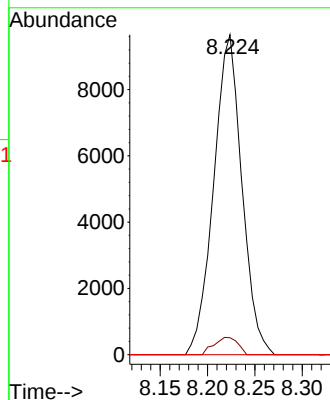
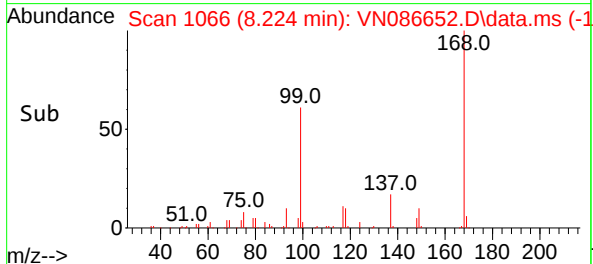


#38
Carbon Tetrachloride
Concen: 5.806 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN086652.D
Acq: 15 May 2025 18:01

Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#14

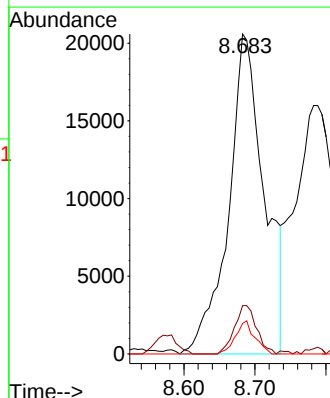
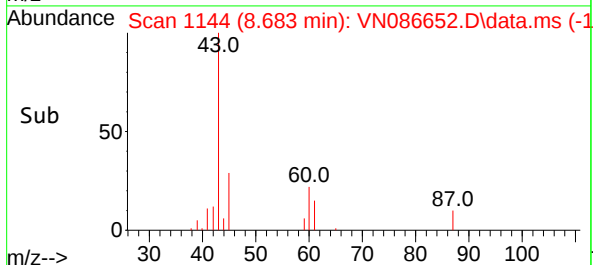
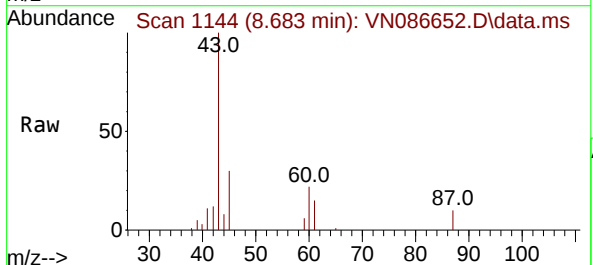


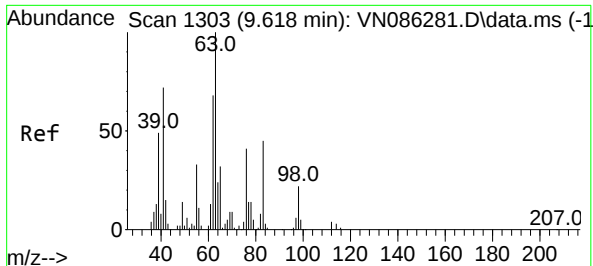
Tgt Ion:117 Resp: 20013
Ion Ratio Lower Upper
117 100
119 5.3 76.8 115.2#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: 8.754 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN086652.D
Acq: 15 May 2025 18:01

Tgt Ion: 43 Resp: 71509
Ion Ratio Lower Upper
43 100
61 9.4 20.5 30.7#
87 5.6 10.5 15.7#





#45

1,2-Dichloropropane

Concen: 0.509 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN086652.D

Acq: 15 May 2025 18:01

Instrument :

MSVOA_N

ClientSampleId :

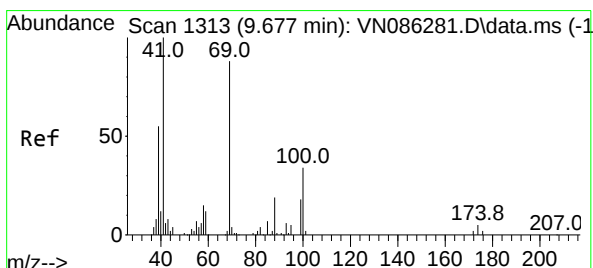
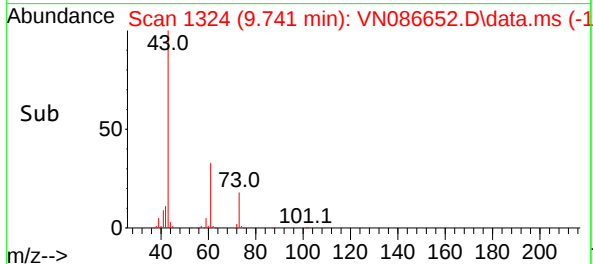
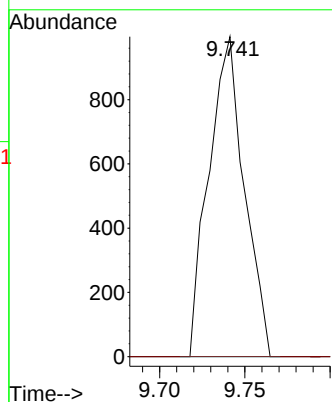
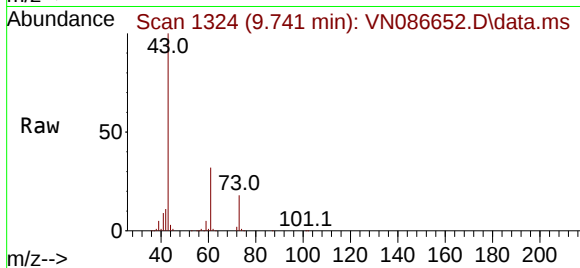
PB167995ZHE#14

Tgt Ion: 63 Resp: 1444

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.2#



#48

Methyl methacrylate

Concen: 26.286 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.059 min

Lab File: VN086652.D

Acq: 15 May 2025 18:01

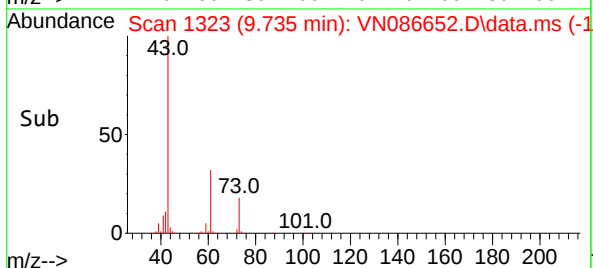
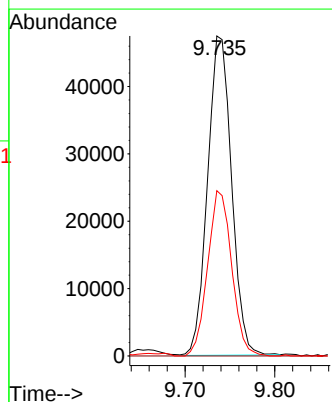
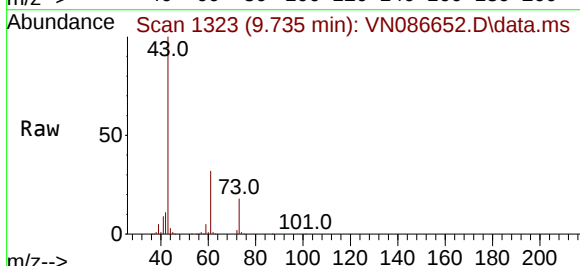
Tgt Ion: 41 Resp: 87964

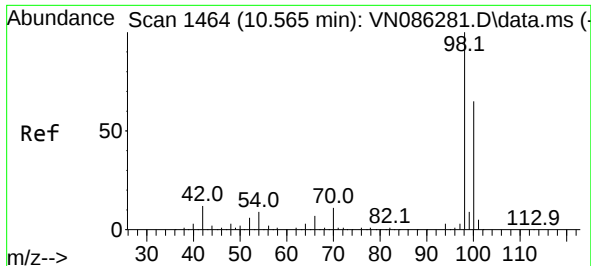
Ion Ratio Lower Upper

41 100

69 0.0 68.2 102.2#

39 51.9 45.2 67.8

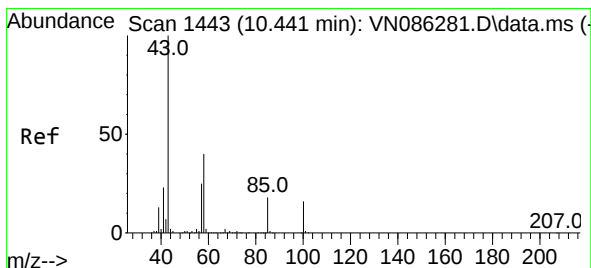
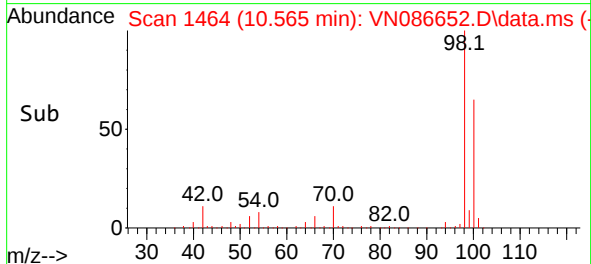
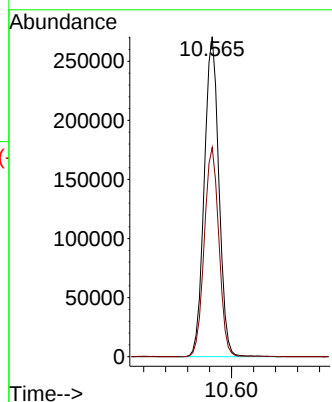
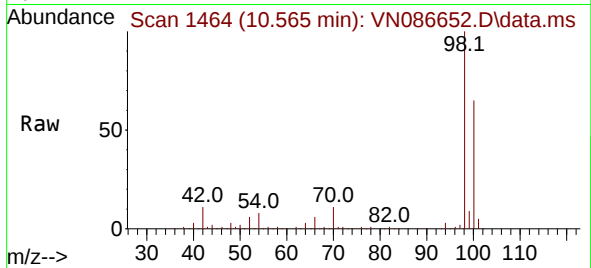




#50
Toluene-d8
Concen: 51.588 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086652.D
Acq: 15 May 2025 18:01

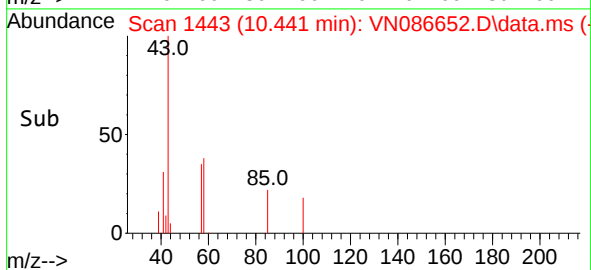
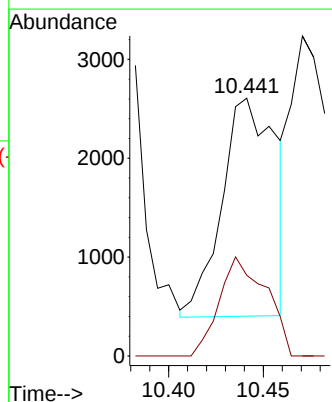
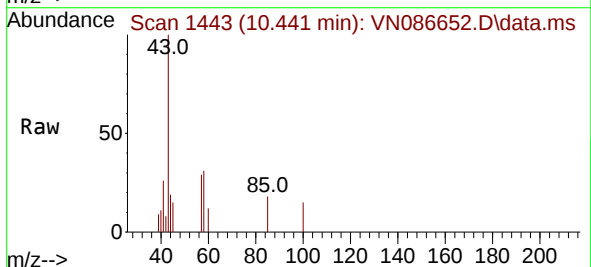
Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#14

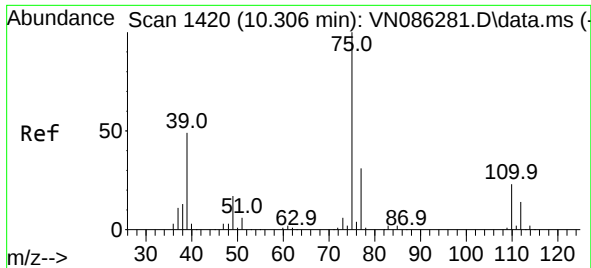
Tgt Ion: 98 Resp: 499645
Ion Ratio Lower Upper
98 100
100 65.5 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.118 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN086652.D
Acq: 15 May 2025 18:01

Tgt Ion: 43 Resp: 4363
Ion Ratio Lower Upper
43 100
58 39.5 32.2 48.4

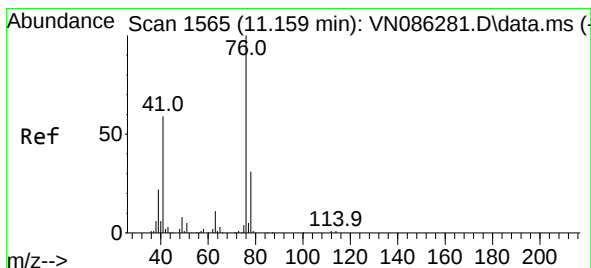
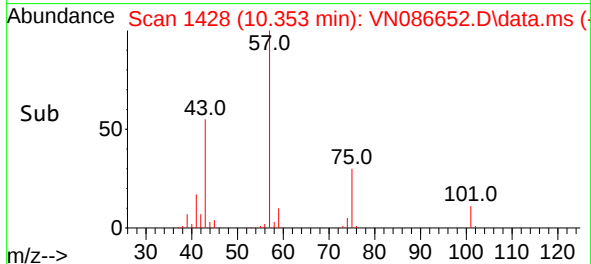
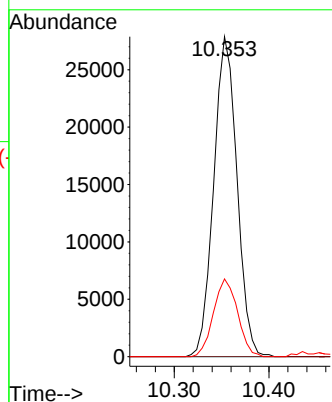
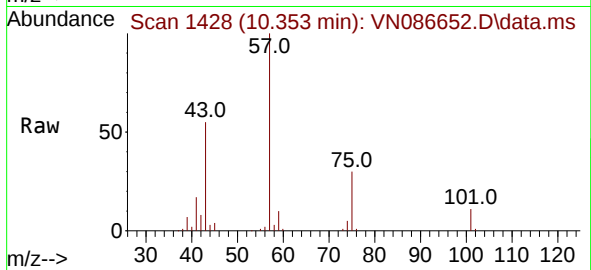




#54
 cis-1,3-Dichloropropene
 Concen: 9.928 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN086652.D
 Acq: 15 May 2025 18:01

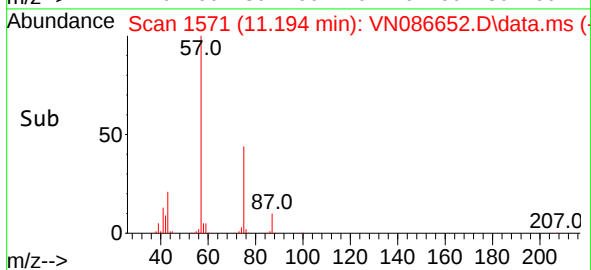
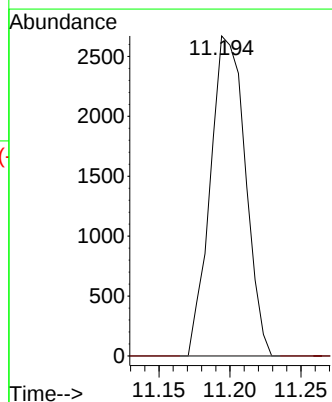
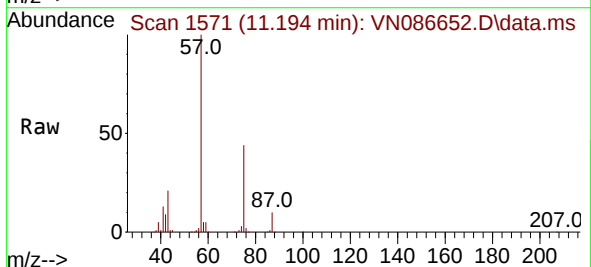
Instrument :
 MSVOA_N
 ClientSampleId :
 PB167995ZHE#14

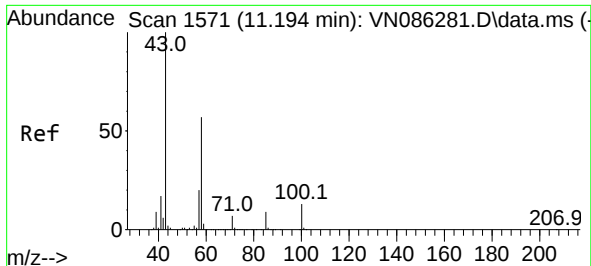
Tgt Ion: 75 Resp: 47551
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.2 37.8#
 39 24.3 39.3 58.9#



#57
 1,3-Dichloropropane
 Concen: 0.991 ug/l
 RT: 11.194 min Scan# 1571
 Delta R.T. 0.035 min
 Lab File: VN086652.D
 Acq: 15 May 2025 18:01

Tgt Ion: 76 Resp: 4579
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#

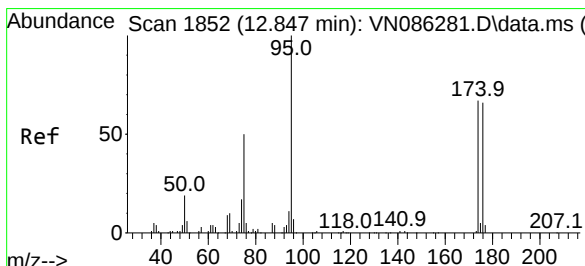
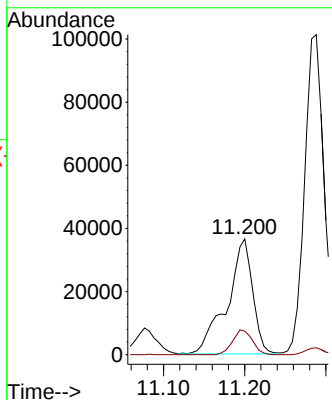
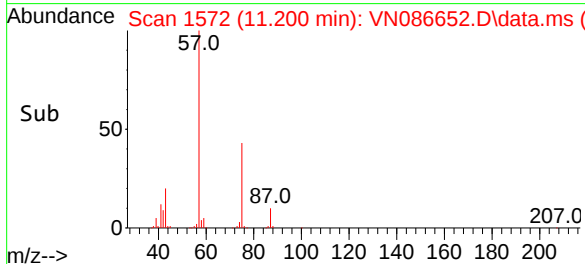
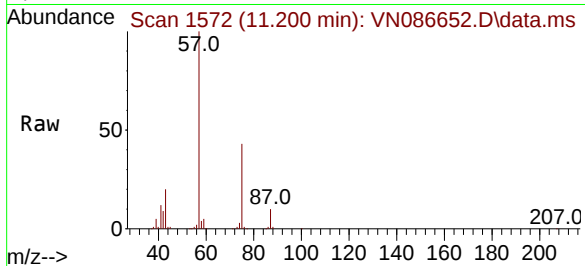




#59
2-Hexanone
Concen: 27.494 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN086652.D
Acq: 15 May 2025 18:01

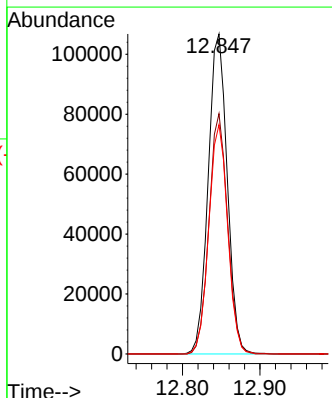
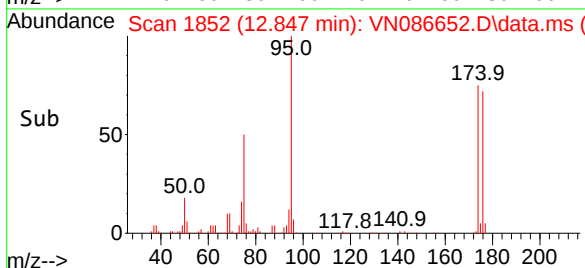
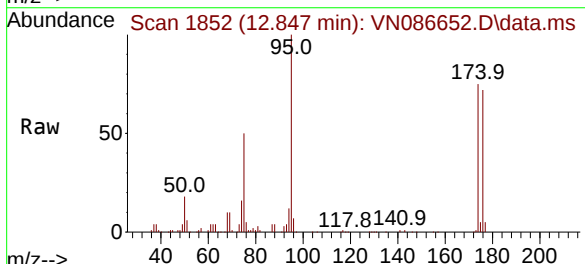
Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#14

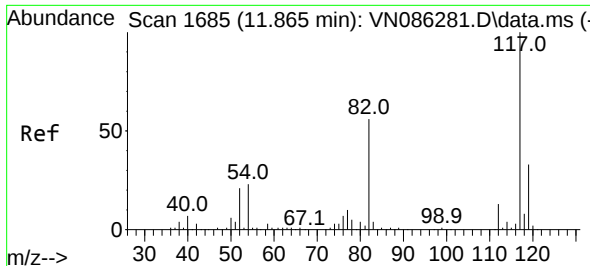
Tgt Ion: 43 Resp: 79578
Ion Ratio Lower Upper
43 100
58 16.6 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: 51.536 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086652.D
Acq: 15 May 2025 18:01

Tgt Ion: 95 Resp: 182058
Ion Ratio Lower Upper
95 100
174 73.7 0.0 133.4
176 71.0 0.0 129.2

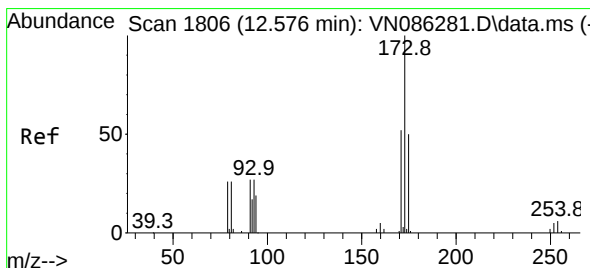
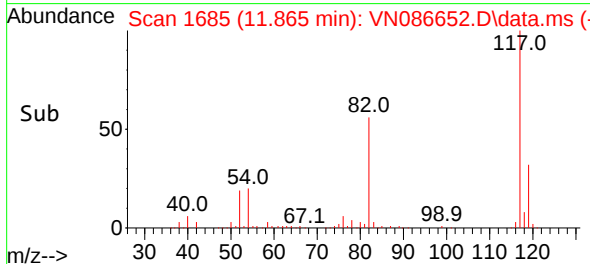
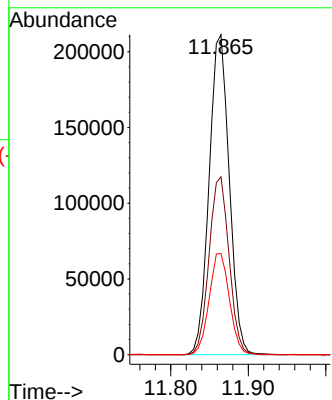
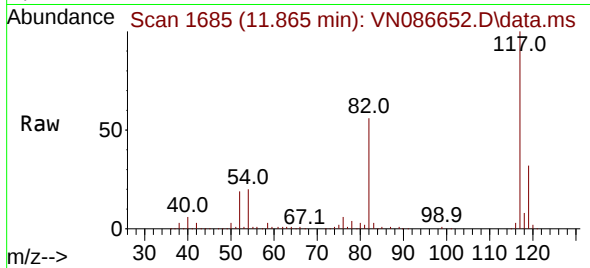




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086652.D
Acq: 15 May 2025 18:01

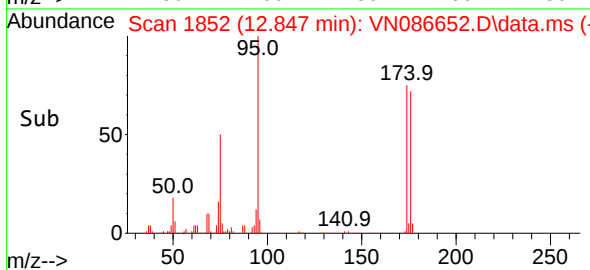
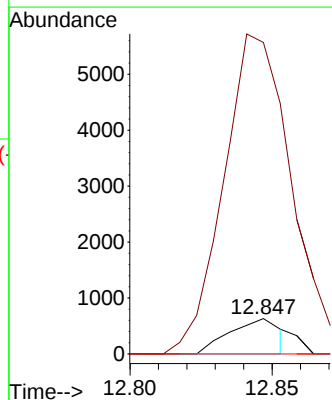
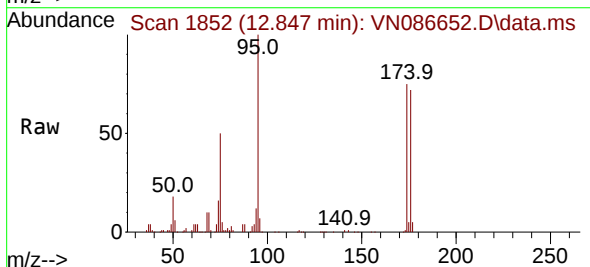
Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#14

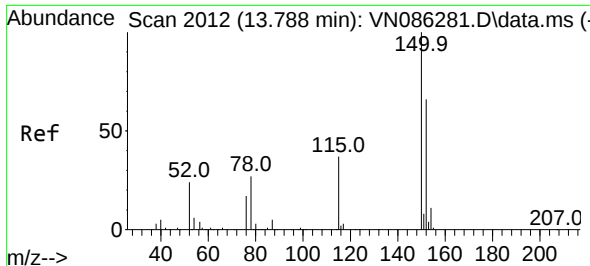
Tgt Ion:117 Resp: 381225
Ion Ratio Lower Upper
117 100
82 55.6 44.7 67.1
119 31.6 26.4 39.6



#71
Bromoform
Concen: 0.370 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN086652.D
Acq: 15 May 2025 18:01

Tgt Ion:173 Resp: 781
Ion Ratio Lower Upper
173 100
175 1014.5 24.6 73.6#
254 0.0 0.0 0.0

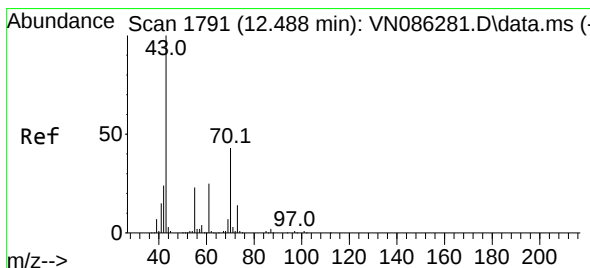
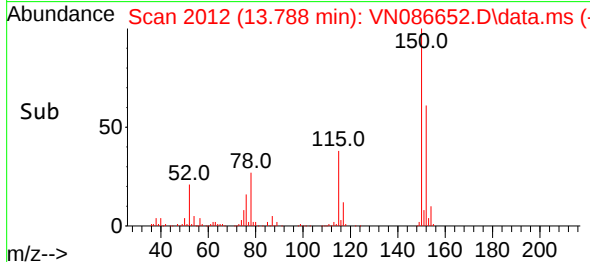
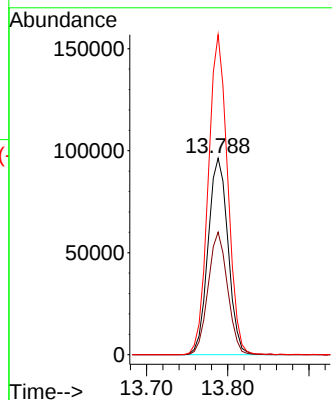
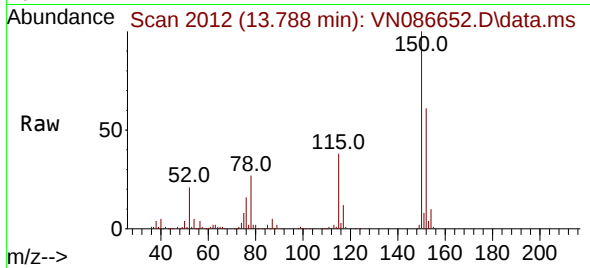




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086652.D
Acq: 15 May 2025 18:01

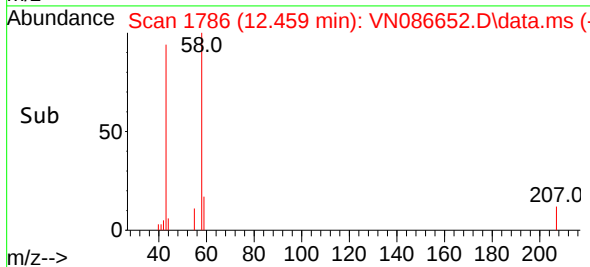
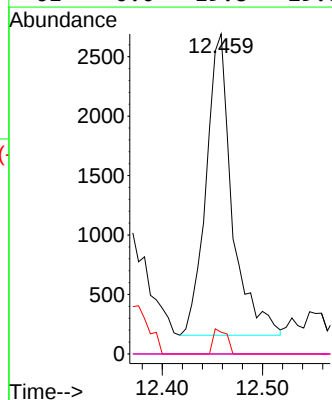
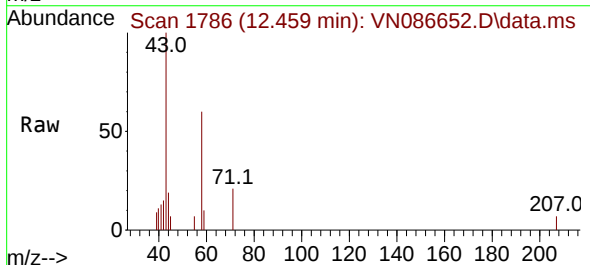
Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#14

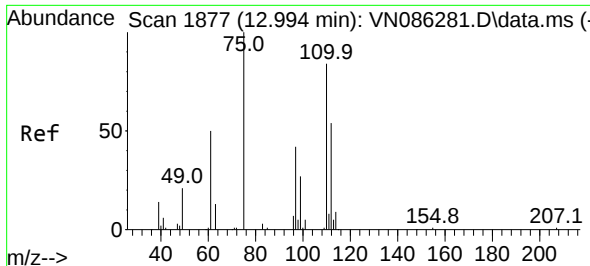
Tgt Ion:152 Resp: 163987
Ion Ratio Lower Upper
152 100
115 60.7 31.9 95.9
150 158.2 0.0 352.0



#74
N-ethyl acetate
Concen: 0.684 ug/l
RT: 12.459 min Scan# 1786
Delta R.T. -0.029 min
Lab File: VN086652.D
Acq: 15 May 2025 18:01

Tgt Ion: 43 Resp: 4566
Ion Ratio Lower Upper
43 100
70 0.0 35.0 52.4#
55 4.3 19.0 28.4#
61 0.0 19.8 29.8#

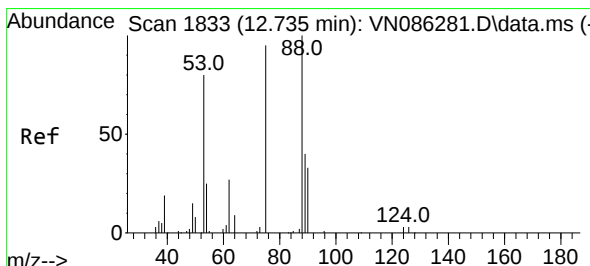
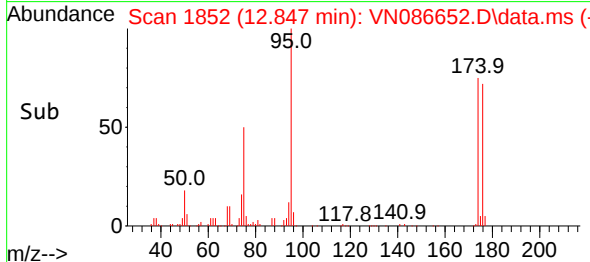
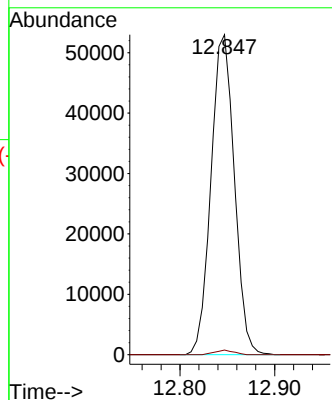
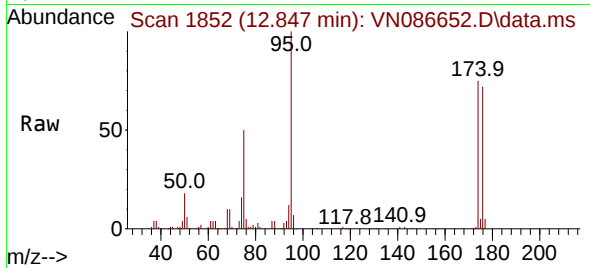




#76
1,2,3-Trichloropropane
Concen: 23.451 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086652.D
Acq: 15 May 2025 18:01

Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#14

Tgt Ion: 75 Resp: 90750
Ion Ratio Lower Upper
75 100
77 1.2 98.8 296.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.319 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086652.D
Acq: 15 May 2025 18:01

Tgt Ion: 75 Resp: 90750
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#

