

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051525\
 Data File : VN086656.D
 Acq On : 15 May 2025 19:37
 Operator : JC\MD
 Sample : PB167995ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167995ZHE#01

Quant Time: May 16 05:33:48 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

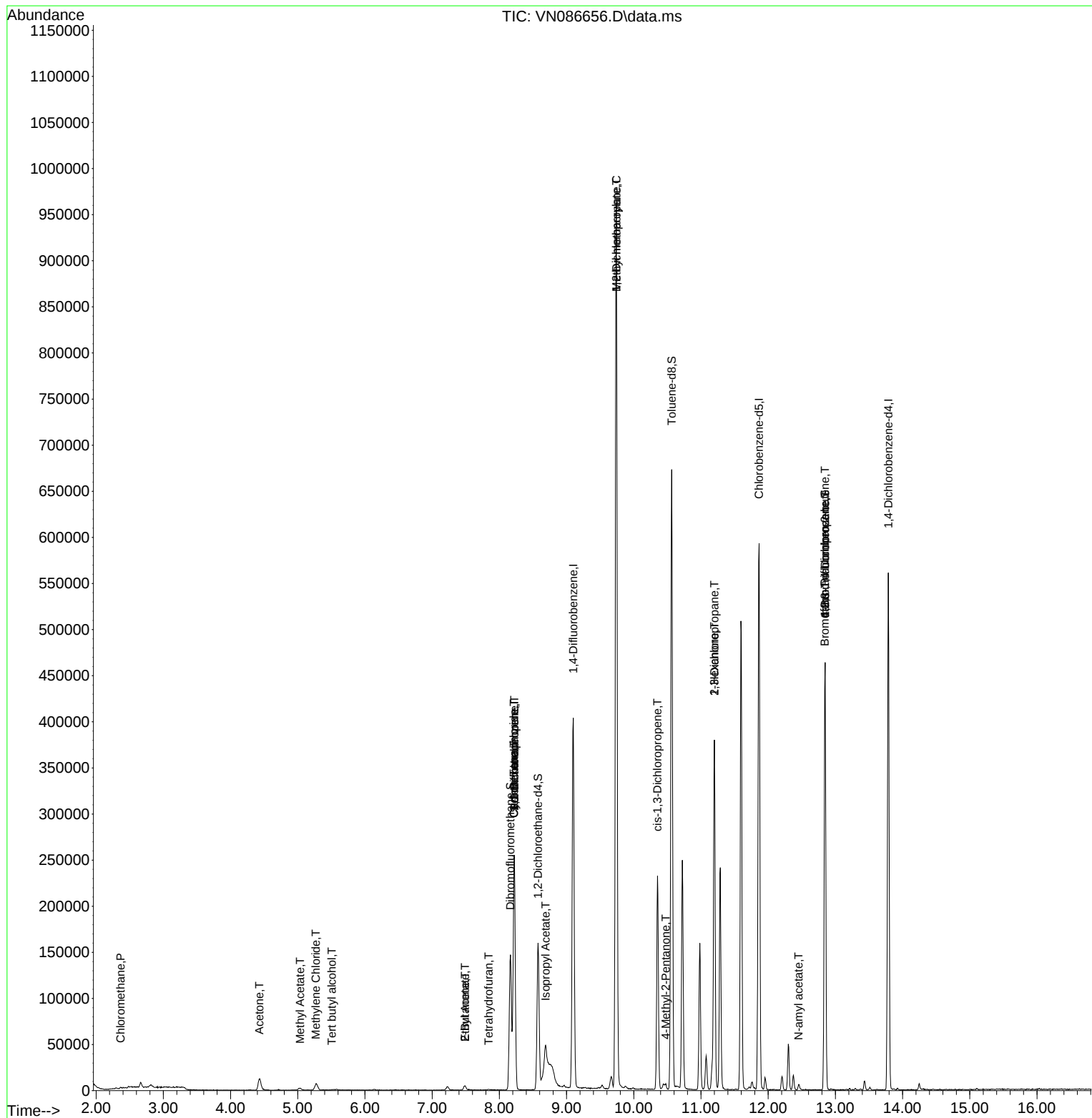
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	189533	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	363960	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	357937	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	152993	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	132083	48.058	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.120%		
35) Dibromofluoromethane	8.165	113	108953	64.500	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	129.000%#		
50) Toluene-d8	10.565	98	471922	52.274	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	104.540%		
62) 4-Bromofluorobenzene	12.847	95	170334	51.729	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	103.460%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	791	0.242	ug/l #	86
11) Tert butyl alcohol	5.506	59	483	0.963	ug/l #	72
16) Acetone	4.430	43	26562	22.766	ug/l	99
18) Methyl Acetate	5.036	43	4874	1.477	ug/l #	71
20) Methylene Chloride	5.271	84	6087	2.396	ug/l	90
25) 2-Butanone	7.488	43	8876	5.188	ug/l	93
29) Tetrahydrofuran	7.841	42	729	0.637	ug/l #	32
31) Cyclohexane	8.218	56	3975	0.892	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	15191	4.503	ug/l #	48
37) Ethyl Acetate	7.488	43	8876	2.499	ug/l #	68
38) Carbon Tetrachloride	8.218	117	18648	5.804	ug/l #	16
43) Isopropyl Acetate	8.688	43	89702	12.458	ug/l #	69
45) 1,2-Dichloropropane	9.741	63	1053	0.398	ug/l #	43
48) Methyl methacrylate	9.741	41	84801	27.186	ug/l #	41
51) 4-Methyl-2-Pentanone	10.476	43	4294	1.181	ug/l #	35
54) cis-1,3-Dichloropropene	10.353	75	45060	10.093	ug/l #	57
57) 1,3-Dichloropropane	11.200	76	4220	0.980	ug/l #	43
59) 2-Hexanone	11.200	43	75404	27.949	ug/l #	45
71) Bromoform	12.841	173	891	0.449	ug/l #	1
74) N-amyl acetate	12.453	43	4189	0.672	ug/l #	44
76) 1,2,3-Trichloropropane	12.847	75	85260	23.615	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	85260	56.715	ug/l #	10

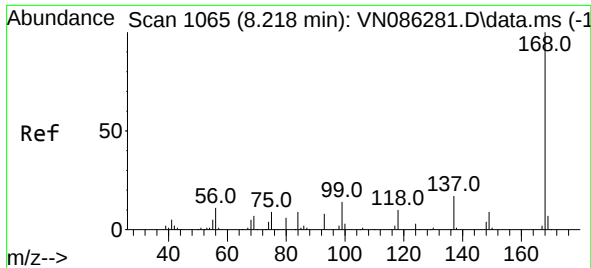
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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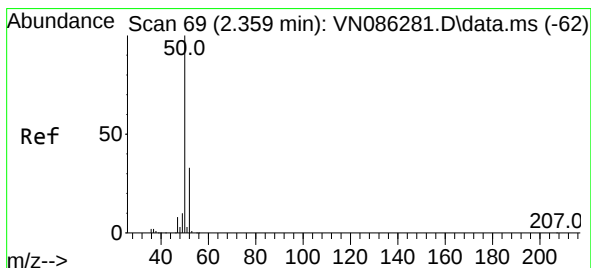
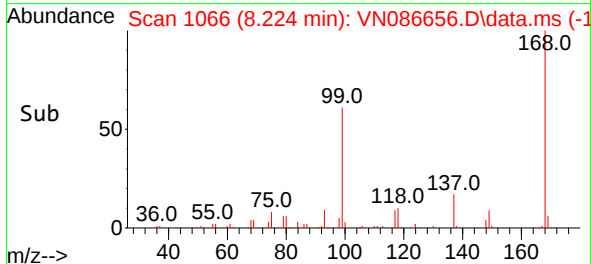
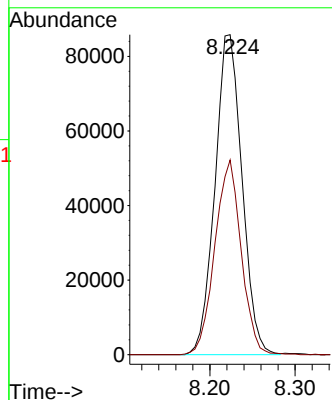
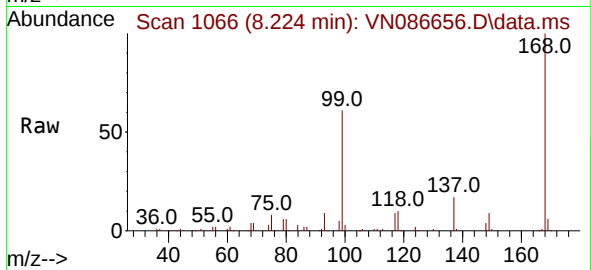




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN086656.D
Acq: 15 May 2025 19:37

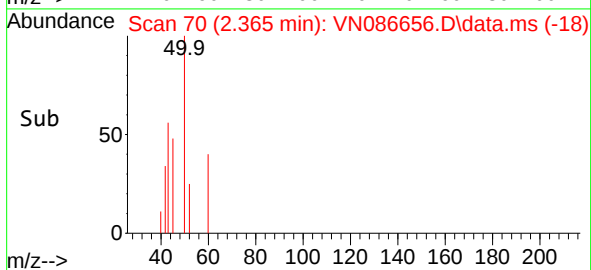
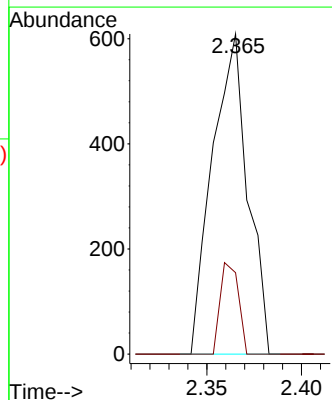
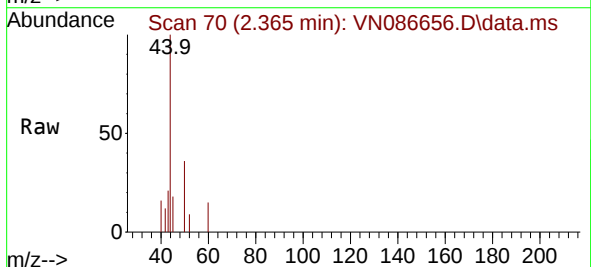
Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#01

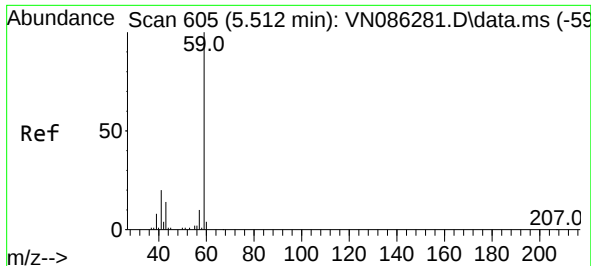
Tgt Ion:168 Resp: 189533
Ion Ratio Lower Upper
168 100
99 60.9 52.5 78.7



#3
Chloromethane
Concen: 0.242 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086656.D
Acq: 15 May 2025 19:37

Tgt Ion: 50 Resp: 791
Ion Ratio Lower Upper
50 100
52 25.5 26.5 39.7#

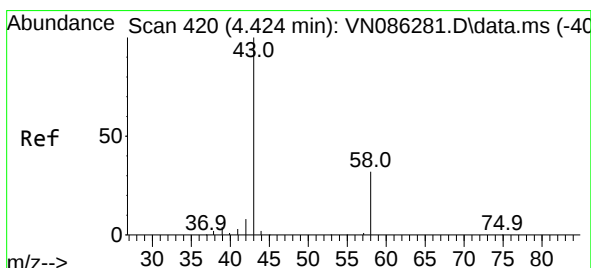
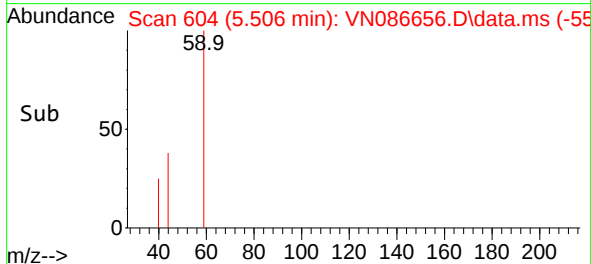
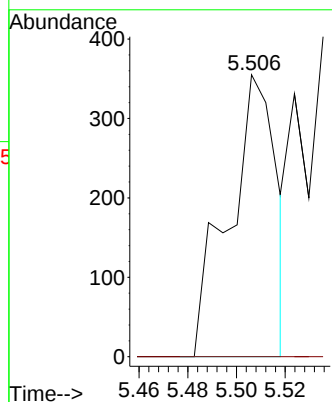
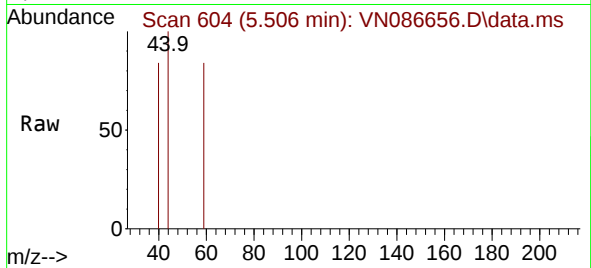




#11
Tert butyl alcohol
Concen: 0.963 ug/l
RT: 5.506 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN086656.D
Acq: 15 May 2025 19:37

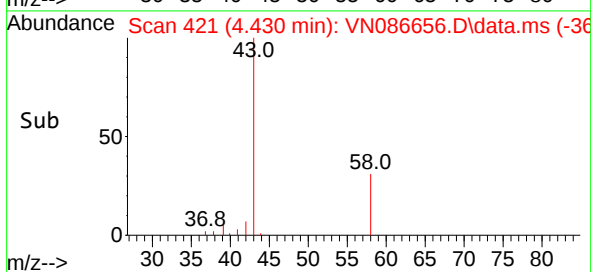
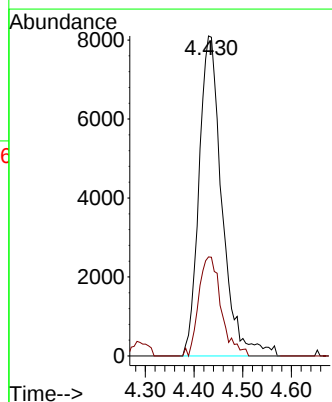
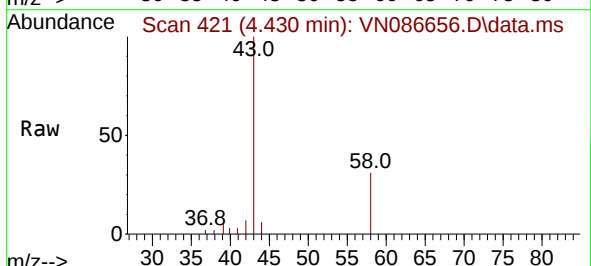
Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#01

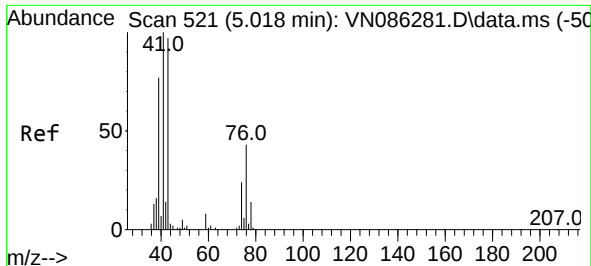
Tgt Ion: 59 Resp: 483
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 22.766 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086656.D
Acq: 15 May 2025 19:37

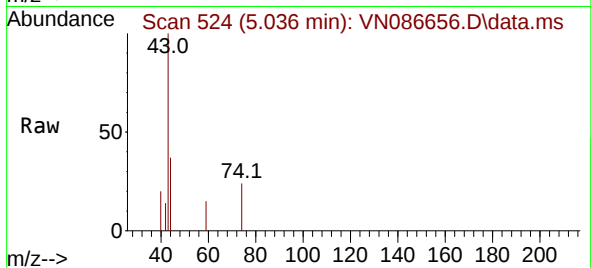
Tgt Ion: 43 Resp: 26562
Ion Ratio Lower Upper
43 100
58 30.9 25.3 37.9



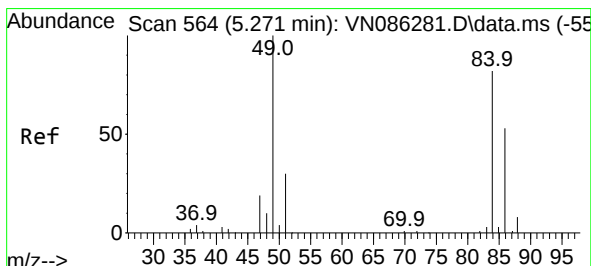
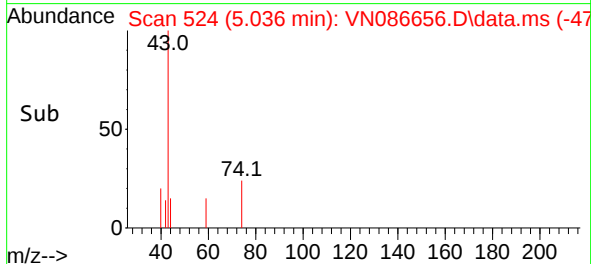
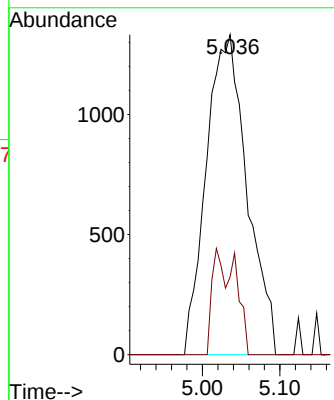


#18
Methyl Acetate
Concen: 1.477 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN086656.D
Acq: 15 May 2025 19:37

Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#01

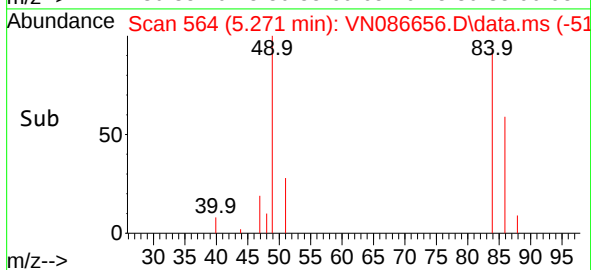
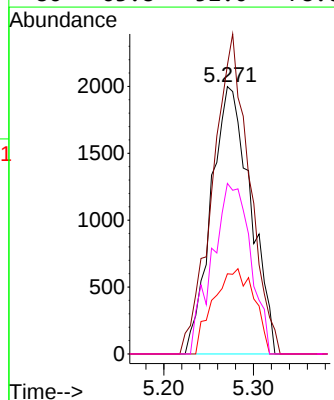
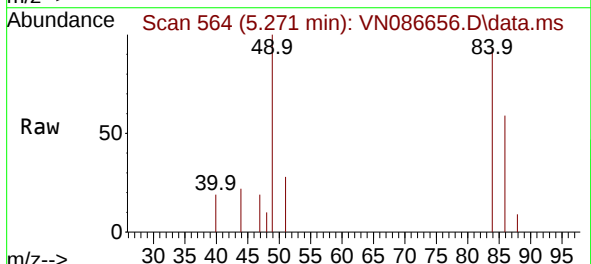


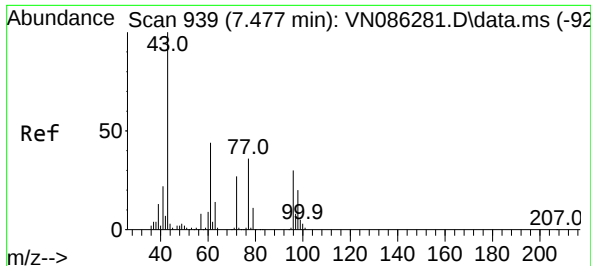
Tgt Ion: 43 Resp: 4874
Ion Ratio Lower Upper
43 100
74 10.1 19.8 29.6#



#20
Methylene Chloride
Concen: 2.396 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.000 min
Lab File: VN086656.D
Acq: 15 May 2025 19:37

Tgt Ion: 84 Resp: 6087
Ion Ratio Lower Upper
84 100
49 108.1 98.2 147.2
51 30.0 29.8 44.6
86 63.8 52.0 78.0

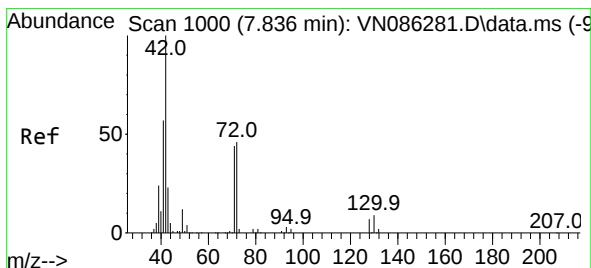
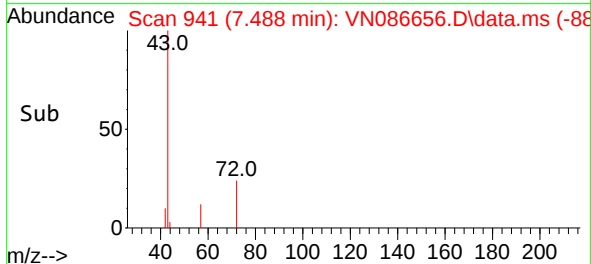
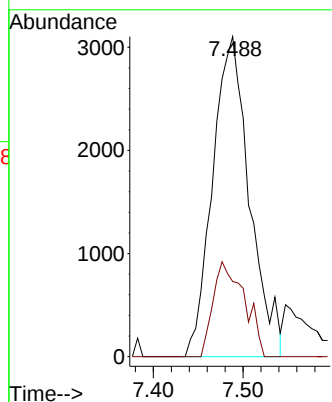
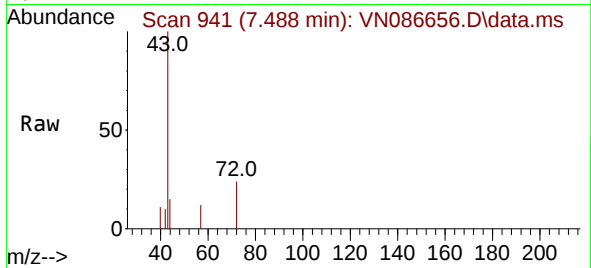




#25
2-Butanone
Concen: 5.188 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN086656.D
Acq: 15 May 2025 19:37

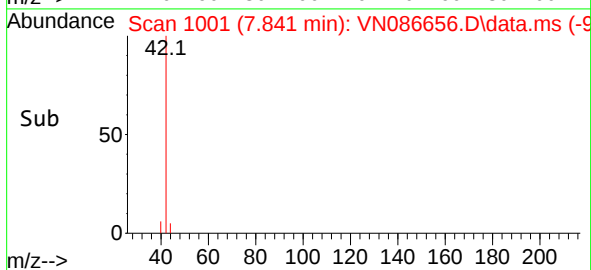
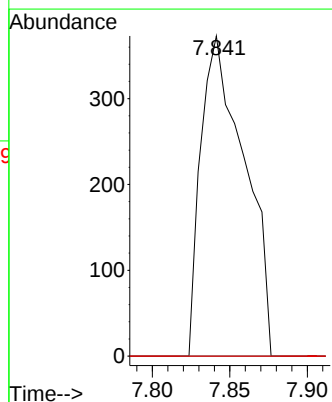
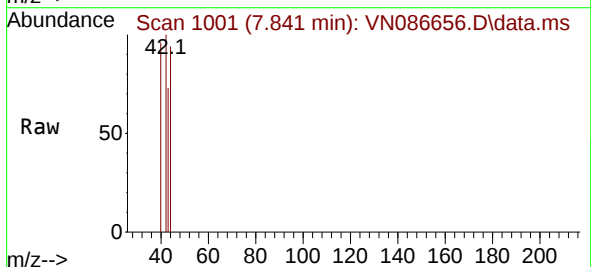
Instrument :
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ClientSampleId :
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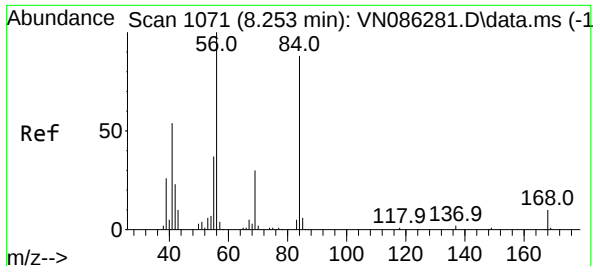
Tgt Ion: 43 Resp: 8876
Ion Ratio Lower Upper
43 100
72 23.5 21.7 32.5



#29
Tetrahydrofuran
Concen: 0.637 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VN086656.D
Acq: 15 May 2025 19:37

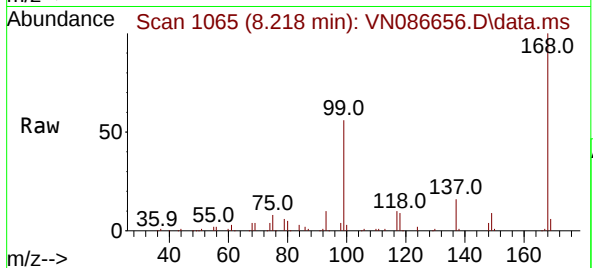
Tgt Ion: 42 Resp: 729
Ion Ratio Lower Upper
42 100
72 0.0 36.2 54.4#
71 0.0 34.0 51.0#



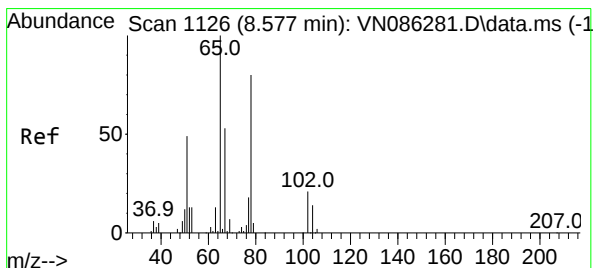
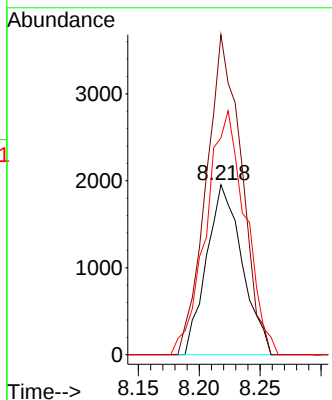
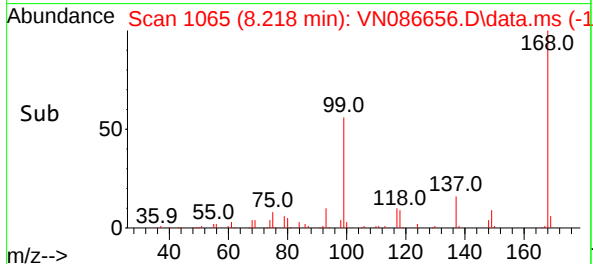


#31
Cyclohexane
Concen: 0.892 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086656.D
Acq: 15 May 2025 19:37

Instrument :
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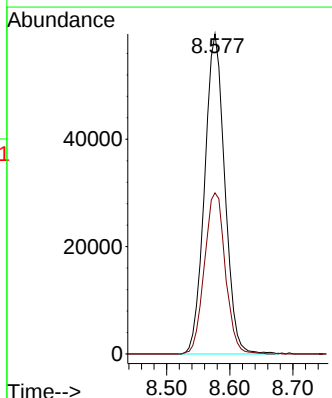
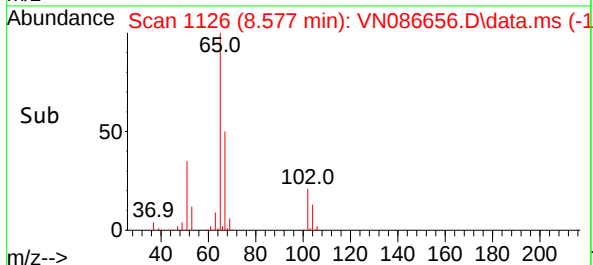
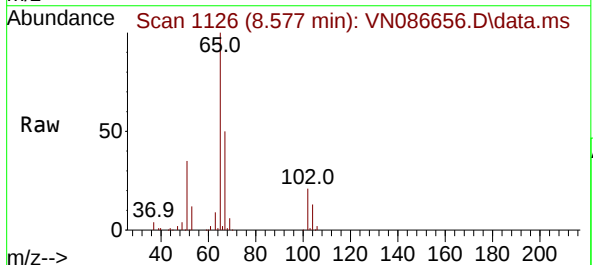


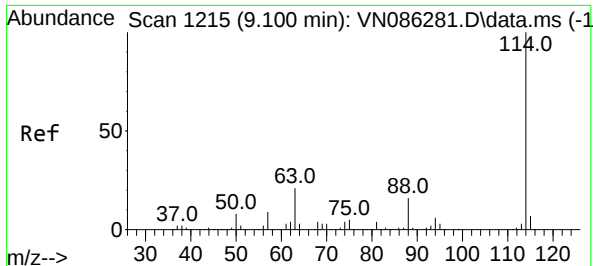
Tgt Ion: 56 Resp: 3975
Ion Ratio Lower Upper
56 100
69 188.3 24.2 36.2#
84 127.6 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 48.058 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086656.D
Acq: 15 May 2025 19:37

Tgt Ion: 65 Resp: 132083
Ion Ratio Lower Upper
65 100
67 52.2 0.0 106.0

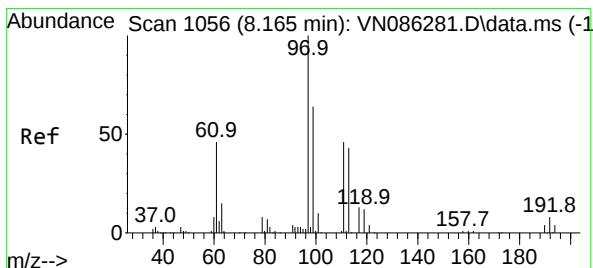
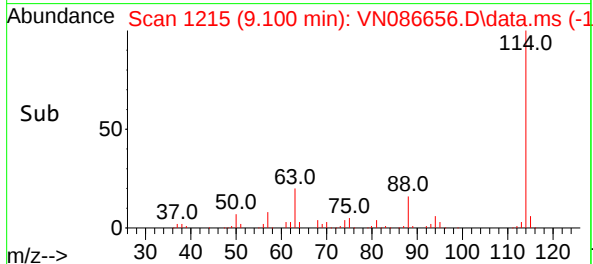
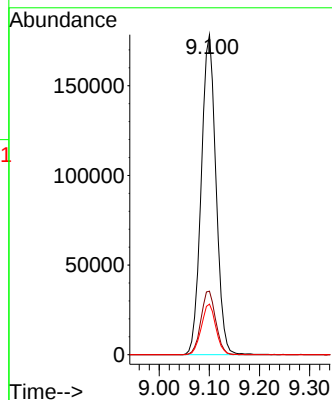
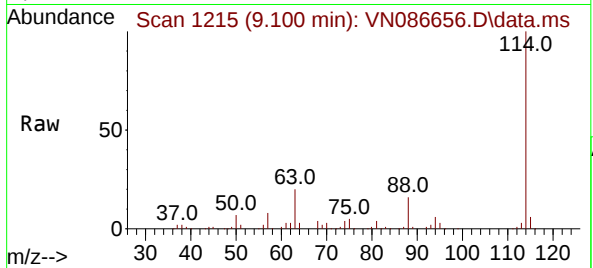




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086656.D
Acq: 15 May 2025 19:37

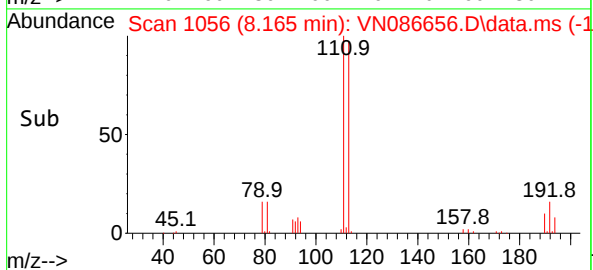
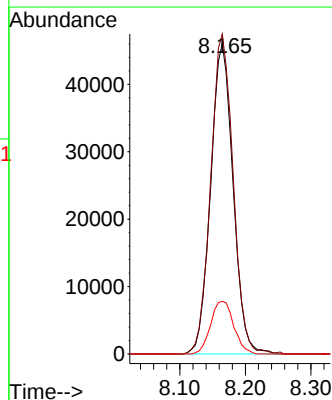
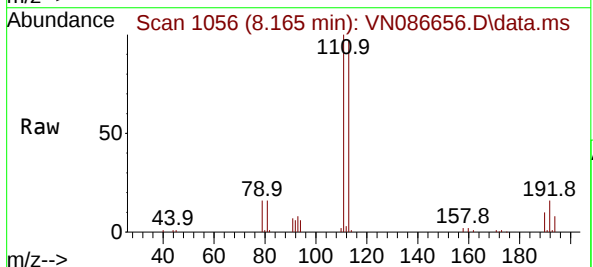
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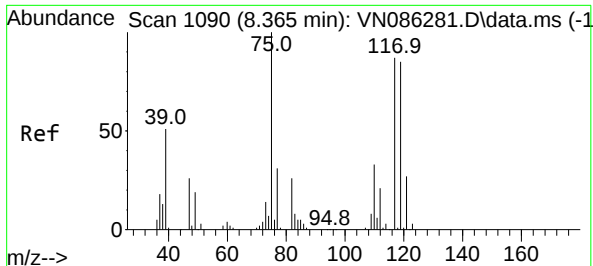
Tgt Ion:114 Resp: 363960
Ion Ratio Lower Upper
114 100
63 19.8 0.0 42.6
88 15.8 0.0 31.8



#35
Dibromofluoromethane
Concen: 64.500 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086656.D
Acq: 15 May 2025 19:37

Tgt Ion:113 Resp: 108953
Ion Ratio Lower Upper
113 100
111 103.5 83.4 125.0
192 17.5 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.503 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN086656.D

Acq: 15 May 2025 19:37

Instrument :

MSVOA_N

ClientSampleId :

PB167995ZHE#01

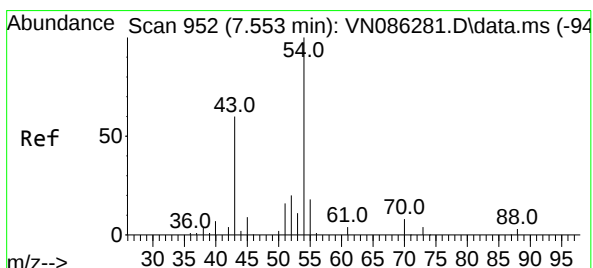
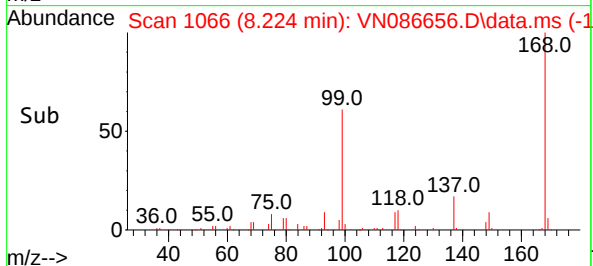
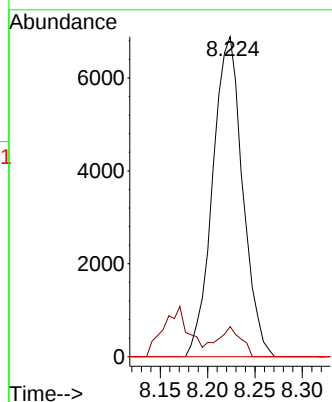
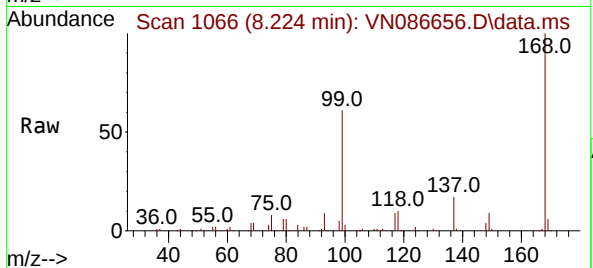
Tgt Ion: 75 Resp: 15191

Ion Ratio Lower Upper

75 100

110 6.2 16.8 50.4#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 2.499 ug/l

RT: 7.488 min Scan# 941

Delta R.T. -0.065 min

Lab File: VN086656.D

Acq: 15 May 2025 19:37

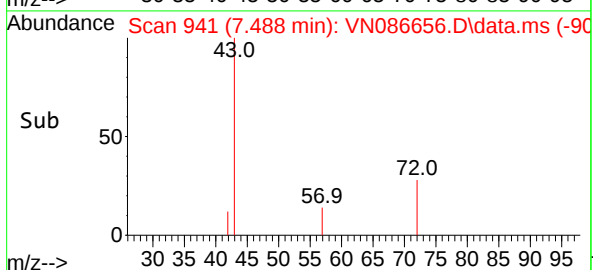
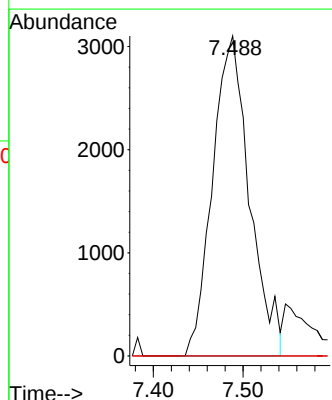
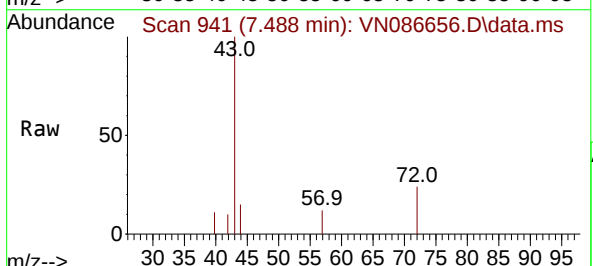
Tgt Ion: 43 Resp: 8876

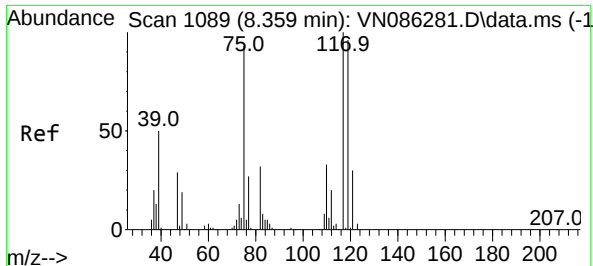
Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

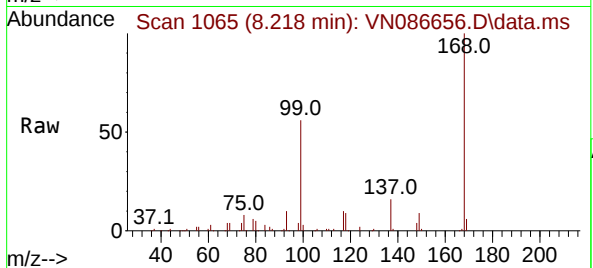
70 0.0 9.2 13.8#



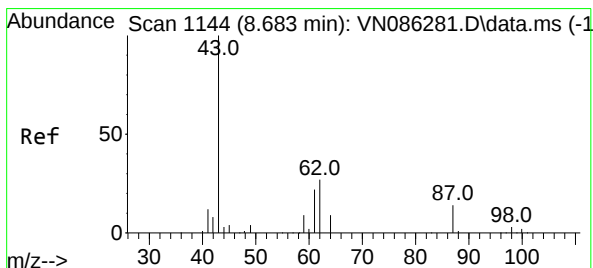
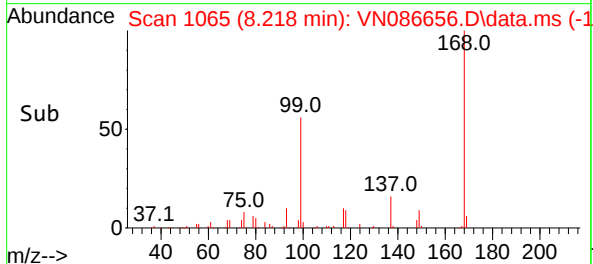
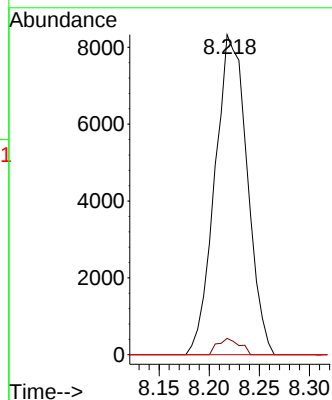


#38
Carbon Tetrachloride
Concen: 5.804 ug/l
RT: 8.218 min Scan# 1105
Delta R.T. -0.141 min
Lab File: VN086656.D
Acq: 15 May 2025 19:37

Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#01

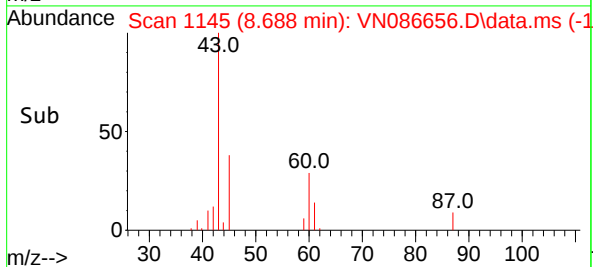
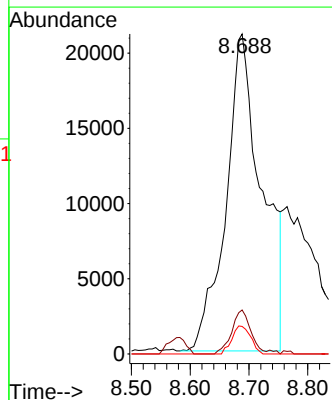
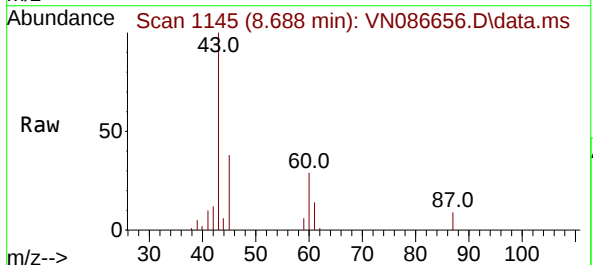


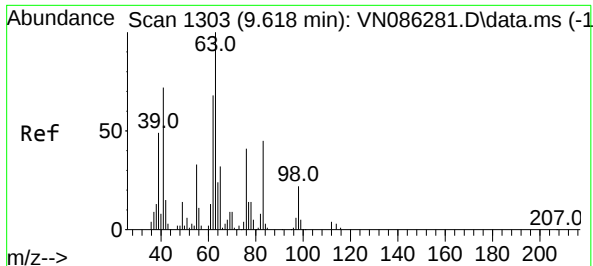
Tgt Ion:117 Resp: 18648
Ion Ratio Lower Upper
117 100
119 5.1 76.8 115.2#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: 12.458 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN086656.D
Acq: 15 May 2025 19:37

Tgt Ion: 43 Resp: 89702
Ion Ratio Lower Upper
43 100
61 7.3 20.5 30.7#
87 4.6 10.5 15.7#





#45

1,2-Dichloropropane

Concen: 0.398 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.123 min

Lab File: VN086656.D

Acq: 15 May 2025 19:37

Instrument :

MSVOA_N

ClientSampleId :

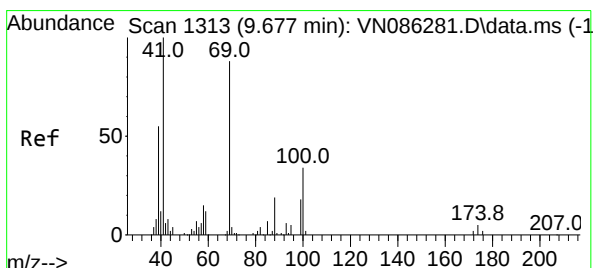
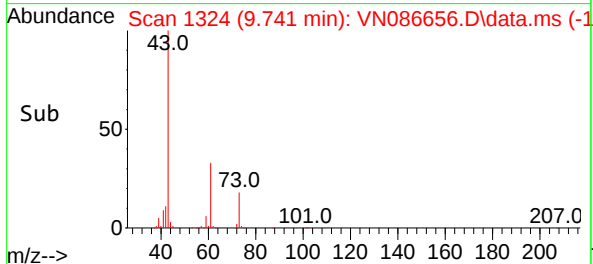
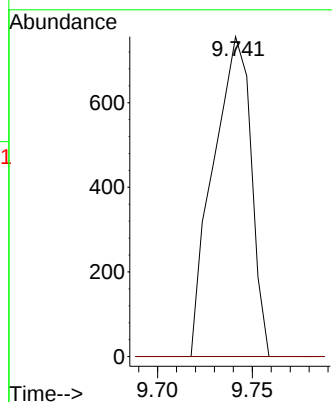
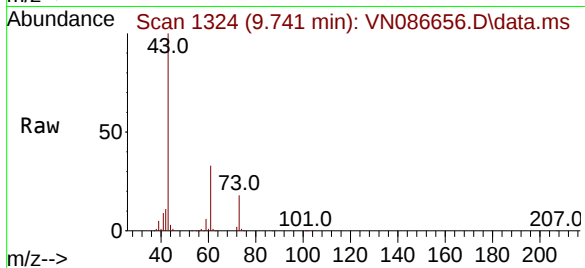
PB167995ZHE#01

Tgt Ion: 63 Resp: 1053

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.2#



#48

Methyl methacrylate

Concen: 27.186 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.065 min

Lab File: VN086656.D

Acq: 15 May 2025 19:37

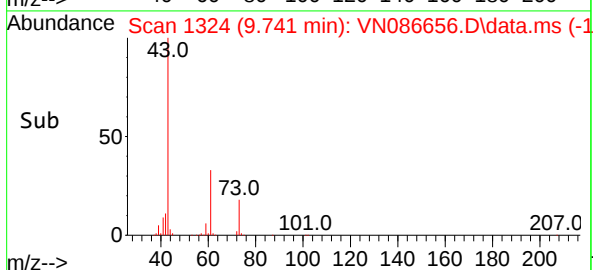
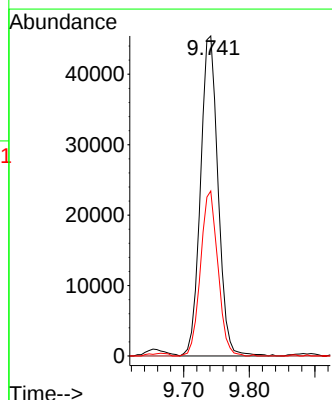
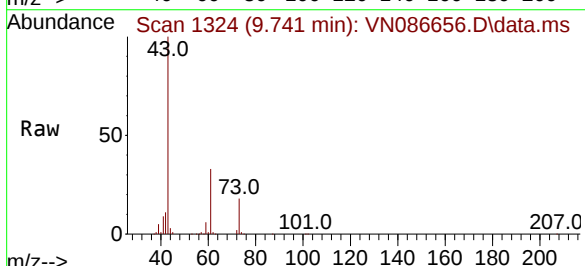
Tgt Ion: 41 Resp: 84801

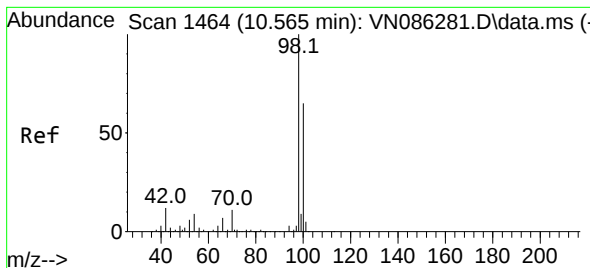
Ion Ratio Lower Upper

41 100

69 0.0 68.2 102.2#

39 50.9 45.2 67.8





#50

Toluene-d8

Concen: 52.274 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086656.D

Acq: 15 May 2025 19:37

Instrument :

MSVOA_N

ClientSampleId :

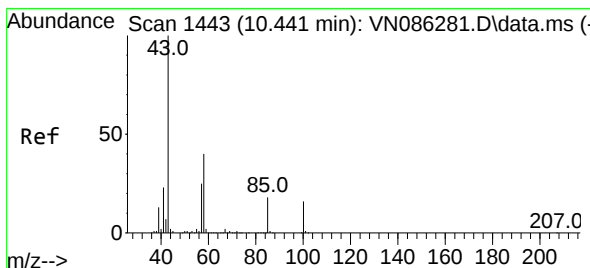
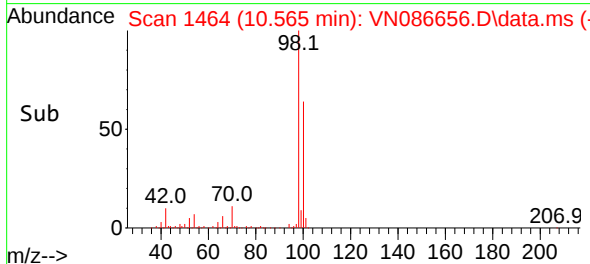
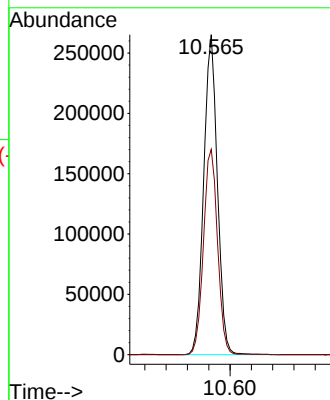
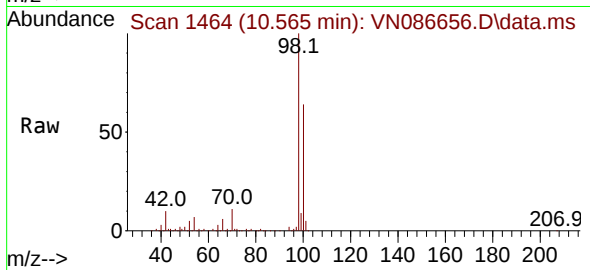
PB167995ZHE#01

Tgt Ion: 98 Resp: 471922

Ion Ratio Lower Upper

98 100

100 66.0 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 1.181 ug/l

RT: 10.476 min Scan# 1449

Delta R.T. 0.035 min

Lab File: VN086656.D

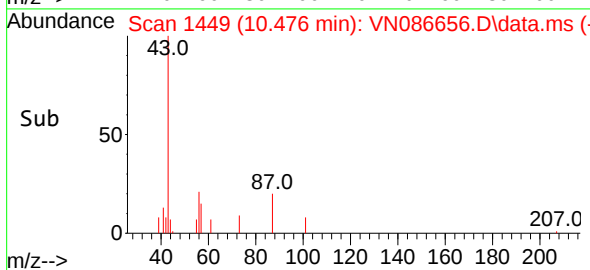
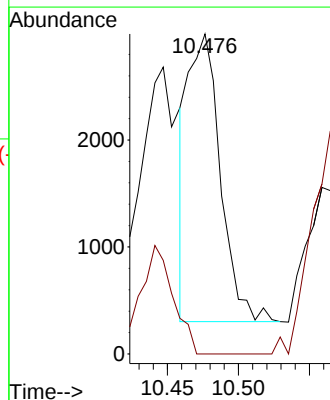
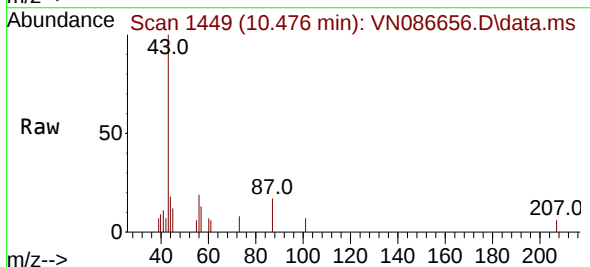
Acq: 15 May 2025 19:37

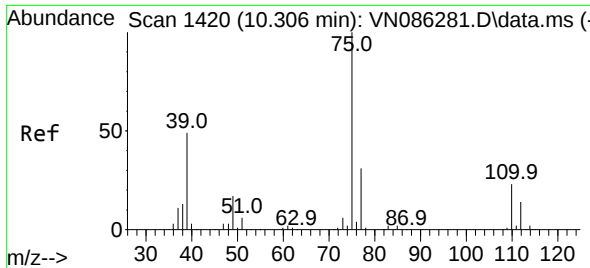
Tgt Ion: 43 Resp: 4294

Ion Ratio Lower Upper

43 100

58 0.0 32.2 48.4#

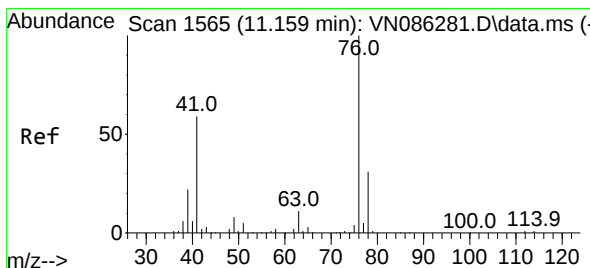
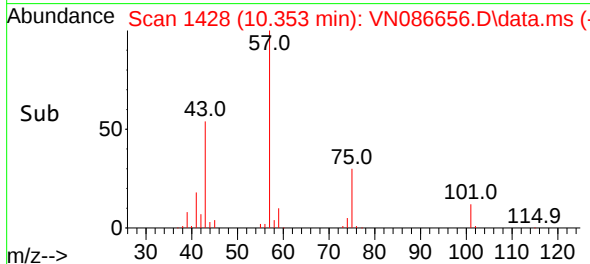
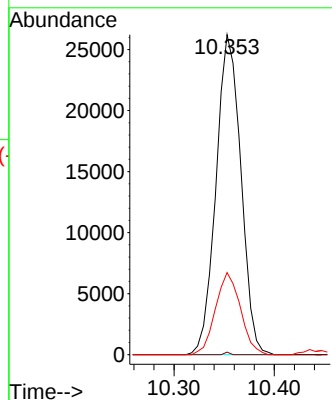
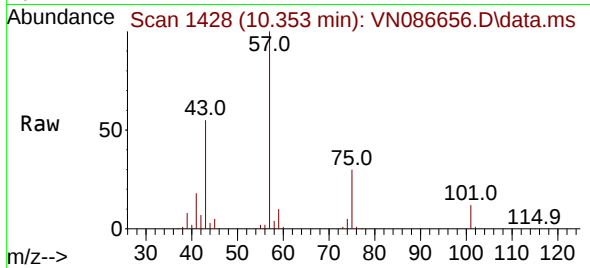




#54
 cis-1,3-Dichloropropene
 Concen: 10.093 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN086656.D
 Acq: 15 May 2025 19:37

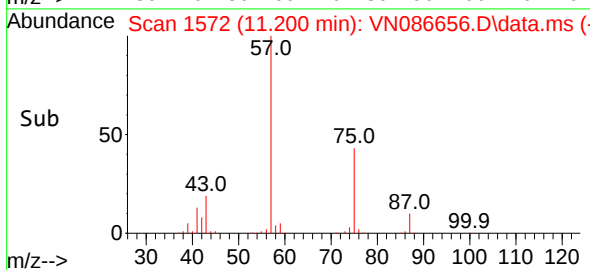
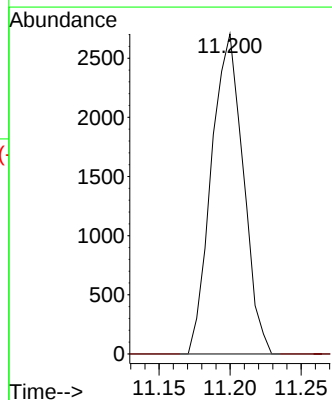
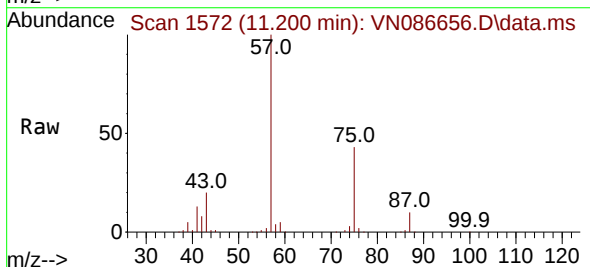
Instrument :
 MSVOA_N
 ClientSampleId :
 PB167995ZHE#01

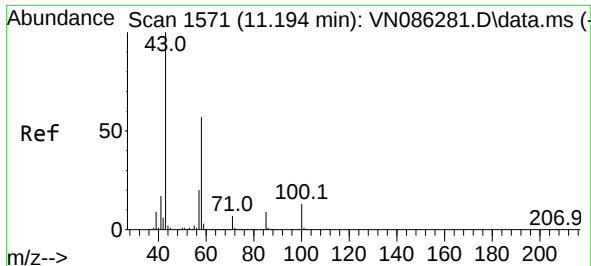
Tgt Ion: 75 Resp: 45060
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.2 37.8#
 39 25.6 39.3 58.9#



#57
 1,3-Dichloropropane
 Concen: 0.980 ug/l
 RT: 11.200 min Scan# 1572
 Delta R.T. 0.041 min
 Lab File: VN086656.D
 Acq: 15 May 2025 19:37

Tgt Ion: 76 Resp: 4220
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#

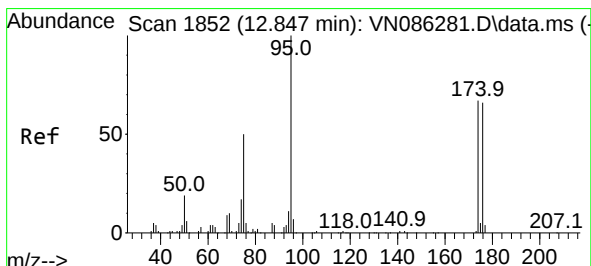
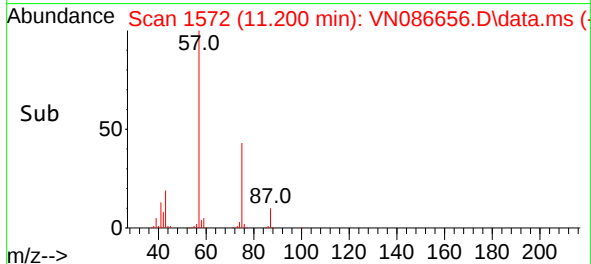
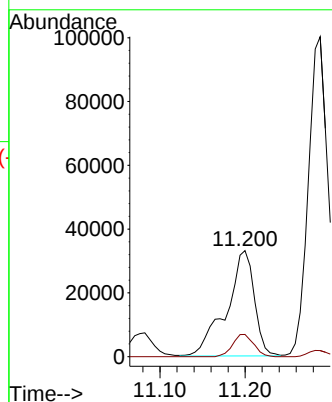
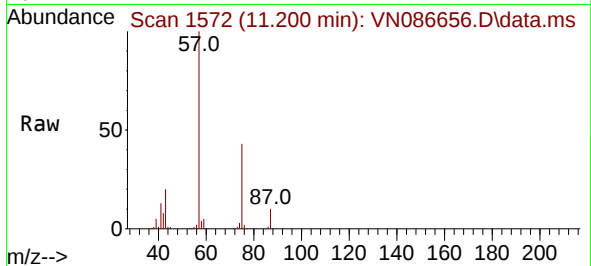




#59
2-Hexanone
Concen: 27.949 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086656.D
Acq: 15 May 2025 19:37

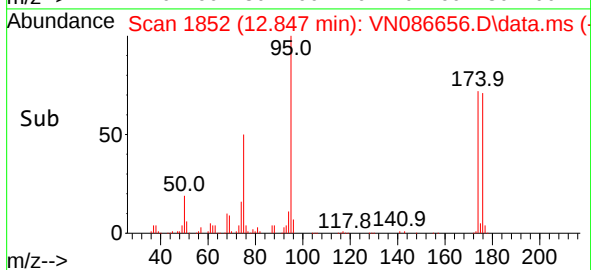
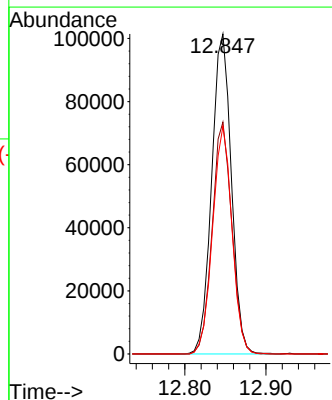
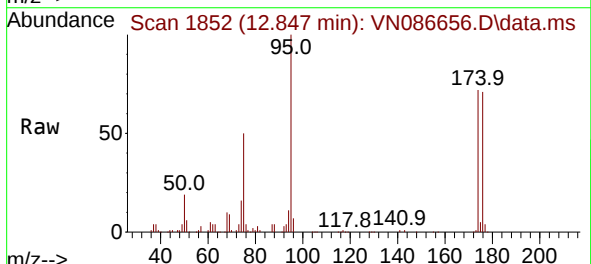
Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#01

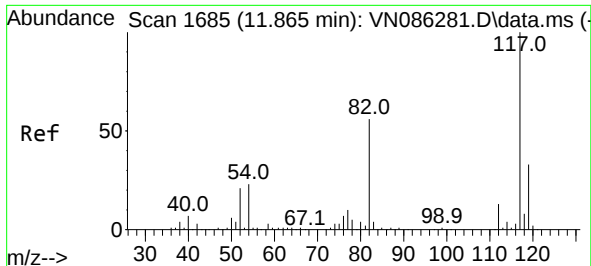
Tgt Ion: 43 Resp: 75404
Ion Ratio Lower Upper
43 100
58 16.0 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: 51.729 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086656.D
Acq: 15 May 2025 19:37

Tgt Ion: 95 Resp: 170334
Ion Ratio Lower Upper
95 100
174 72.5 0.0 133.4
176 70.3 0.0 129.2

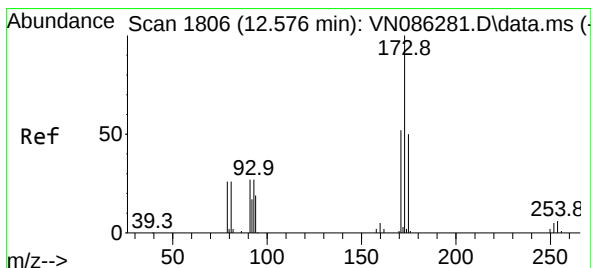
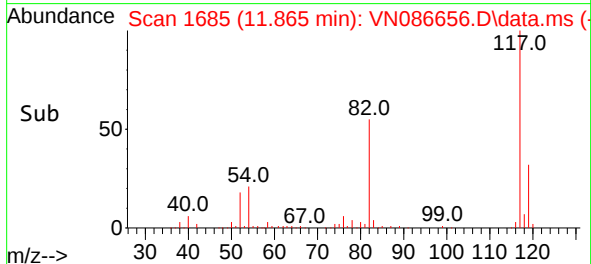
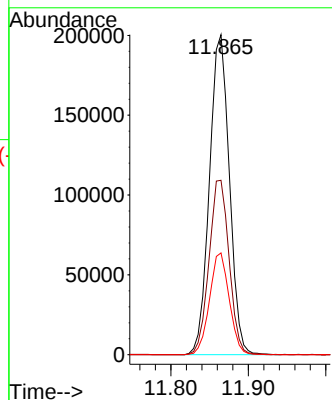
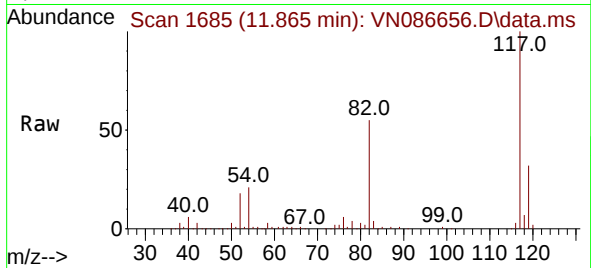




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086656.D
Acq: 15 May 2025 19:37

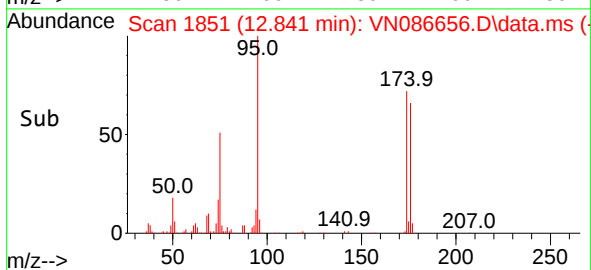
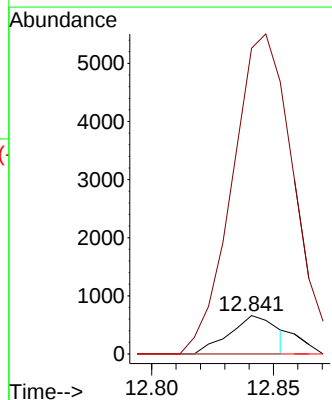
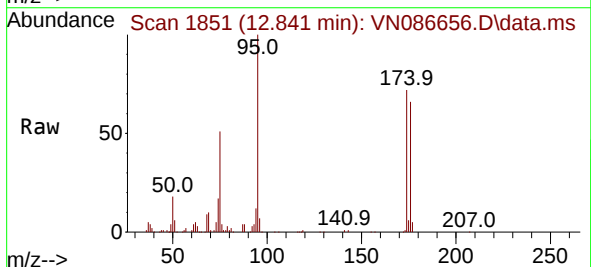
Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#01

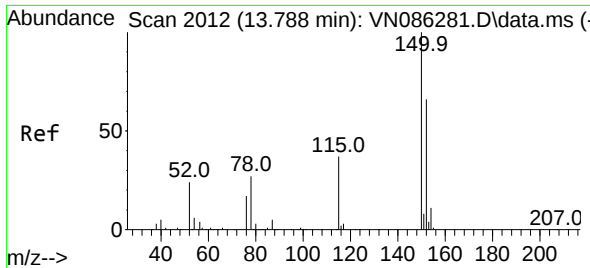
Tgt Ion:117 Resp: 357937
Ion Ratio Lower Upper
117 100
82 54.5 44.7 67.1
119 31.8 26.4 39.6



#71
Bromoform
Concen: 0.449 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN086656.D
Acq: 15 May 2025 19:37

Tgt Ion:173 Resp: 891
Ion Ratio Lower Upper
173 100
175 873.3 24.6 73.6#
254 0.0 0.0 0.0

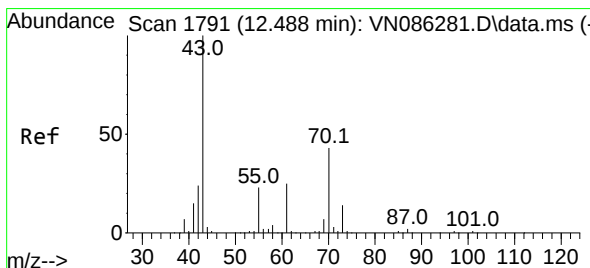
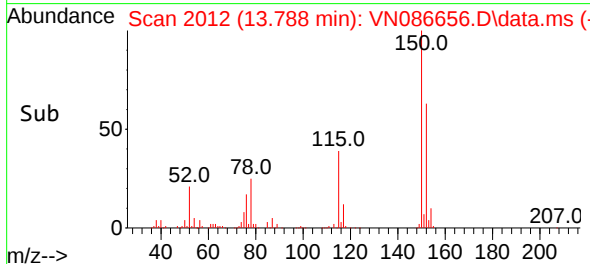
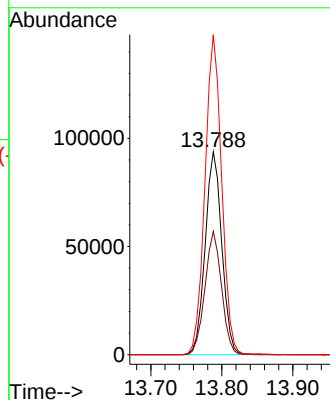
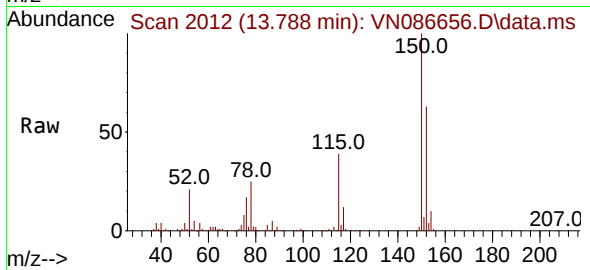




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN086656.D
Acq: 15 May 2025 19:37

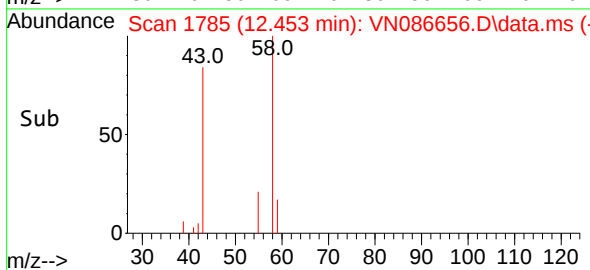
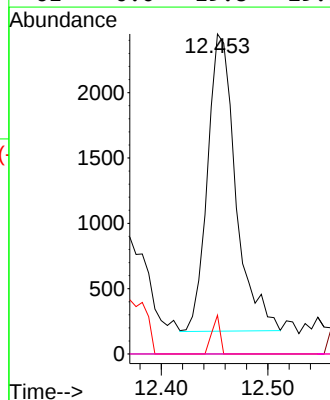
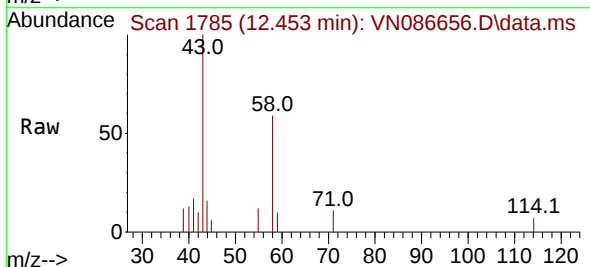
Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#01

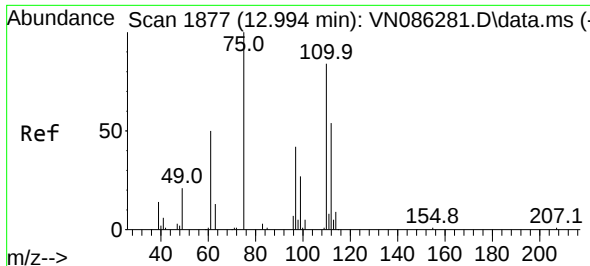
Tgt Ion:152 Resp: 152993
Ion Ratio Lower Upper
152 100
115 60.7 31.9 95.9
150 157.9 0.0 352.0



#74
N-ethyl acetate
Concen: 0.672 ug/l
RT: 12.453 min Scan# 1785
Delta R.T. -0.035 min
Lab File: VN086656.D
Acq: 15 May 2025 19:37

Tgt Ion: 43 Resp: 4189
Ion Ratio Lower Upper
43 100
70 0.0 35.0 52.4#
55 3.8 19.0 28.4#
61 0.0 19.8 29.8#

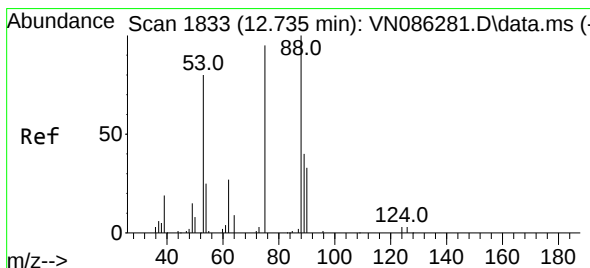
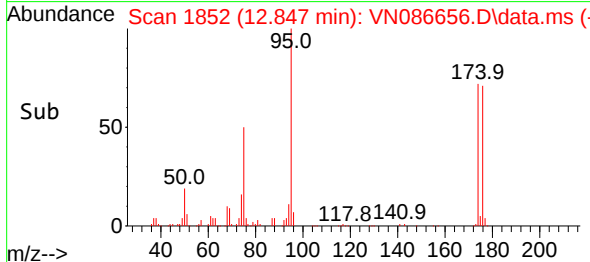
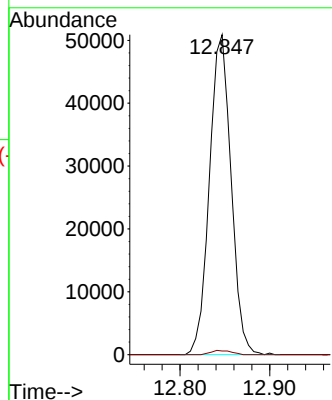
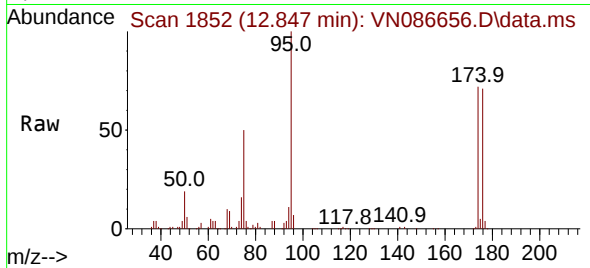




#76
1,2,3-Trichloropropane
Concen: 23.615 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086656.D
Acq: 15 May 2025 19:37

Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#01

Tgt Ion: 75 Resp: 85260
Ion Ratio Lower Upper
75 100
77 1.3 98.8 296.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.715 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086656.D
Acq: 15 May 2025 19:37

Tgt Ion: 75 Resp: 85260
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#

