

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
 Data File : VN086103.D
 Acq On : 25 Mar 2025 16:16
 Operator : JC\MD
 Sample : PB167276ZHE#08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167276ZHE#08

Quant Time: Mar 26 03:20:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

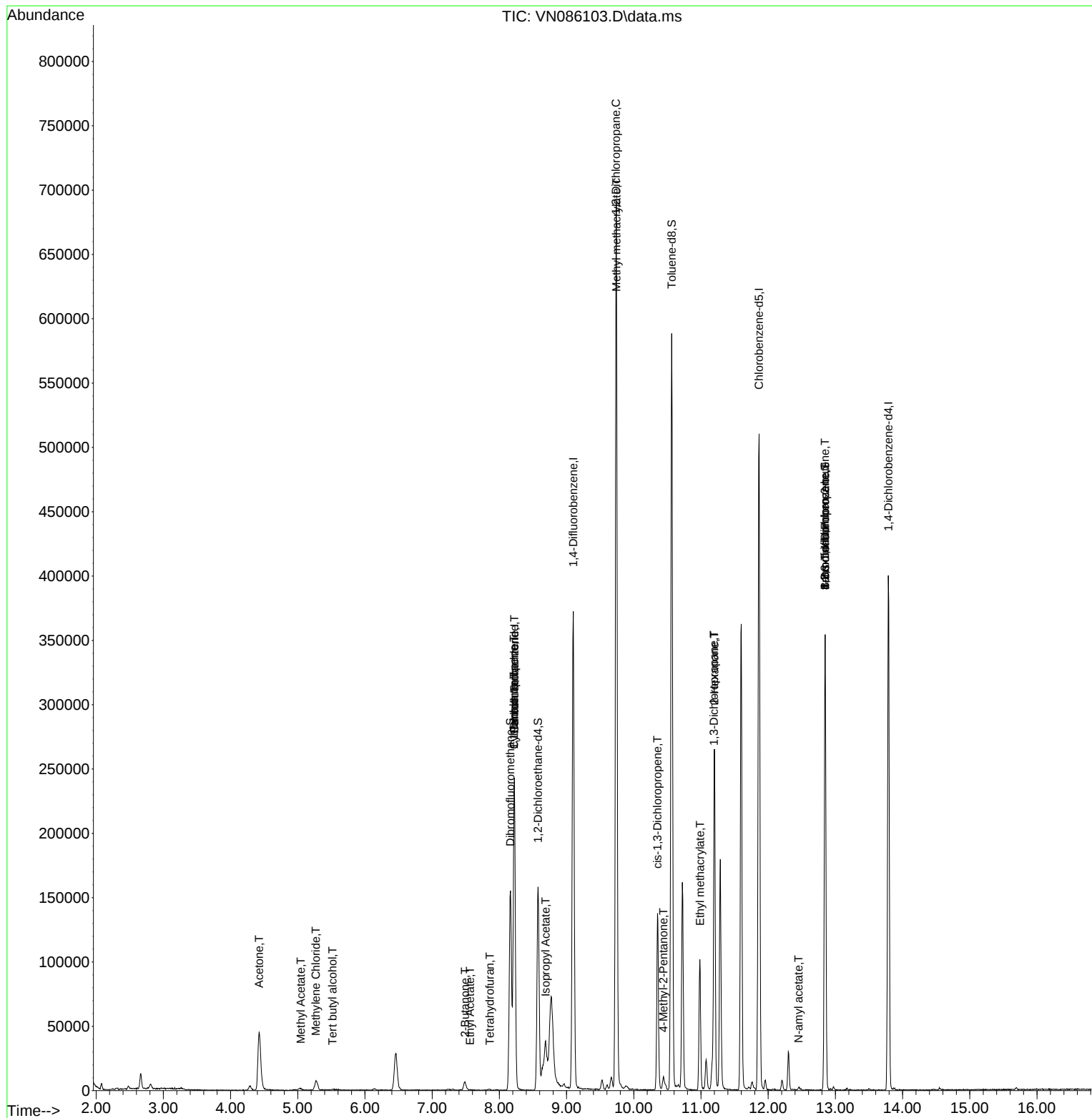
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	172019	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	328374	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	312962	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	113167	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	131417	55.791	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.580%			
35) Dibromofluoromethane	8.165	113	113715	49.614	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.220%			
50) Toluene-d8	10.565	98	414613	49.843	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.680%			
62) 4-Bromofluorobenzene	12.847	95	124814	42.073	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 84.140%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.518	59	852	2.555	ug/l #	73
16) Acetone	4.424	43	85184	118.371	ug/l	98
18) Methyl Acetate	5.047	43	3441	1.933	ug/l #	70
20) Methylene Chloride	5.271	84	6502	3.088	ug/l #	96
25) 2-Butanone	7.488	43	11305	10.887	ug/l	89
29) Tetrahydrofuran	7.859	42	494	0.771	ug/l #	43
31) Cyclohexane	8.218	56	3599	1.226	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	13638	4.519	ug/l #	50
37) Ethyl Acetate	7.565	43	681	0.267	ug/l #	64
38) Carbon Tetrachloride	8.224	117	18352	4.625	ug/l #	18
43) Isopropyl Acetate	8.688	43	50835	9.214	ug/l #	66
45) 1,2-Dichloropropane	9.735	63	886	0.411	ug/l #	44
48) Methyl methacrylate	9.741	41	60650	33.312	ug/l #	32
51) 4-Methyl-2-Pentanone	10.441	43	9190	3.777	ug/l #	79
54) cis-1,3-Dichloropropene	10.353	75	25817	7.114	ug/l #	72
56) Ethyl methacrylate	10.988	69	879	0.502	ug/l #	1
57) 1,3-Dichloropropane	11.194	76	2798	0.742	ug/l #	42
59) 2-Hexanone	11.200	43	49779	28.082	ug/l #	40
71) Bromoform	12.847	173	994	0.447	ug/l #	1
74) N-amyl acetate	12.453	43	2311	0.894	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	61317	24.202	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	61317	63.985	ug/l #	16

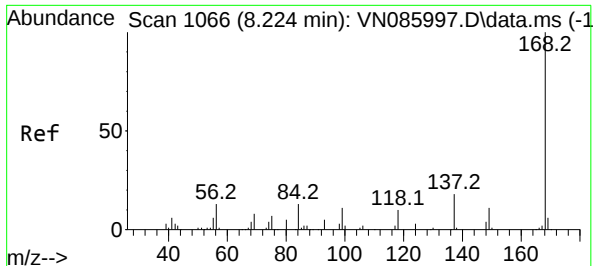
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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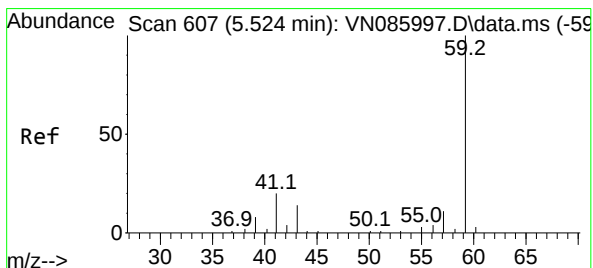
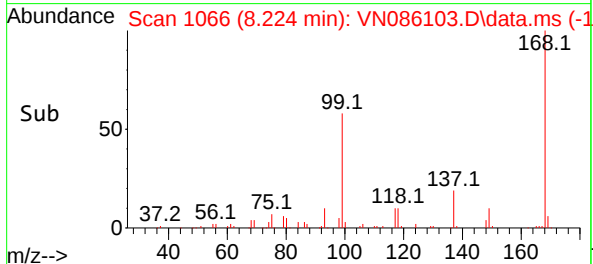
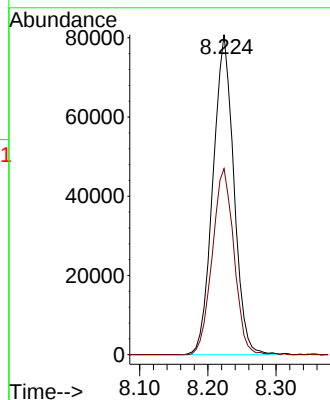
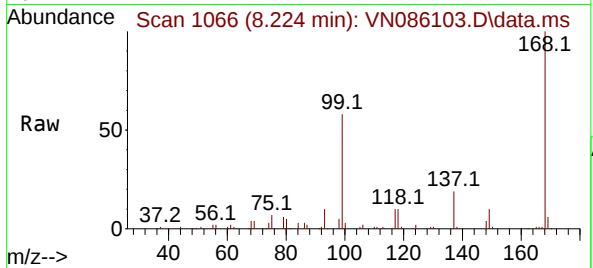




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086103.D
Acq: 25 Mar 2025 16:16

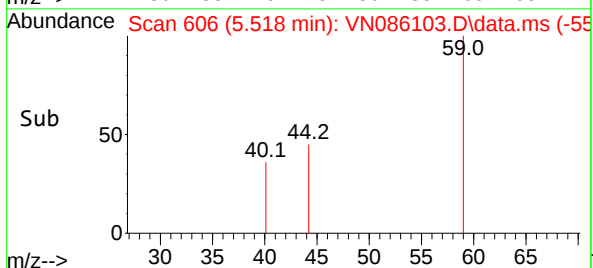
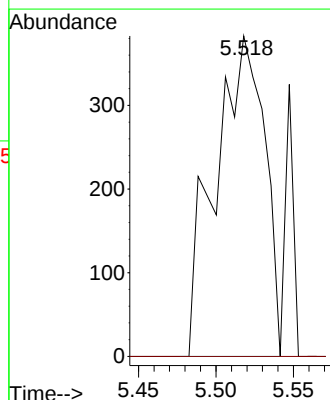
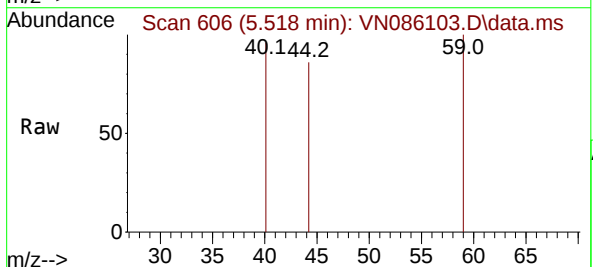
Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#08

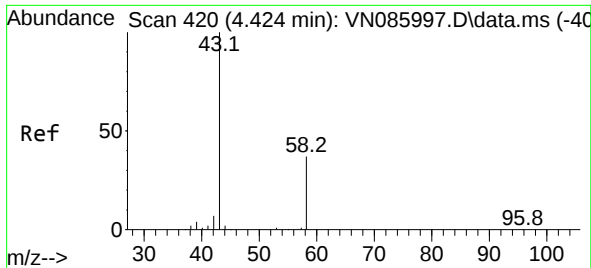
Tgt Ion:168 Resp: 172019
Ion Ratio Lower Upper
168 100
99 58.1 49.4 74.2



#11
Tert butyl alcohol
Concen: 2.555 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.006 min
Lab File: VN086103.D
Acq: 25 Mar 2025 16:16

Tgt Ion: 59 Resp: 852
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

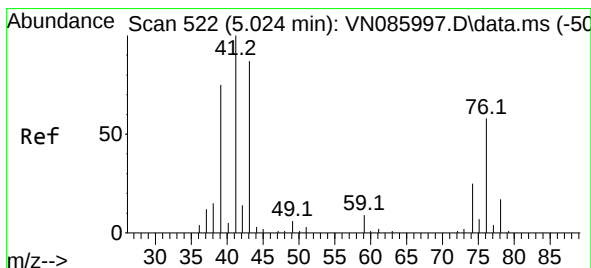
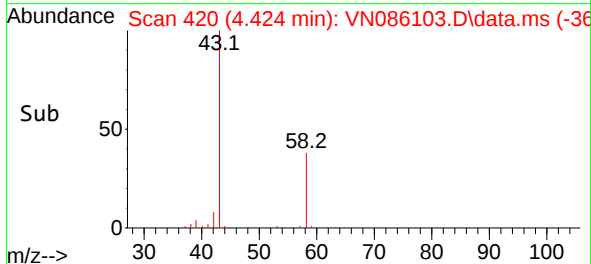
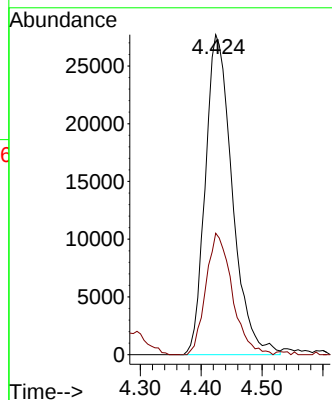
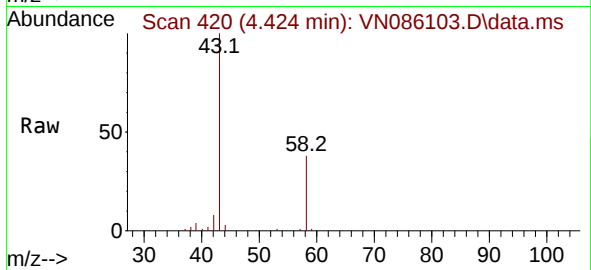




#16
Acetone
Concen: 118.371 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN086103.D
Acq: 25 Mar 2025 16:16

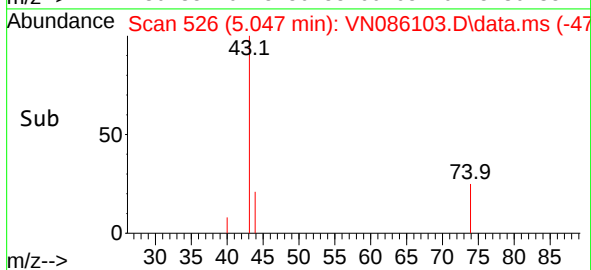
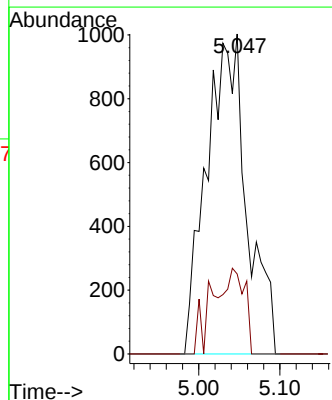
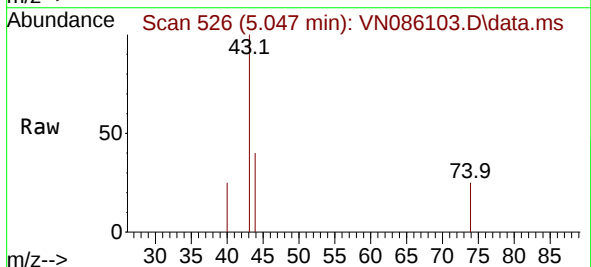
Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#08

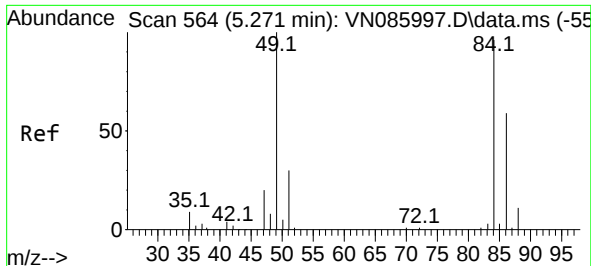
Tgt Ion: 43 Resp: 85184
Ion Ratio Lower Upper
43 100
58 37.9 29.4 44.2



#18
Methyl Acetate
Concen: 1.933 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.023 min
Lab File: VN086103.D
Acq: 25 Mar 2025 16:16

Tgt Ion: 43 Resp: 3441
Ion Ratio Lower Upper
43 100
74 13.6 23.9 35.9#

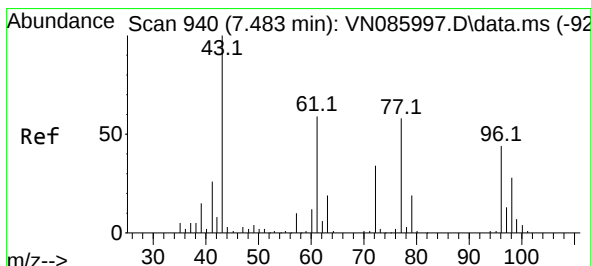
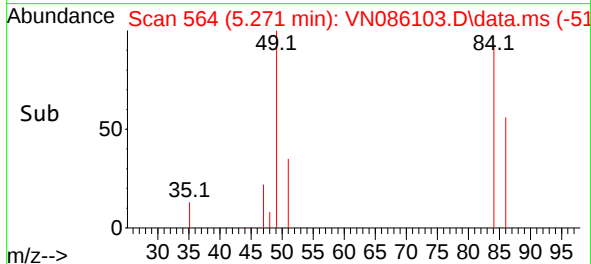
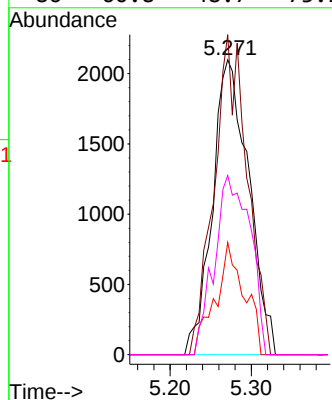
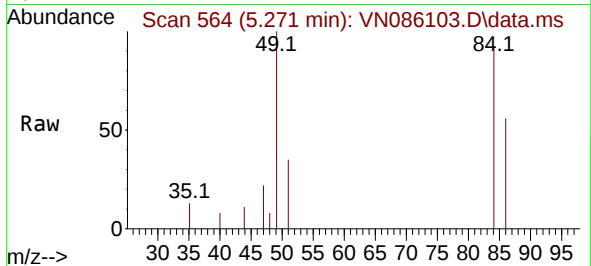




#20
Methylene Chloride
Concen: 3.088 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN086103.D
Acq: 25 Mar 2025 16:16

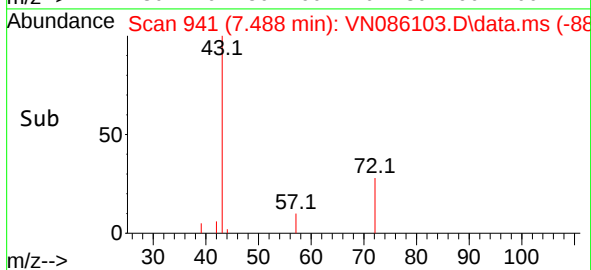
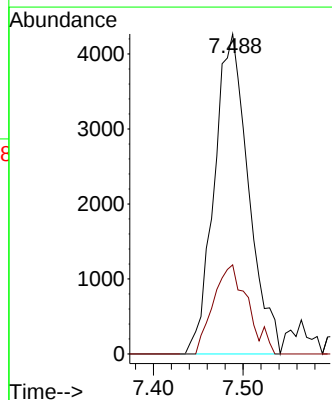
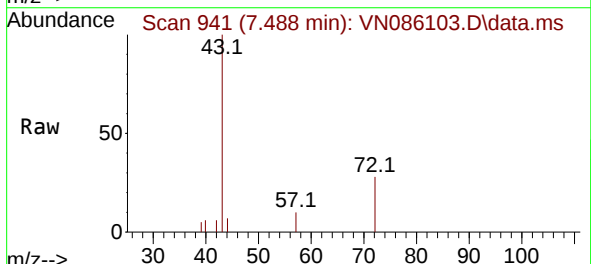
Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#08

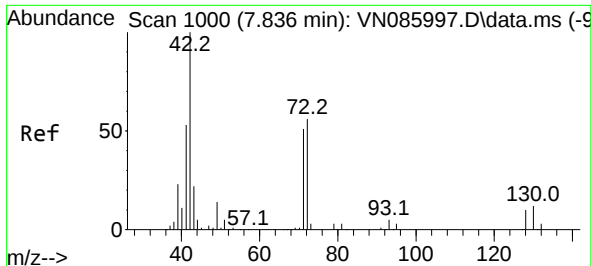
Tgt Ion: 84	Resp: 6502
Ion Ratio	Lower Upper
84 100	
49 108.5	83.3 124.9
51 38.0	24.8 37.2#
86 60.8	48.7 73.1



#25
2-Butanone
Concen: 10.887 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN086103.D
Acq: 25 Mar 2025 16:16

Tgt Ion: 43	Resp: 11305
Ion Ratio	Lower Upper
43 100	
72 27.8	27.4 41.0





#29

Tetrahydrofuran

Concen: 0.771 ug/l

RT: 7.859 min Scan# 1065

Delta R.T. 0.023 min

Lab File: VN086103.D

Acq: 25 Mar 2025 16:16

Instrument :

MSVOA_N

ClientSampleId :

PB167276ZHE#08

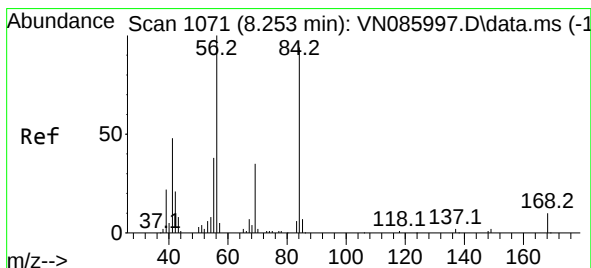
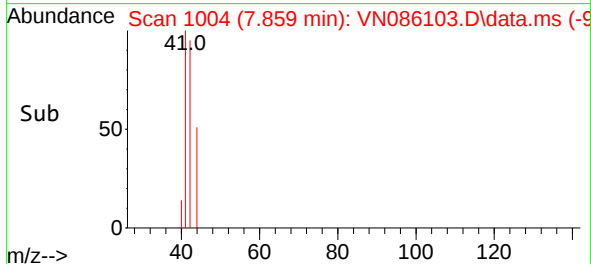
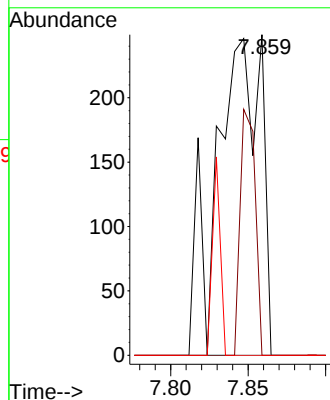
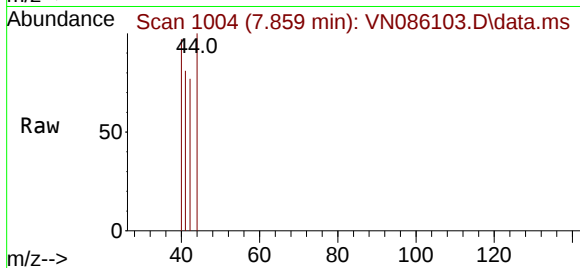
Tgt Ion: 42 Resp: 494

Ion Ratio Lower Upper

42 100

72 26.1 45.0 67.4#

71 0.0 41.9 62.9#



#31

Cyclohexane

Concen: 1.226 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.036 min

Lab File: VN086103.D

Acq: 25 Mar 2025 16:16

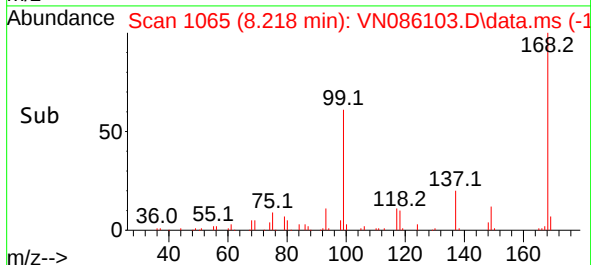
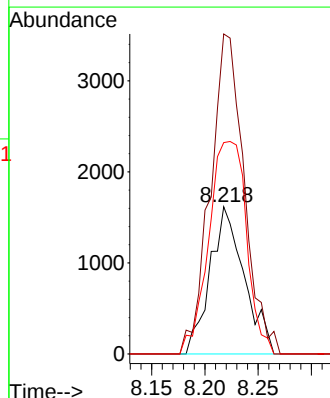
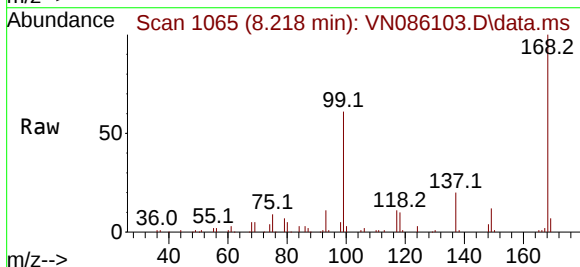
Tgt Ion: 56 Resp: 3599

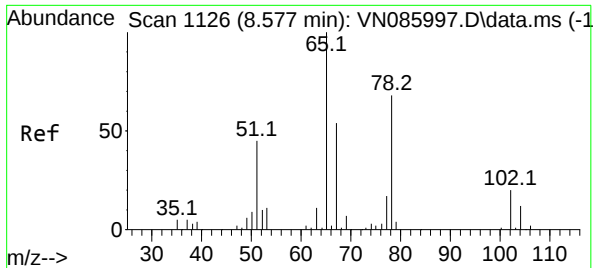
Ion Ratio Lower Upper

56 100

69 217.2 28.0 42.0#

84 143.4 75.0 112.6#

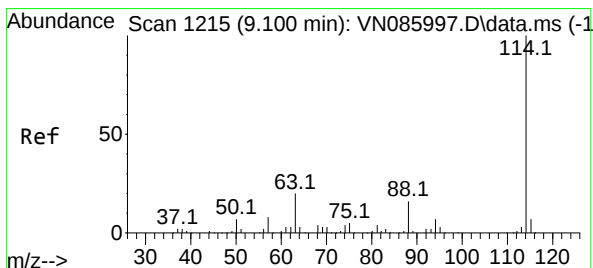
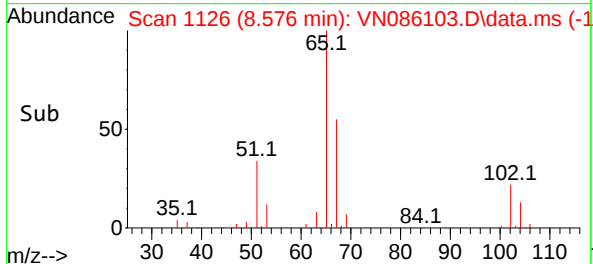
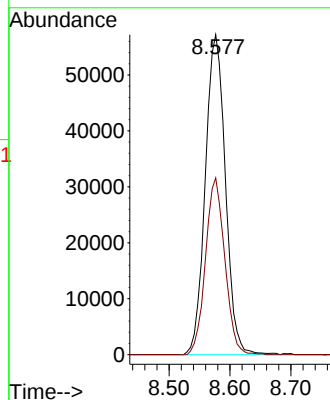
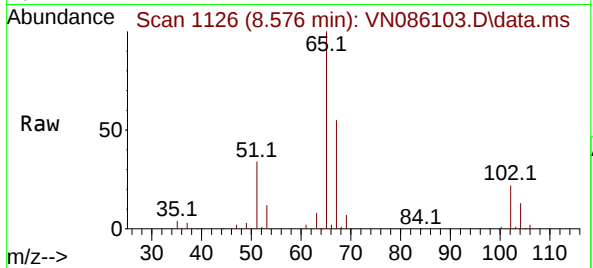




#33
 1,2-Dichloroethane-d4
 Concen: 55.791 ug/l
 RT: 8.576 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VN086103.D
 Acq: 25 Mar 2025 16:16

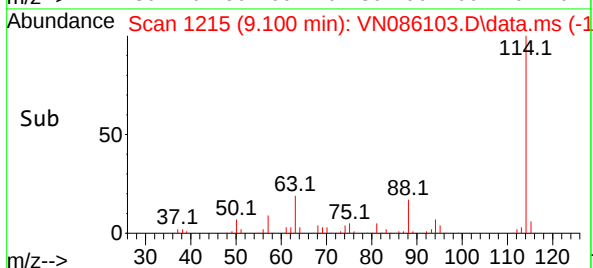
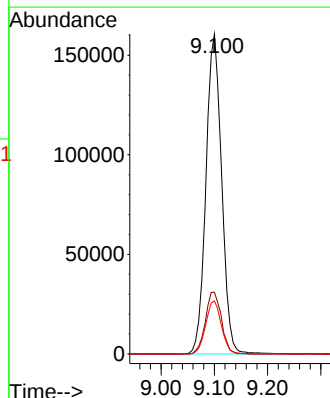
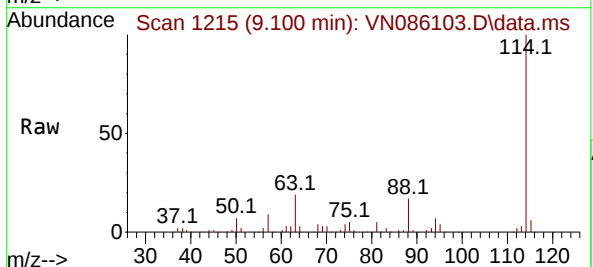
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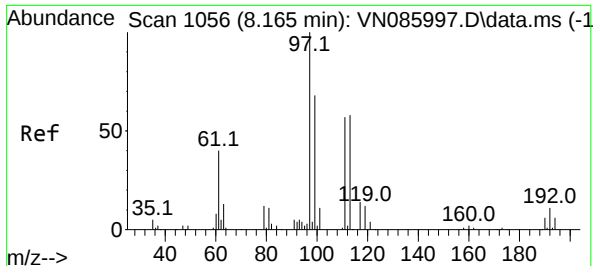
Tgt Ion: 65 Resp: 131417
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. -0.000 min
 Lab File: VN086103.D
 Acq: 25 Mar 2025 16:16

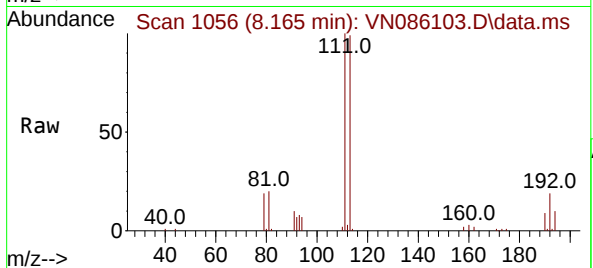
Tgt Ion: 114 Resp: 328374
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.6
 88 16.6 0.0 32.6



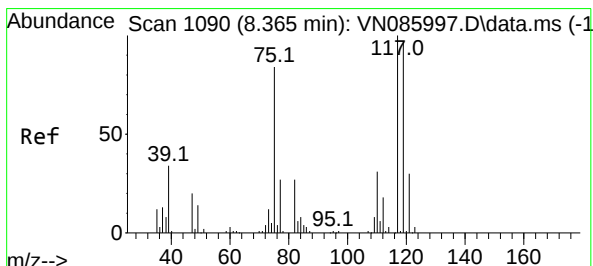
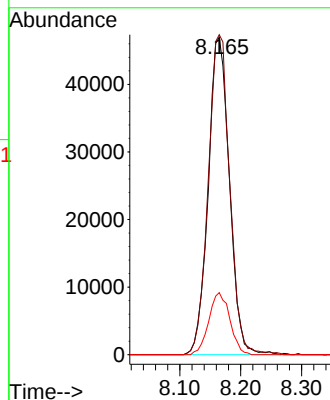
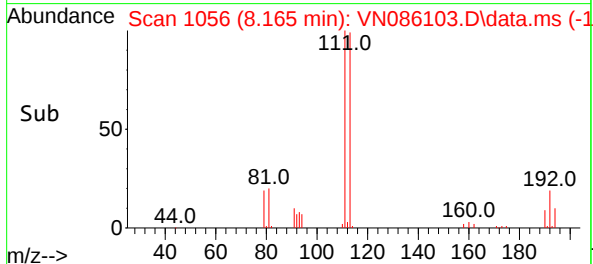


#35
Dibromofluoromethane
Concen: 49.614 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086103.D
Acq: 25 Mar 2025 16:16

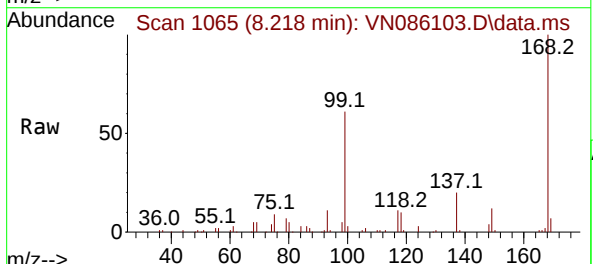
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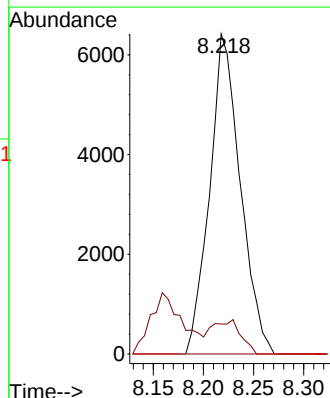
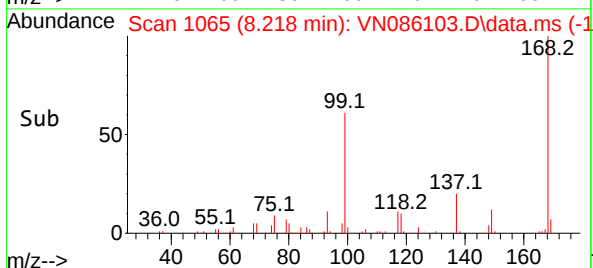
Tgt Ion:113 Resp: 113715
Ion Ratio Lower Upper
113 100
111 102.0 81.8 122.8
192 19.4 15.9 23.9

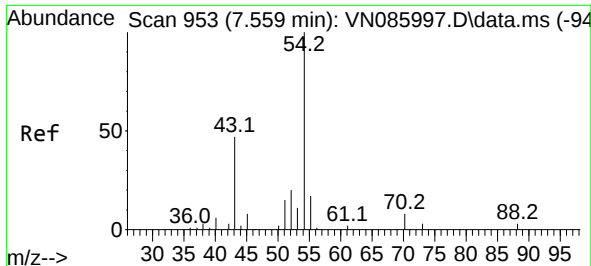


#36
1,1-Dichloropropene
Concen: 4.519 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN086103.D
Acq: 25 Mar 2025 16:16



Tgt Ion: 75 Resp: 13638
Ion Ratio Lower Upper
75 100
110 10.0 17.8 53.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.267 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN086103.D

Acq: 25 Mar 2025 16:16

Instrument :

MSVOA_N

ClientSampleId :

PB167276ZHE#08

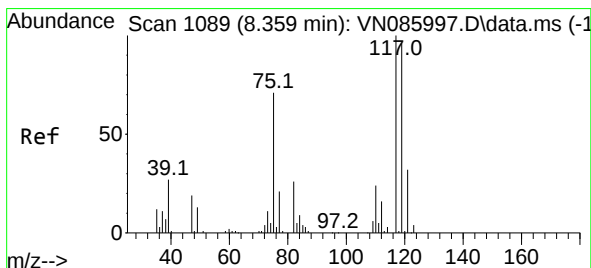
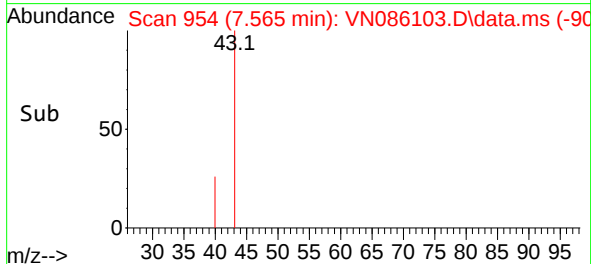
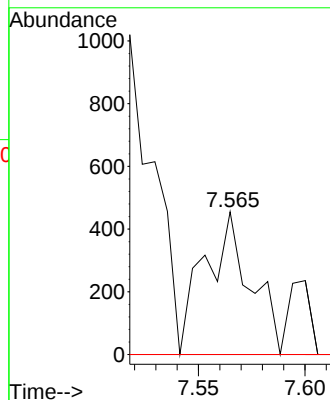
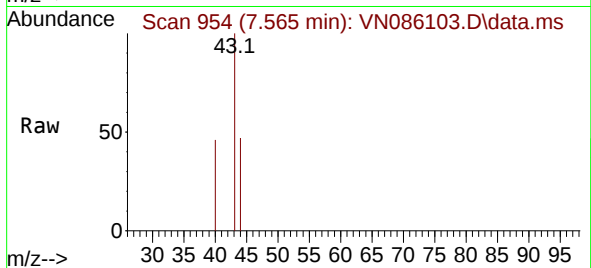
Tgt Ion: 43 Resp: 681

Ion Ratio Lower Upper

43 100

61 0.0 13.0 19.4#

70 0.0 11.0 16.6#



#38

Carbon Tetrachloride

Concen: 4.625 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.136 min

Lab File: VN086103.D

Acq: 25 Mar 2025 16:16

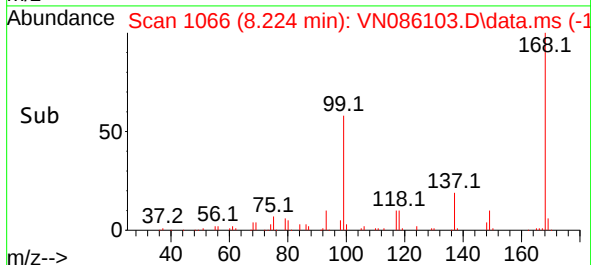
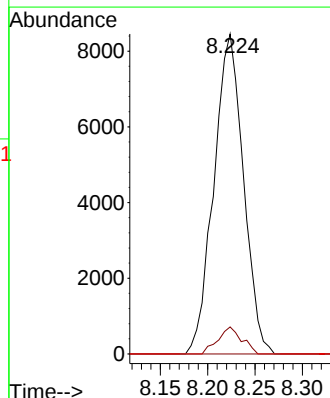
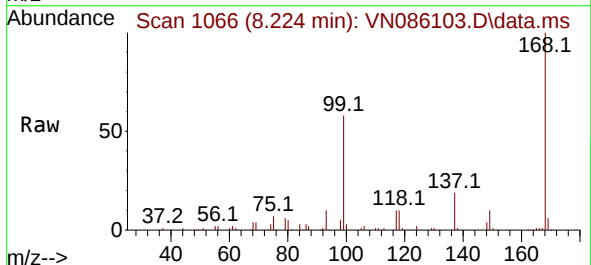
Tgt Ion: 117 Resp: 18352

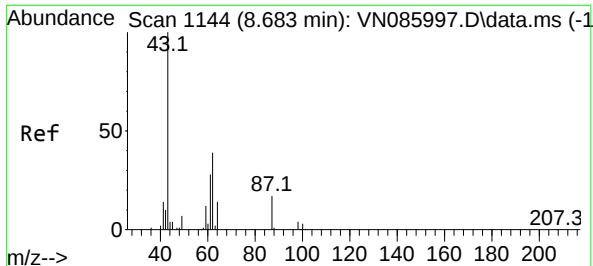
Ion Ratio Lower Upper

117 100

119 8.5 77.0 115.4#

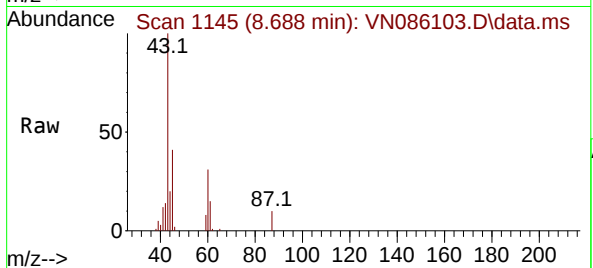
121 0.0 25.6 38.4#



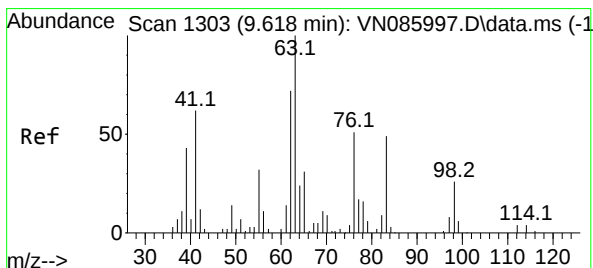
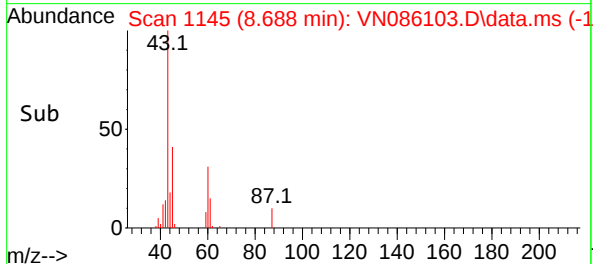
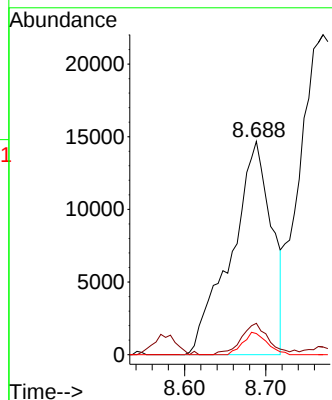


#43
Isopropyl Acetate
Concen: 9.214 ug/l
RT: 8.688 min Scan# 1144
Delta R.T. 0.006 min
Lab File: VN086103.D
Acq: 25 Mar 2025 16:16

Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#08

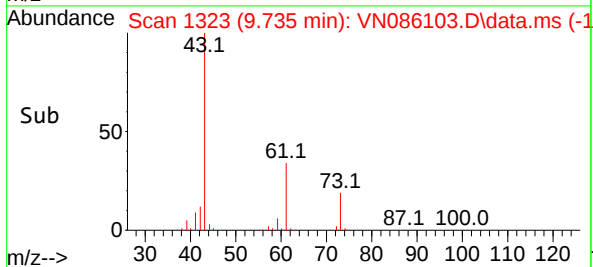
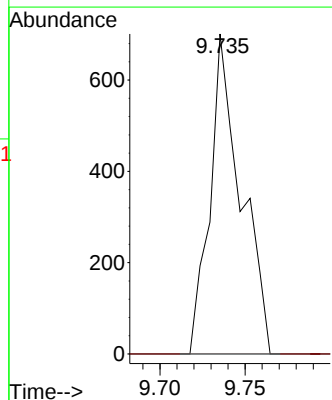
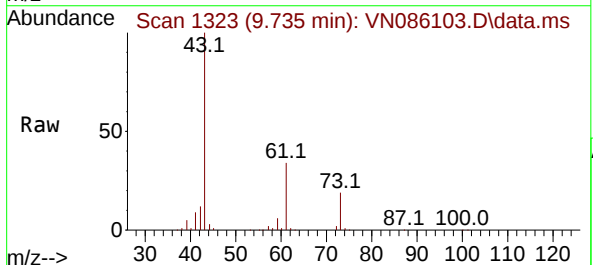


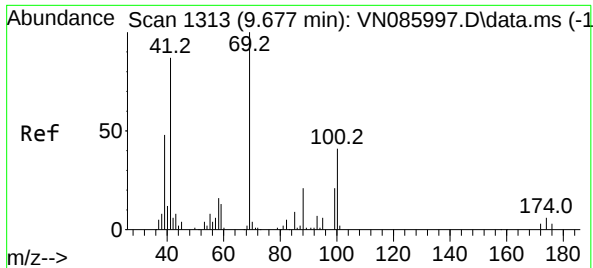
Tgt Ion: 43 Resp: 50835
Ion Ratio Lower Upper
43 100
61 9.8 25.0 37.6#
87 6.2 13.0 19.4#



#45
1,2-Dichloropropane
Concen: 0.411 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.117 min
Lab File: VN086103.D
Acq: 25 Mar 2025 16:16

Tgt Ion: 63 Resp: 886
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#

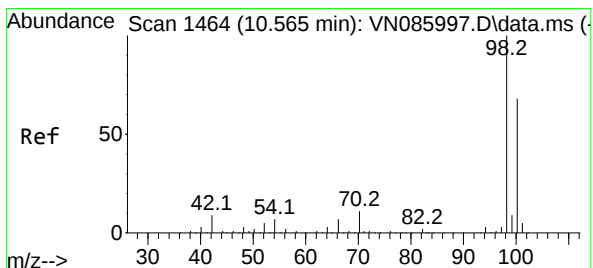
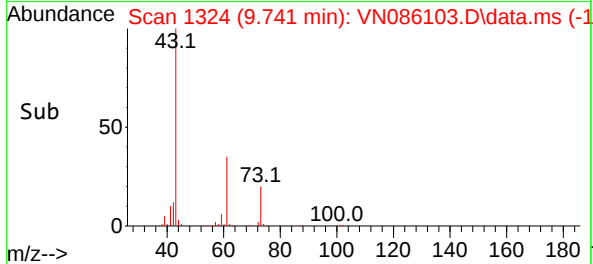
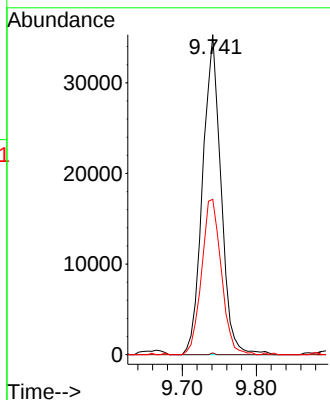
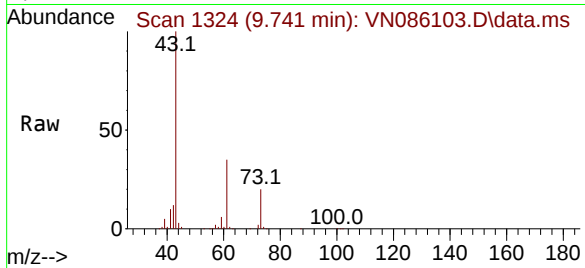




#48
Methyl methacrylate
Concen: 33.312 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.064 min
Lab File: VN086103.D
Acq: 25 Mar 2025 16:16

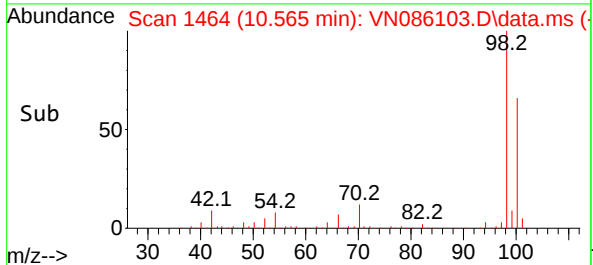
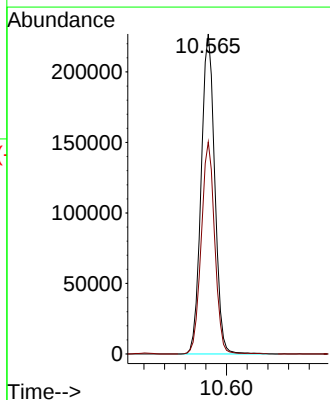
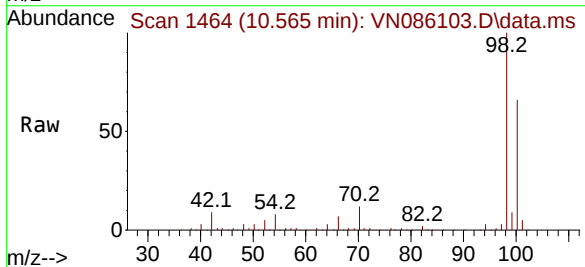
Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#08

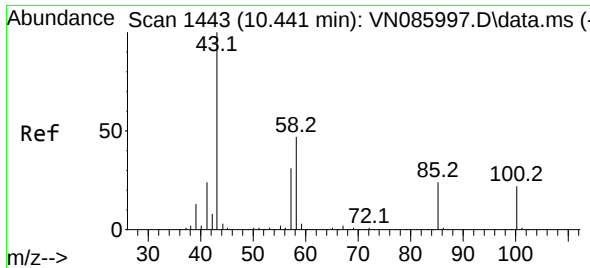
Tgt Ion: 41 Resp: 60650
Ion Ratio Lower Upper
41 100
69 0.1 83.1 124.7#
39 52.3 45.6 68.4



#50
Toluene-d8
Concen: 49.843 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086103.D
Acq: 25 Mar 2025 16:16

Tgt Ion: 98 Resp: 414613
Ion Ratio Lower Upper
98 100
100 65.6 53.1 79.7

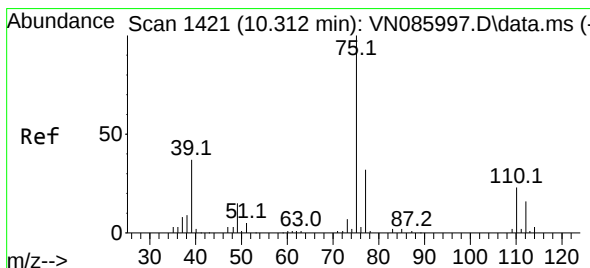
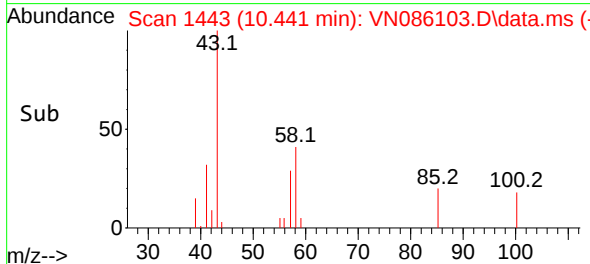
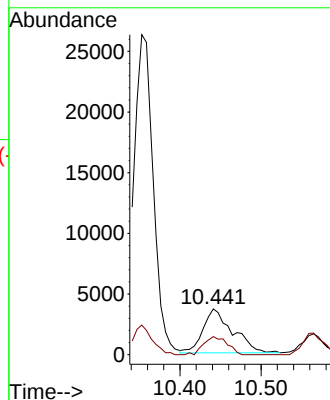
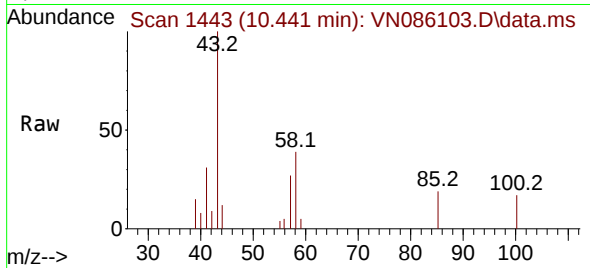




#51
4-Methyl-2-Pentanone
Concen: 3.777 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086103.D
Acq: 25 Mar 2025 16:16

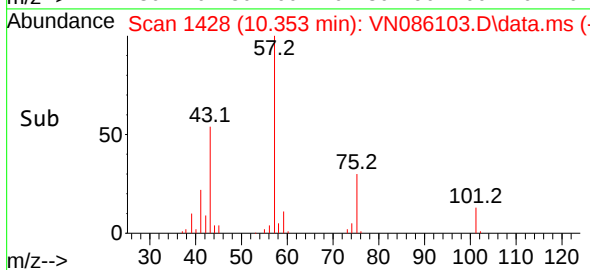
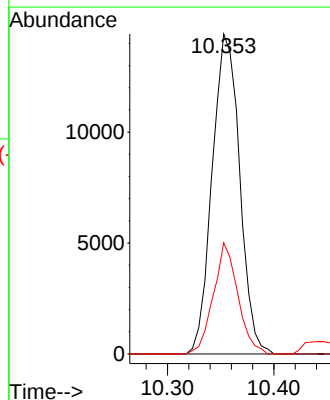
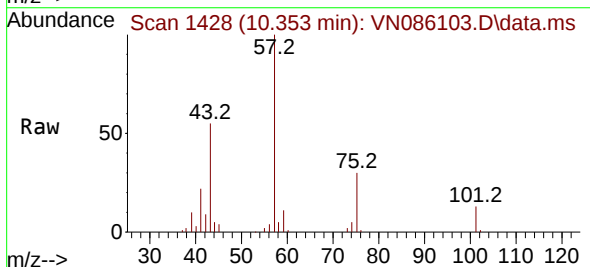
Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#08

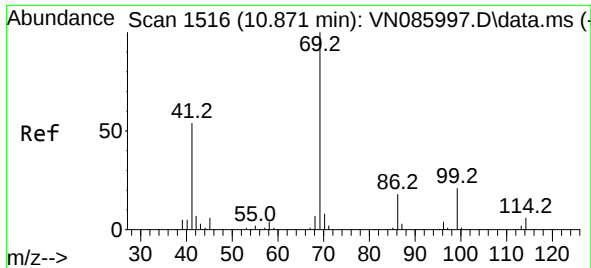
Tgt Ion: 43 Resp: 9190
Ion Ratio Lower Upper
43 100
58 32.8 37.4 56.0#



#54
cis-1,3-Dichloropropene
Concen: 7.114 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.041 min
Lab File: VN086103.D
Acq: 25 Mar 2025 16:16

Tgt Ion: 75 Resp: 25817
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 34.7 29.6 44.4

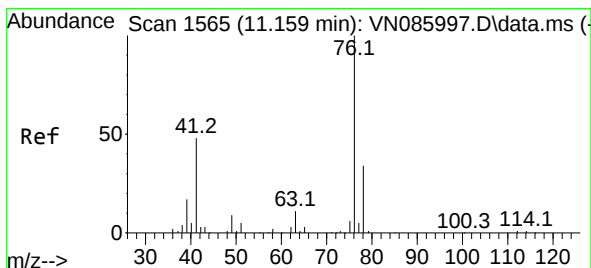
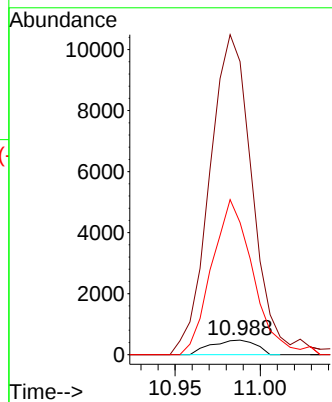
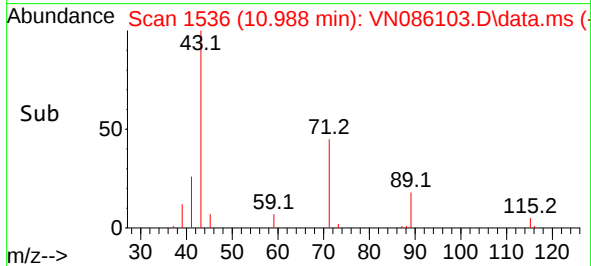
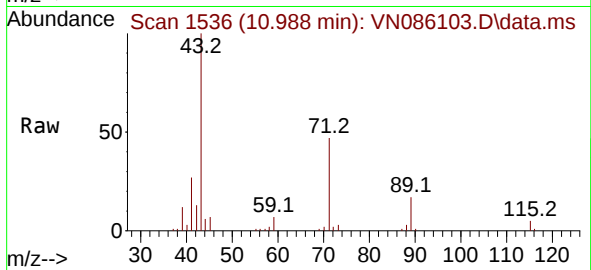




#56
Ethyl methacrylate
Concen: 0.502 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.117 min
Lab File: VN086103.D
Acq: 25 Mar 2025 16:16

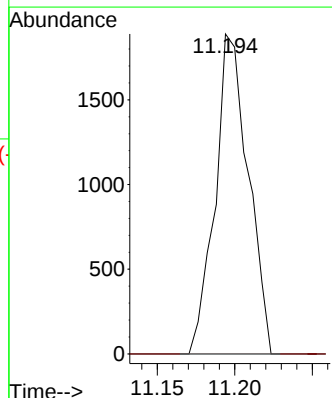
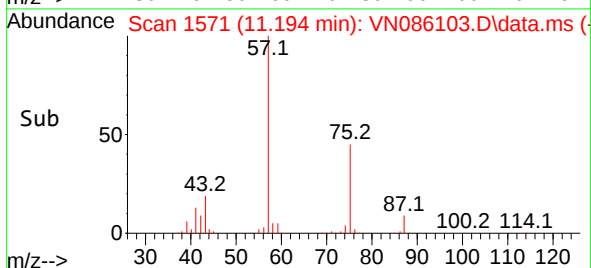
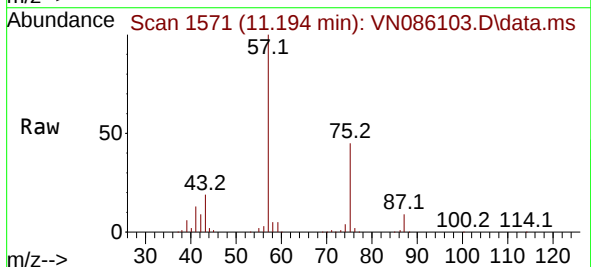
Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#08

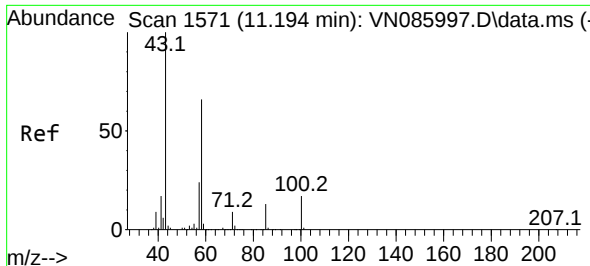
Tgt Ion: 69 Resp: 879
Ion Ratio Lower Upper
69 100
41 2092.4 41.6 62.4#
39 980.0 21.8 32.8#



#57
1,3-Dichloropropane
Concen: 0.742 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.035 min
Lab File: VN086103.D
Acq: 25 Mar 2025 16:16

Tgt Ion: 76 Resp: 2798
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

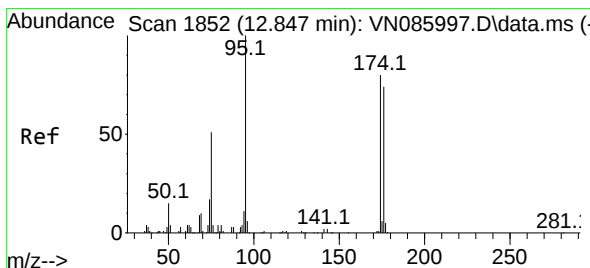
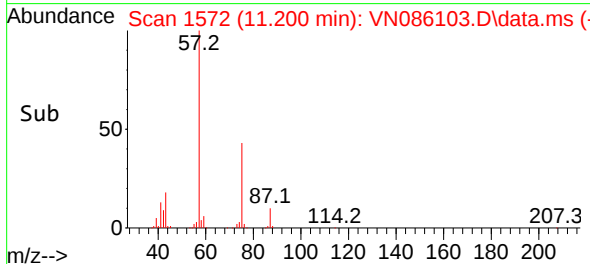
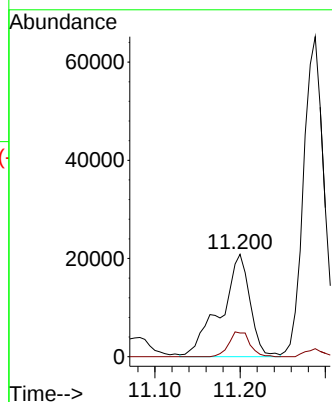
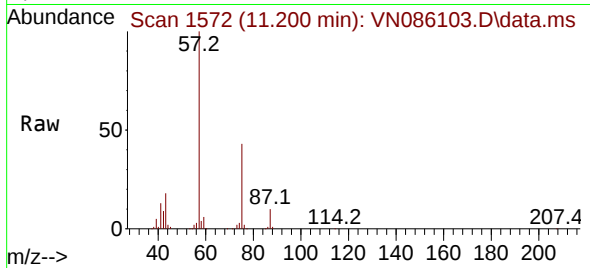




#59
2-Hexanone
Concen: 28.082 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086103.D
Acq: 25 Mar 2025 16:16

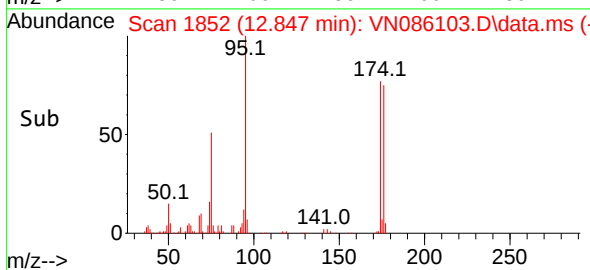
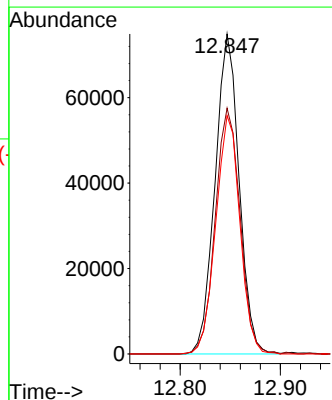
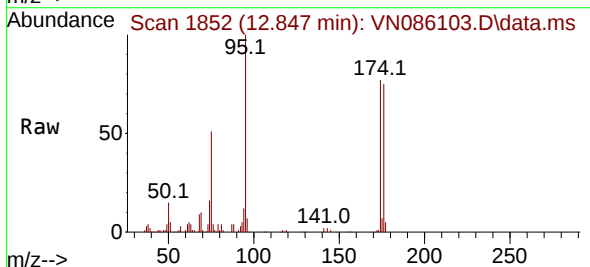
Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#08

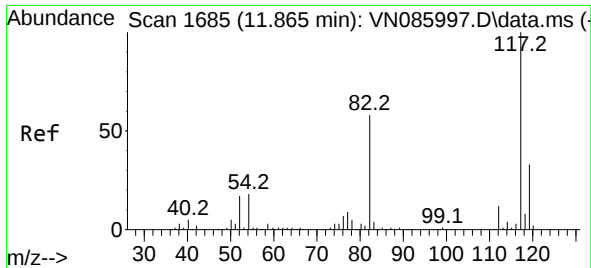
Tgt Ion: 43 Resp: 49779
Ion Ratio Lower Upper
43 100
58 17.3 32.4 97.2#



#62
4-Bromofluorobenzene
Concen: 42.073 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086103.D
Acq: 25 Mar 2025 16:16

Tgt Ion: 95 Resp: 124814
Ion Ratio Lower Upper
95 100
174 79.4 0.0 156.8
176 74.8 0.0 152.2

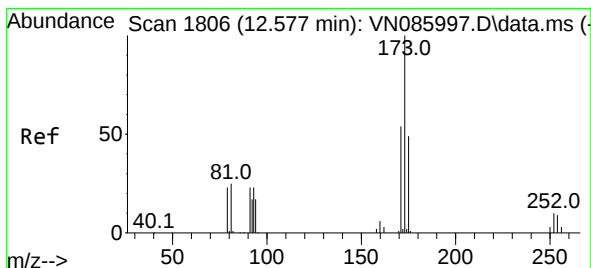
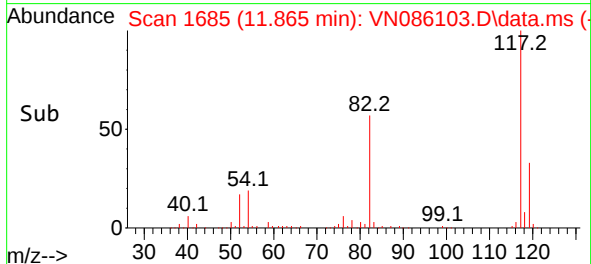
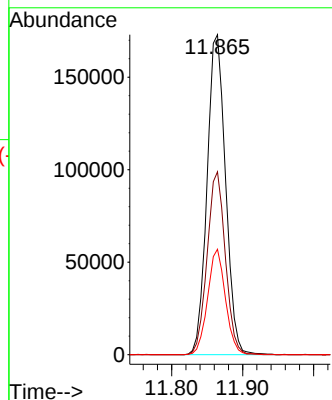
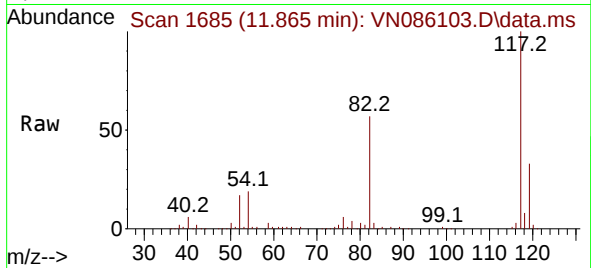




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086103.D
Acq: 25 Mar 2025 16:16

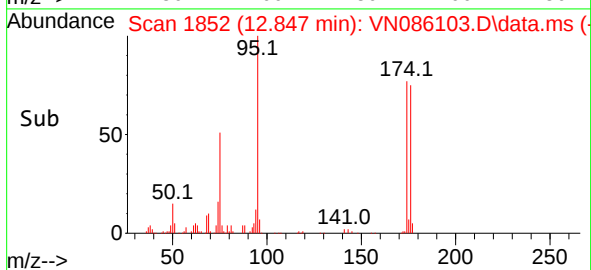
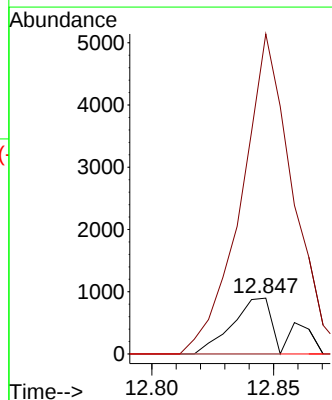
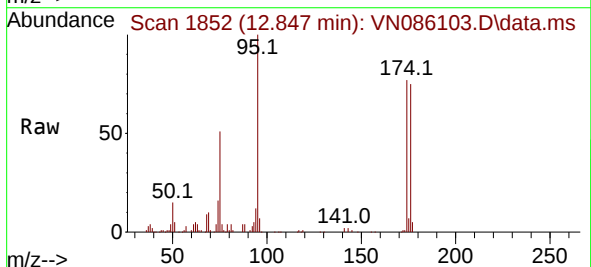
Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#08

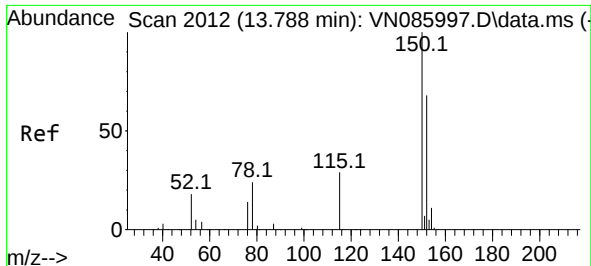
Tgt Ion:117 Resp: 312962
Ion Ratio Lower Upper
117 100
82 57.2 46.7 70.1
119 32.9 26.5 39.7



#71
Bromoform
Concen: 0.447 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.270 min
Lab File: VN086103.D
Acq: 25 Mar 2025 16:16

Tgt Ion:173 Resp: 994
Ion Ratio Lower Upper
173 100
175 595.6 24.3 73.0#
254 0.0 0.0 0.0

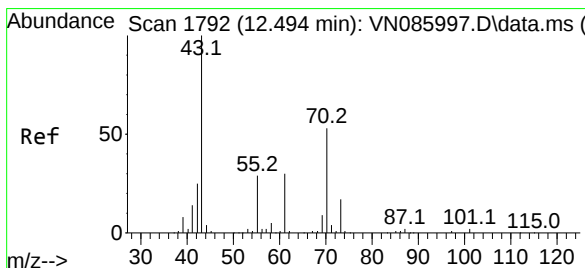
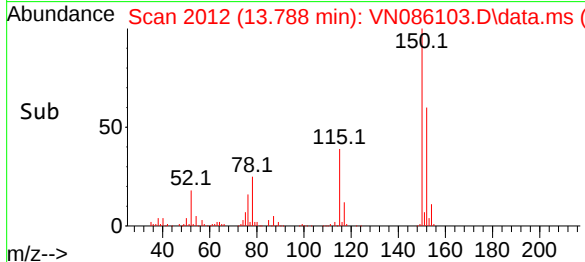
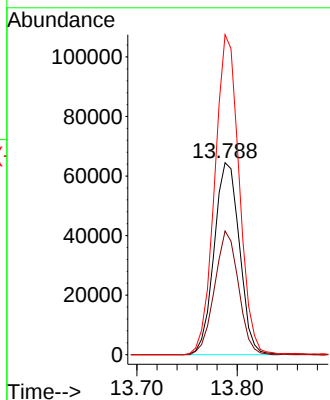
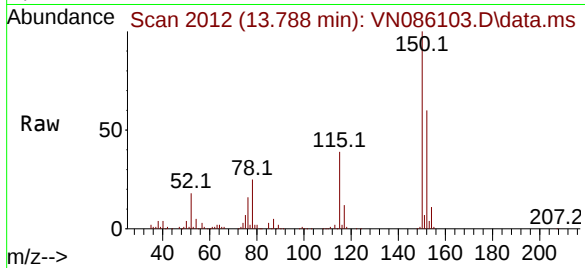




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086103.D
Acq: 25 Mar 2025 16:16

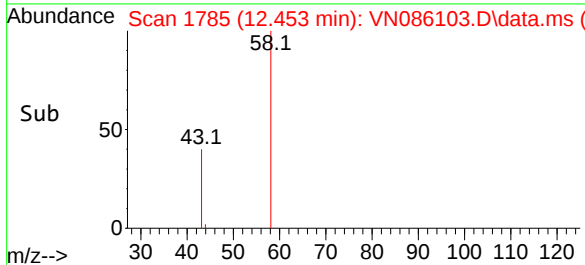
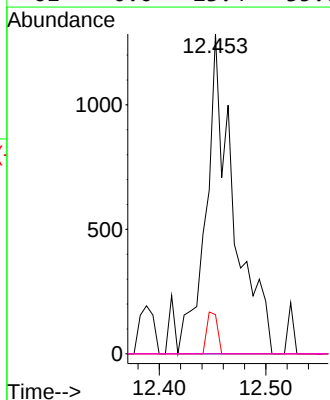
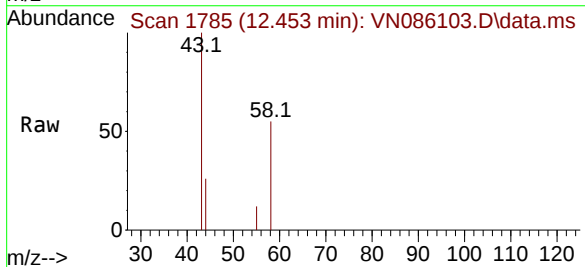
Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#08

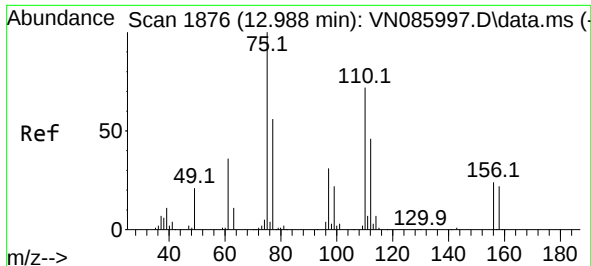
Tgt Ion:152 Resp: 113167
Ion Ratio Lower Upper
152 100
115 60.8 31.1 93.2
150 161.2 0.0 359.6



#74
N-ethyl acetate
Concen: 0.894 ug/l
RT: 12.453 min Scan# 1785
Delta R.T. -0.041 min
Lab File: VN086103.D
Acq: 25 Mar 2025 16:16

Tgt Ion: 43 Resp: 2311
Ion Ratio Lower Upper
43 100
70 0.0 43.0 64.4#
55 5.0 23.8 35.8#
61 0.0 23.4 35.0#

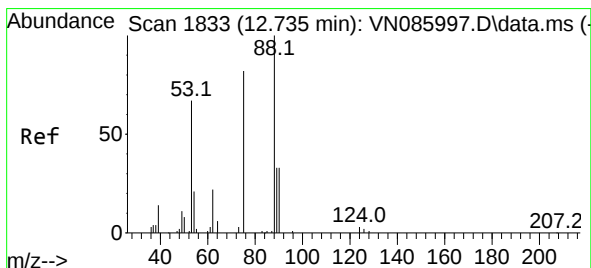
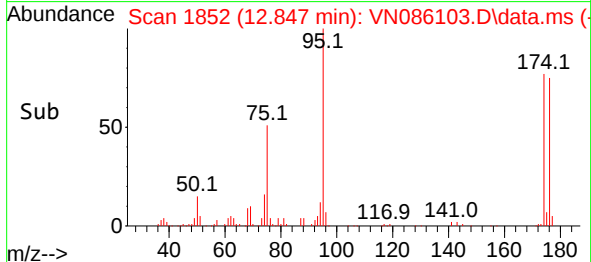
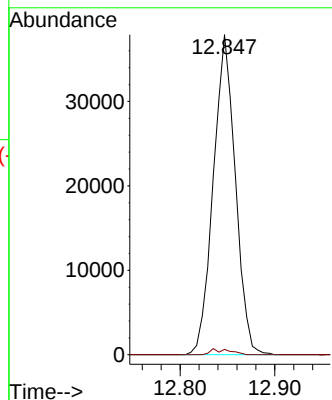
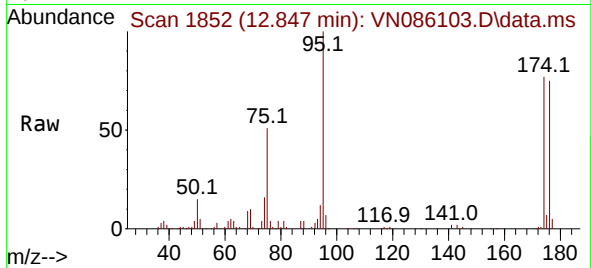




#76
1,2,3-Trichloropropane
Concen: 24.202 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086103.D
Acq: 25 Mar 2025 16:16

Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#08

Tgt Ion: 75 Resp: 61317
Ion Ratio Lower Upper
75 100
77 1.6 83.7 251.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.985 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086103.D
Acq: 25 Mar 2025 16:16

Tgt Ion: 75 Resp: 61317
Ion Ratio Lower Upper
75 100
53 0.3 66.0 99.0#
89 0.0 36.9 55.3#

