

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050825\
 Data File : VN086550.D
 Acq On : 08 May 2025 17:01
 Operator : JC\MD
 Sample : PB167895ZHE#08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167895ZHE#08

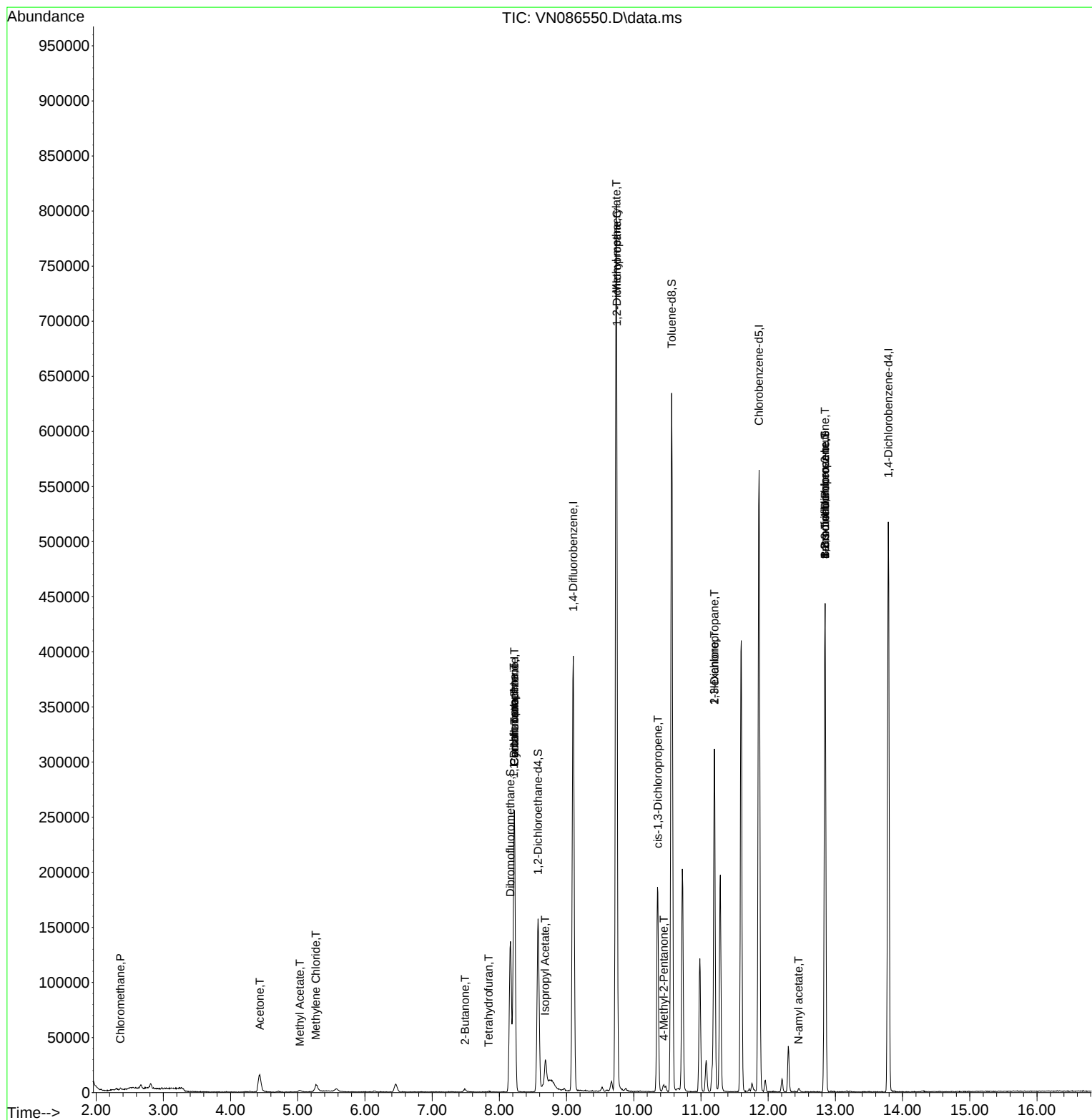
Quant Time: May 09 01:55:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	191921	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	355838	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	338389	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	143123	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	131500	47.251	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.500%
35) Dibromofluoromethane	8.165	113	100367	60.774	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	121.540%
50) Toluene-d8	10.565	98	449375	50.913	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.820%
62) 4-Bromofluorobenzene	12.847	95	158082	49.104	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	98.200%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	908	0.275	ug/l	98
16) Acetone	4.436	43	31754	27.932	ug/l	98
18) Methyl Acetate	5.030	43	3158	0.945	ug/l #	74
20) Methylene Chloride	5.271	84	4843	1.882	ug/l #	82
25) 2-Butanone	7.488	43	5164	2.981	ug/l #	88
29) Tetrahydrofuran	7.841	42	607	0.524	ug/l #	32
31) Cyclohexane	8.224	56	4078	0.904	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	14826	4.495	ug/l #	50
38) Carbon Tetrachloride	8.224	117	19185	6.107	ug/l #	15
43) Isopropyl Acetate	8.682	43	41362	4.859	ug/l #	78
45) 1,2-Dichloropropane	9.747	63	1050	0.406	ug/l #	43
48) Methyl methacrylate	9.741	41	72771	23.862	ug/l #	43
51) 4-Methyl-2-Pentanone	10.447	43	4489	1.262	ug/l	95
54) cis-1,3-Dichloropropene	10.359	75	35708	8.181	ug/l #	59
57) 1,3-Dichloropropane	11.200	76	3344	0.794	ug/l #	43
59) 2-Hexanone	11.200	43	59025	22.378	ug/l #	43
71) Bromoform	12.847	173	903	0.481	ug/l #	1
74) N-amyl acetate	12.453	43	2895	0.497	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	81113	24.016	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	81113	57.677	ug/l #	10

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

Quant Time: May 09 01:55:07 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

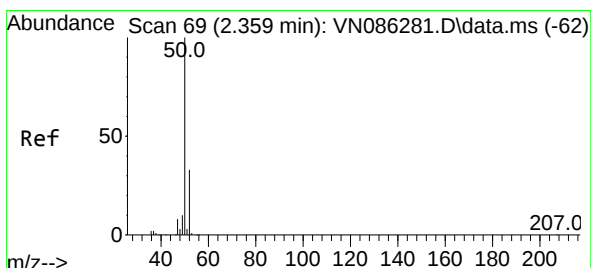
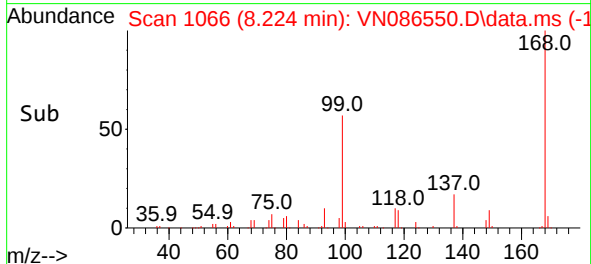
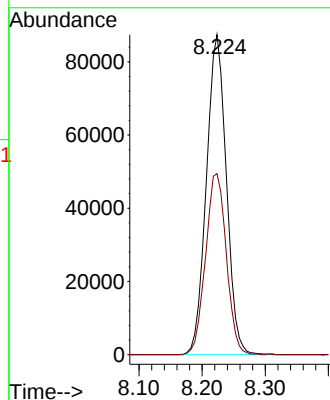
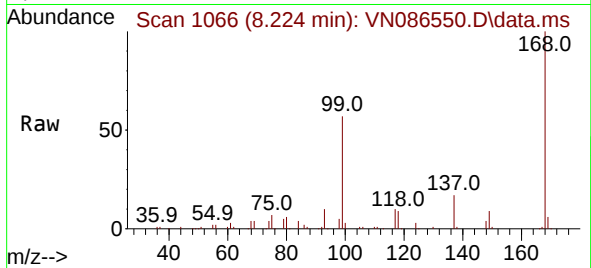




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN086550.D
Acq: 08 May 2025 17:01

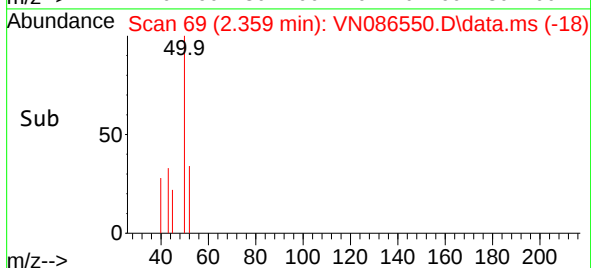
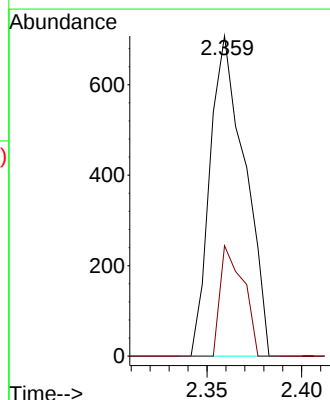
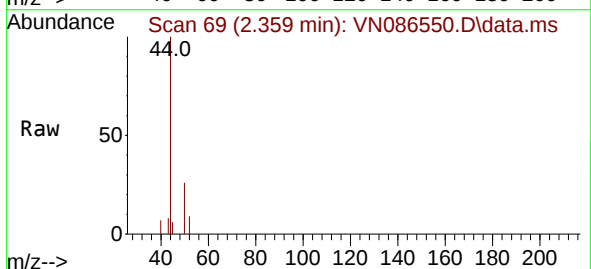
Instrument :
MSVOA_N
ClientSampleId :
PB167895ZHE#08

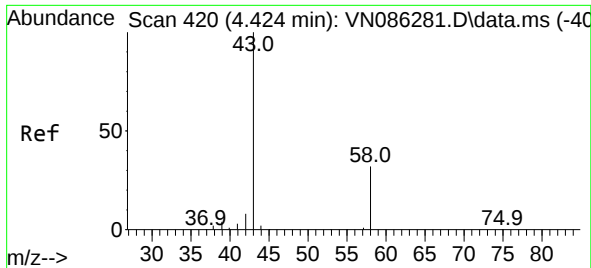
Tgt Ion:168 Resp: 191921
Ion Ratio Lower Upper
168 100
99 56.6 52.5 78.7



#3
Chloromethane
Concen: 0.275 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086550.D
Acq: 08 May 2025 17:01

Tgt Ion: 50 Resp: 908
Ion Ratio Lower Upper
50 100
52 34.5 26.5 39.7

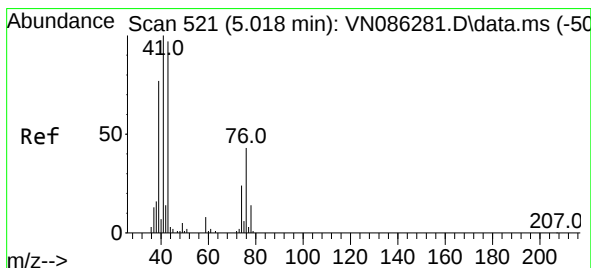
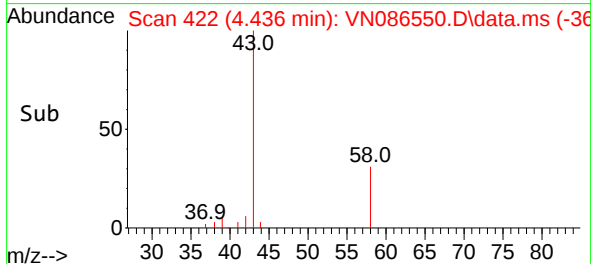
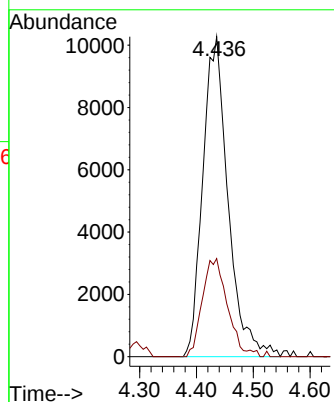
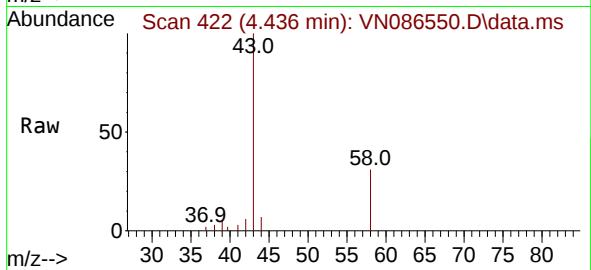




#16
Acetone
Concen: 27.932 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN086550.D
Acq: 08 May 2025 17:01

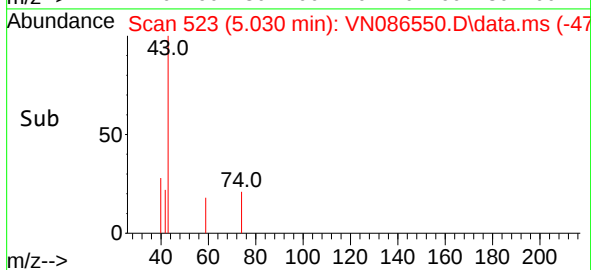
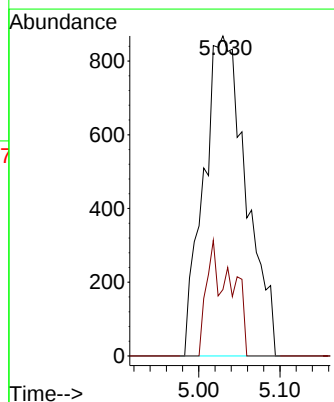
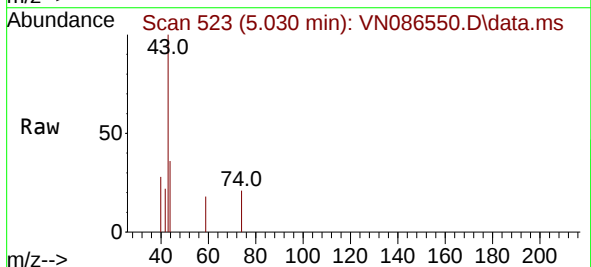
Instrument :
MSVOA_N
ClientSampleId :
PB167895ZHE#08

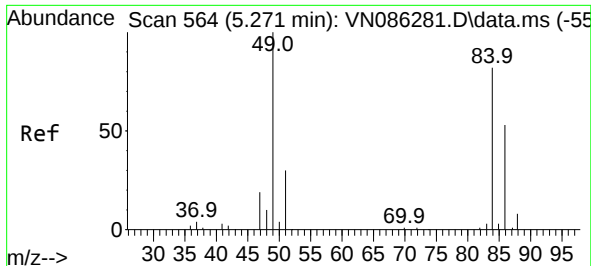
Tgt Ion: 43 Resp: 31754
Ion Ratio Lower Upper
43 100
58 30.6 25.3 37.9



#18
Methyl Acetate
Concen: 0.945 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN086550.D
Acq: 08 May 2025 17:01

Tgt Ion: 43 Resp: 3158
Ion Ratio Lower Upper
43 100
74 11.6 19.8 29.6#

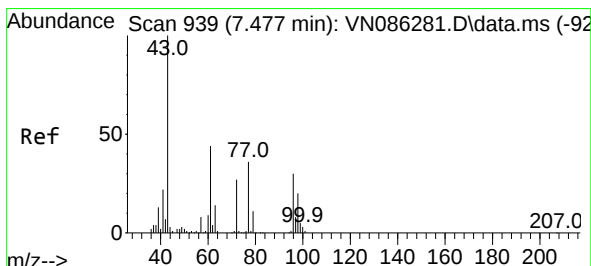
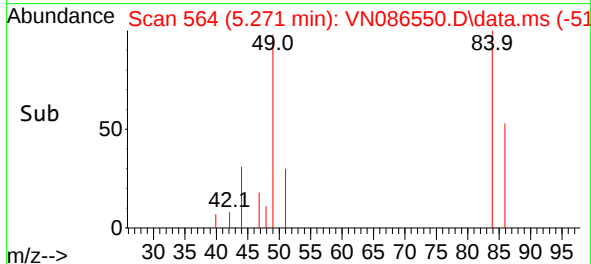
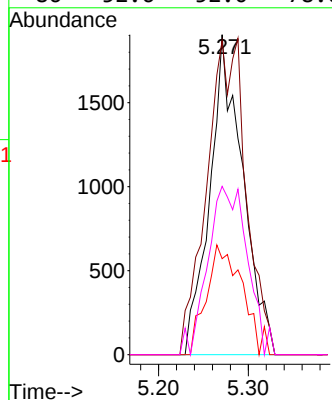
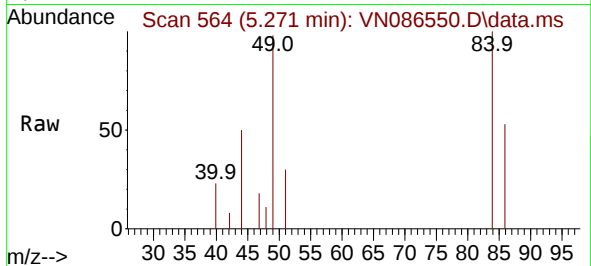




#20
Methylene Chloride
Concen: 1.882 ug/l
RT: 5.271 min Scan# 501
Delta R.T. -0.000 min
Lab File: VN086550.D
Acq: 08 May 2025 17:01

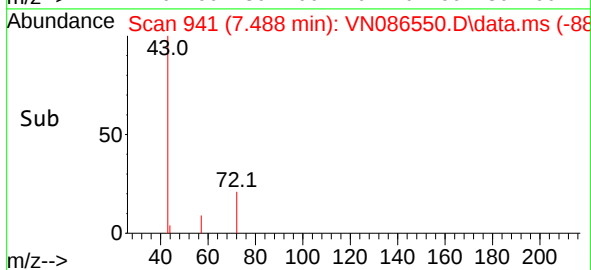
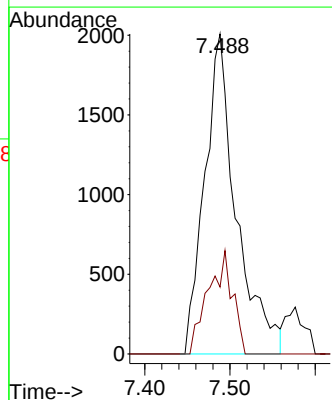
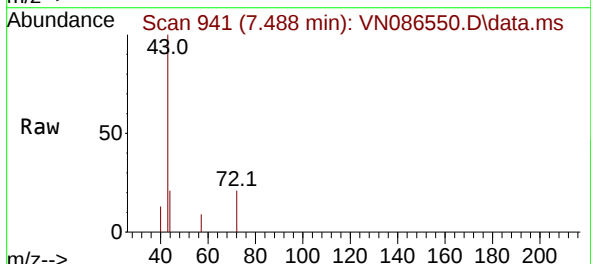
Instrument :
MSVOA_N
ClientSampleId :
PB167895ZHE#08

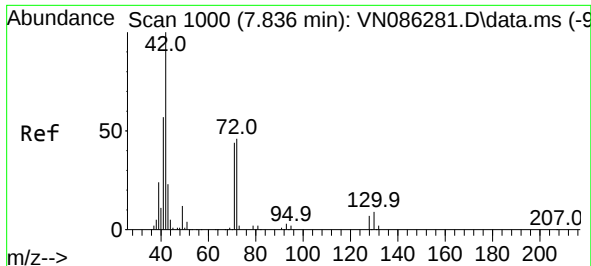
Tgt Ion: 84	Resp: 4843
Ion Ratio	Lower Upper
84 100	
49 98.1	98.2 147.2#
51 30.0	29.8 44.6
86 52.6	52.0 78.0



#25
2-Butanone
Concen: 2.981 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN086550.D
Acq: 08 May 2025 17:01

Tgt Ion: 43	Resp: 5164
Ion Ratio	Lower Upper
43 100	
72 20.9	21.7 32.5#





#29

Tetrahydrofuran

Concen: 0.524 ug/l

RT: 7.841 min Scan# 1066

Delta R.T. 0.006 min

Lab File: VN086550.D

Acq: 08 May 2025 17:01

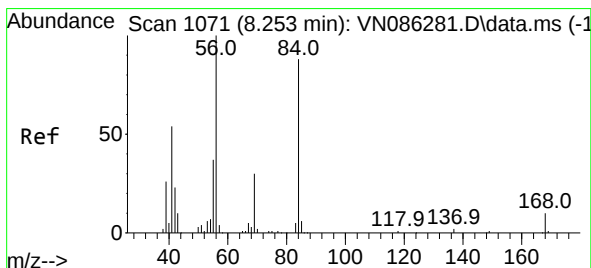
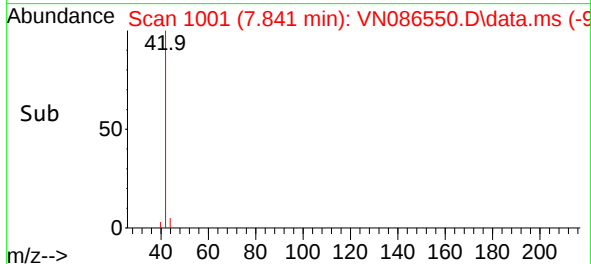
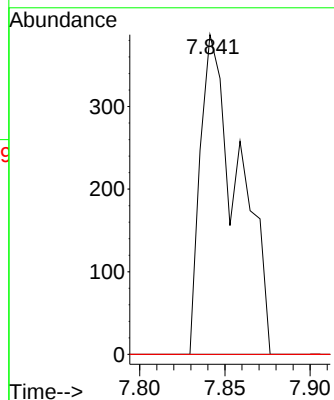
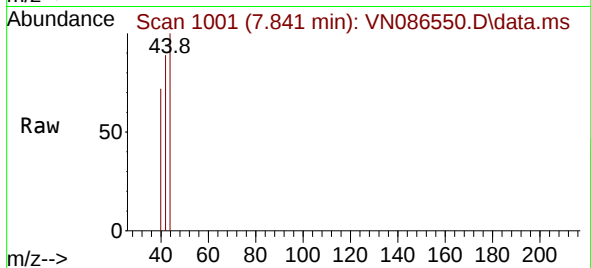
Instrument :

MSVOA_N

ClientSampleId :

PB167895ZHE#08

Tgt Ion:	42	Resp:	607
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.2	54.4#
71	0.0	34.0	51.0#



#31

Cyclohexane

Concen: 0.904 ug/l

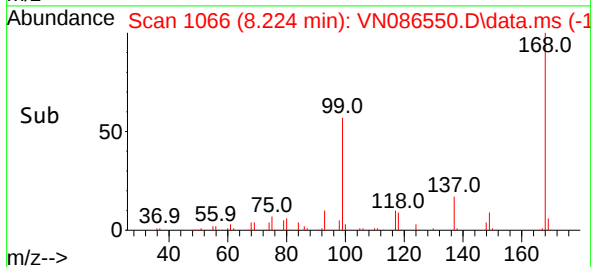
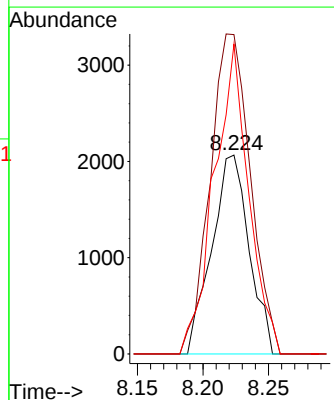
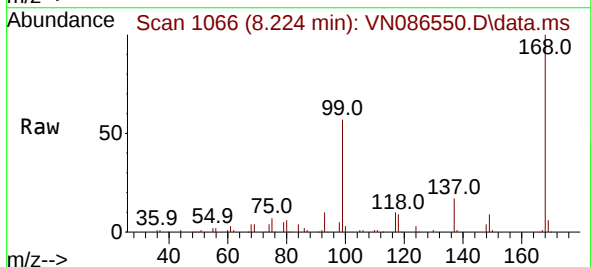
RT: 8.224 min Scan# 1066

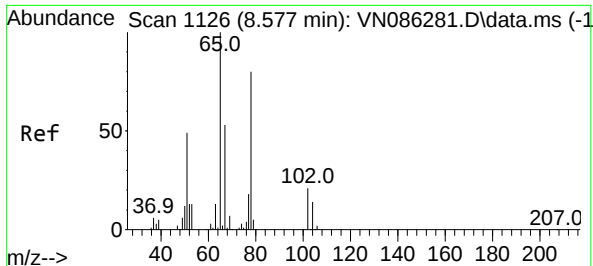
Delta R.T. -0.030 min

Lab File: VN086550.D

Acq: 08 May 2025 17:01

Tgt Ion:	56	Resp:	4078
Ion	Ratio	Lower	Upper
56	100		
69	160.6	24.2	36.2#
84	155.8	70.3	105.5#





#33

1,2-Dichloroethane-d4

Concen: 47.251 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086550.D

Acq: 08 May 2025 17:01

Instrument :

MSVOA_N

ClientSampleId :

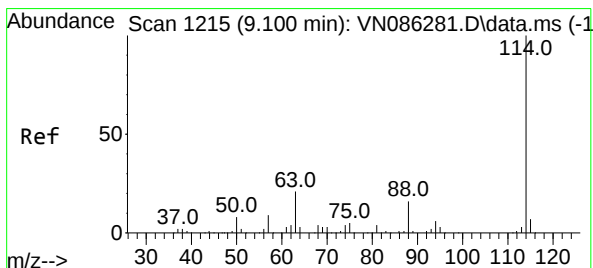
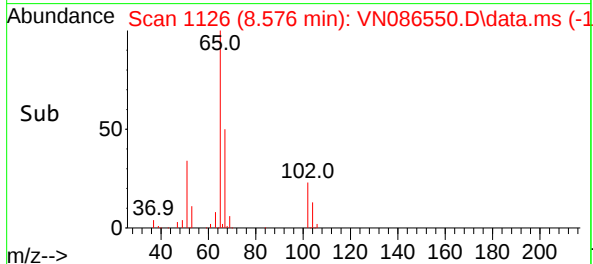
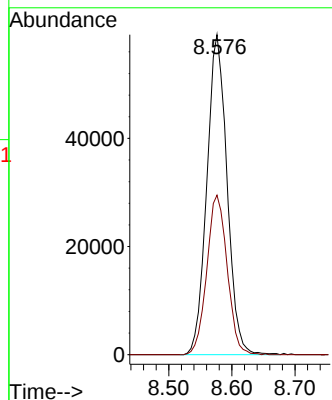
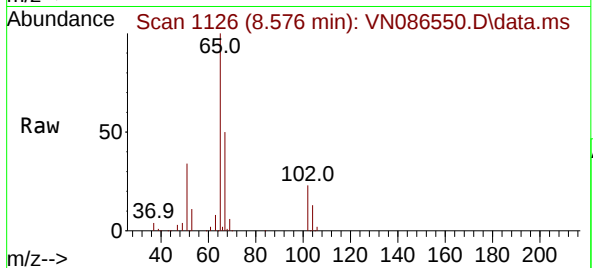
PB167895ZHE#08

Tgt Ion: 65 Resp: 131500

Ion Ratio Lower Upper

65 100

67 50.2 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086550.D

Acq: 08 May 2025 17:01

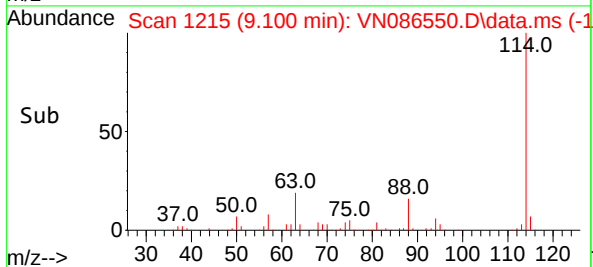
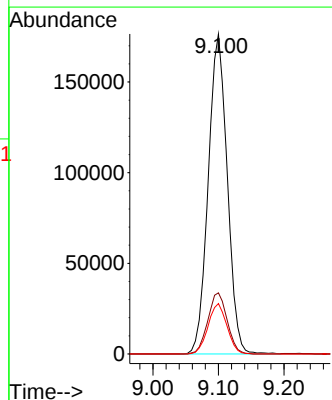
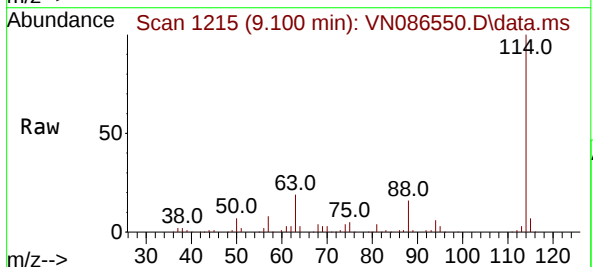
Tgt Ion: 114 Resp: 355838

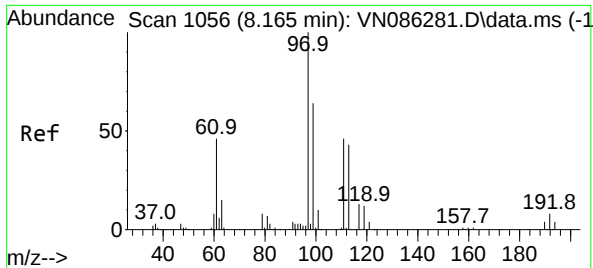
Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.6

88 15.8 0.0 31.8

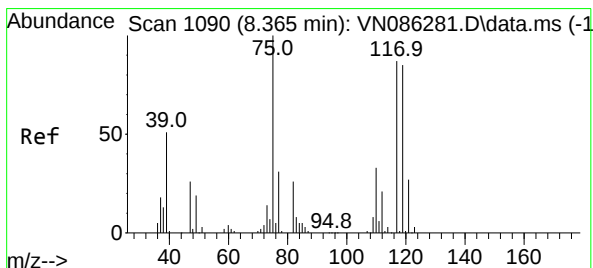
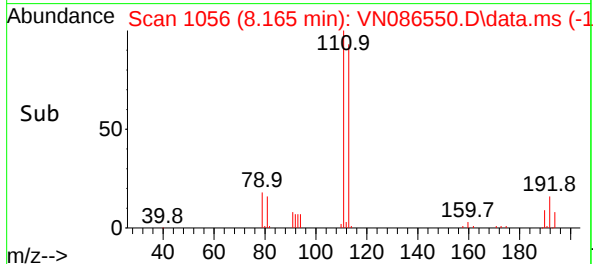
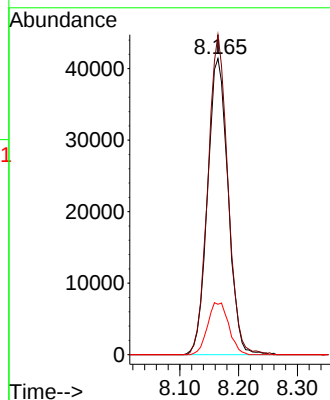
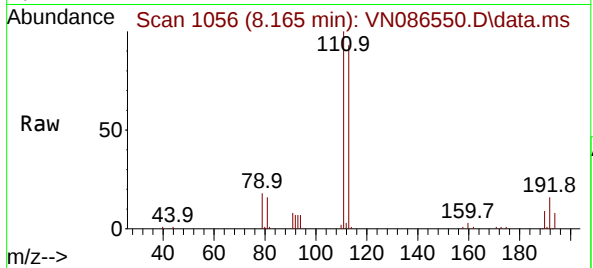




#35
Dibromofluoromethane
Concen: 60.774 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086550.D
Acq: 08 May 2025 17:01

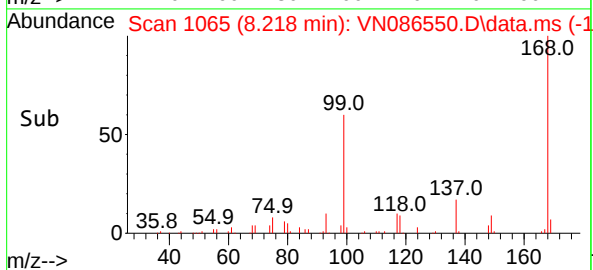
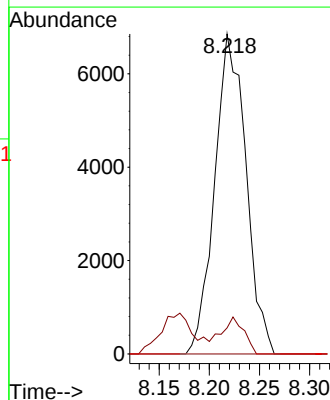
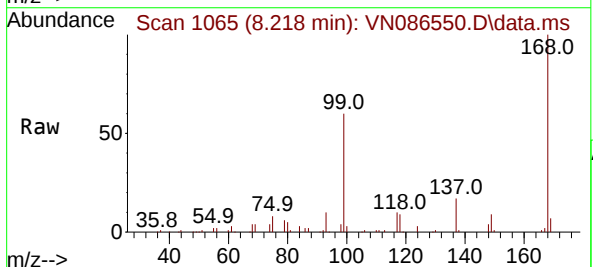
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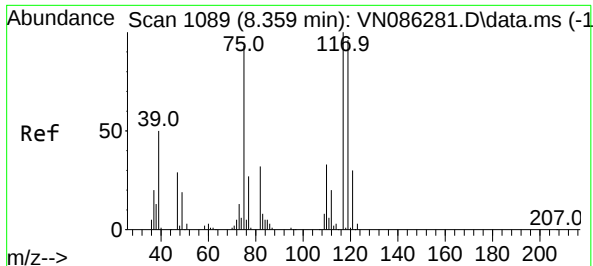
Tgt Ion:113 Resp: 100367
Ion Ratio Lower Upper
113 100
111 105.0 83.4 125.0
192 18.1 13.7 20.5



#36
1,1-Dichloropropene
Concen: 4.495 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN086550.D
Acq: 08 May 2025 17:01

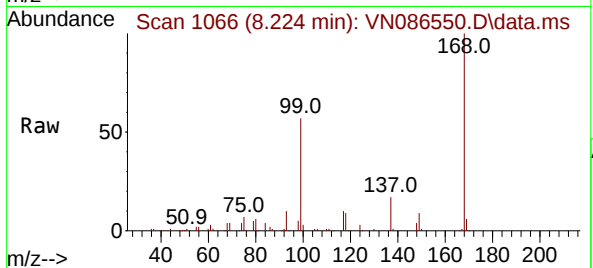
Tgt Ion: 75 Resp: 14826
Ion Ratio Lower Upper
75 100
110 8.3 16.8 50.4#
77 0.0 24.9 37.3#



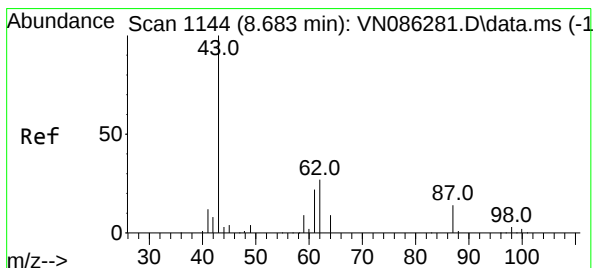
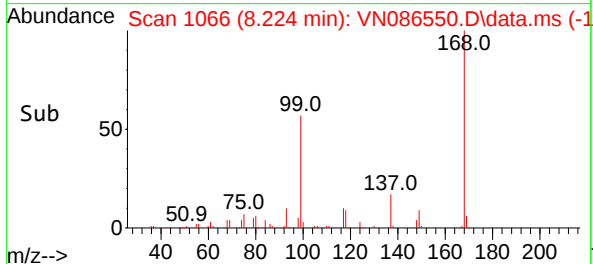
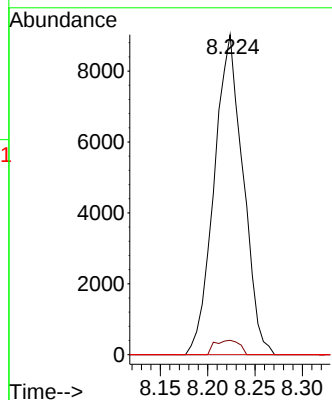


#38
Carbon Tetrachloride
Concen: 6.107 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN086550.D
Acq: 08 May 2025 17:01

Instrument :
MSVOA_N
ClientSampleId :
PB167895ZHE#08

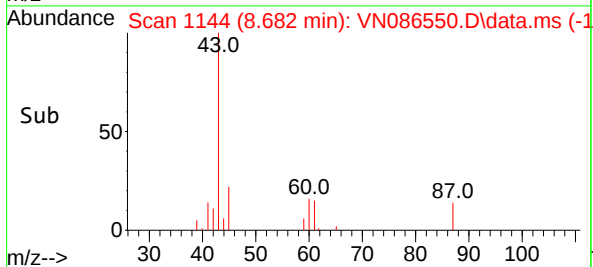
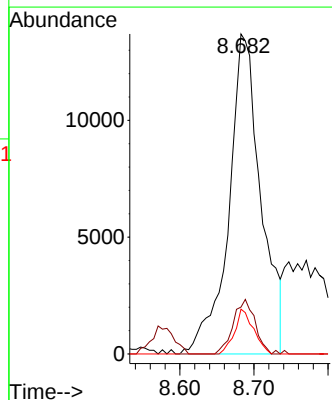
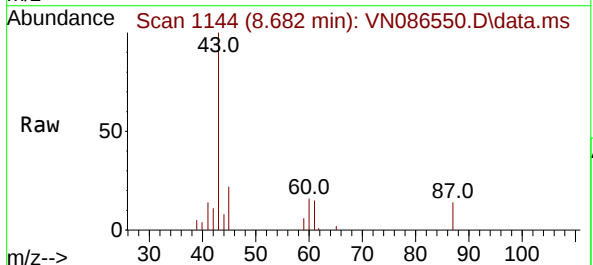


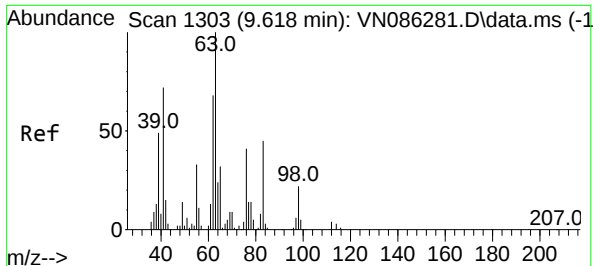
Tgt Ion:117 Resp: 19185
Ion Ratio Lower Upper
117 100
119 4.5 76.8 115.2#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: 4.859 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.001 min
Lab File: VN086550.D
Acq: 08 May 2025 17:01

Tgt Ion: 43 Resp: 41362
Ion Ratio Lower Upper
43 100
61 11.8 20.5 30.7#
87 8.2 10.5 15.7#





#45

1,2-Dichloropropane

Concen: 0.406 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.129 min

Lab File: VN086550.D

Acq: 08 May 2025 17:01

Instrument :

MSVOA_N

ClientSampleId :

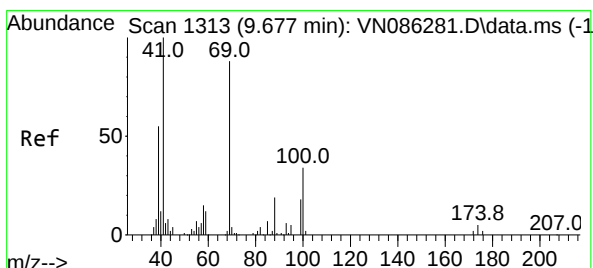
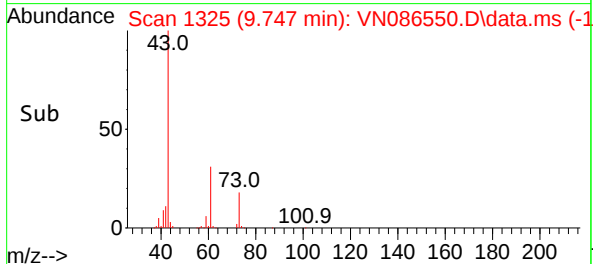
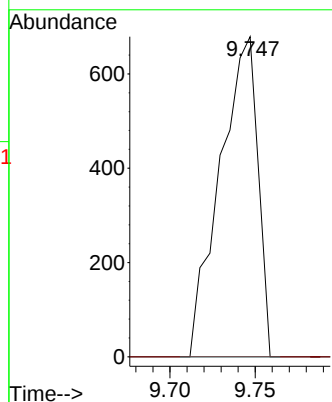
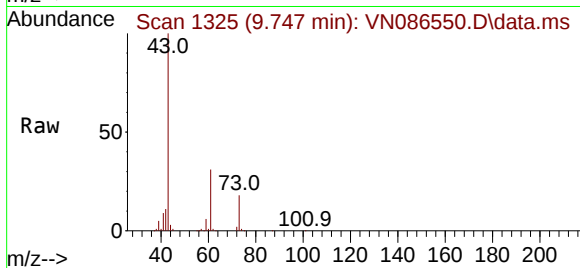
PB167895ZHE#08

Tgt Ion: 63 Resp: 1050

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.2#



#48

Methyl methacrylate

Concen: 23.862 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.065 min

Lab File: VN086550.D

Acq: 08 May 2025 17:01

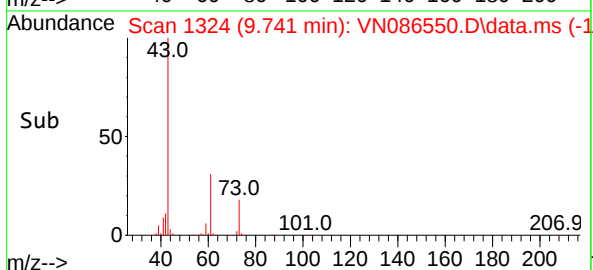
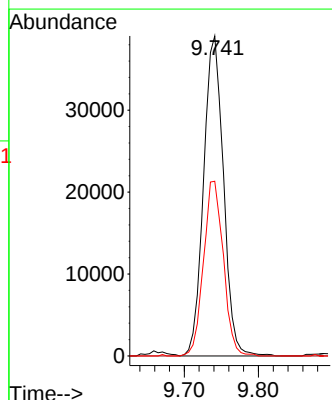
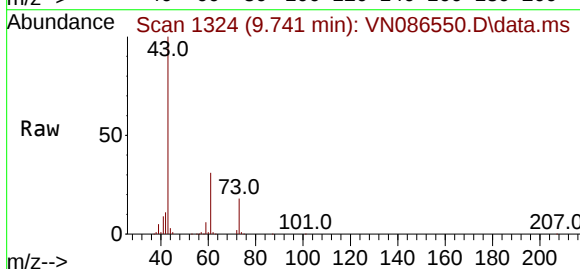
Tgt Ion: 41 Resp: 72771

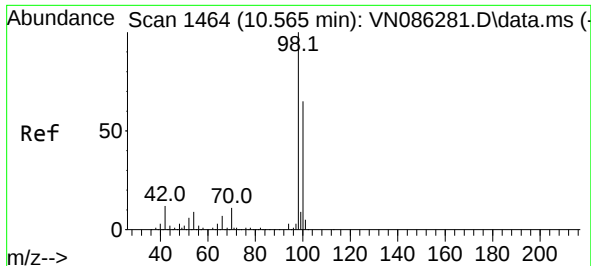
Ion Ratio Lower Upper

41 100

69 0.0 68.2 102.2#

39 54.5 45.2 67.8

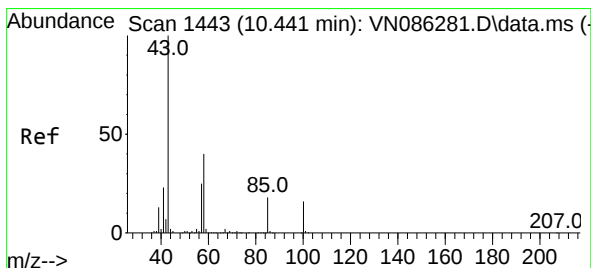
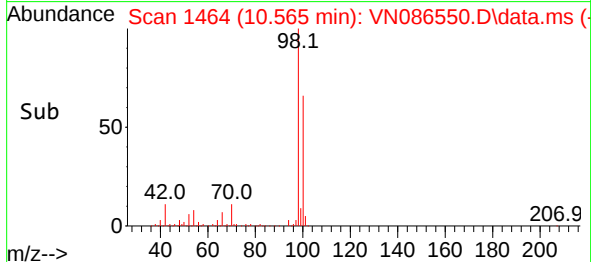
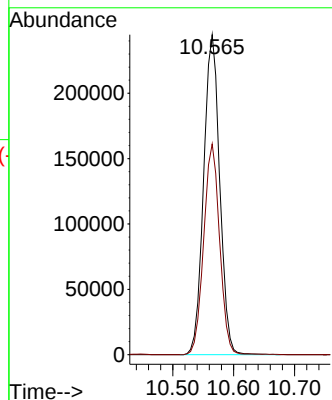
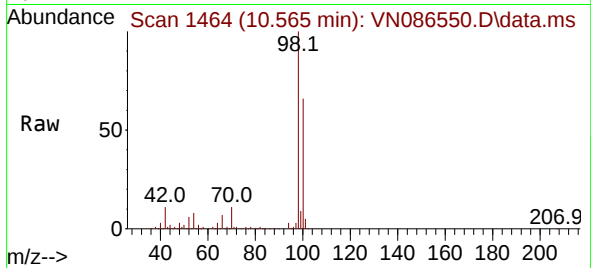




#50
Toluene-d8
Concen: 50.913 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086550.D
Acq: 08 May 2025 17:01

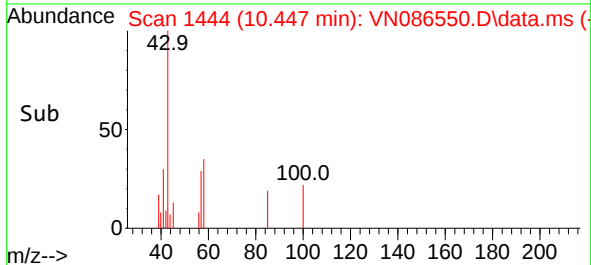
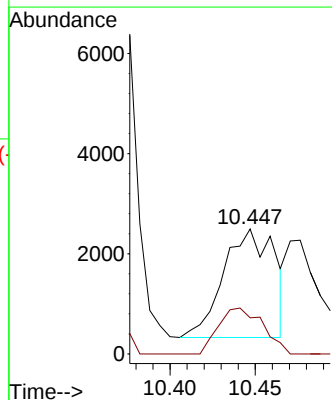
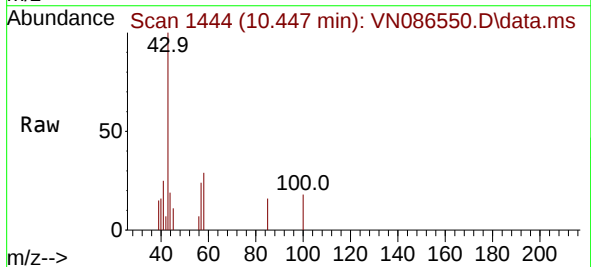
Instrument : MSVOA_N
ClientSampleId : PB167895ZHE#08

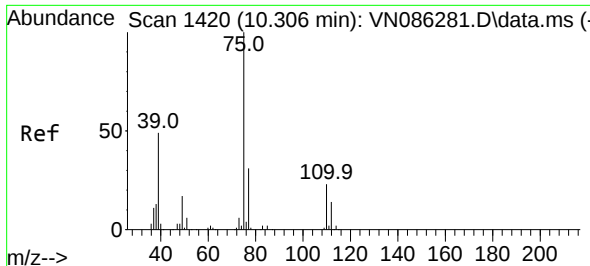
Tgt Ion: 98 Resp: 449375
Ion Ratio Lower Upper
98 100
100 65.2 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.262 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN086550.D
Acq: 08 May 2025 17:01

Tgt Ion: 43 Resp: 4489
Ion Ratio Lower Upper
43 100
58 37.3 32.2 48.4

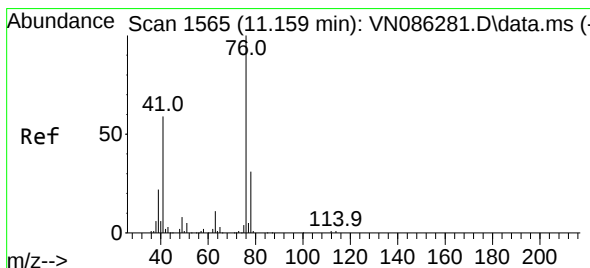
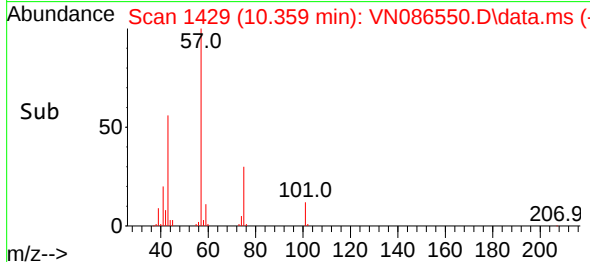
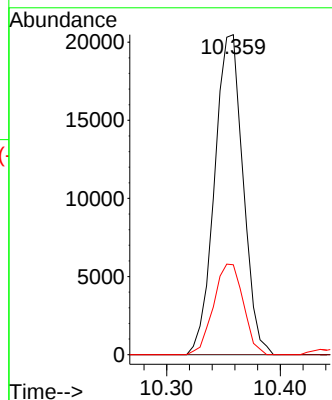
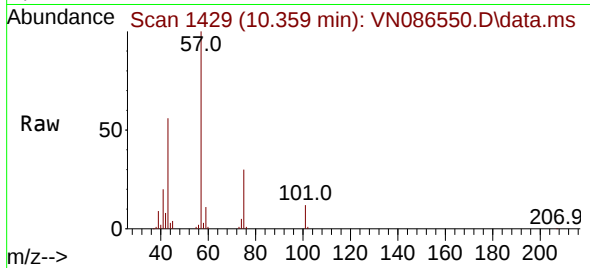




#54
cis-1,3-Dichloropropene
Concen: 8.181 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.053 min
Lab File: VN086550.D
Acq: 08 May 2025 17:01

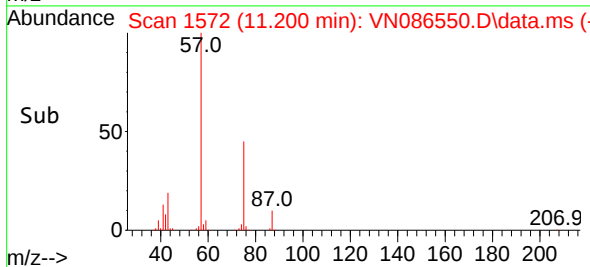
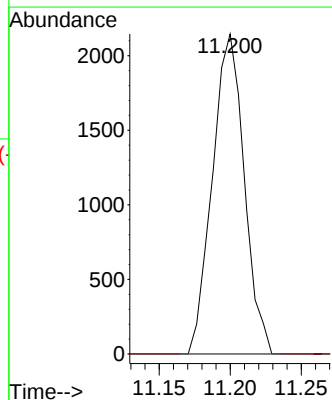
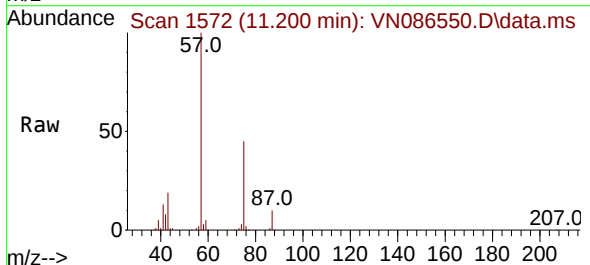
Instrument :
MSVOA_N
ClientSampleId :
PB167895ZHE#08

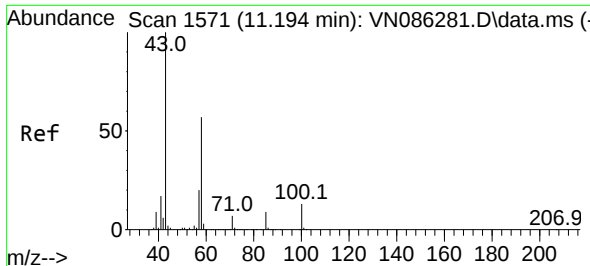
Tgt Ion: 75 Resp: 35708
Ion Ratio Lower Upper
75 100
77 0.0 25.2 37.8#
39 28.1 39.3 58.9#



#57
1,3-Dichloropropane
Concen: 0.794 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN086550.D
Acq: 08 May 2025 17:01

Tgt Ion: 76 Resp: 3344
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

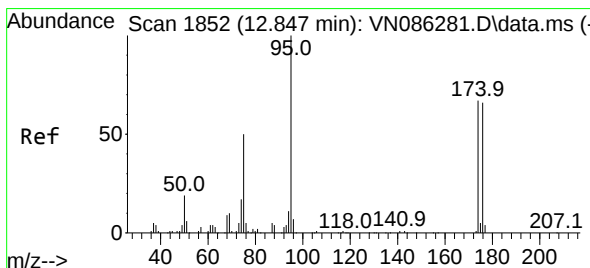
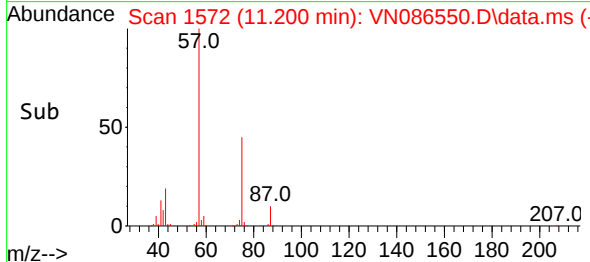
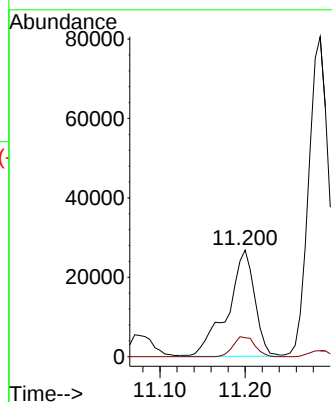
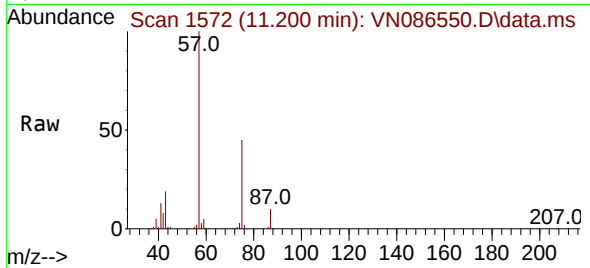




#59
2-Hexanone
Concen: 22.378 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086550.D
Acq: 08 May 2025 17:01

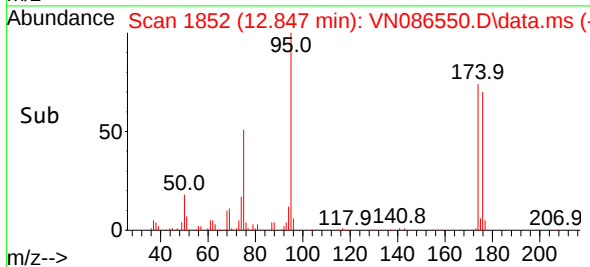
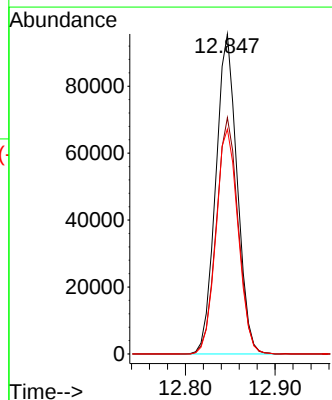
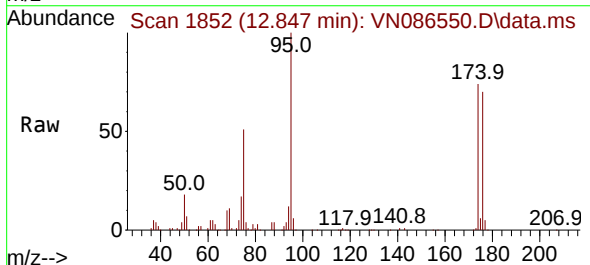
Instrument :
MSVOA_N
ClientSampleId :
PB167895ZHE#08

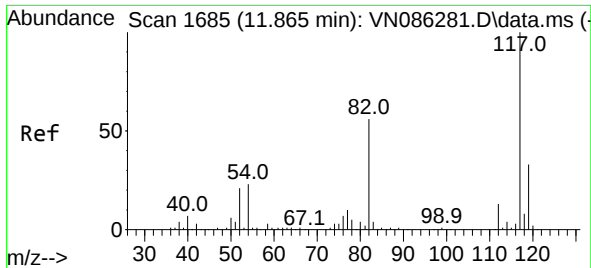
Tgt Ion: 43 Resp: 59025
Ion Ratio Lower Upper
43 100
58 15.2 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: 49.104 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086550.D
Acq: 08 May 2025 17:01

Tgt Ion: 95 Resp: 158082
Ion Ratio Lower Upper
95 100
174 75.7 0.0 133.4
176 72.7 0.0 129.2

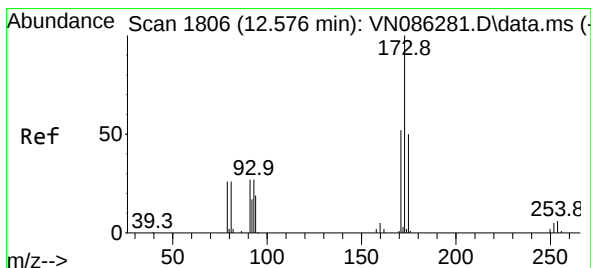
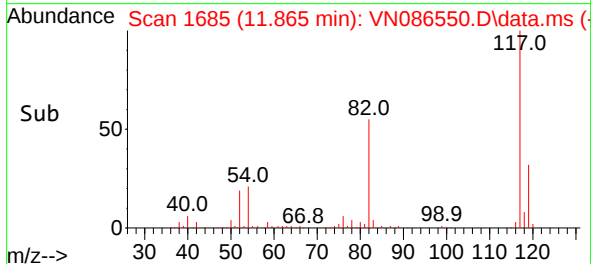
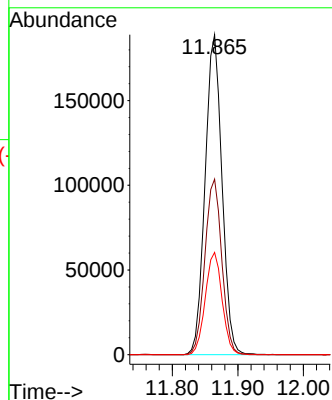
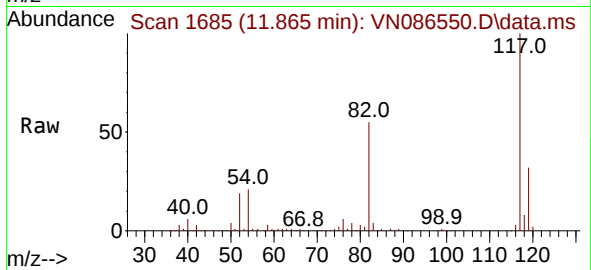




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086550.D
Acq: 08 May 2025 17:01

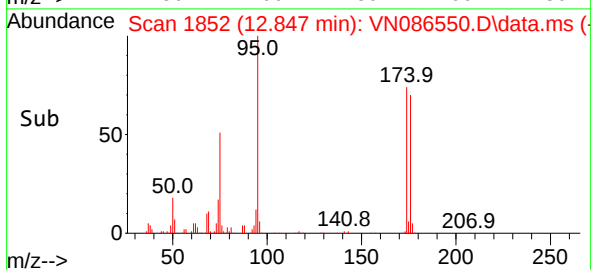
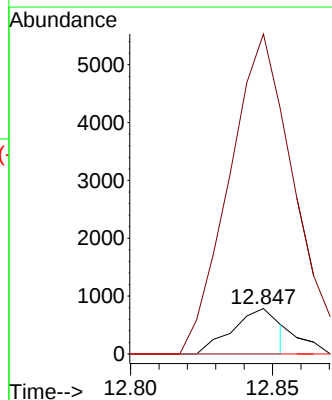
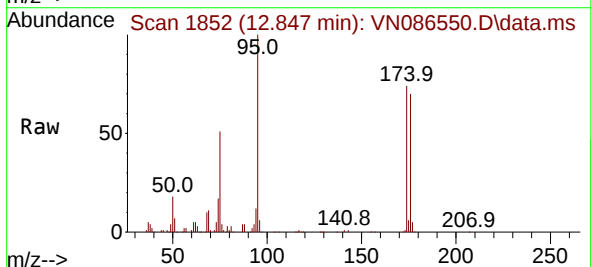
Instrument :
MSVOA_N
ClientSampleId :
PB167895ZHE#08

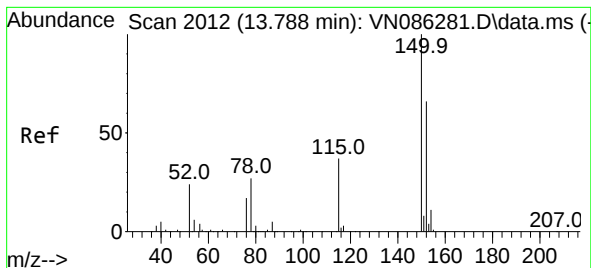
Tgt Ion:117 Resp: 338389
Ion Ratio Lower Upper
117 100
82 54.8 44.7 67.1
119 32.0 26.4 39.6



#71
Bromoform
Concen: 0.481 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.270 min
Lab File: VN086550.D
Acq: 08 May 2025 17:01

Tgt Ion:173 Resp: 903
Ion Ratio Lower Upper
173 100
175 777.4 24.6 73.6#
254 0.0 0.0 0.0

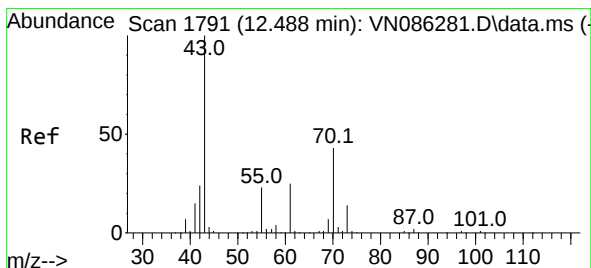
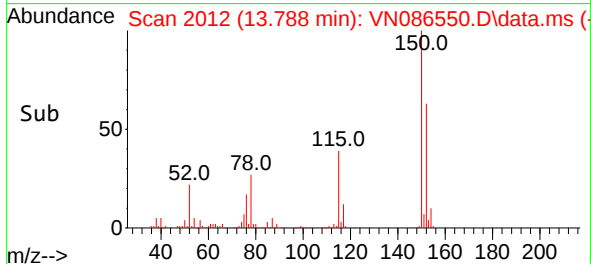
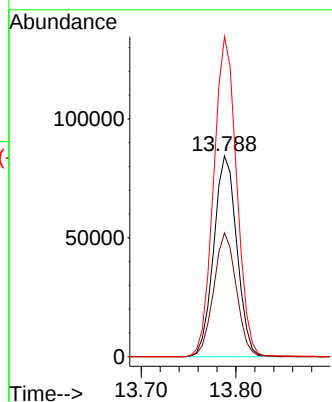
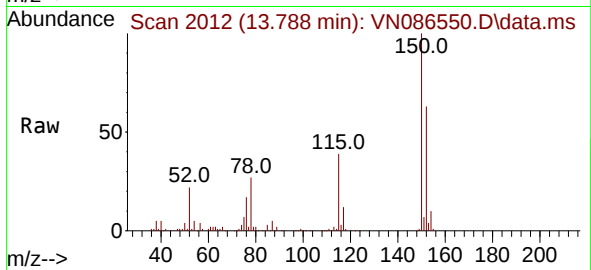




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086550.D
Acq: 08 May 2025 17:01

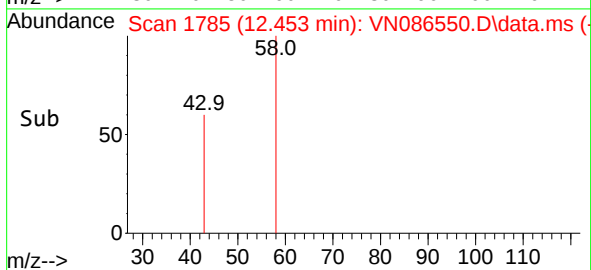
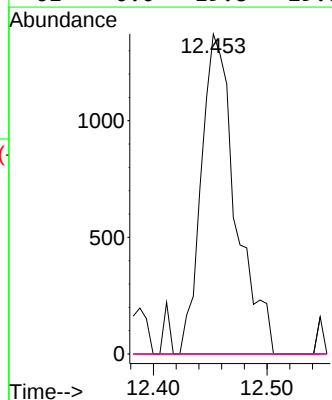
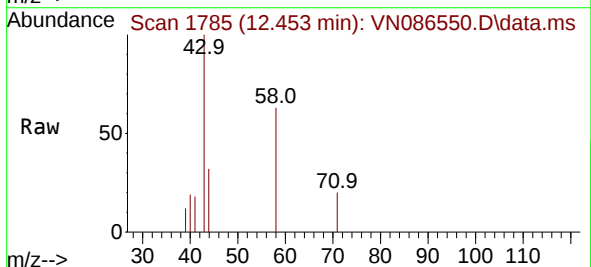
Instrument :
MSVOA_N
ClientSampleId :
PB167895ZHE#08

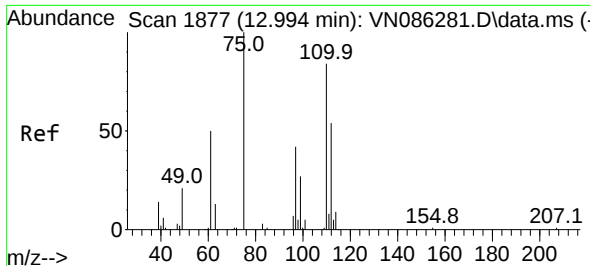
Tgt Ion:152 Resp: 143123
Ion Ratio Lower Upper
152 100
115 60.7 31.9 95.9
150 159.3 0.0 352.0



#74
N-ethyl acetate
Concen: 0.497 ug/l
RT: 12.453 min Scan# 1785
Delta R.T. -0.035 min
Lab File: VN086550.D
Acq: 08 May 2025 17:01

Tgt Ion: 43 Resp: 2895
Ion Ratio Lower Upper
43 100
70 0.0 35.0 52.4#
55 0.0 19.0 28.4#
61 0.0 19.8 29.8#

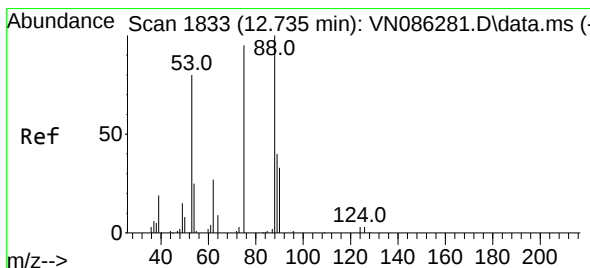
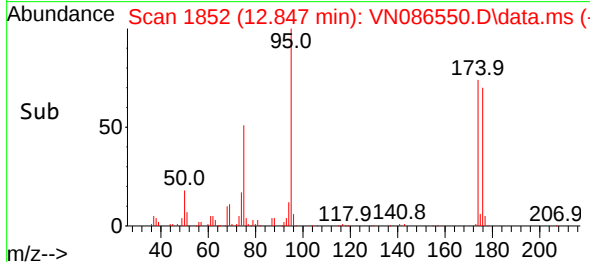
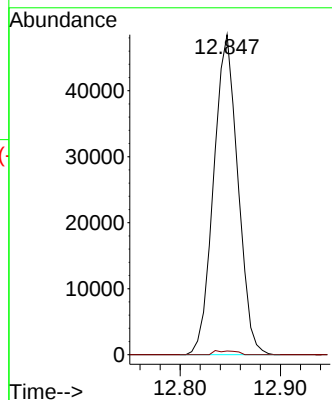
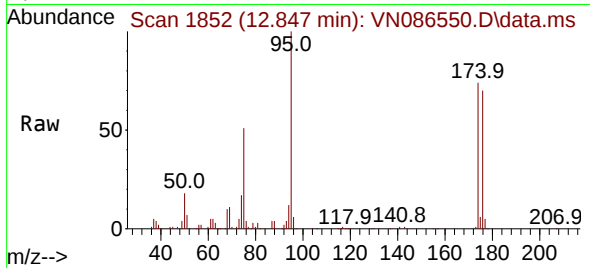




#76
1,2,3-Trichloropropane
Concen: 24.016 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086550.D
Acq: 08 May 2025 17:01

Instrument :
MSVOA_N
ClientSampleId :
PB167895ZHE#08

Tgt Ion: 75 Resp: 81113
Ion Ratio Lower Upper
75 100
77 1.1 98.8 296.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.677 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086550.D
Acq: 08 May 2025 17:01

Tgt Ion: 75 Resp: 81113
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#

