

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050825\
 Data File : VN086546.D
 Acq On : 08 May 2025 15:25
 Operator : JC\MD
 Sample : PB167895ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167895ZHE#04

Quant Time: May 09 01:53:09 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)

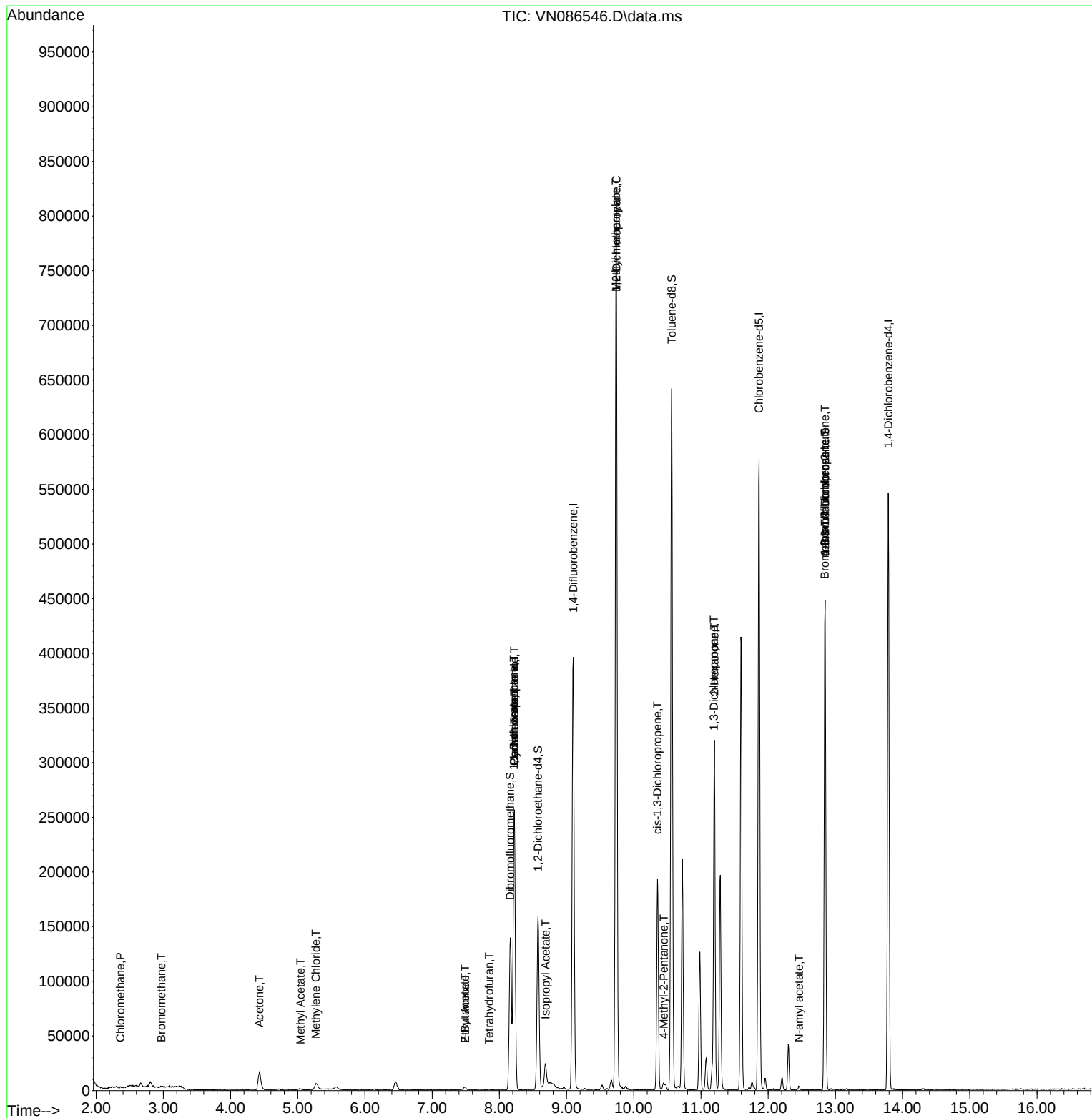
Internal Standards						
1) Pentafluorobenzene	8.224	168	194767	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	363039	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	344574	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	151345	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	134169	47.505	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.020%
35) Dibromofluoromethane	8.159	113	104628	62.097	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	124.200%#
50) Toluene-d8	10.565	98	454744	50.499	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.000%
62) 4-Bromofluorobenzene	12.847	95	161707	49.233	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	98.460%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1090	0.325	ug/l #	82
5) Bromomethane	2.971	94	653	0.453	ug/l	84
16) Acetone	4.430	43	32472	28.191	ug/l	99
18) Methyl Acetate	5.042	43	2863	0.844	ug/l #	81
20) Methylene Chloride	5.271	84	4570	1.750	ug/l #	92
25) 2-Butanone	7.489	43	5428	3.088	ug/l	93
29) Tetrahydrofuran	7.847	42	632	0.538	ug/l #	49
31) Cyclohexane	8.224	56	3881	0.848	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	15198	4.516	ug/l #	48
37) Ethyl Acetate	7.489	43	5428	1.532	ug/l #	68
38) Carbon Tetrachloride	8.224	117	19449	6.069	ug/l #	16
43) Isopropyl Acetate	8.688	43	33410	3.453	ug/l #	82
45) 1,2-Dichloropropane	9.741	63	888	0.336	ug/l #	43
48) Methyl methacrylate	9.735	41	75377	24.226	ug/l #	42
51) 4-Methyl-2-Pentanone	10.447	43	5118	1.411	ug/l	89
54) cis-1,3-Dichloropropene	10.353	75	37199	8.353	ug/l #	61
57) 1,3-Dichloropropane	11.194	76	3388	0.789	ug/l #	43
59) 2-Hexanone	11.200	43	58346	21.681	ug/l #	43
71) Bromoform	12.841	173	839	0.439	ug/l #	1
74) N-amyl acetate	12.459	43	2525	0.410	ug/l #	43
76) 1,2,3-Trichloropropane	12.847	75	83273	23.316	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	83273	55.996	ug/l #	10

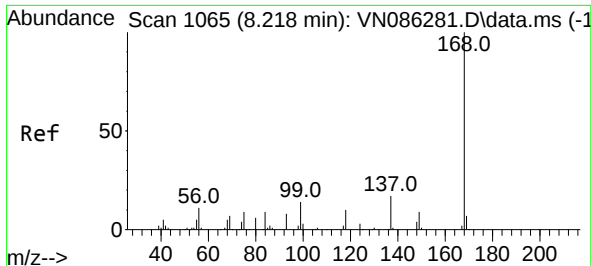
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050825\
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Instrument :
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Quant Time: May 09 01:53:09 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

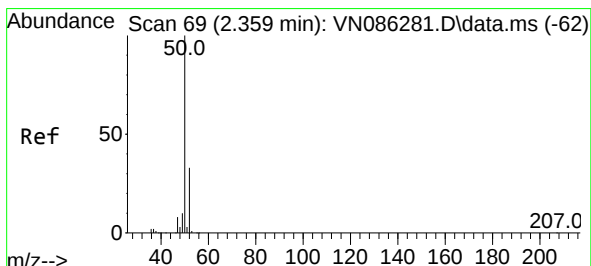
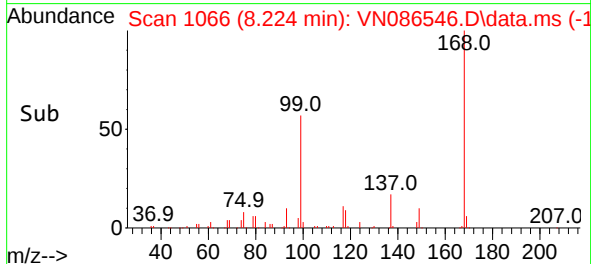
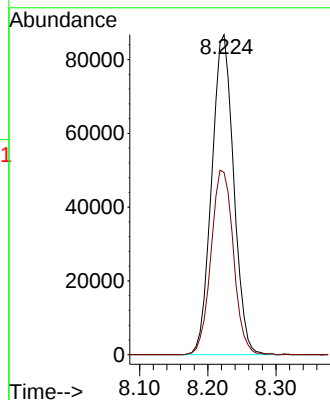
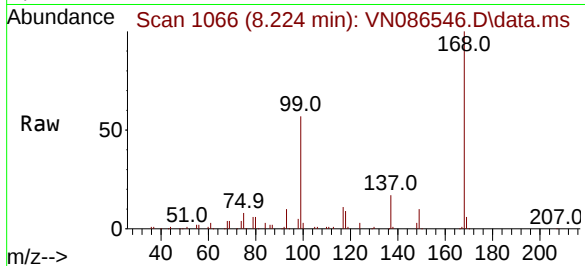




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN086546.D
Acq: 08 May 2025 15:25

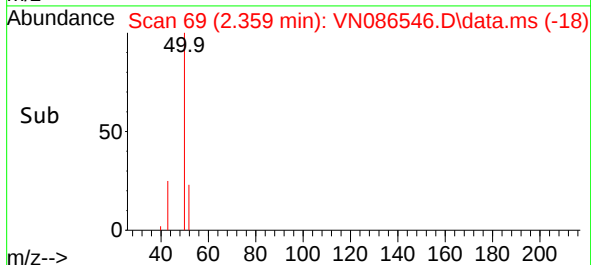
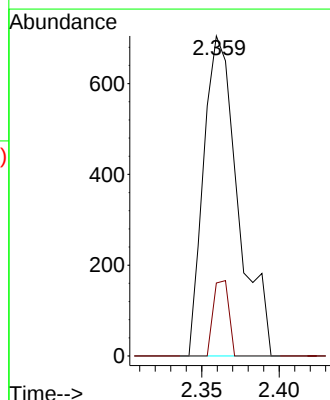
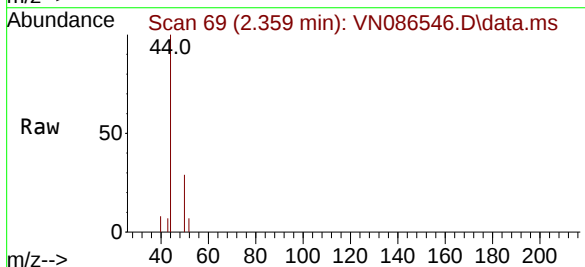
Instrument :
MSVOA_N
ClientSampleId :
PB167895ZHE#04

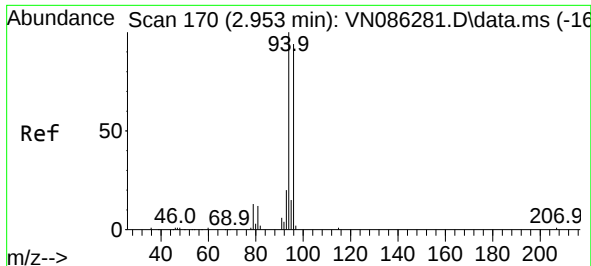
Tgt Ion:168 Resp: 194767
Ion Ratio Lower Upper
168 100
99 57.0 52.5 78.7



#3
Chloromethane
Concen: 0.325 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN086546.D
Acq: 08 May 2025 15:25

Tgt Ion: 50 Resp: 1090
Ion Ratio Lower Upper
50 100
52 22.8 26.5 39.7#

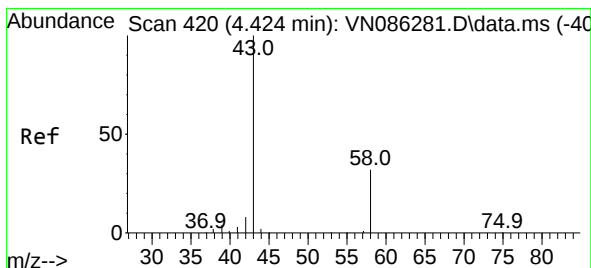
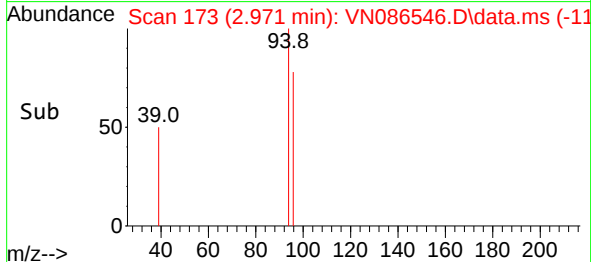
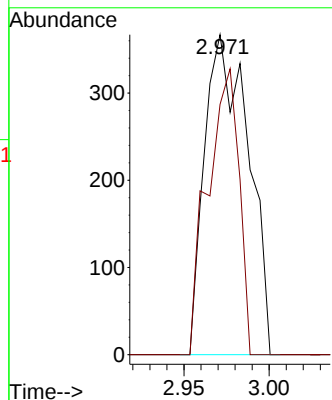
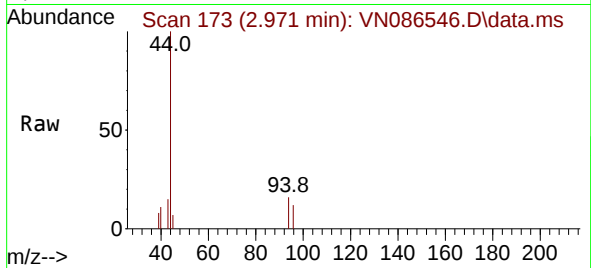




#5
Bromomethane
Concen: 0.453 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN086546.D
Acq: 08 May 2025 15:25

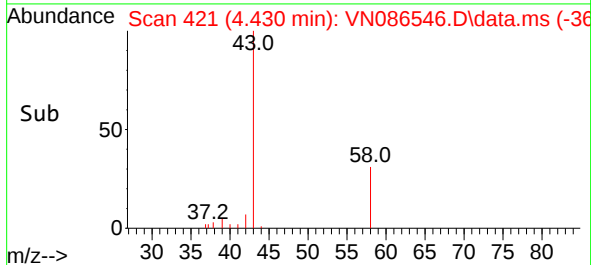
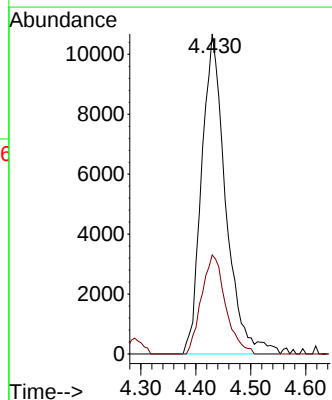
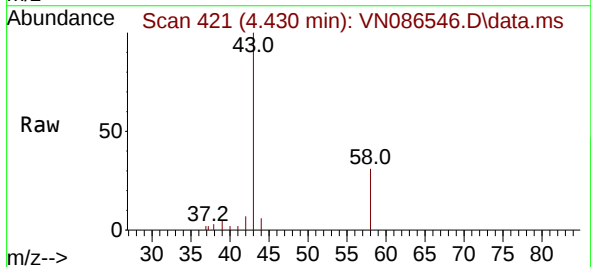
Instrument :
MSVOA_N
ClientSampleId :
PB167895ZHE#04

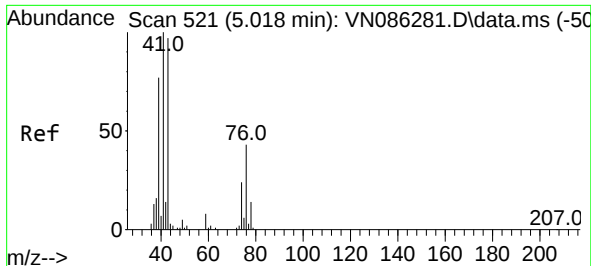
Tgt Ion: 94 Resp: 653
Ion Ratio Lower Upper
94 100
96 78.2 75.2 112.8



#16
Acetone
Concen: 28.191 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086546.D
Acq: 08 May 2025 15:25

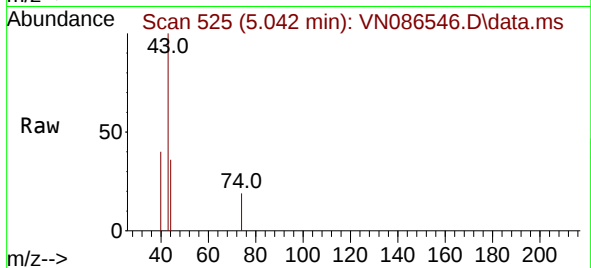
Tgt Ion: 43 Resp: 32472
Ion Ratio Lower Upper
43 100
58 30.9 25.3 37.9



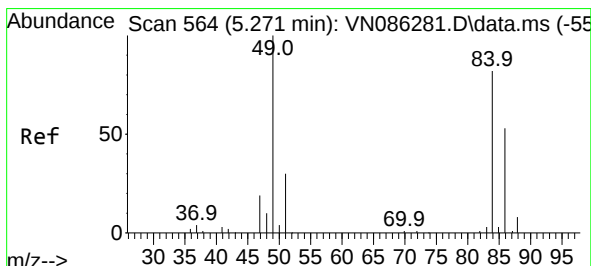
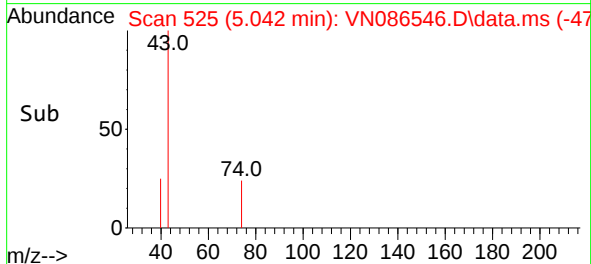
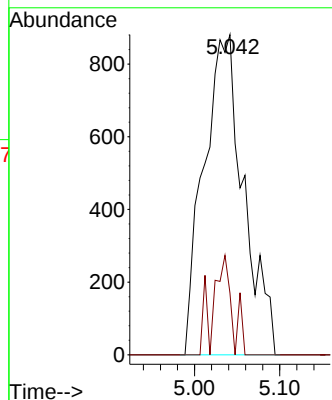


#18
Methyl Acetate
Concen: 0.844 ug/l
RT: 5.042 min Scan# 51
Delta R.T. 0.024 min
Lab File: VN086546.D
Acq: 08 May 2025 15:25

Instrument :
MSVOA_N
ClientSampleId :
PB167895ZHE#04

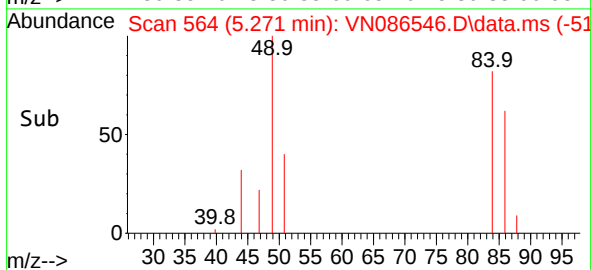
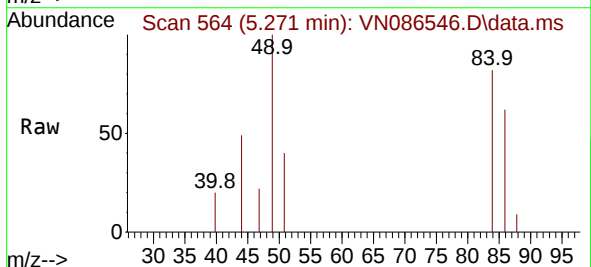
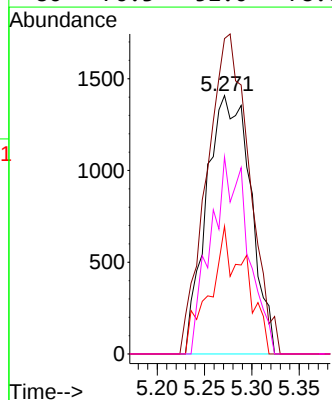


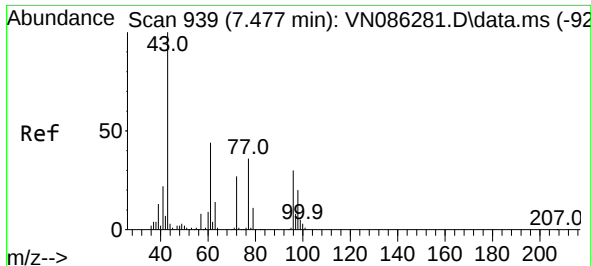
Tgt Ion: 43 Resp: 2863
Ion Ratio Lower Upper
43 100
74 15.3 19.8 29.6#



#20
Methylene Chloride
Concen: 1.750 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN086546.D
Acq: 08 May 2025 15:25

Tgt Ion: 84 Resp: 4570
Ion Ratio Lower Upper
84 100
49 122.1 98.2 147.2
51 49.4 29.8 44.6#
86 76.3 52.0 78.0

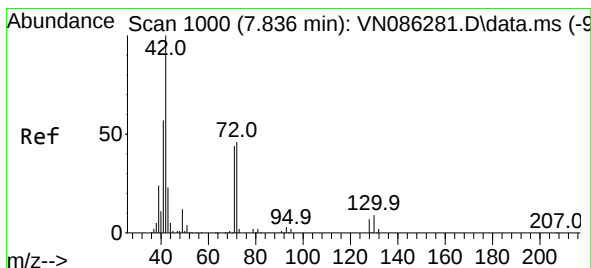
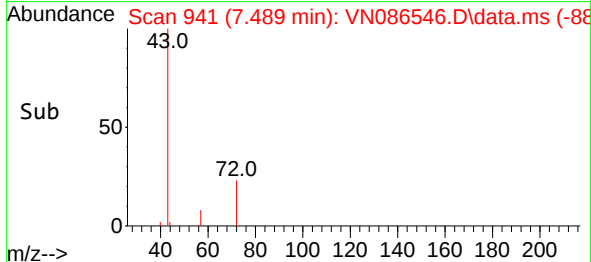
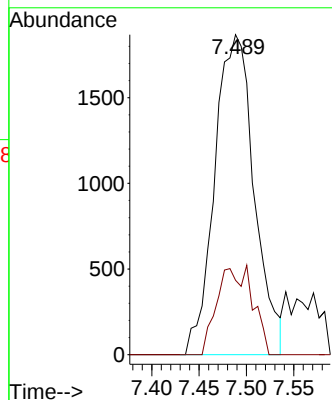
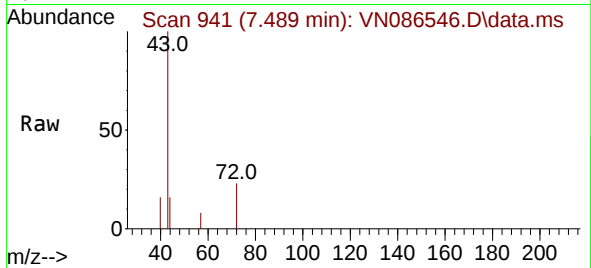




#25
2-Butanone
Concen: 3.088 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN086546.D
Acq: 08 May 2025 15:25

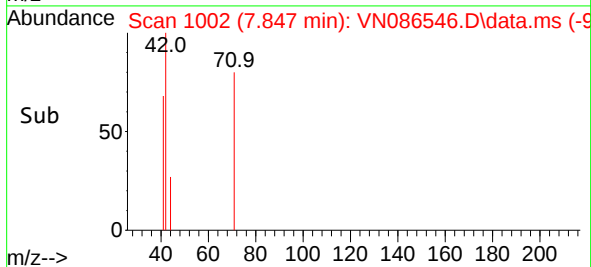
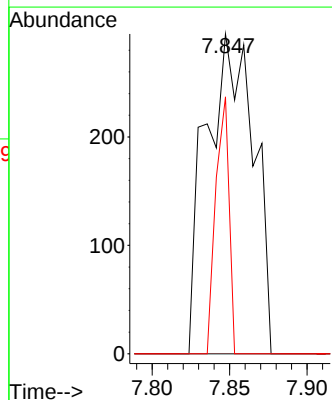
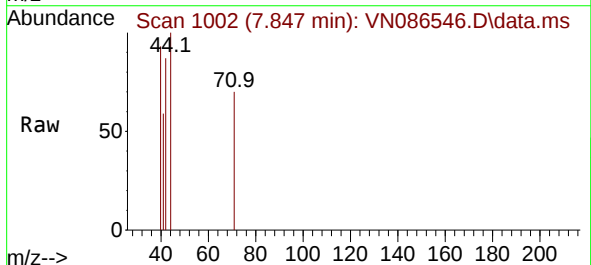
Instrument :
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ClientSampleId :
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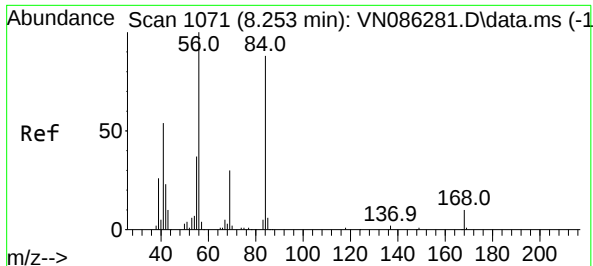
Tgt Ion: 43 Resp: 5428
Ion Ratio Lower Upper
43 100
72 23.2 21.7 32.5



#29
Tetrahydrofuran
Concen: 0.538 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.012 min
Lab File: VN086546.D
Acq: 08 May 2025 15:25

Tgt Ion: 42 Resp: 632
Ion Ratio Lower Upper
42 100
72 0.0 36.2 54.4#
71 22.3 34.0 51.0#

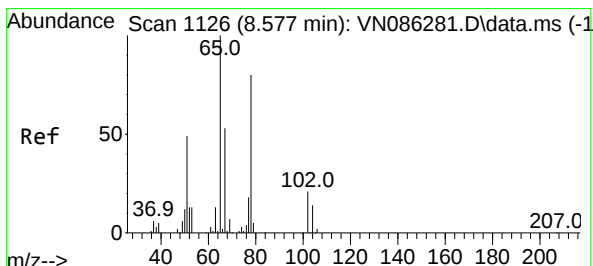
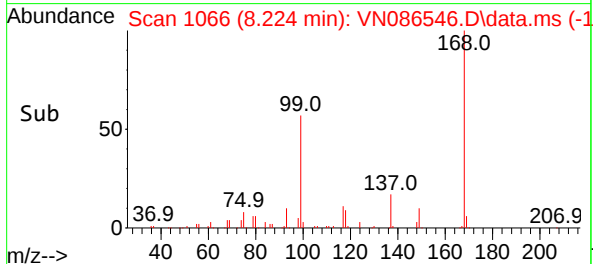
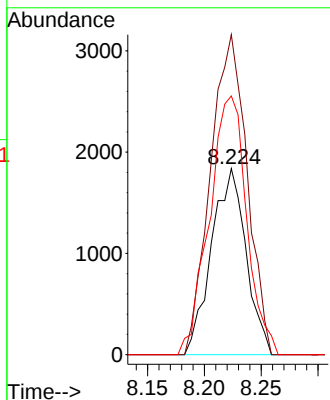
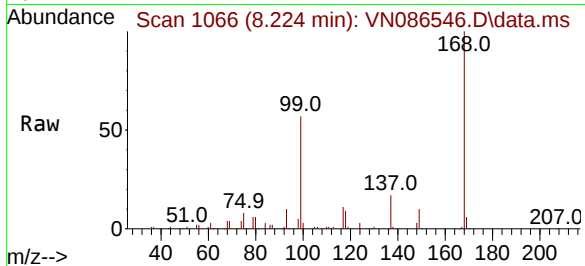




#31
Cyclohexane
Concen: 0.848 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN086546.D
Acq: 08 May 2025 15:25

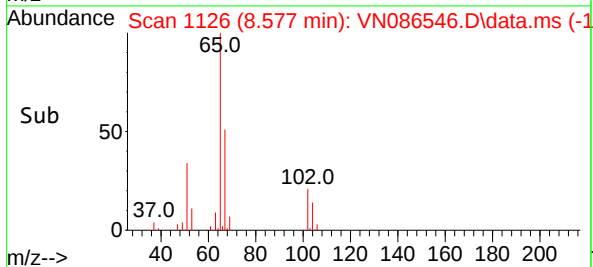
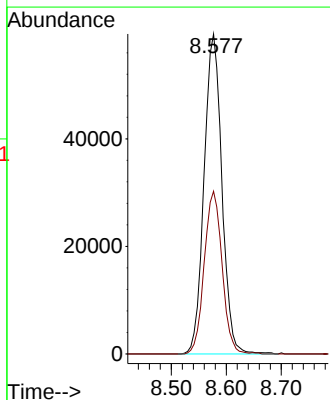
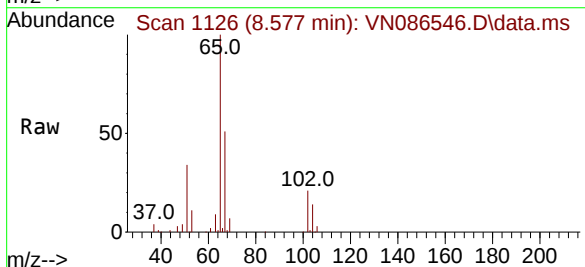
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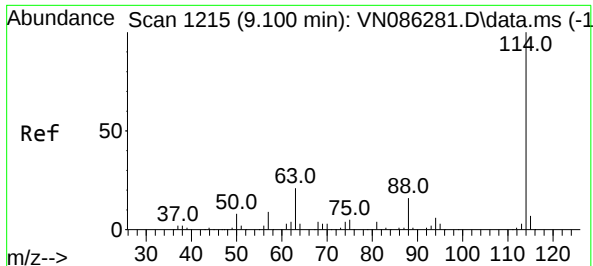
Tgt Ion: 56 Resp: 3881
Ion Ratio Lower Upper
56 100
69 171.9 24.2 36.2#
84 139.0 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 47.505 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086546.D
Acq: 08 May 2025 15:25

Tgt Ion: 65 Resp: 134169
Ion Ratio Lower Upper
65 100
67 50.7 0.0 106.0

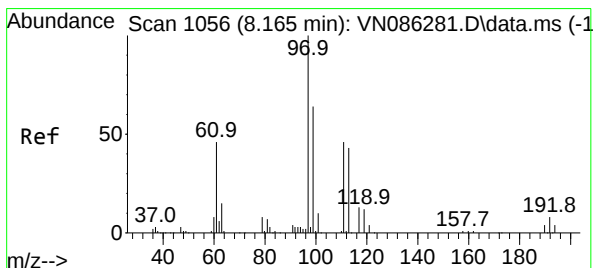
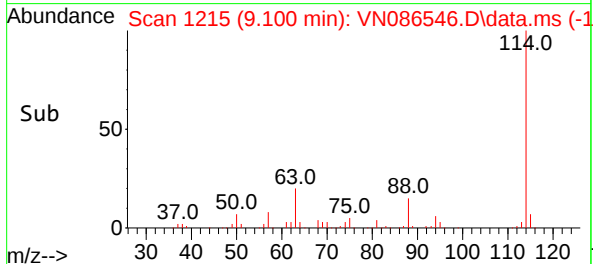
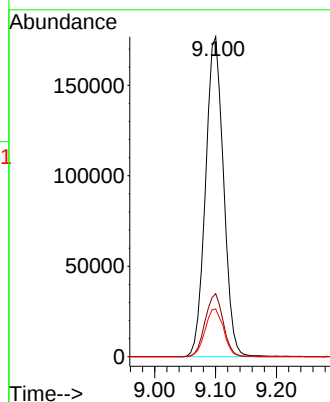
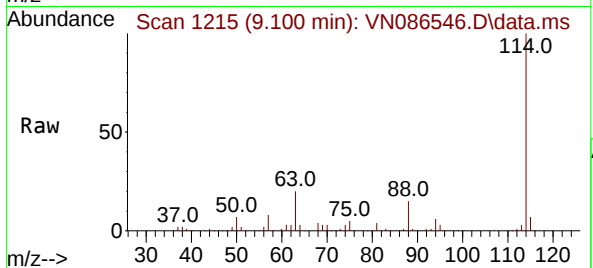




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086546.D
Acq: 08 May 2025 15:25

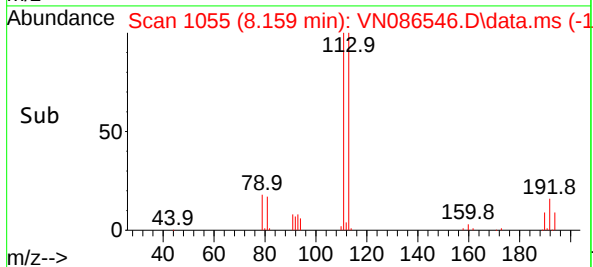
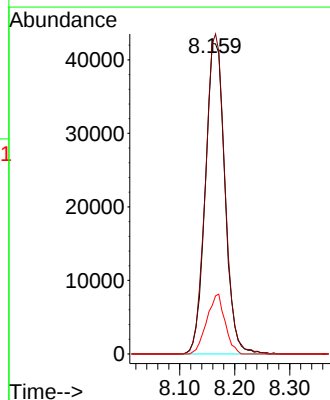
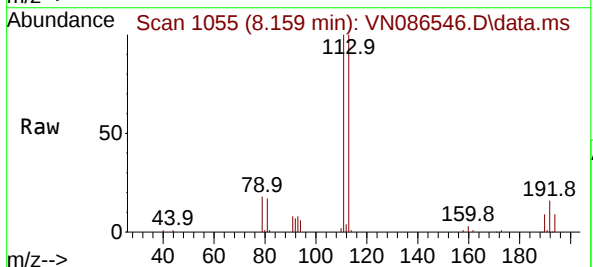
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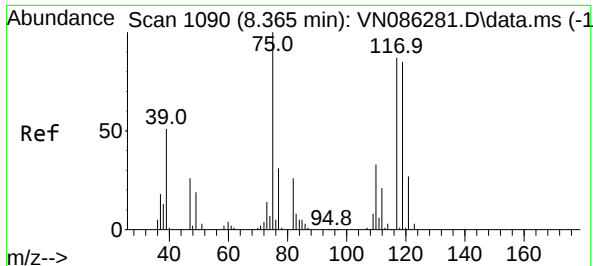
Tgt Ion:114 Resp: 363039
Ion Ratio Lower Upper
114 100
63 19.7 0.0 42.6
88 14.9 0.0 31.8



#35
Dibromofluoromethane
Concen: 62.097 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN086546.D
Acq: 08 May 2025 15:25

Tgt Ion:113 Resp: 104628
Ion Ratio Lower Upper
113 100
111 101.7 83.4 125.0
192 17.9 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.516 ug/l

RT: 8.218 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN086546.D

Acq: 08 May 2025 15:25

Instrument :

MSVOA_N

ClientSampleId :

PB167895ZHE#04

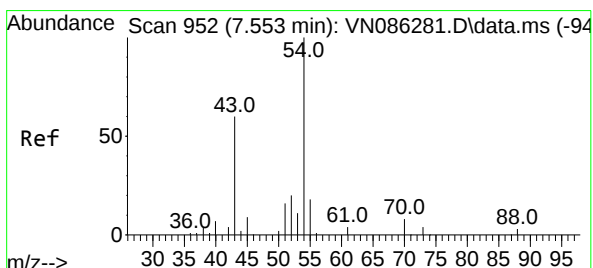
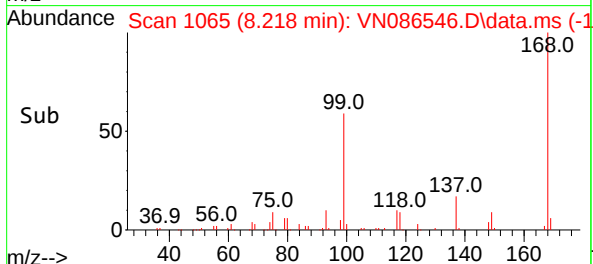
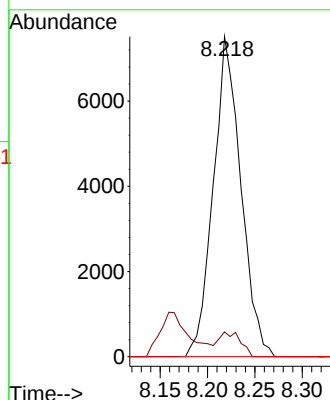
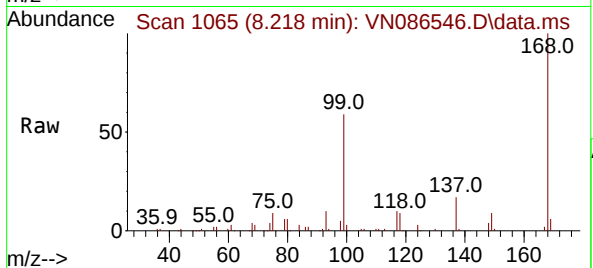
Tgt Ion: 75 Resp: 15198

Ion Ratio Lower Upper

75 100

110 6.0 16.8 50.4#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 1.532 ug/l

RT: 7.489 min Scan# 941

Delta R.T. -0.065 min

Lab File: VN086546.D

Acq: 08 May 2025 15:25

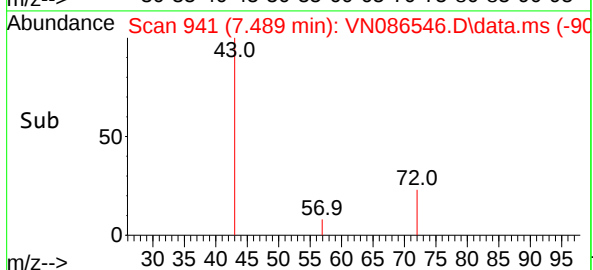
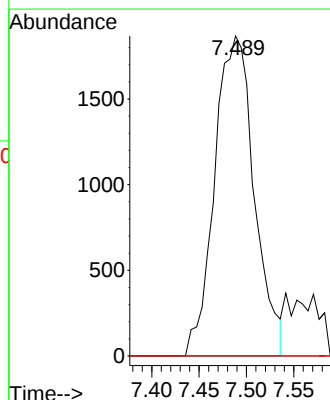
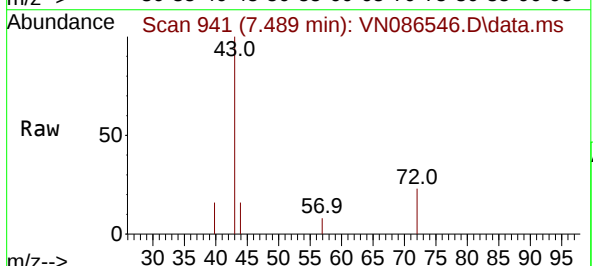
Tgt Ion: 43 Resp: 5428

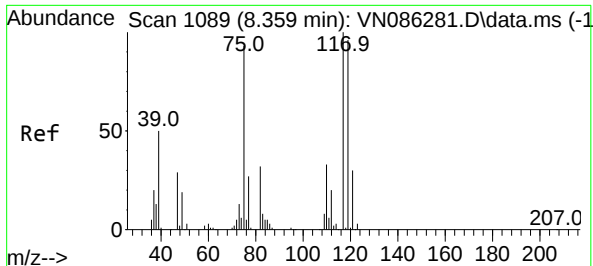
Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

70 0.0 9.2 13.8#

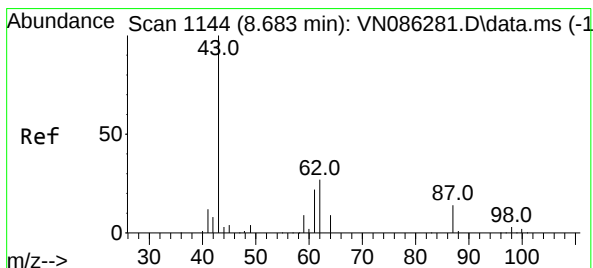
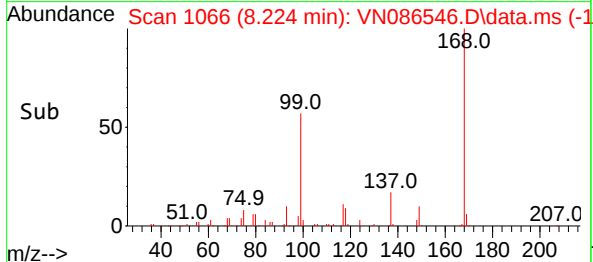
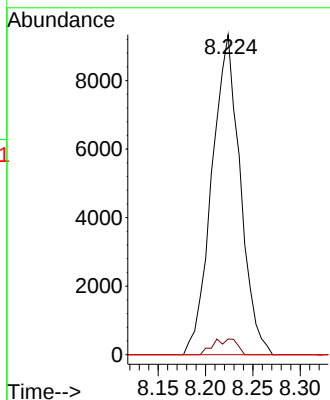
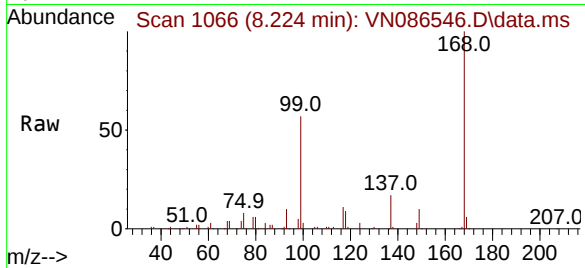




#38
Carbon Tetrachloride
Concen: 6.069 ug/l
RT: 8.224 min Scan# 110
Delta R.T. -0.135 min
Lab File: VN086546.D
Acq: 08 May 2025 15:25

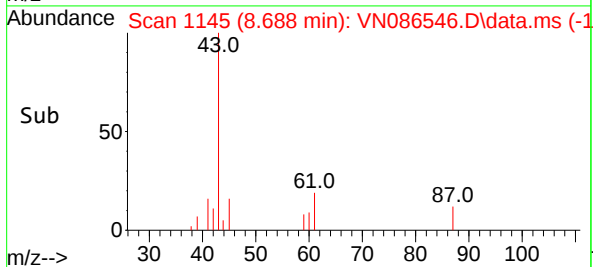
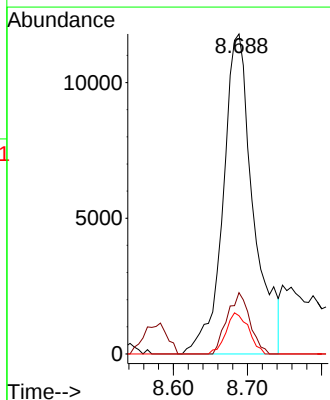
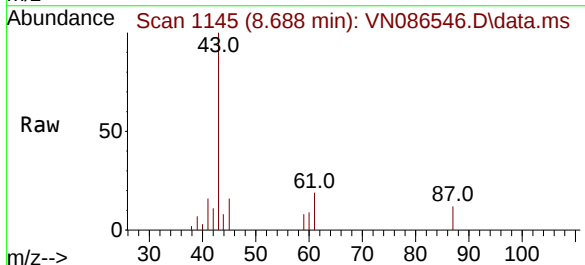
Instrument :
MSVOA_N
ClientSampleId :
PB167895ZHE#04

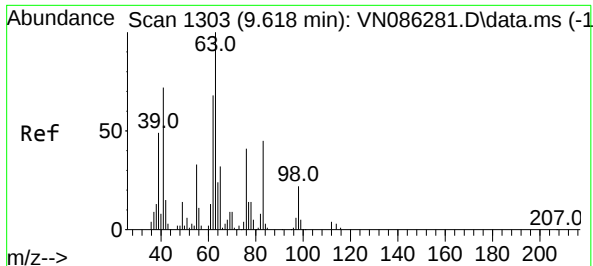
Tgt Ion:117 Resp: 19449
Ion Ratio Lower Upper
117 100
119 4.9 76.8 115.2#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: 3.453 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN086546.D
Acq: 08 May 2025 15:25

Tgt Ion: 43 Resp: 33410
Ion Ratio Lower Upper
43 100
61 14.4 20.5 30.7#
87 9.6 10.5 15.7#





#45

1,2-Dichloropropane

Concen: 0.336 ug/l

RT: 9.741 min Scan# 1

Delta R.T. 0.124 min

Lab File: VN086546.D

Acq: 08 May 2025 15:25

Instrument :

MSVOA_N

ClientSampleId :

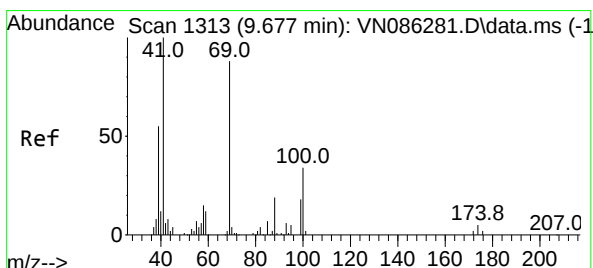
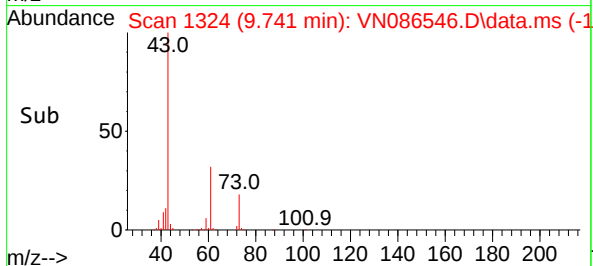
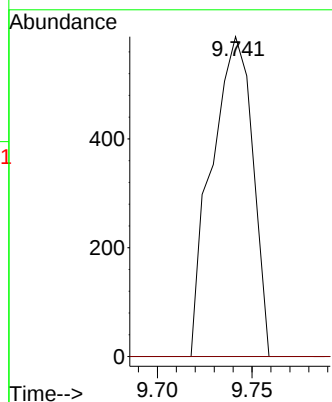
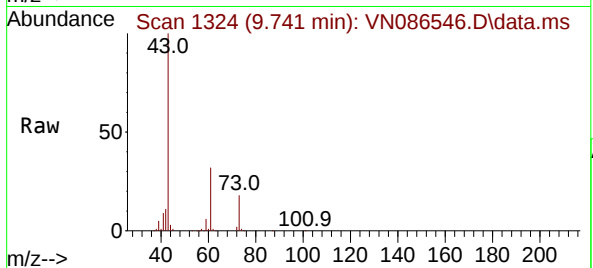
PB167895ZHE#04

Tgt Ion: 63 Resp: 888

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.2#



#48

Methyl methacrylate

Concen: 24.226 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.059 min

Lab File: VN086546.D

Acq: 08 May 2025 15:25

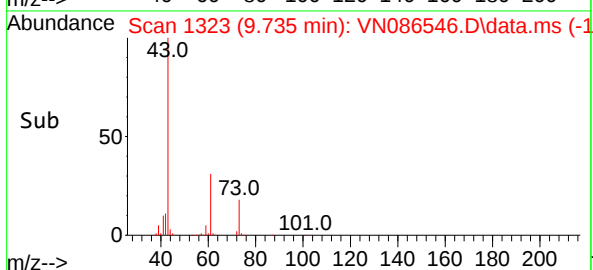
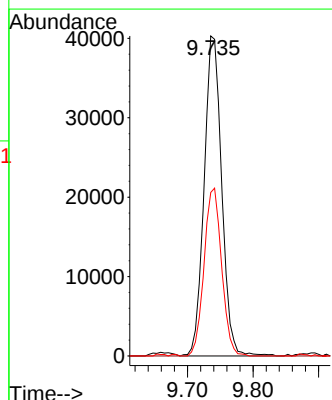
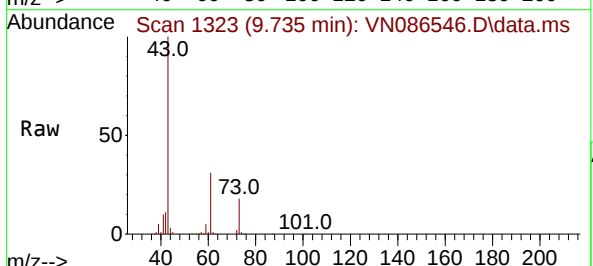
Tgt Ion: 41 Resp: 75377

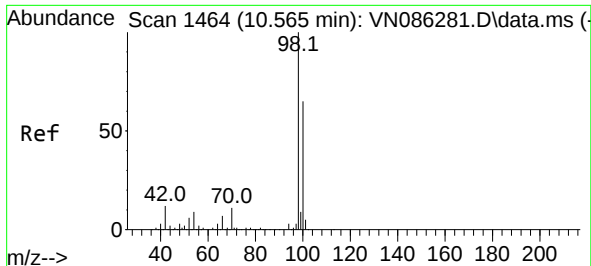
Ion Ratio Lower Upper

41 100

69 0.0 68.2 102.2#

39 52.3 45.2 67.8

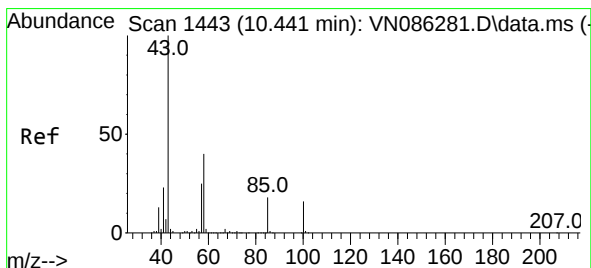
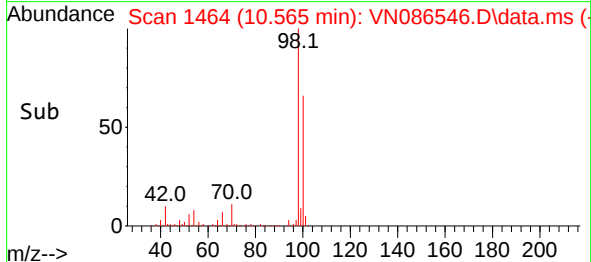
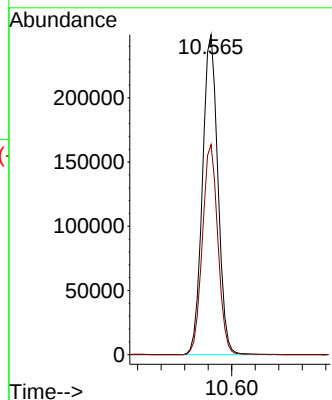
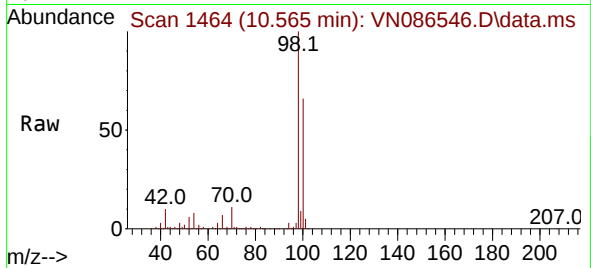




#50
Toluene-d8
Concen: 50.499 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086546.D
Acq: 08 May 2025 15:25

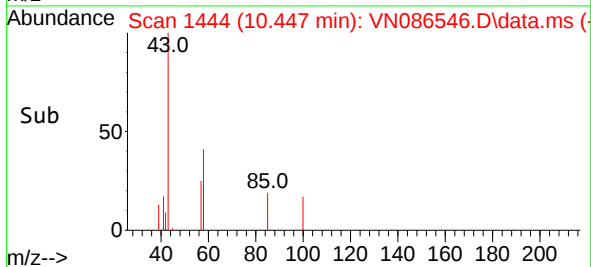
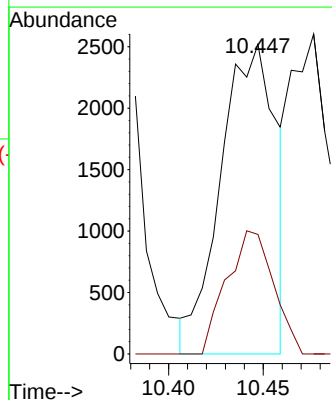
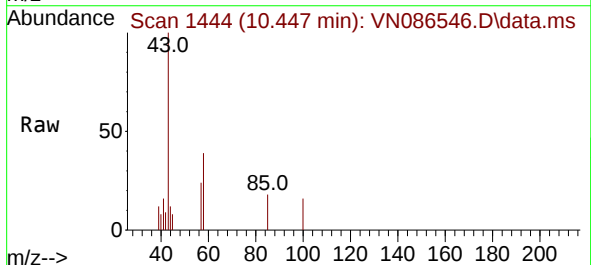
Instrument :
MSVOA_N
ClientSampleId :
PB167895ZHE#04

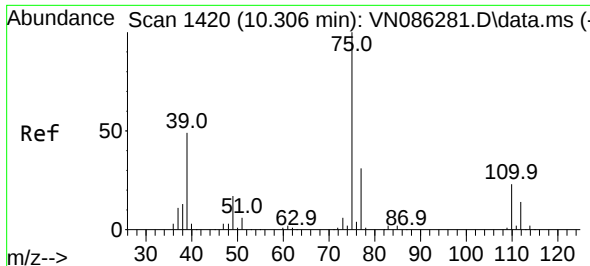
Tgt Ion: 98 Resp: 454744
Ion Ratio Lower Upper
98 100
100 65.9 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.411 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN086546.D
Acq: 08 May 2025 15:25

Tgt Ion: 43 Resp: 5118
Ion Ratio Lower Upper
43 100
58 33.7 32.2 48.4

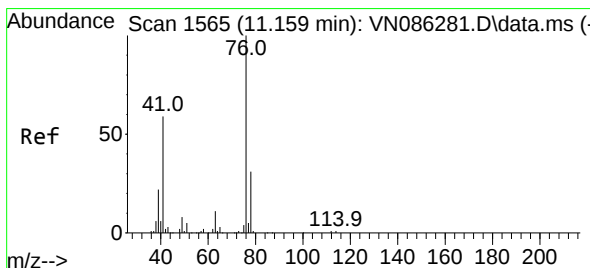
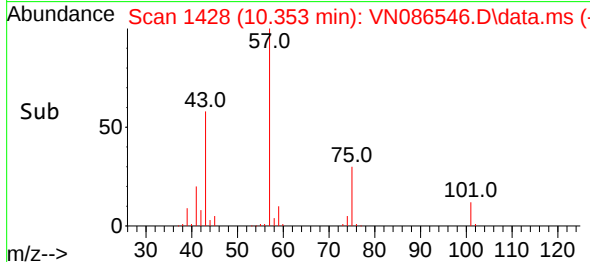
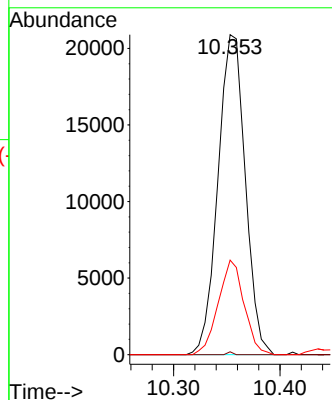
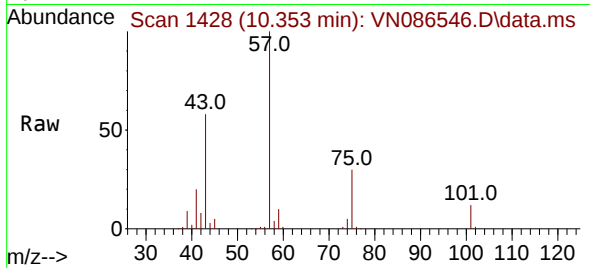




#54
 cis-1,3-Dichloropropene
 Concen: 8.353 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN086546.D
 Acq: 08 May 2025 15:25

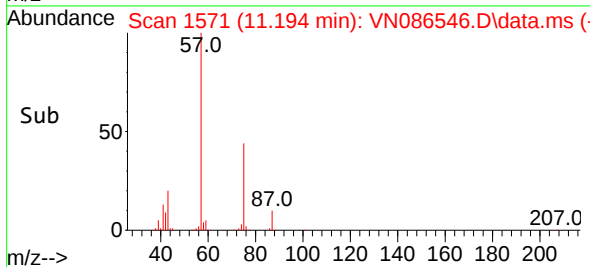
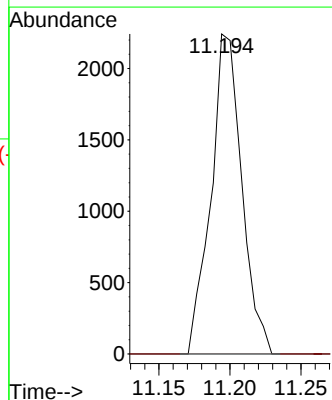
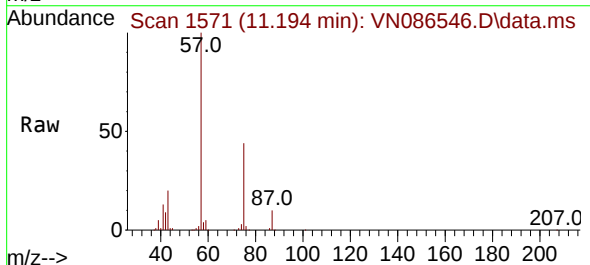
Instrument :
 MSVOA_N
 ClientSampleId :
 PB167895ZHE#04

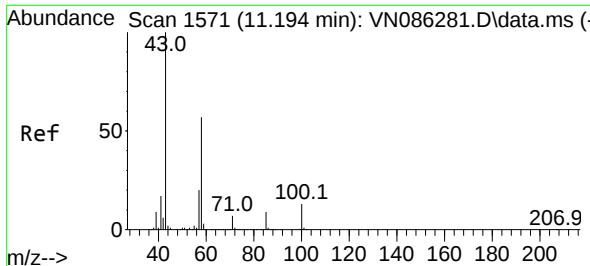
Tgt Ion: 75 Resp: 37199
 Ion Ratio Lower Upper
 75 100
 77 0.9 25.2 37.8#
 39 29.6 39.3 58.9#



#57
 1,3-Dichloropropane
 Concen: 0.789 ug/l
 RT: 11.194 min Scan# 1571
 Delta R.T. 0.035 min
 Lab File: VN086546.D
 Acq: 08 May 2025 15:25

Tgt Ion: 76 Resp: 3388
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#

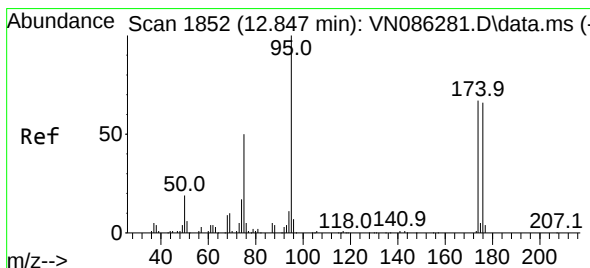
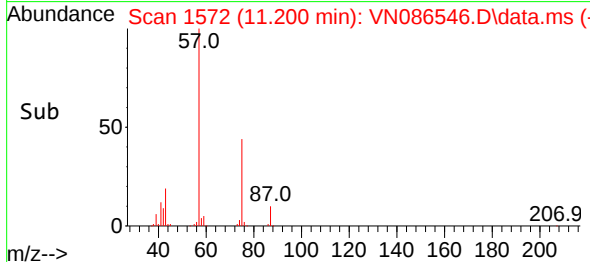
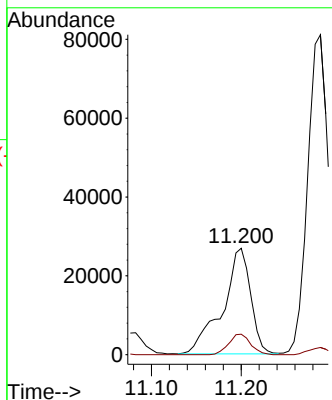
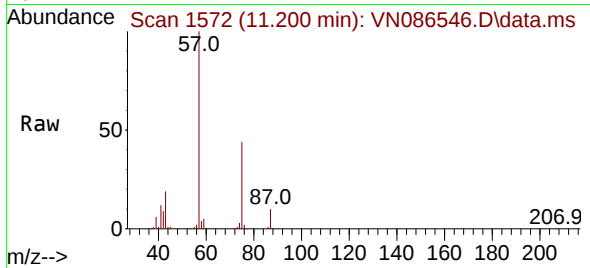




#59
2-Hexanone
Concen: 21.681 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086546.D
Acq: 08 May 2025 15:25

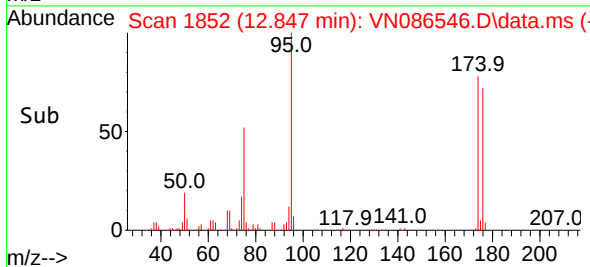
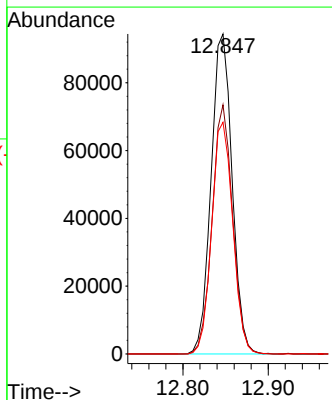
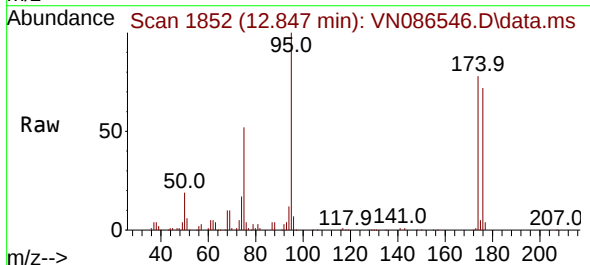
Instrument :
MSVOA_N
ClientSampleId :
PB167895ZHE#04

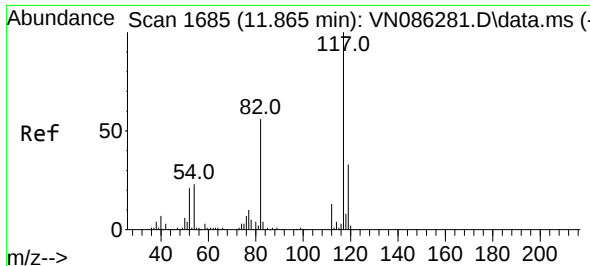
Tgt Ion: 43 Resp: 58346
Ion Ratio Lower Upper
43 100
58 15.1 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: 49.233 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086546.D
Acq: 08 May 2025 15:25

Tgt Ion: 95 Resp: 161707
Ion Ratio Lower Upper
95 100
174 76.0 0.0 133.4
176 72.7 0.0 129.2

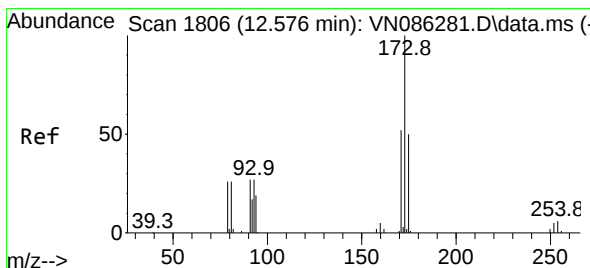
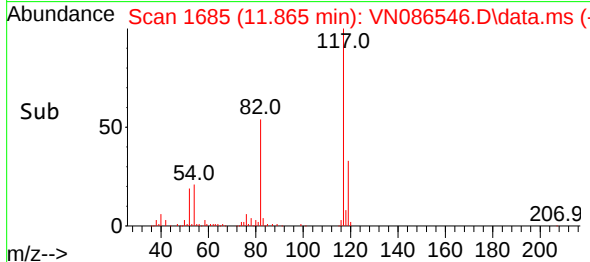
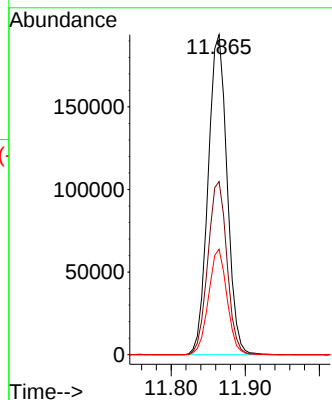
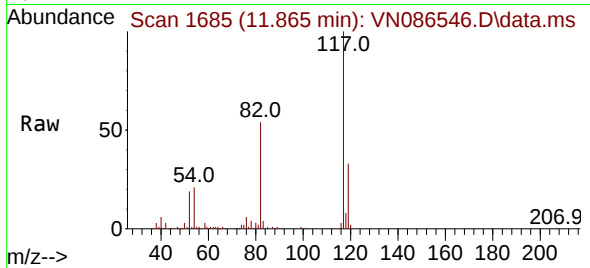




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086546.D
Acq: 08 May 2025 15:25

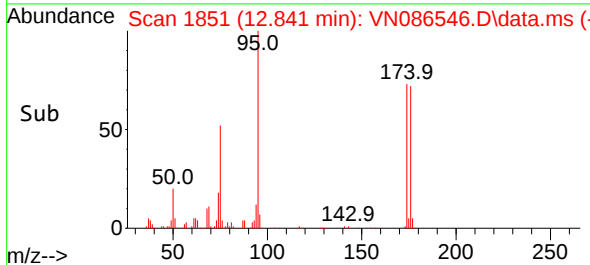
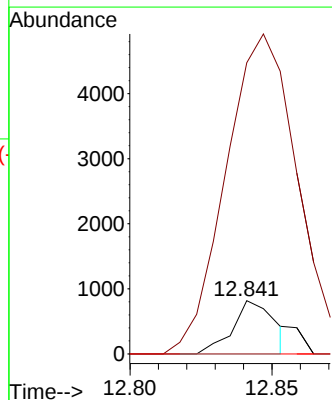
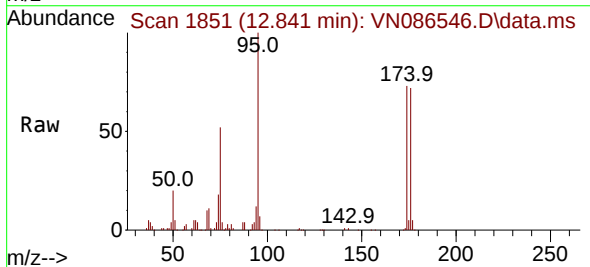
Instrument :
MSVOA_N
ClientSampleId :
PB167895ZHE#04

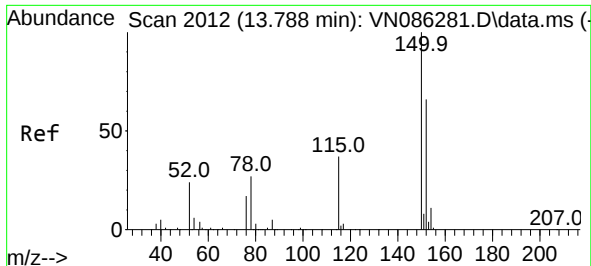
Tgt Ion:117 Resp: 344574
Ion Ratio Lower Upper
117 100
82 54.1 44.7 67.1
119 32.9 26.4 39.6



#71
Bromoform
Concen: 0.439 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN086546.D
Acq: 08 May 2025 15:25

Tgt Ion:173 Resp: 839
Ion Ratio Lower Upper
173 100
175 818.2 24.6 73.6#
254 0.0 0.0 0.0

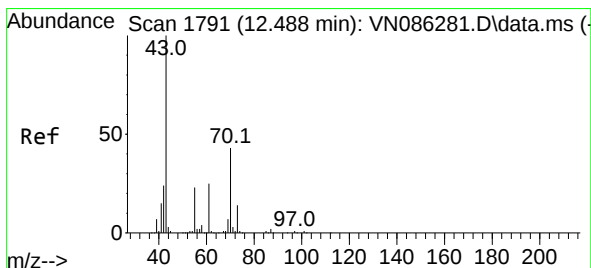
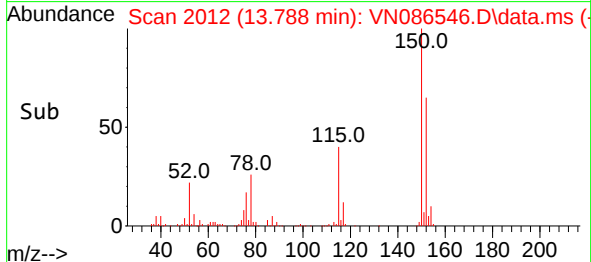
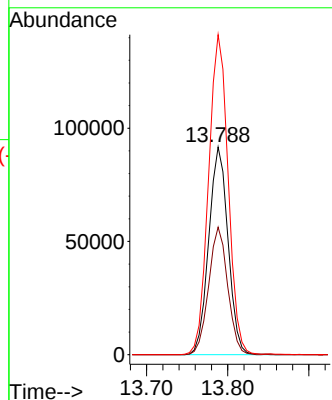
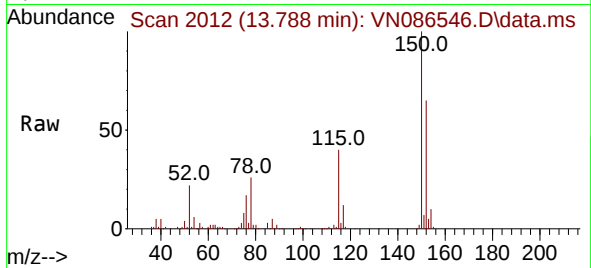




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN086546.D
Acq: 08 May 2025 15:25

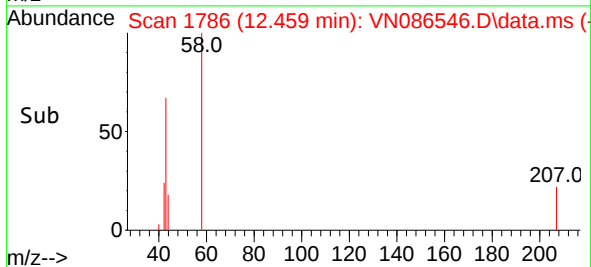
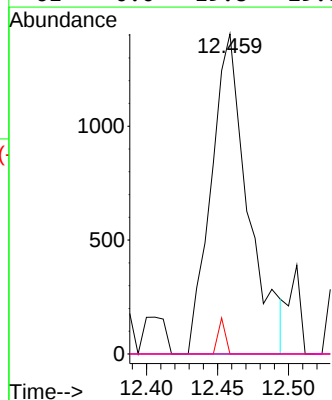
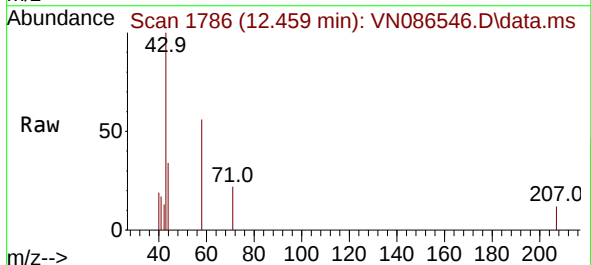
Instrument :
MSVOA_N
ClientSampleId :
PB167895ZHE#04

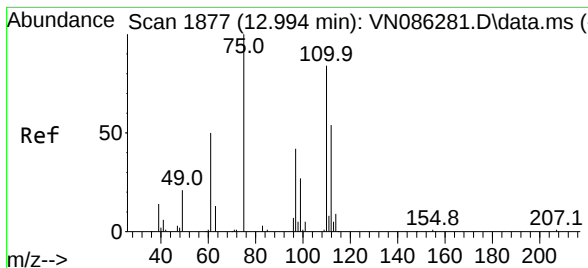
Tgt Ion:152 Resp: 151345
Ion Ratio Lower Upper
152 100
115 60.5 31.9 95.9
150 156.3 0.0 352.0



#74
N-ethyl acetate
Concen: 0.410 ug/l
RT: 12.459 min Scan# 1786
Delta R.T. -0.029 min
Lab File: VN086546.D
Acq: 08 May 2025 15:25

Tgt Ion: 43 Resp: 2525
Ion Ratio Lower Upper
43 100
70 0.0 35.0 52.4#
55 2.2 19.0 28.4#
61 0.0 19.8 29.8#

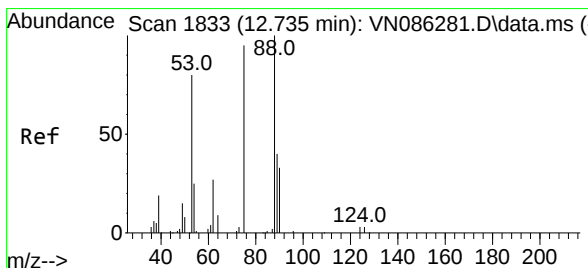
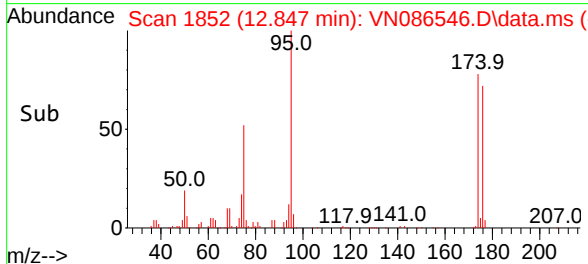
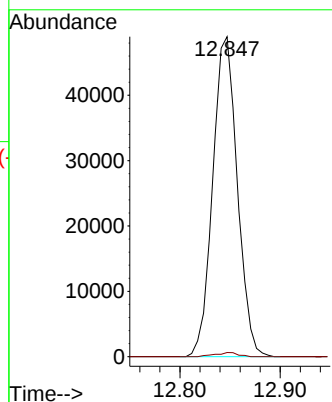
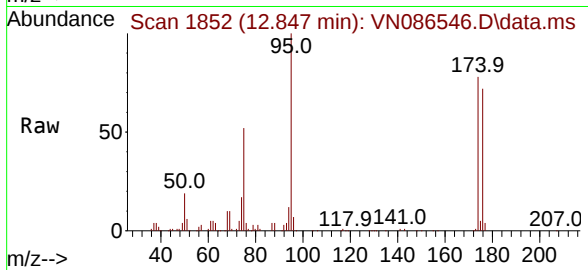




#76
1,2,3-Trichloropropane
Concen: 23.316 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086546.D
Acq: 08 May 2025 15:25

Instrument :
MSVOA_N
ClientSampleId :
PB167895ZHE#04

Tgt Ion: 75 Resp: 83273
Ion Ratio Lower Upper
75 100
77 1.2 98.8 296.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.996 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086546.D
Acq: 08 May 2025 15:25

Tgt Ion: 75 Resp: 83273
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#

