

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
 Data File : VN086514.D
 Acq On : 06 May 2025 14:59
 Operator : JC\MD
 Sample : Q1960-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 72-11933

Quant Time: May 07 02:55:43 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)

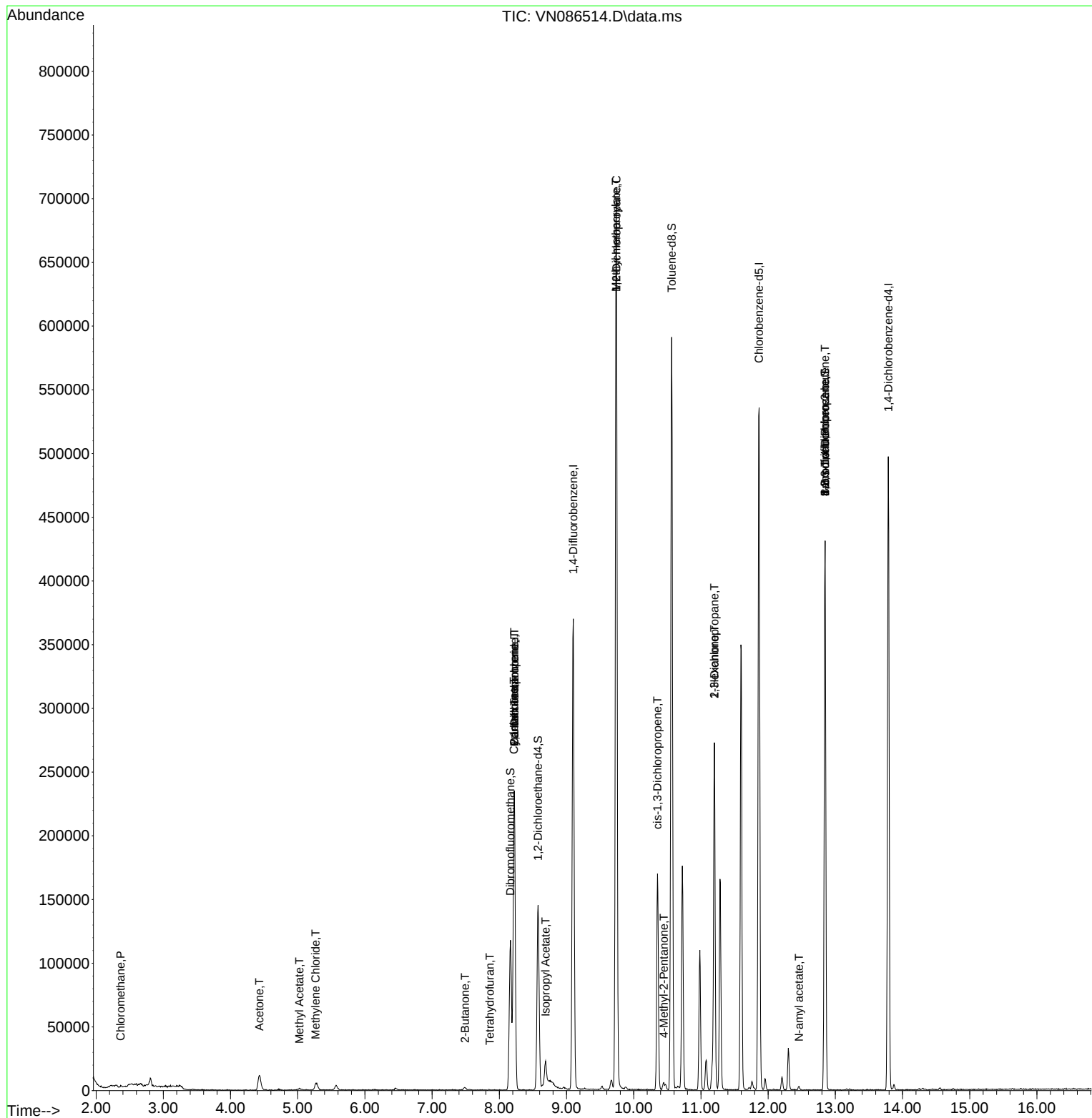
Internal Standards						
1) Pentafluorobenzene	8.224	168	174493	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	325496	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	316105	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	138137	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	121011	47.825	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.640%		
35) Dibromofluoromethane	8.165	113	86167	57.039	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	114.080%		
50) Toluene-d8	10.565	98	420030	52.024	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	104.040%		
62) 4-Bromofluorobenzene	12.847	95	151547	51.462	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	102.920%		
Target Compounds						Qvalue
3) Chloromethane	2.365	50	707	0.235	ug/l	90
16) Acetone	4.430	43	23075	21.153	ug/l	100
18) Methyl Acetate	5.024	43	2783	0.916	ug/l #	69
20) Methylene Chloride	5.265	84	2104	0.899	ug/l #	82
25) 2-Butanone	7.489	43	3909	2.482	ug/l	96
29) Tetrahydrofuran	7.859	42	346	0.329	ug/l #	45
31) Cyclohexane	8.218	56	3960	0.966	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	13806	4.576	ug/l #	50
38) Carbon Tetrachloride	8.224	117	17205	5.988	ug/l #	16
43) Isopropyl Acetate	8.688	43	29593	3.389	ug/l #	82
45) 1,2-Dichloropropane	9.741	63	741	0.313	ug/l #	43
48) Methyl methacrylate	9.735	41	65478	23.472	ug/l #	42
51) 4-Methyl-2-Pentanone	10.447	43	4017	1.235	ug/l	96
54) cis-1,3-Dichloropropene	10.353	75	32326	8.096	ug/l #	57
57) 1,3-Dichloropropane	11.200	76	3006	0.781	ug/l #	43
59) 2-Hexanone	11.200	43	51481	21.337	ug/l #	42
71) Bromoform	12.847	173	716	0.409	ug/l #	1
74) N-amyl acetate	12.459	43	2430	0.432	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	77220	23.688	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	77220	56.891	ug/l #	10

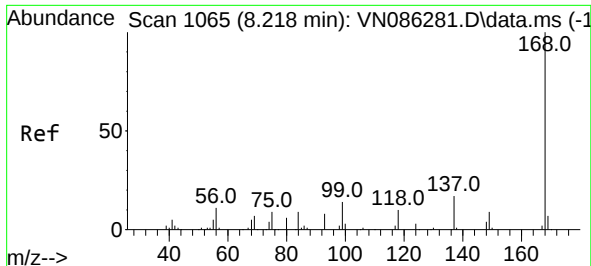
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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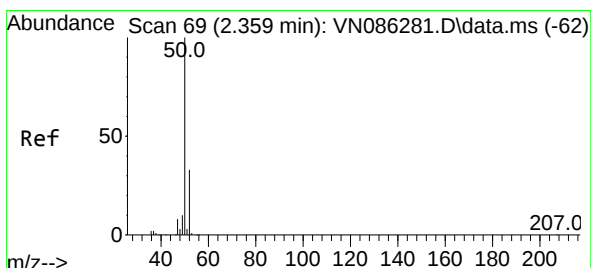
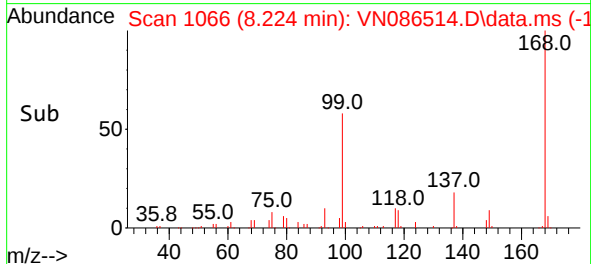
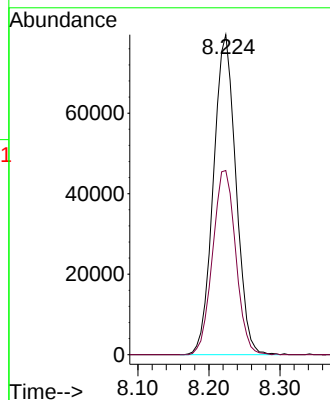
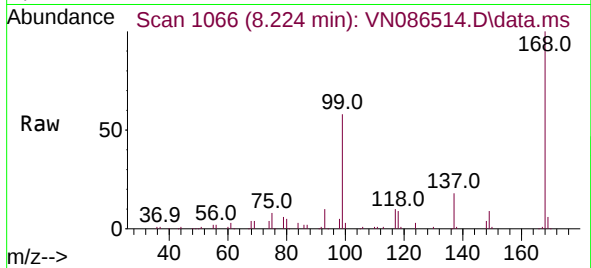




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN086514.D
Acq: 06 May 2025 14:59

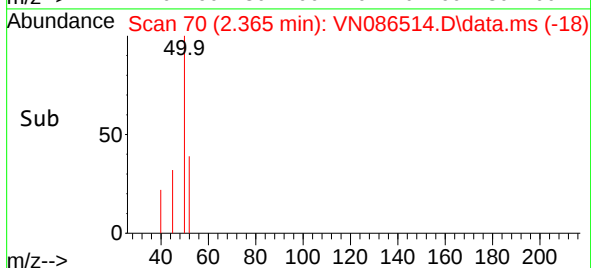
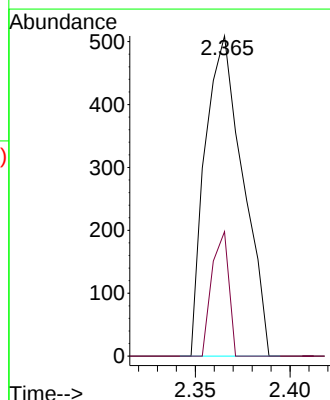
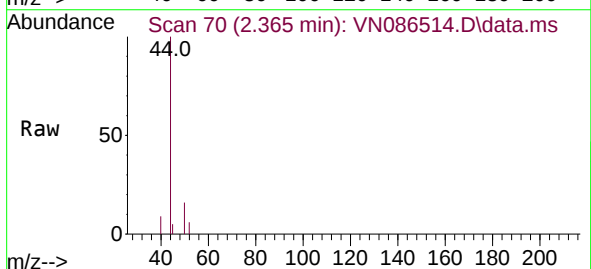
Instrument :
MSVOA_N
ClientSampleId :
72-11933

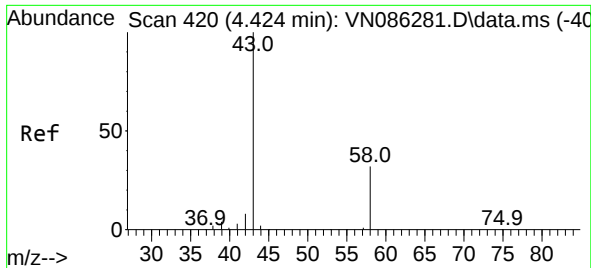
Tgt Ion:168 Resp: 174493
Ion Ratio Lower Upper
168 100
99 57.5 52.5 78.7



#3
Chloromethane
Concen: 0.235 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086514.D
Acq: 06 May 2025 14:59

Tgt Ion: 50 Resp: 707
Ion Ratio Lower Upper
50 100
52 38.9 26.5 39.7

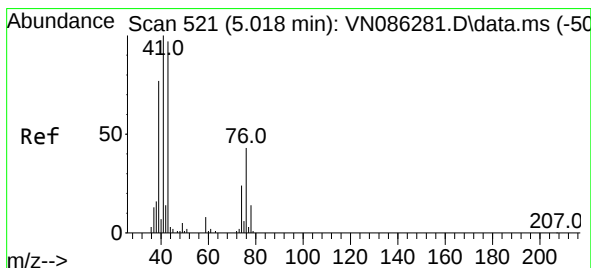
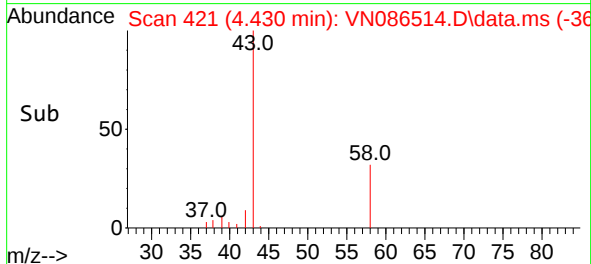
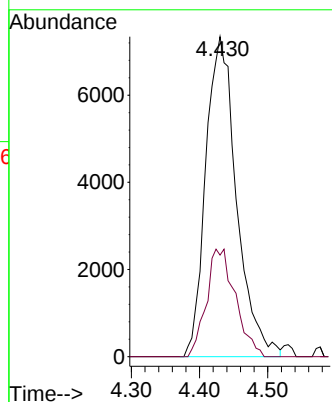
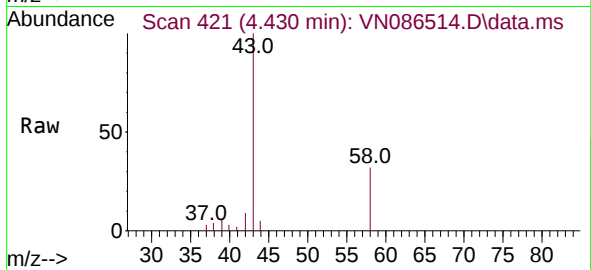




#16
Acetone
Concen: 21.153 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086514.D
Acq: 06 May 2025 14:59

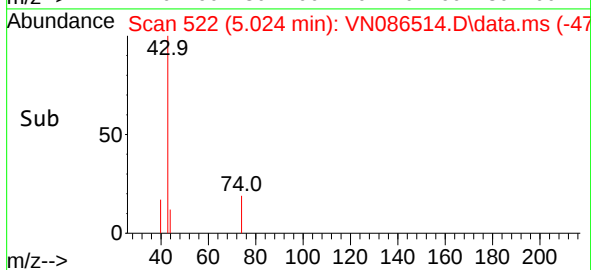
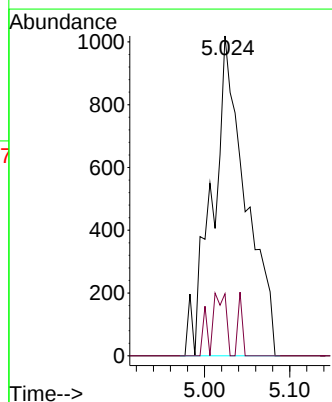
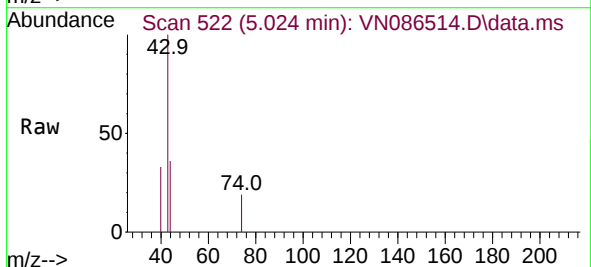
Instrument :
MSVOA_N
ClientSampleId :
72-11933

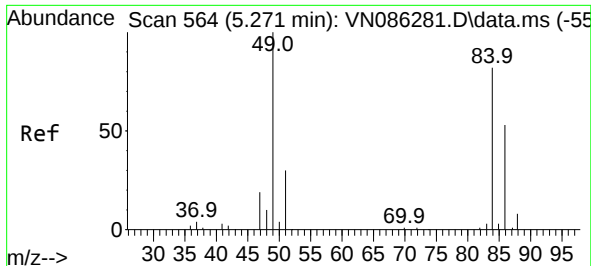
Tgt Ion: 43 Resp: 23075
Ion Ratio Lower Upper
43 100
58 31.7 25.3 37.9



#18
Methyl Acetate
Concen: 0.916 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN086514.D
Acq: 06 May 2025 14:59

Tgt Ion: 43 Resp: 2783
Ion Ratio Lower Upper
43 100
74 9.1 19.8 29.6#

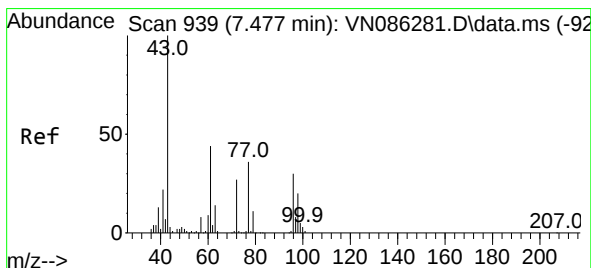
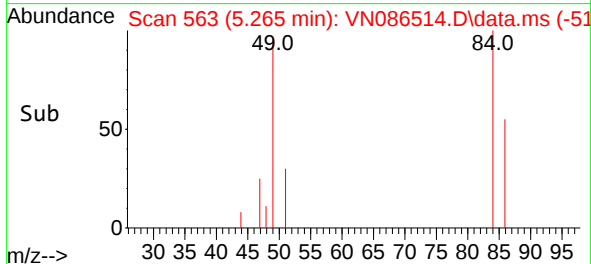
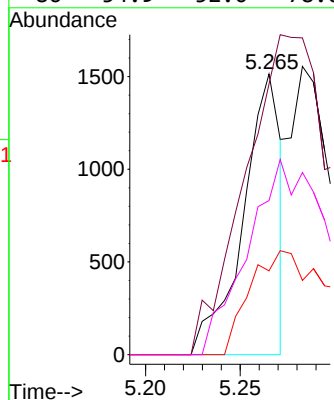
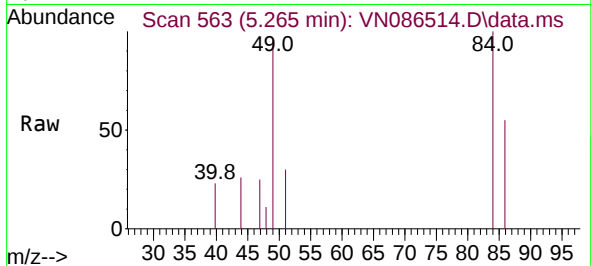




#20
Methylene Chloride
Concen: 0.899 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN086514.D
Acq: 06 May 2025 14:59

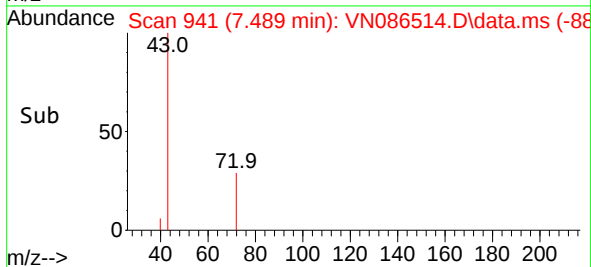
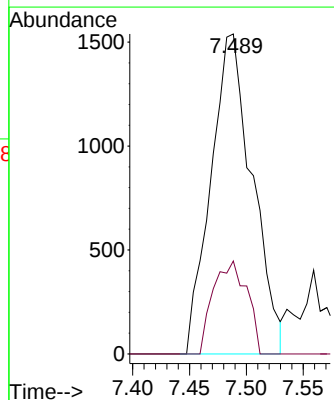
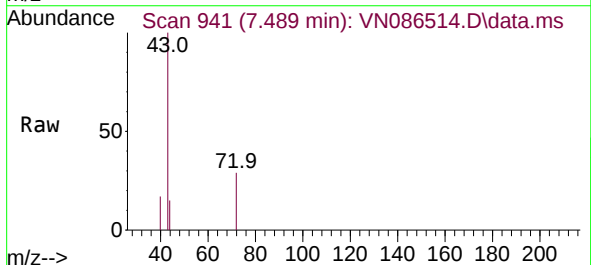
Instrument :
MSVOA_N
ClientSampleId :
72-11933

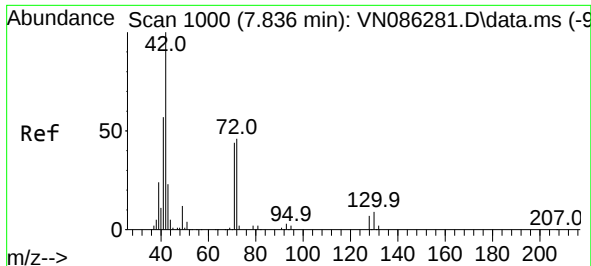
Tgt Ion: 84	Resp: 2104
Ion Ratio	Lower Upper
84 100	
49 96.4	98.2 147.2#
51 29.9	29.8 44.6
86 54.9	52.0 78.0



#25
2-Butanone
Concen: 2.482 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN086514.D
Acq: 06 May 2025 14:59

Tgt Ion: 43	Resp:	3909	
Ion	Ratio	Lower	Upper
43	100		
72	29.0	21.7	32.5





#29

Tetrahydrofuran

Concen: 0.329 ug/l

RT: 7.859 min Scan# 1065

Delta R.T. 0.024 min

Lab File: VN086514.D

Acq: 06 May 2025 14:59

Instrument :

MSVOA_N

ClientSampleId :

72-11933

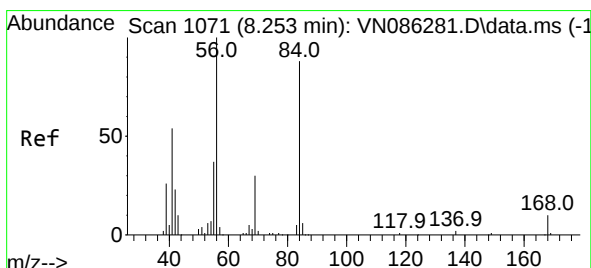
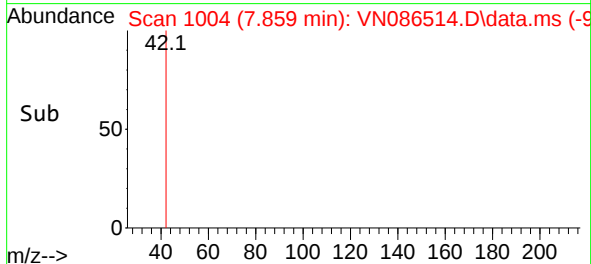
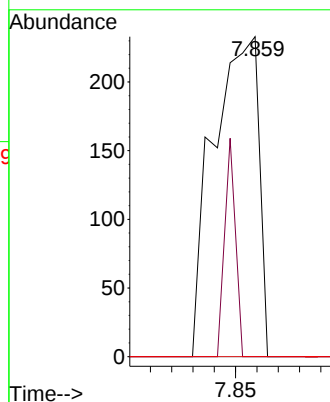
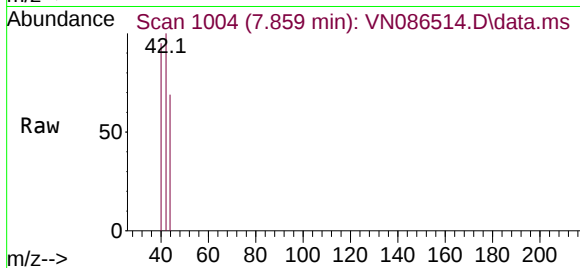
Tgt Ion: 42 Resp: 346

Ion Ratio Lower Upper

42 100

72 16.2 36.2 54.4#

71 0.0 34.0 51.0#



#31

Cyclohexane

Concen: 0.966 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

Lab File: VN086514.D

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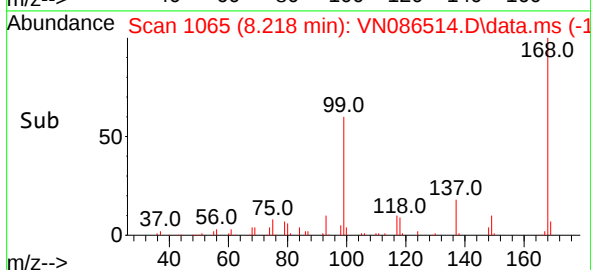
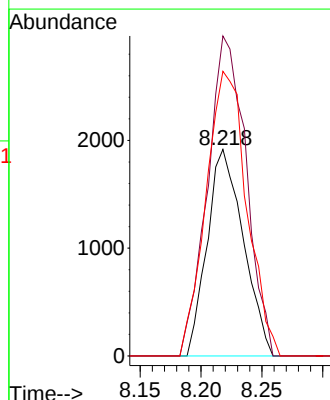
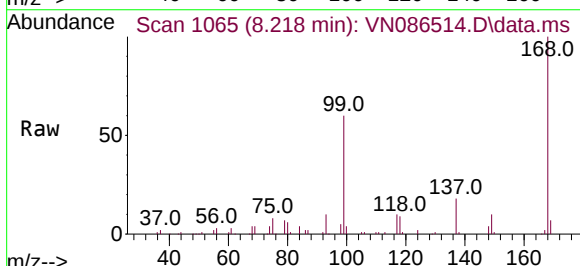
Tgt Ion: 56 Resp: 3960

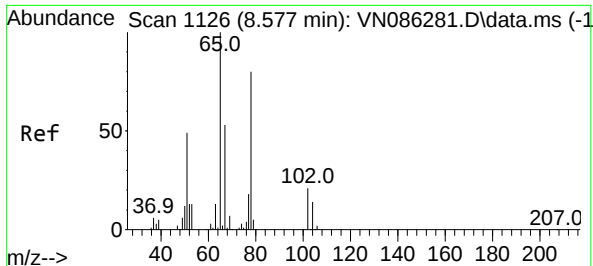
Ion Ratio Lower Upper

56 100

69 155.0 24.2 36.2#

84 137.8 70.3 105.5#





#33

1,2-Dichloroethane-d4

Concen: 47.825 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN086514.D

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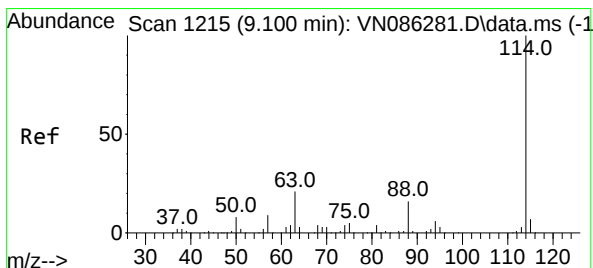
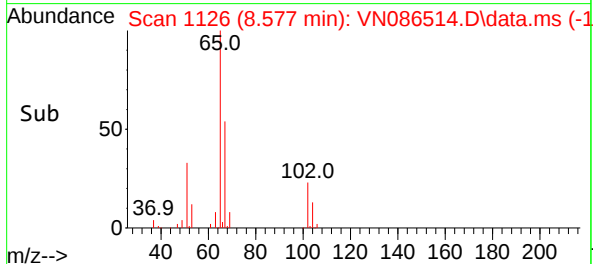
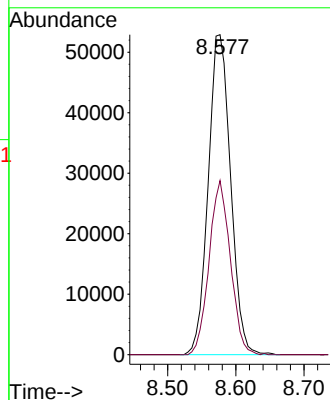
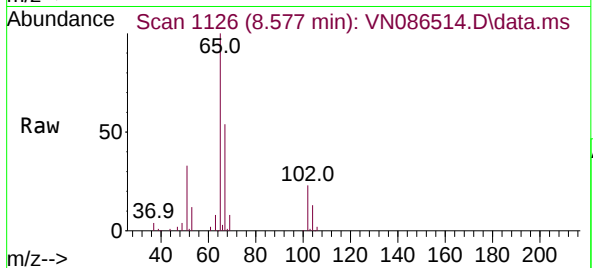
72-11933

Tgt Ion: 65 Resp: 121011

Ion Ratio Lower Upper

65 100

67 51.7 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: VN086514.D

Acq: 06 May 2025 14:59

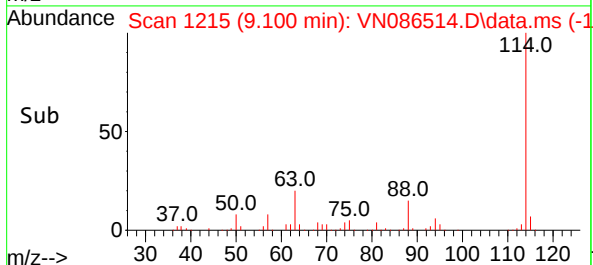
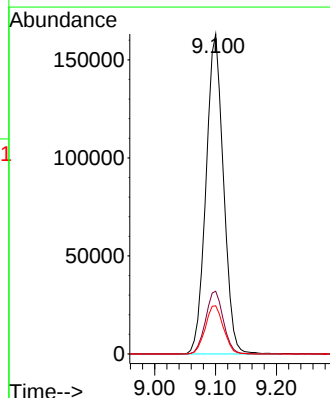
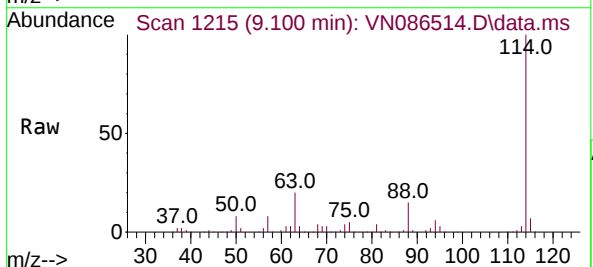
Tgt Ion: 114 Resp: 325496

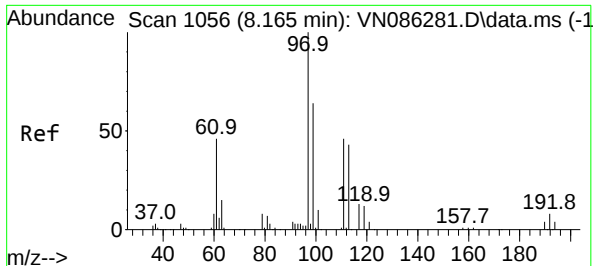
Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.6

88 15.1 0.0 31.8

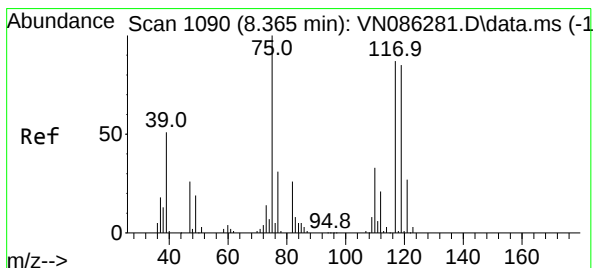
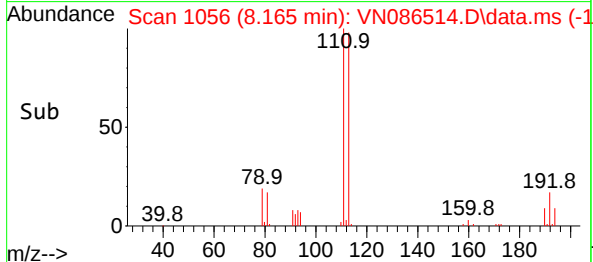
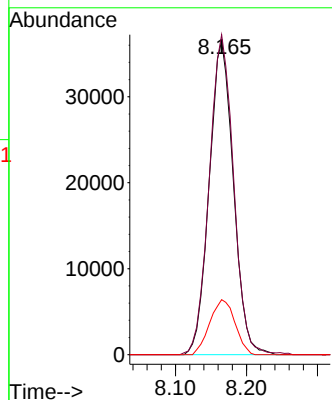
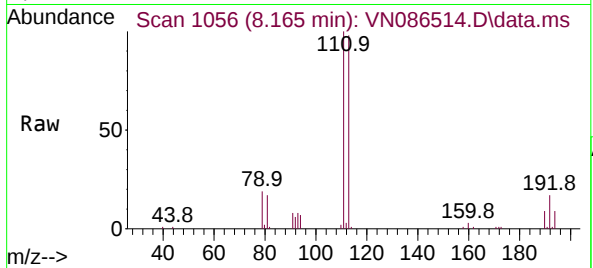




#35
Dibromofluoromethane
Concen: 57.039 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN086514.D
Acq: 06 May 2025 14:59

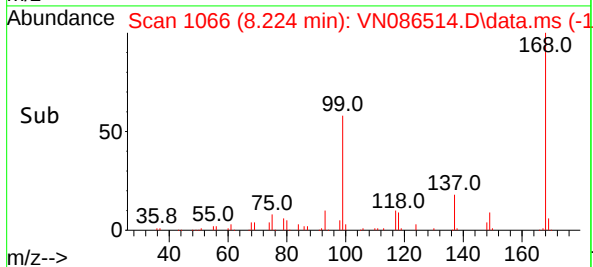
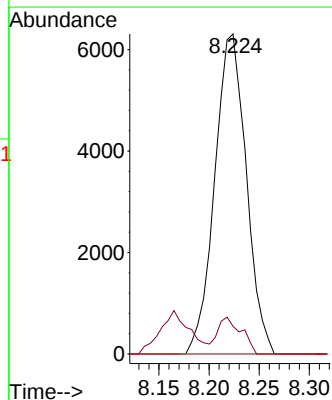
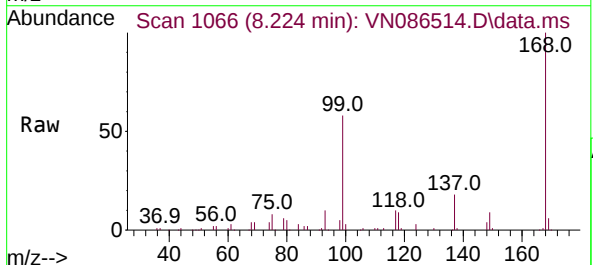
Instrument :
MSVOA_N
ClientSampleId :
72-11933

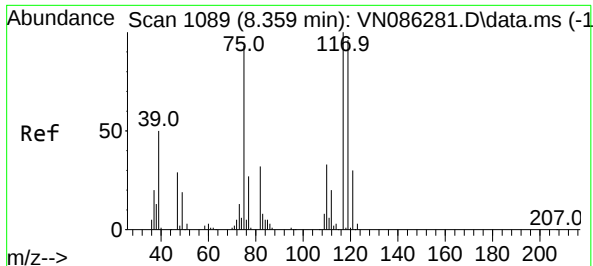
Tgt Ion:113 Resp: 86167
Ion Ratio Lower Upper
113 100
111 102.9 83.4 125.0
192 18.3 13.7 20.5



#36
1,1-Dichloropropene
Concen: 4.576 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN086514.D
Acq: 06 May 2025 14:59

Tgt Ion: 75 Resp: 13806
Ion Ratio Lower Upper
75 100
110 8.6 16.8 50.4#
77 0.0 24.9 37.3#

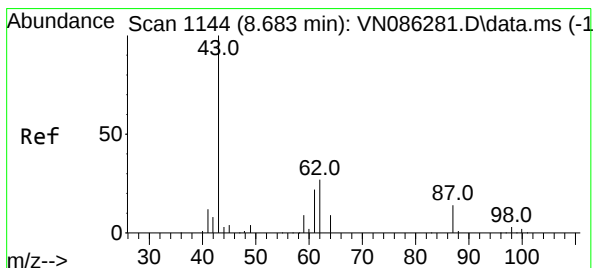
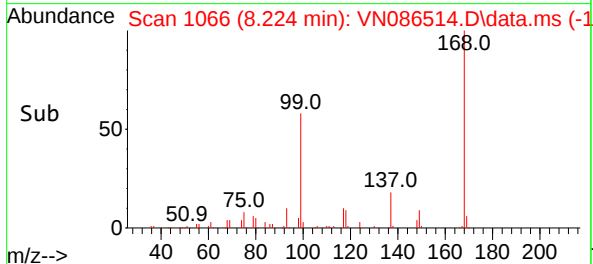
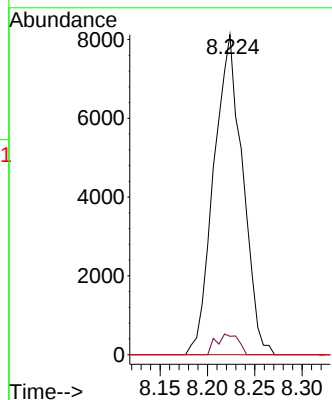
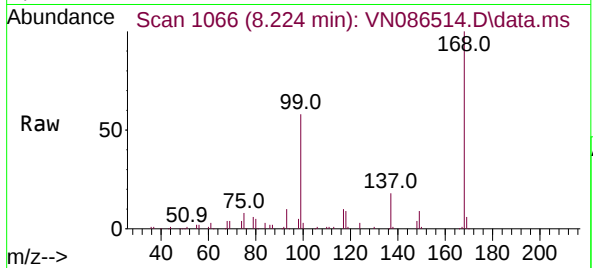




#38
Carbon Tetrachloride
Concen: 5.988 ug/l
RT: 8.224 min Scan# 110
Delta R.T. -0.135 min
Lab File: VN086514.D
Acq: 06 May 2025 14:59

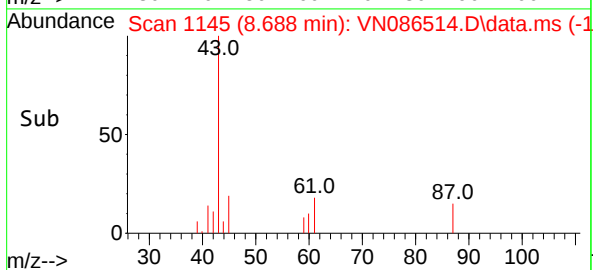
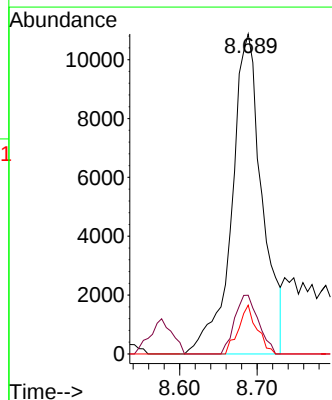
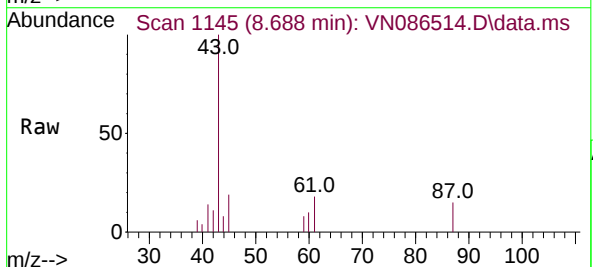
Instrument :
MSVOA_N
ClientSampleId :
72-11933

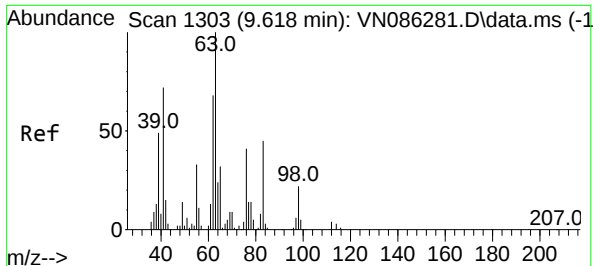
Tgt Ion:117 Resp: 17205
Ion Ratio Lower Upper
117 100
119 5.7 76.8 115.2#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: 3.389 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN086514.D
Acq: 06 May 2025 14:59

Tgt Ion: 43 Resp: 29593
Ion Ratio Lower Upper
43 100
61 14.4 20.5 30.7#
87 9.3 10.5 15.7#





#45

1,2-Dichloropropane

Concen: 0.313 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.124 min

Lab File: VN086514.D

Acq: 06 May 2025 14:59

Instrument :

MSVOA_N

ClientSampleId :

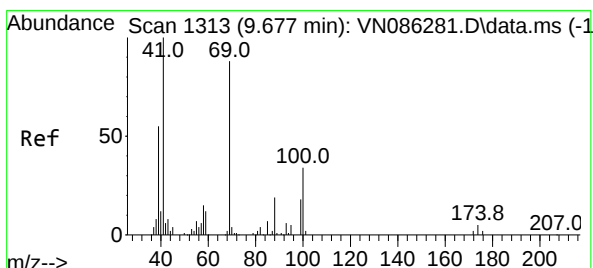
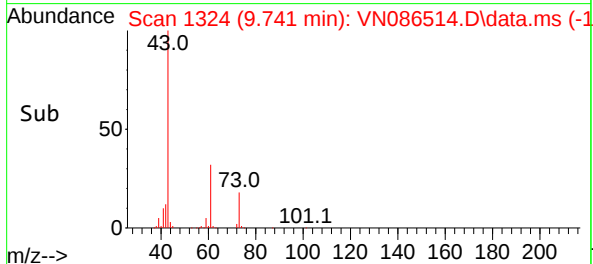
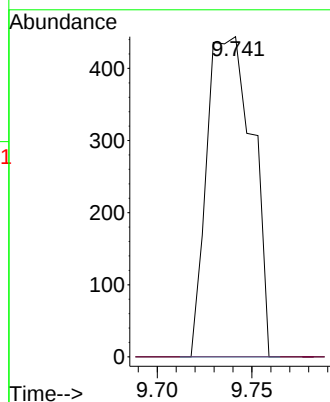
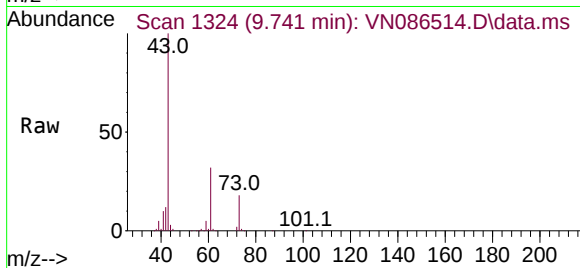
72-11933

Tgt Ion: 63 Resp: 741

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.2#



#48

Methyl methacrylate

Concen: 23.472 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.059 min

Lab File: VN086514.D

Acq: 06 May 2025 14:59

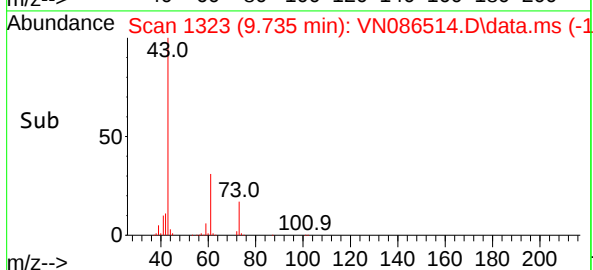
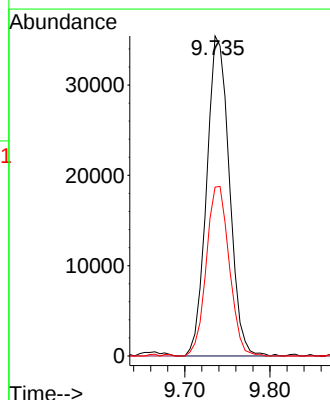
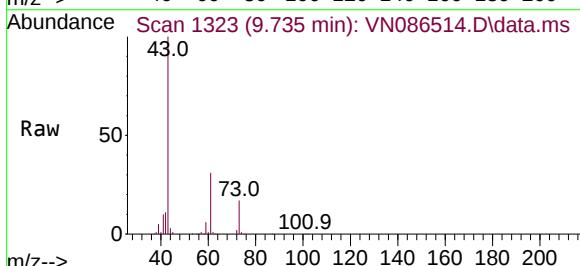
Tgt Ion: 41 Resp: 65478

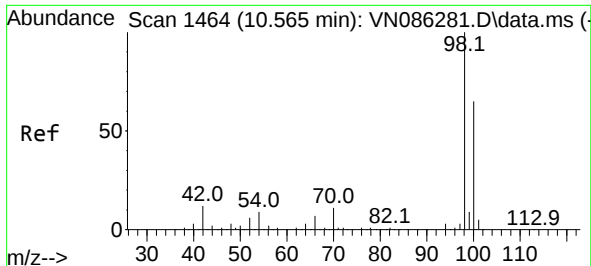
Ion Ratio Lower Upper

41 100

69 0.0 68.2 102.2#

39 53.6 45.2 67.8

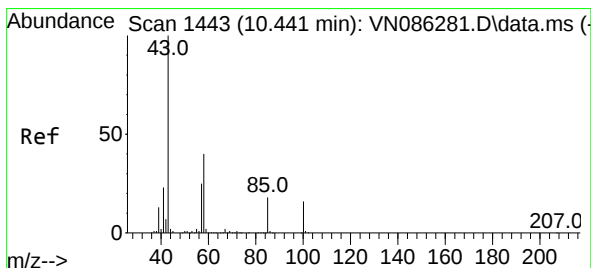
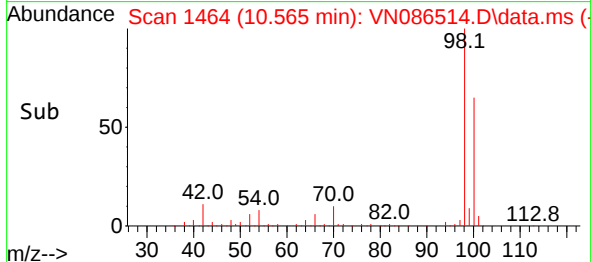
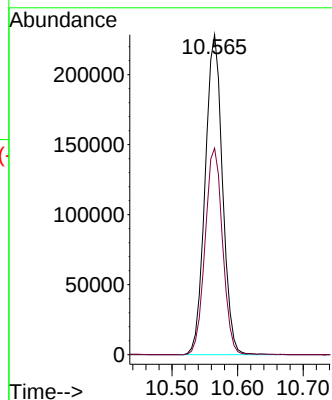
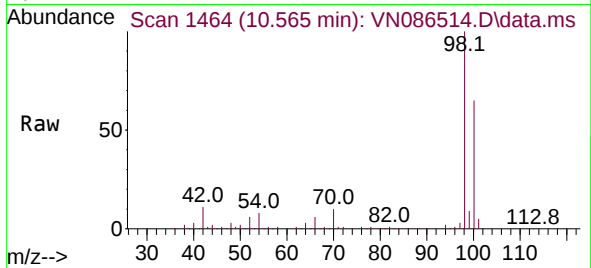




#50
Toluene-d8
Concen: 52.024 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086514.D
Acq: 06 May 2025 14:59

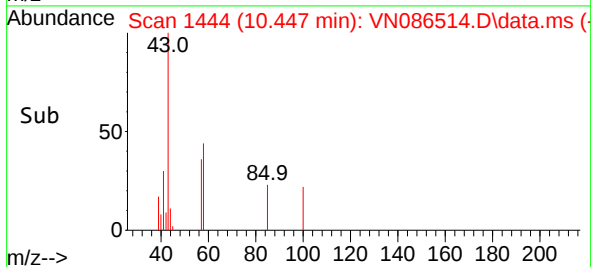
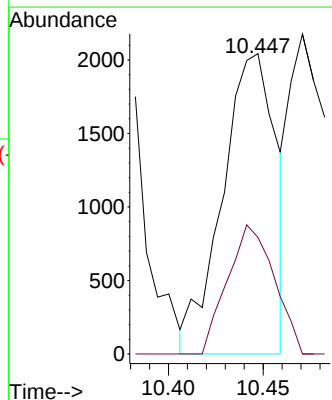
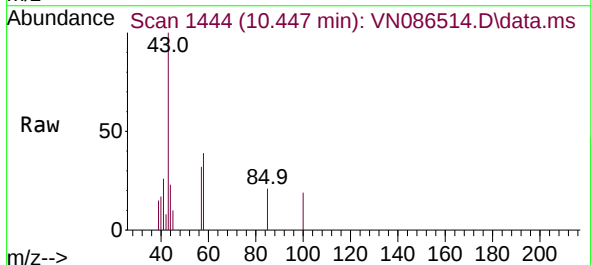
Instrument :
MSVOA_N
ClientSampleId :
72-11933

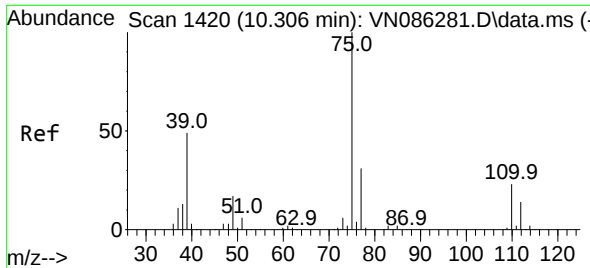
Tgt Ion: 98 Resp: 420030
Ion Ratio Lower Upper
98 100
100 65.0 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.235 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN086514.D
Acq: 06 May 2025 14:59

Tgt Ion: 43 Resp: 4017
Ion Ratio Lower Upper
43 100
58 37.5 32.2 48.4

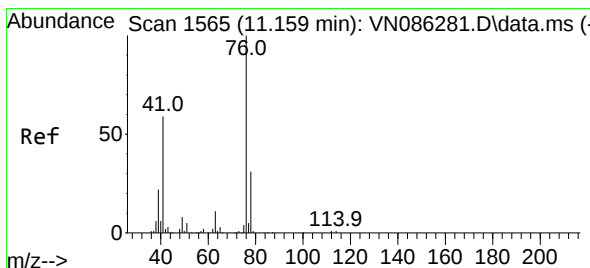
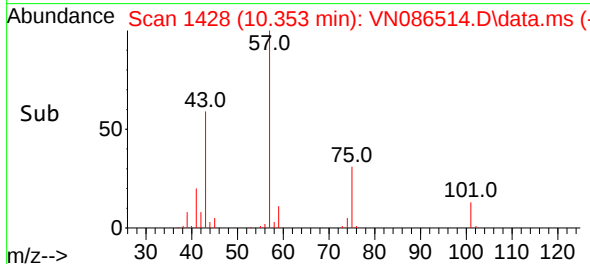
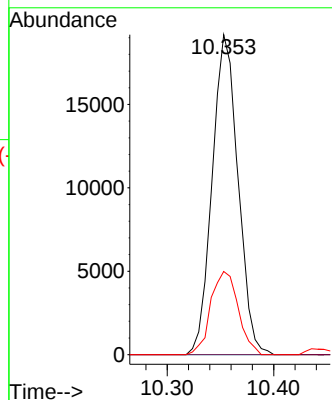
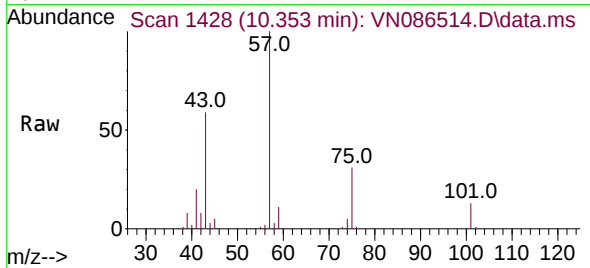




#54
cis-1,3-Dichloropropene
Concen: 8.096 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN086514.D
Acq: 06 May 2025 14:59

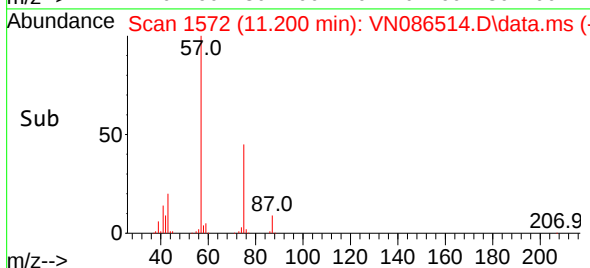
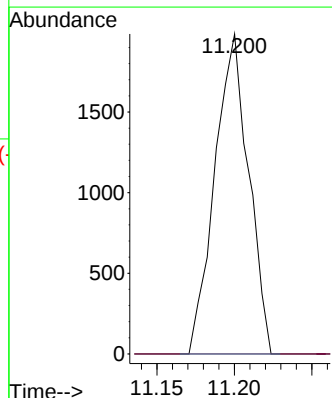
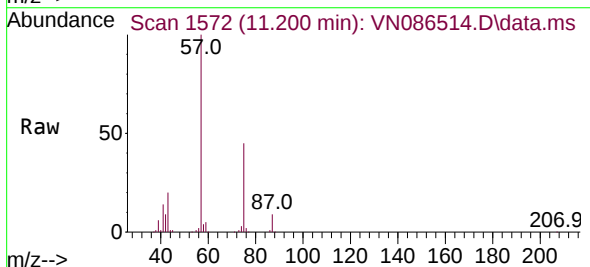
Instrument :
MSVOA_N
ClientSampleId :
72-11933

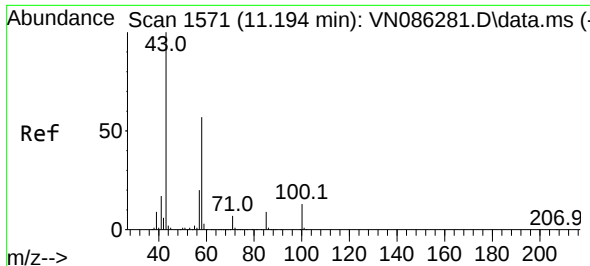
Tgt Ion: 75 Resp: 32326
Ion Ratio Lower Upper
75 100
77 0.0 25.2 37.8#
39 26.0 39.3 58.9#



#57
1,3-Dichloropropane
Concen: 0.781 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN086514.D
Acq: 06 May 2025 14:59

Tgt Ion: 76 Resp: 3006
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

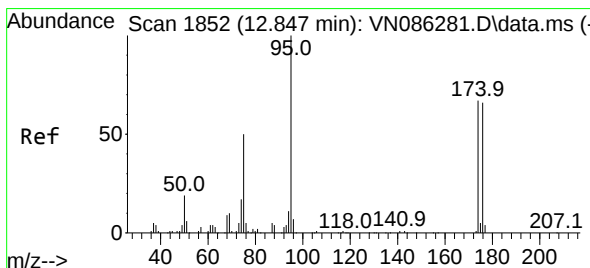
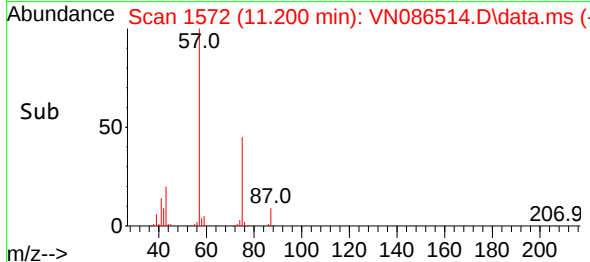
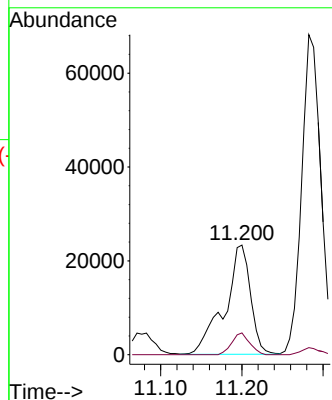
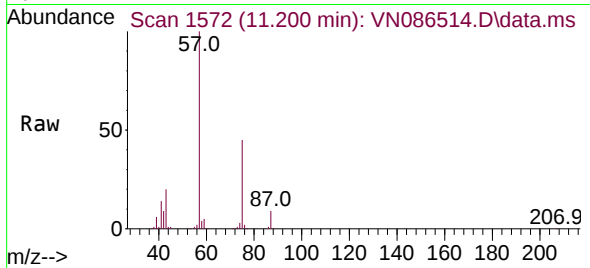




#59
2-Hexanone
Concen: 21.337 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086514.D
Acq: 06 May 2025 14:59

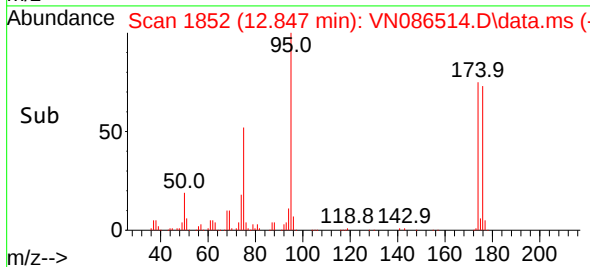
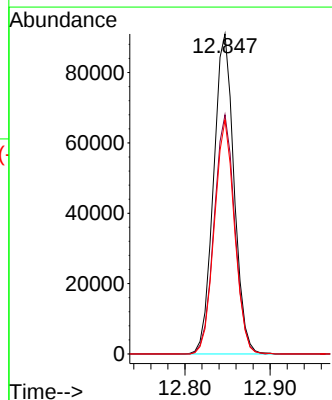
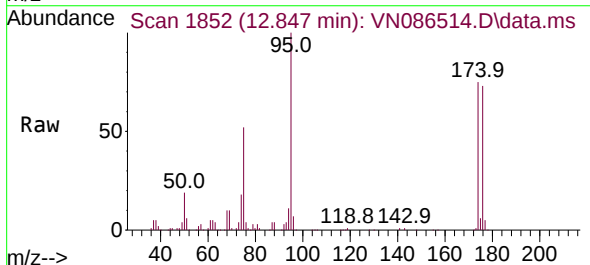
Instrument :
MSVOA_N
ClientSampleId :
72-11933

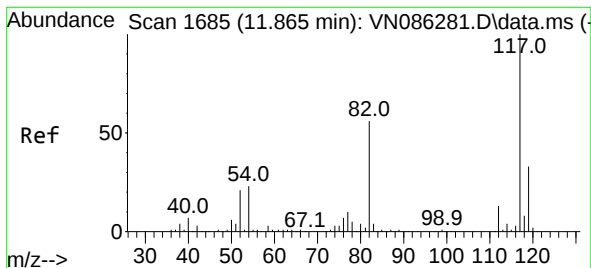
Tgt Ion: 43 Resp: 51481
Ion Ratio Lower Upper
43 100
58 13.8 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: 51.462 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086514.D
Acq: 06 May 2025 14:59

Tgt Ion: 95 Resp: 151547
Ion Ratio Lower Upper
95 100
174 75.1 0.0 133.4
176 71.8 0.0 129.2

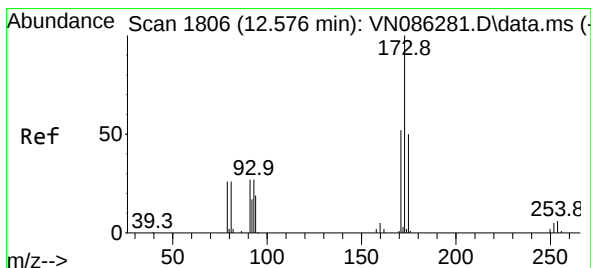
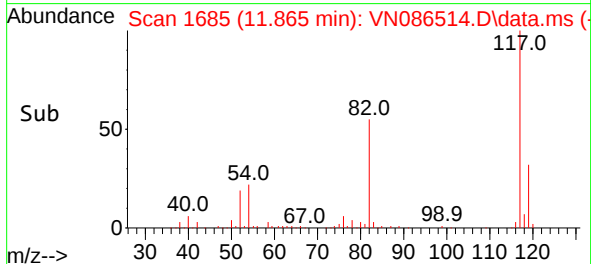
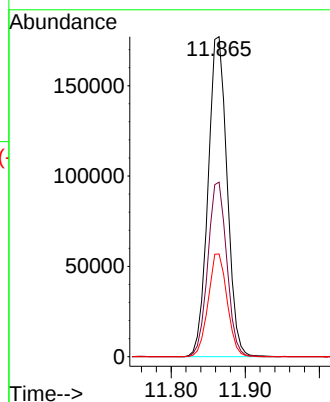
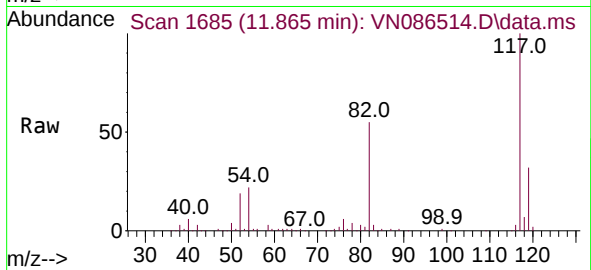




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN086514.D
Acq: 06 May 2025 14:59

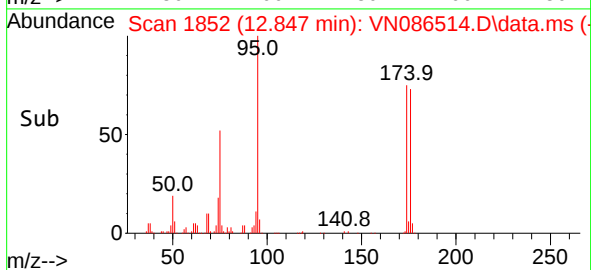
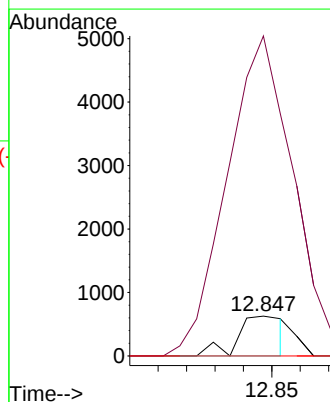
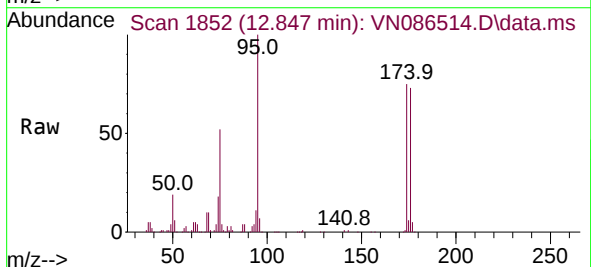
Instrument :
MSVOA_N
ClientSampleId :
72-11933

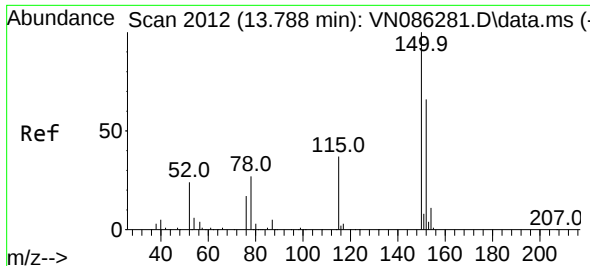
Tgt Ion:117 Resp: 316105
Ion Ratio Lower Upper
117 100
82 54.5 44.7 67.1
119 32.1 26.4 39.6



#71
Bromoform
Concen: 0.409 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN086514.D
Acq: 06 May 2025 14:59

Tgt Ion:173 Resp: 716
Ion Ratio Lower Upper
173 100
175 927.2 24.6 73.6#
254 0.0 0.0 0.0

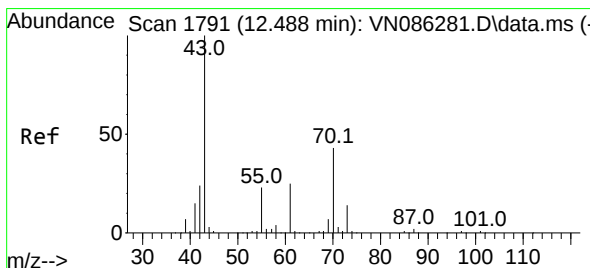
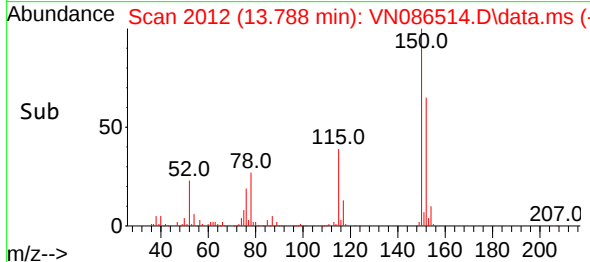
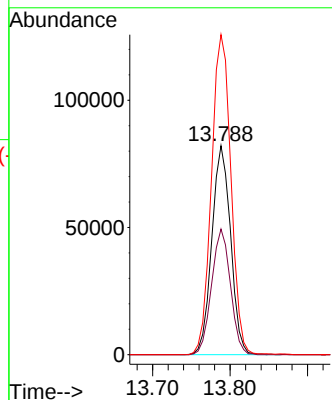
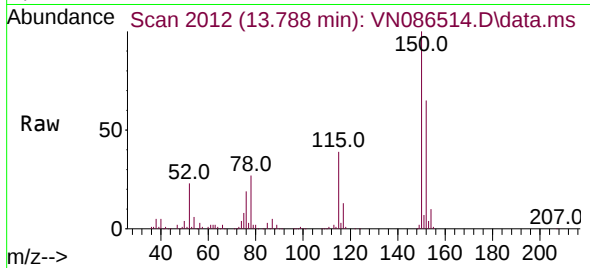




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN086514.D
Acq: 06 May 2025 14:59

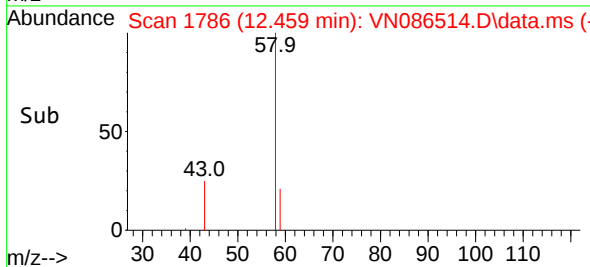
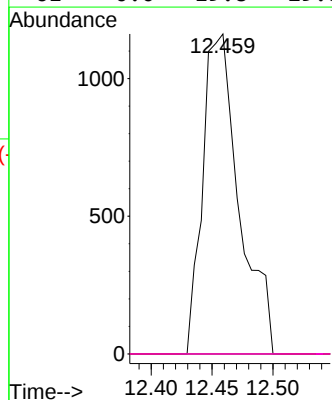
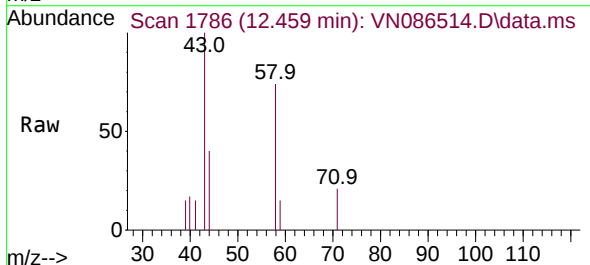
Instrument :
MSVOA_N
ClientSampleId :
72-11933

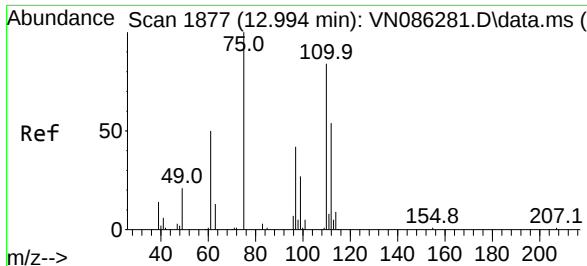
Tgt Ion:152 Resp: 138137
Ion Ratio Lower Upper
152 100
115 60.3 31.9 95.9
150 158.8 0.0 352.0



#74
N-ethyl acetate
Concen: 0.432 ug/l
RT: 12.459 min Scan# 1786
Delta R.T. -0.029 min
Lab File: VN086514.D
Acq: 06 May 2025 14:59

Tgt Ion: 43 Resp: 2430
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#

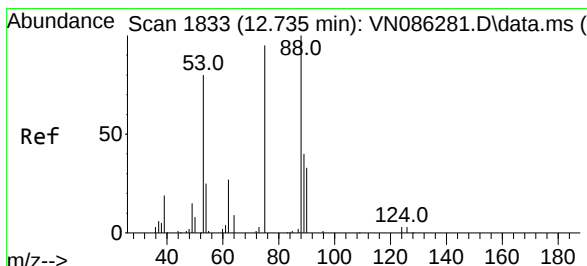
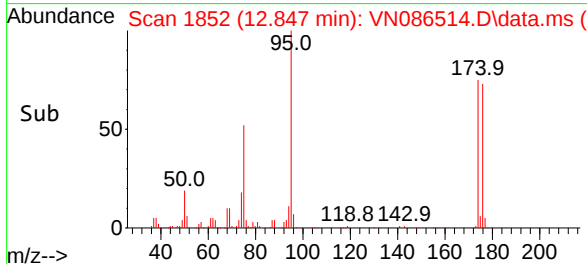
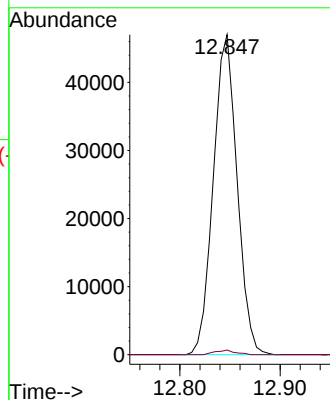
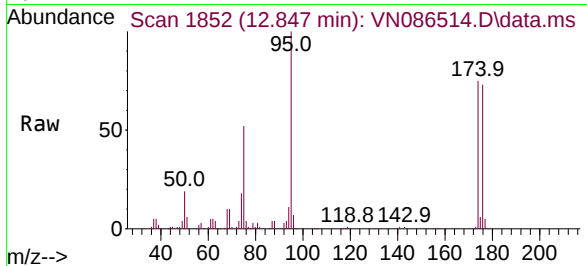




#76
1,2,3-Trichloropropane
Concen: 23.688 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086514.D
Acq: 06 May 2025 14:59

Instrument :
MSVOA_N
ClientSampleId :
72-11933

Tgt Ion: 75 Resp: 77220
Ion Ratio Lower Upper
75 100
77 1.2 98.8 296.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.891 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086514.D
Acq: 06 May 2025 14:59

Tgt Ion: 75 Resp: 77220
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#

