

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062025\
 Data File : VN087132.D
 Acq On : 20 Jun 2025 12:44
 Operator : JC\MD
 Sample : Q2362-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP-6

Quant Time: Jun 20 23:04:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	195844	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	388591	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	352130	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	166973	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	136410	52.023	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.040%	
35) Dibromofluoromethane	8.171	113	118252	51.350	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.700%	
50) Toluene-d8	10.565	98	479750	52.624	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.240%	
62) 4-Bromofluorobenzene	12.847	95	171364	50.594	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 101.180%	

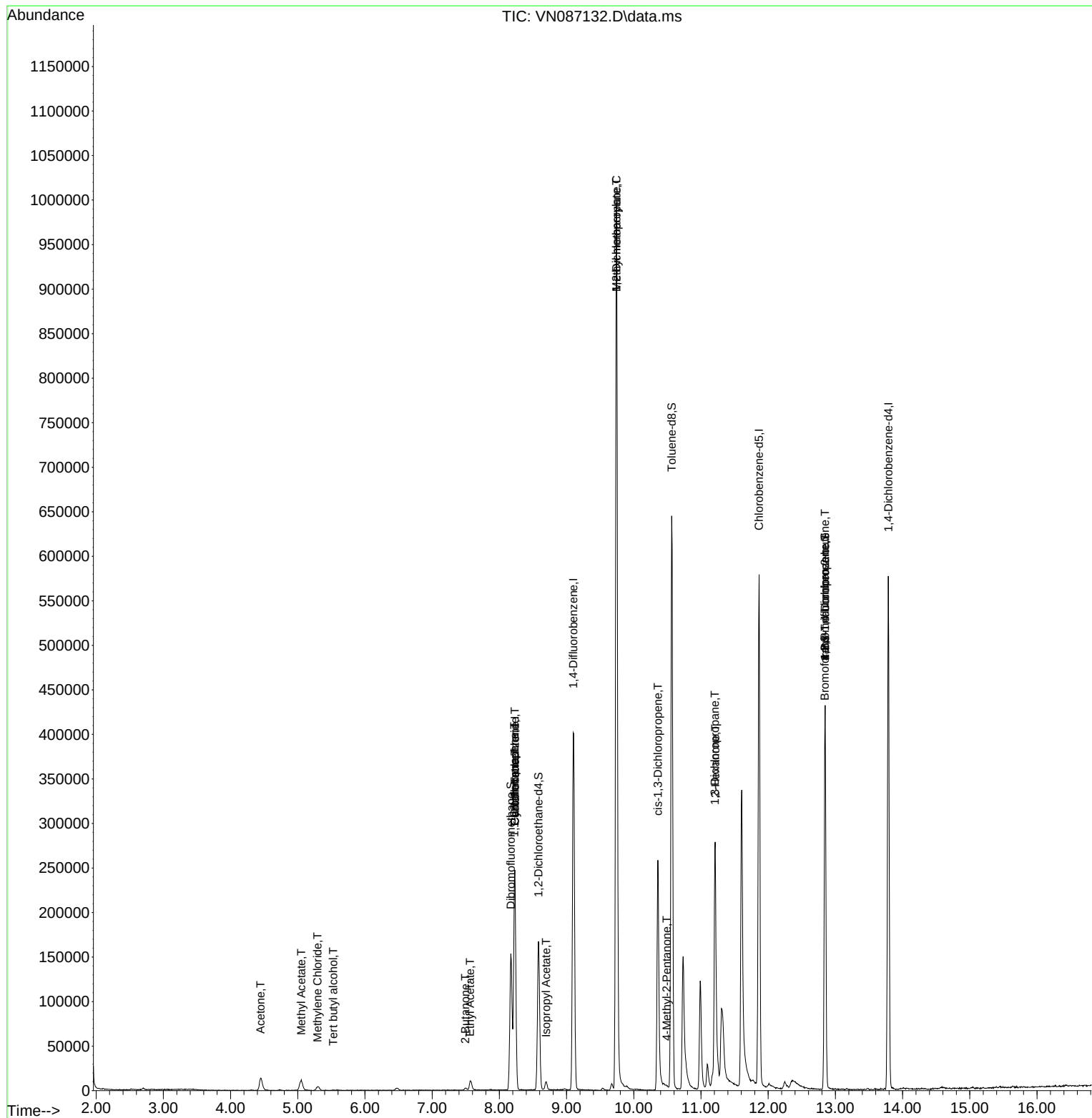
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.530	59	560	0.787	ug/l #	73
16) Acetone	4.447	43	28355	20.391	ug/l	98
18) Methyl Acetate	5.053	43	24697	6.095	ug/l	96
20) Methylene Chloride	5.295	84	3998	1.536	ug/l #	92
25) 2-Butanone	7.494	43	4485	1.984	ug/l	99
31) Cyclohexane	8.230	56	3383	0.795	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	14807	4.315	ug/l #	48
37) Ethyl Acetate	7.565	43	16984	3.888	ug/l	98
38) Carbon Tetrachloride	8.230	117	19448	5.773	ug/l #	16
43) Isopropyl Acetate	8.694	43	10944	1.561	ug/l	94
45) 1,2-Dichloropropane	9.741	63	1401	0.513	ug/l #	43
48) Methyl methacrylate	9.741	41	85178	26.395	ug/l #	34
51) 4-Methyl-2-Pentanone	10.488	43	3370	0.798	ug/l #	33
54) cis-1,3-Dichloropropene	10.359	75	61874	13.862	ug/l #	56
57) 1,3-Dichloropropane	11.206	76	4325	0.945	ug/l #	43
59) 2-Hexanone	11.212	43	42760	15.728	ug/l #	53
71) Bromoform	12.841	173	937	0.507	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	78172	19.696	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	78172	45.338	ug/l #	16

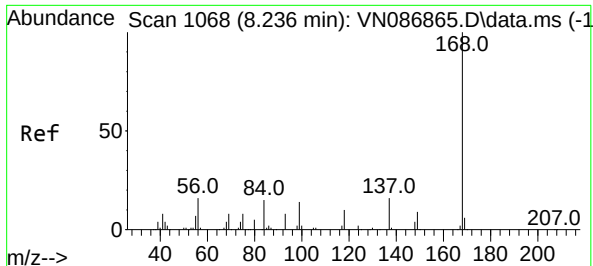
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

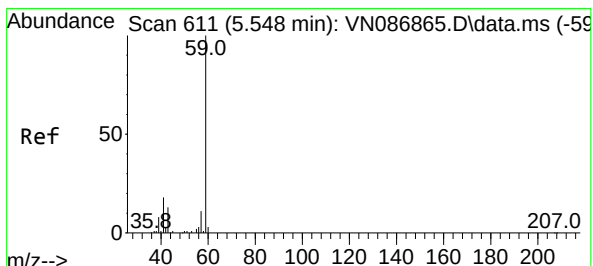
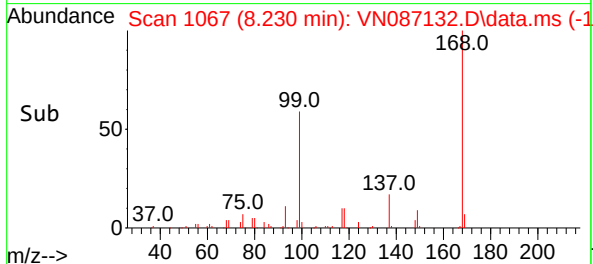
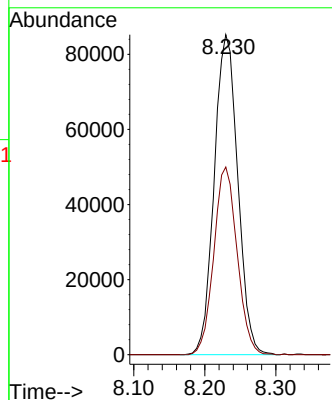
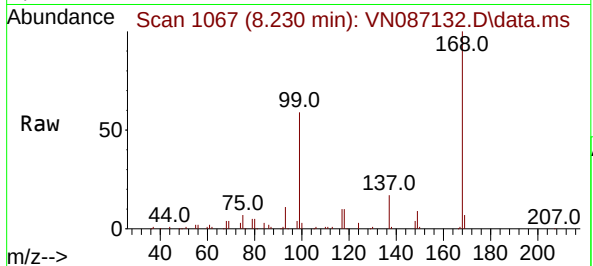




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087132.D
Acq: 20 Jun 2025 12:44

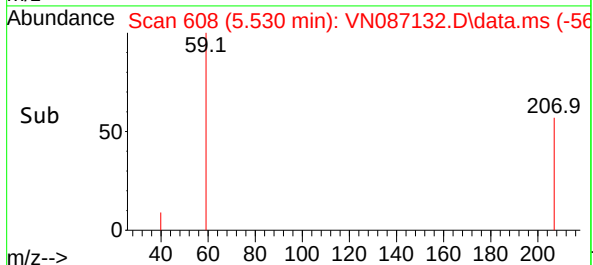
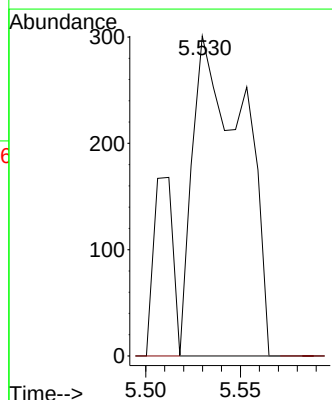
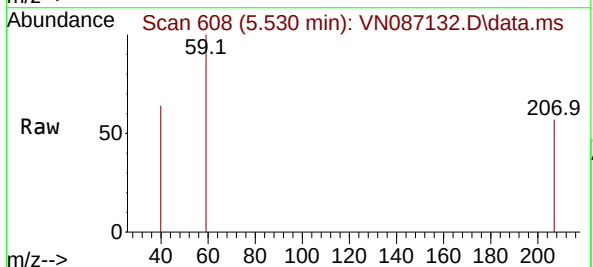
Instrument :
MSVOA_N
ClientSampleId :
EP-6

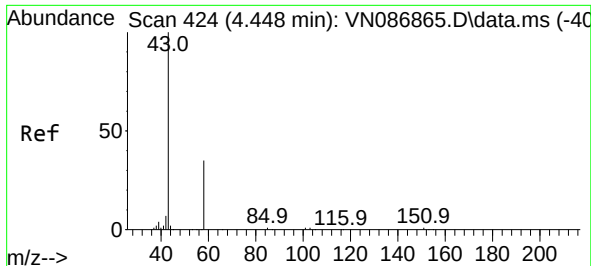
Tgt Ion:168 Resp: 195844
Ion Ratio Lower Upper
168 100
99 58.7 49.1 73.7



#11
Tert butyl alcohol
Concen: 0.787 ug/l
RT: 5.530 min Scan# 608
Delta R.T. -0.018 min
Lab File: VN087132.D
Acq: 20 Jun 2025 12:44

Tgt Ion: 59 Resp: 560
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

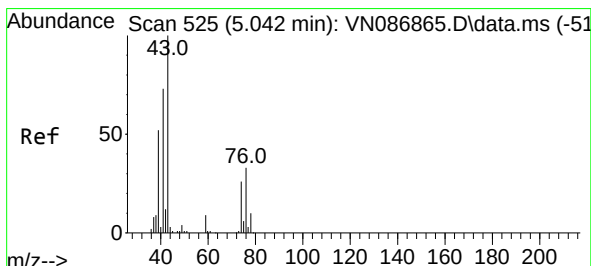
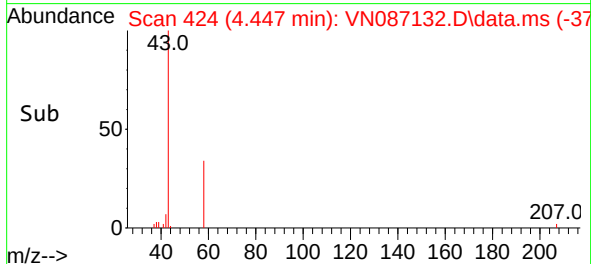
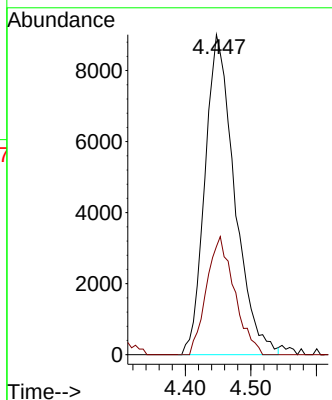
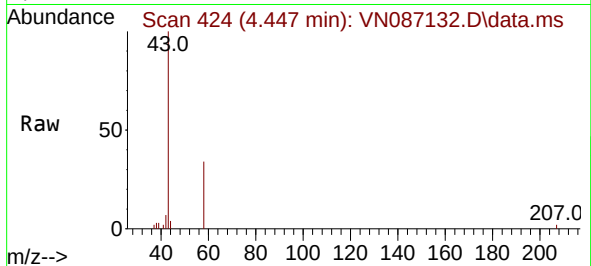




#16
Acetone
Concen: 20.391 ug/l
RT: 4.447 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN087132.D
Acq: 20 Jun 2025 12:44

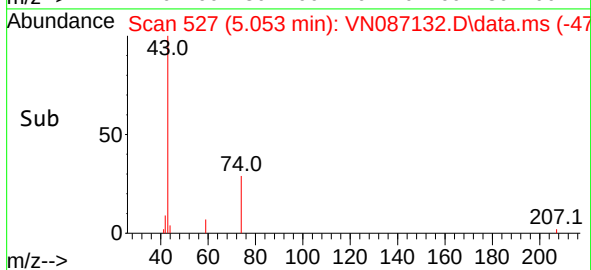
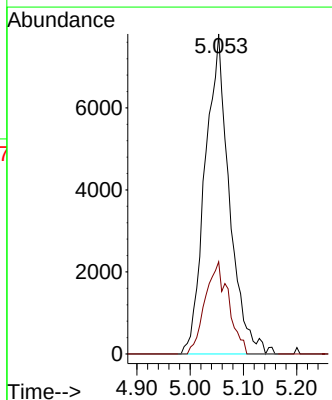
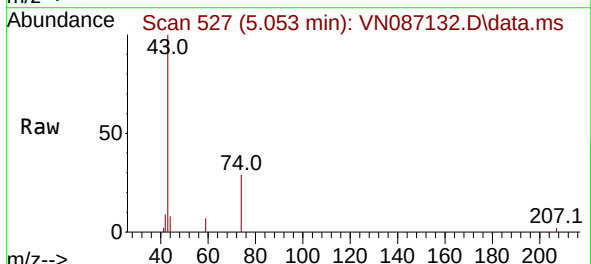
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MSVOA_N
ClientSampleId :
EP-6

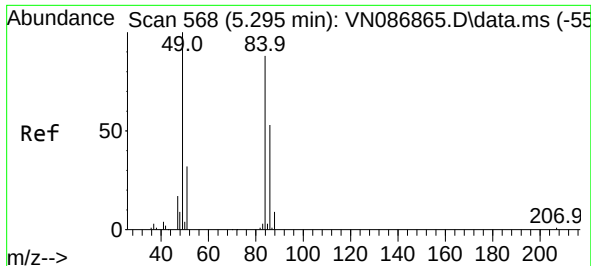
Tgt Ion: 43 Resp: 28355
Ion Ratio Lower Upper
43 100
58 33.8 28.0 42.0



#18
Methyl Acetate
Concen: 6.095 ug/l
RT: 5.053 min Scan# 527
Delta R.T. 0.012 min
Lab File: VN087132.D
Acq: 20 Jun 2025 12:44

Tgt Ion: 43 Resp: 24697
Ion Ratio Lower Upper
43 100
74 27.9 20.7 31.1

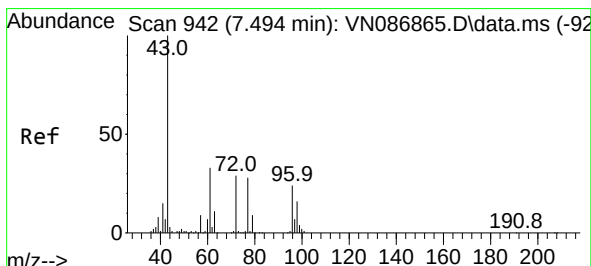
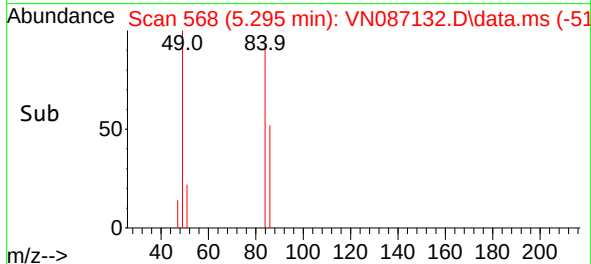
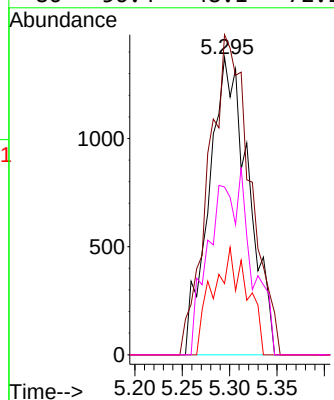
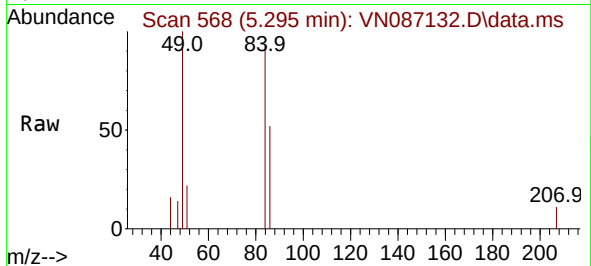




#20
Methylene Chloride
Concen: 1.536 ug/l
RT: 5.295 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN087132.D
Acq: 20 Jun 2025 12:44

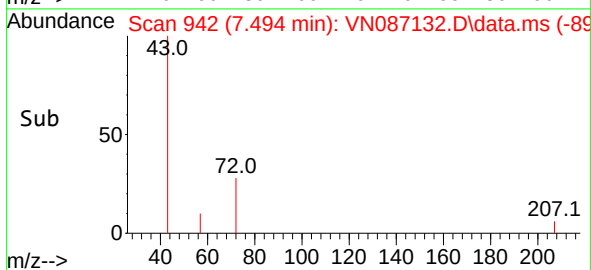
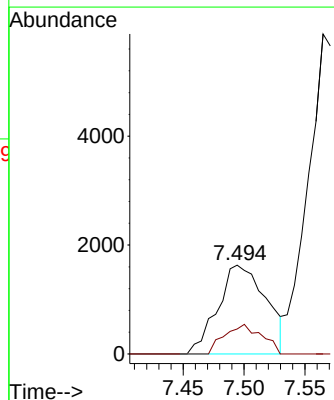
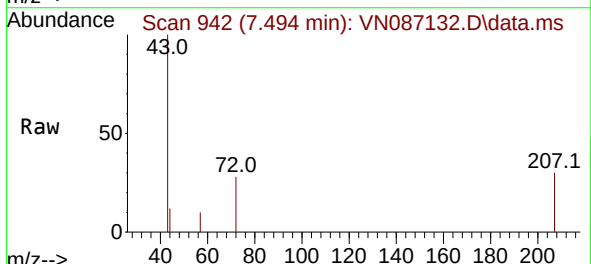
Instrument :
MSVOA_N
ClientSampleId :
EP-6

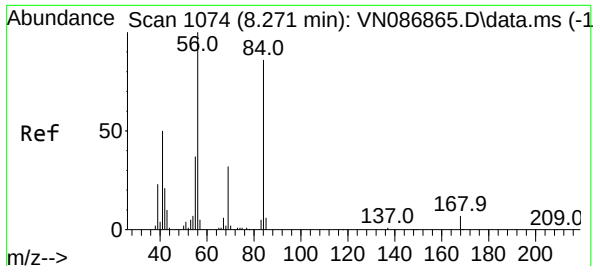
Tgt Ion:	84	Resp:	3998
Ion	Ratio	Lower	Upper
84	100		
49	107.6	90.5	135.7
51	23.9	28.5	42.7#
86	56.4	48.1	72.1



#25
2-Butanone
Concen: 1.984 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.000 min
Lab File: VN087132.D
Acq: 20 Jun 2025 12:44

Tgt Ion:	43	Resp:	4485
Ion	Ratio	Lower	Upper
43	100		
72	28.1	23.0	34.6

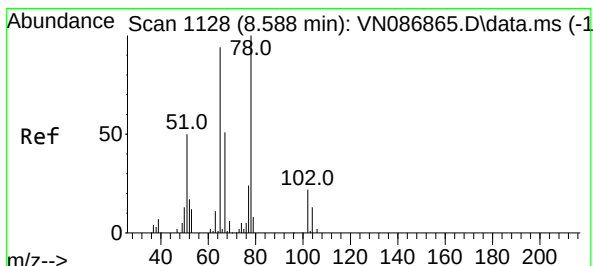
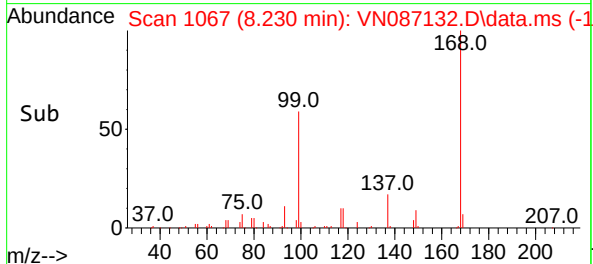
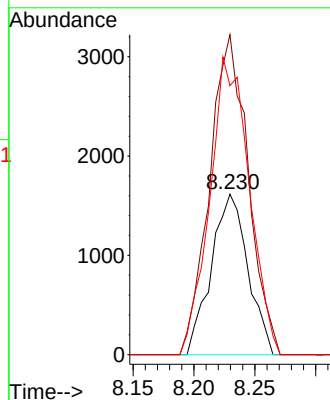
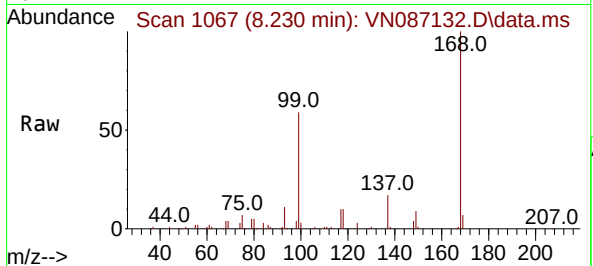




#31
Cyclohexane
Concen: 0.795 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.041 min
Lab File: VN087132.D
Acq: 20 Jun 2025 12:44

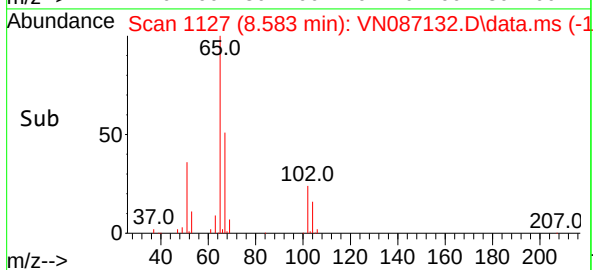
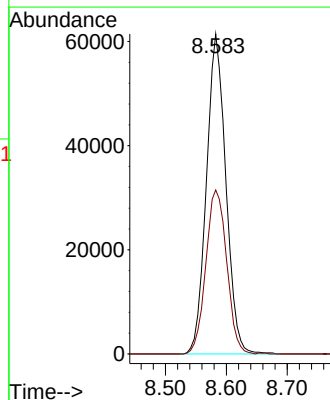
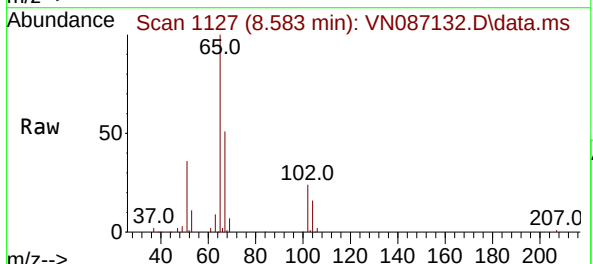
Instrument :
MSVOA_N
ClientSampleId :
EP-6

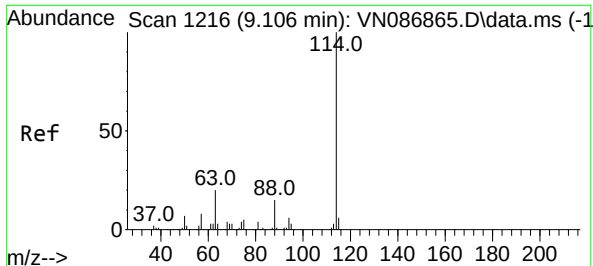
Tgt Ion: 56 Resp: 3383
Ion Ratio Lower Upper
56 100
69 199.3 25.4 38.0#
84 167.5 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 52.023 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN087132.D
Acq: 20 Jun 2025 12:44

Tgt Ion: 65 Resp: 136410
Ion Ratio Lower Upper
65 100
67 54.9 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN087132.D

Acq: 20 Jun 2025 12:44

Instrument :

MSVOA_N

ClientSampleId :

EP-6

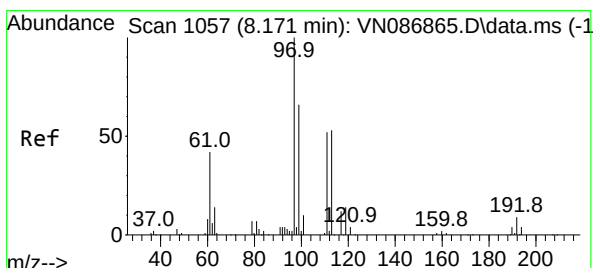
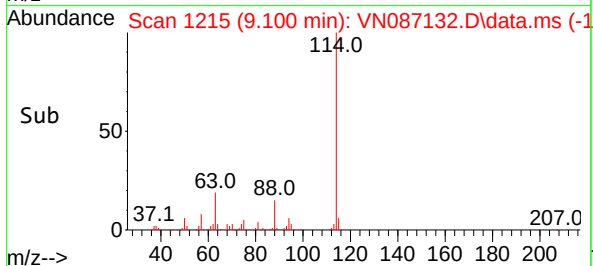
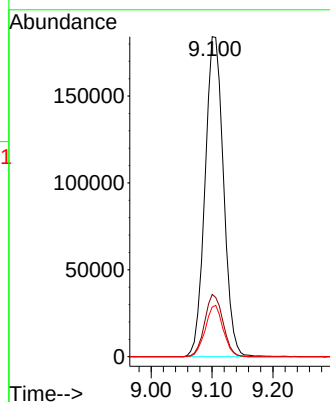
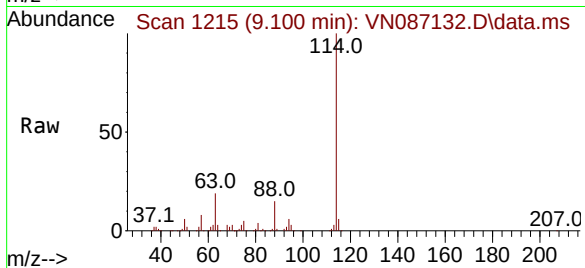
Tgt Ion:114 Resp: 388591

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.6

88 15.5 0.0 30.2



#35

Dibromofluoromethane

Concen: 51.350 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN087132.D

Acq: 20 Jun 2025 12:44

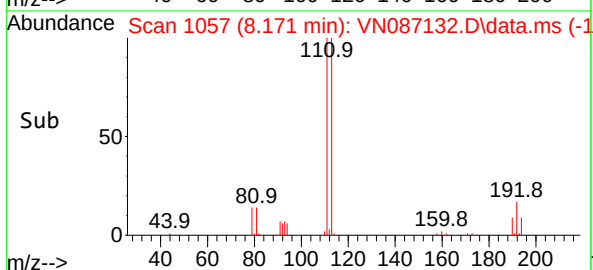
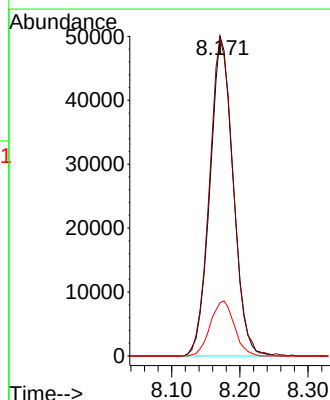
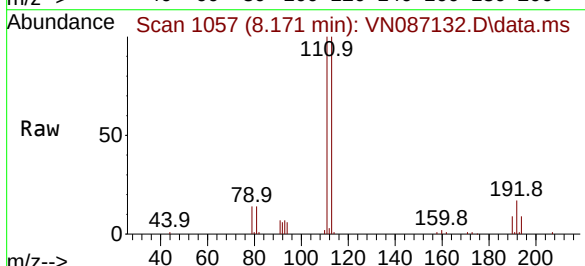
Tgt Ion:113 Resp: 118252

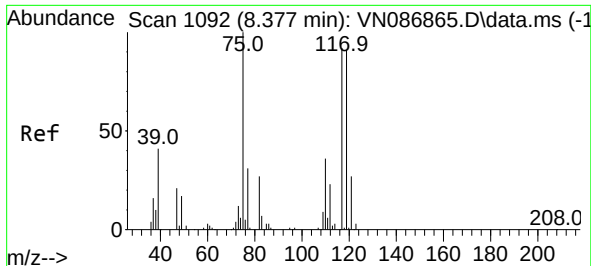
Ion Ratio Lower Upper

113 100

111 102.1 84.2 126.2

192 17.8 14.2 21.4

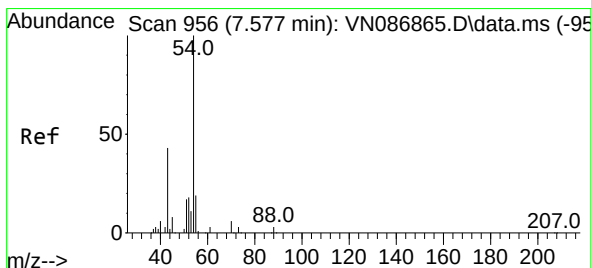
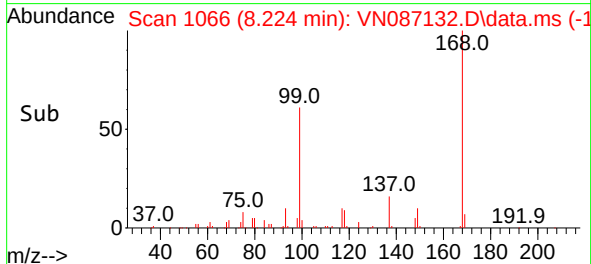
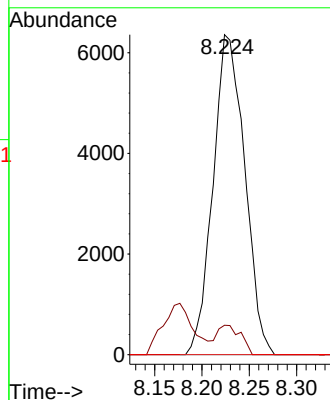
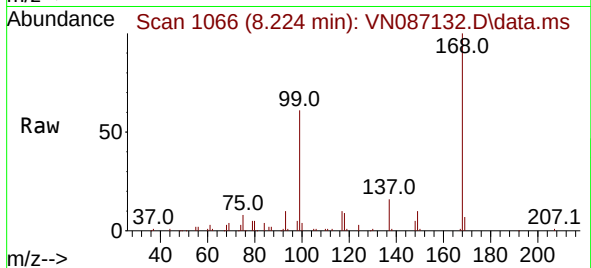




#36
1,1-Dichloropropene
Concen: 4.315 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN087132.D
Acq: 20 Jun 2025 12:44

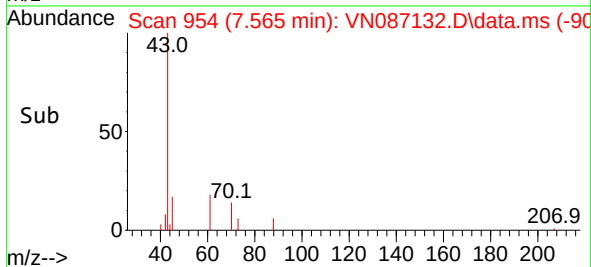
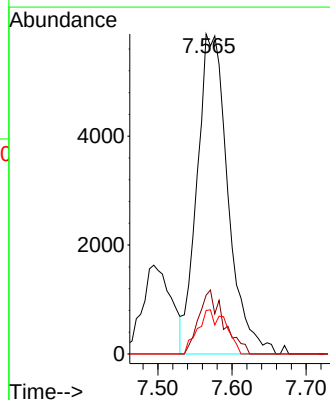
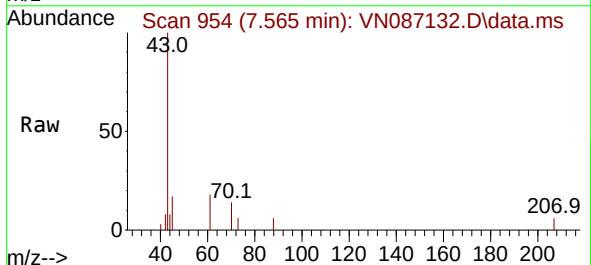
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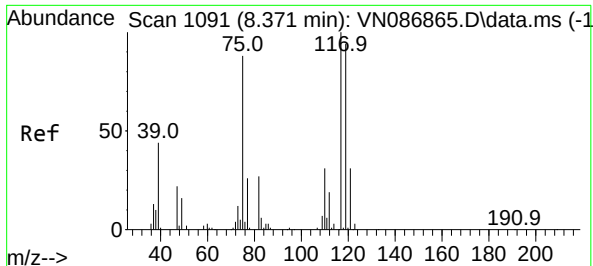
Tgt Ion: 75 Resp: 14807
Ion Ratio Lower Upper
75 100
110 7.2 17.6 52.9#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 3.888 ug/l
RT: 7.565 min Scan# 954
Delta R.T. -0.012 min
Lab File: VN087132.D
Acq: 20 Jun 2025 12:44

Tgt Ion: 43 Resp: 16984
Ion Ratio Lower Upper
43 100
61 16.2 12.1 18.1
70 12.5 9.8 14.6

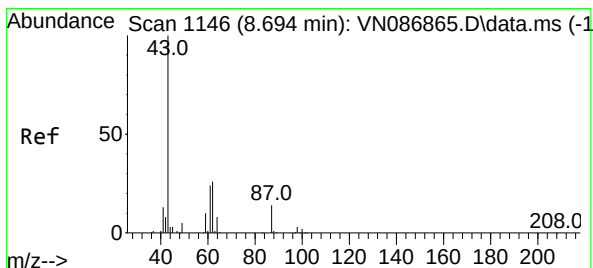
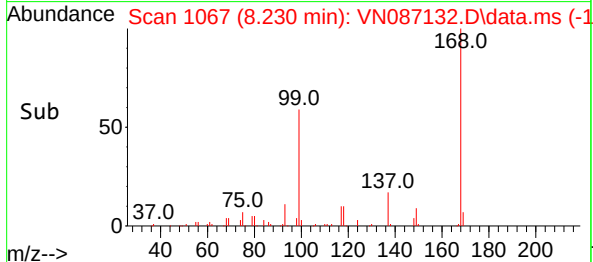
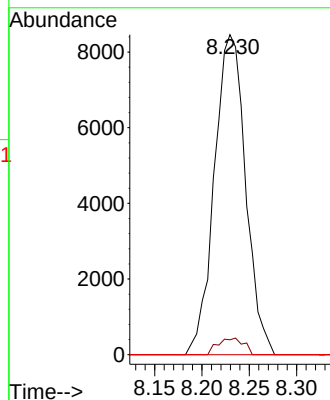
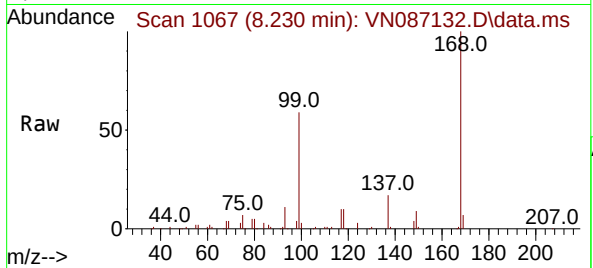




#38
Carbon Tetrachloride
Concen: 5.773 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.141 min
Lab File: VN087132.D
Acq: 20 Jun 2025 12:44

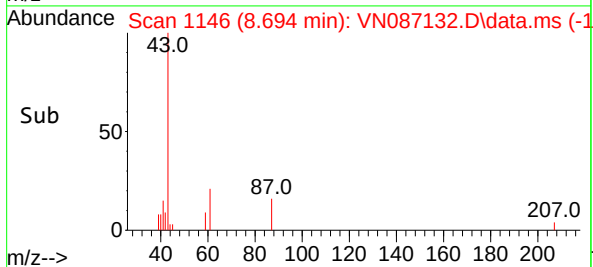
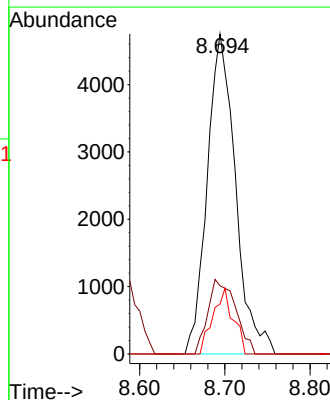
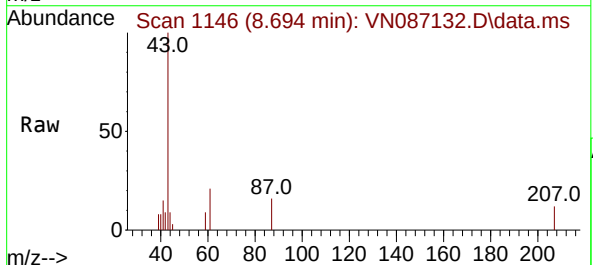
Instrument :
MSVOA_N
ClientSampleId :
EP-6

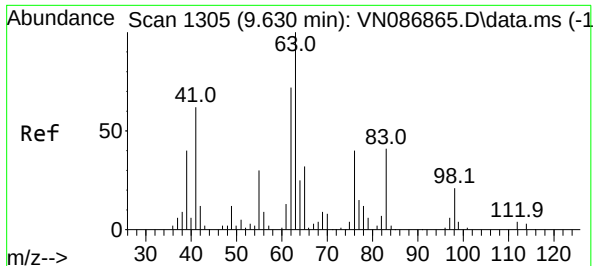
Tgt Ion:117 Resp: 19448
Ion Ratio Lower Upper
117 100
119 4.6 75.0 112.6#
121 0.0 24.9 37.3#



#43
Isopropyl Acetate
Concen: 1.561 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN087132.D
Acq: 20 Jun 2025 12:44

Tgt Ion: 43 Resp: 10944
Ion Ratio Lower Upper
43 100
61 22.8 22.1 33.1
87 14.7 11.8 17.6





#45

1,2-Dichloropropane

Concen: 0.513 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.112 min

Lab File: VN087132.D

Acq: 20 Jun 2025 12:44

Instrument :

MSVOA_N

ClientSampleId :

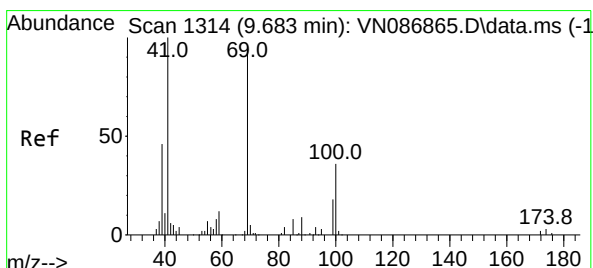
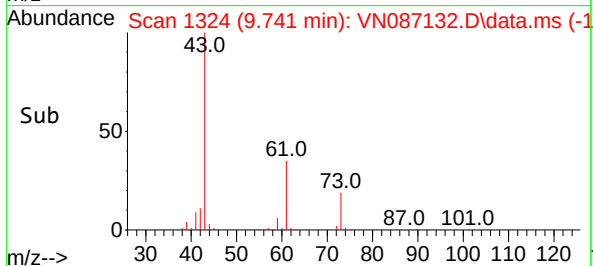
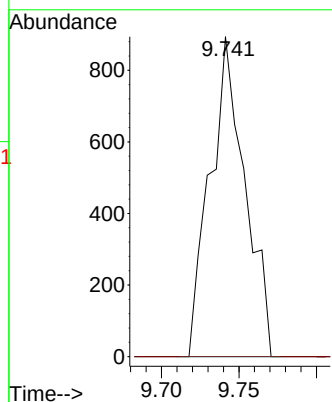
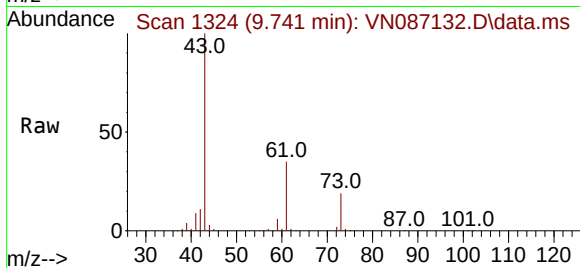
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Tgt Ion: 63 Resp: 1401

Ion Ratio Lower Upper

63 100

65 0.0 25.5 38.3#



#48

Methyl methacrylate

Concen: 26.395 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.059 min

Lab File: VN087132.D

Acq: 20 Jun 2025 12:44

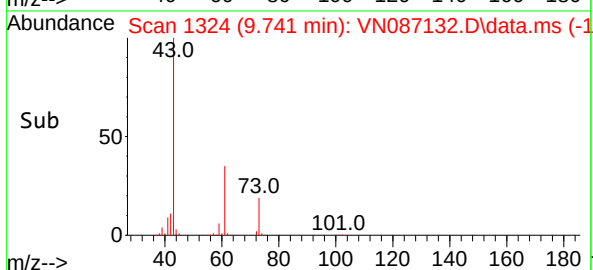
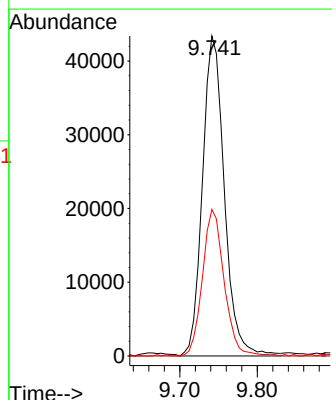
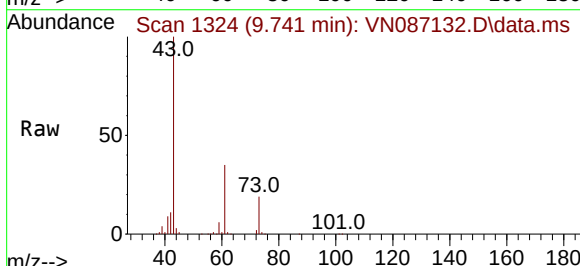
Tgt Ion: 41 Resp: 85178

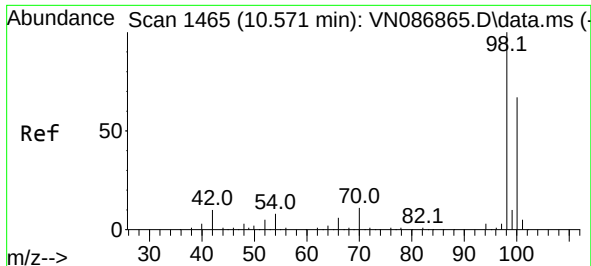
Ion Ratio Lower Upper

41 100

69 0.0 74.6 112.0#

39 45.3 40.2 60.4

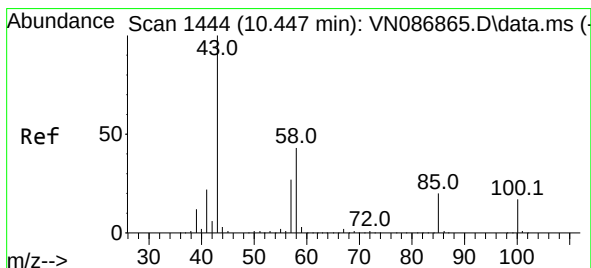
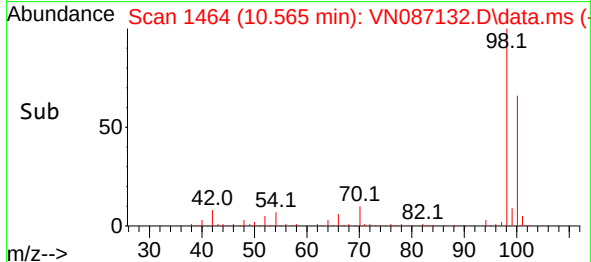
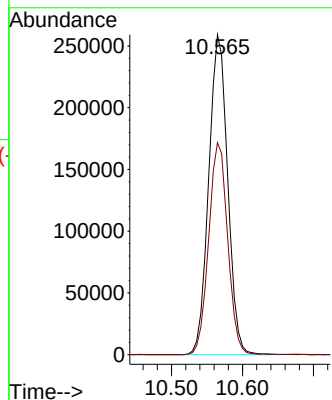
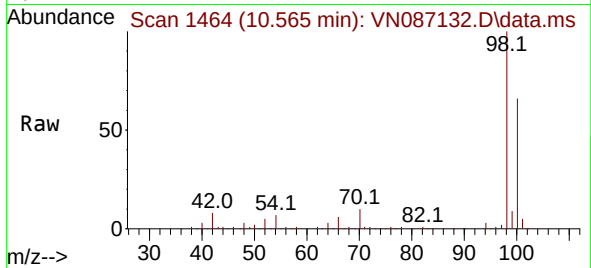




#50
Toluene-d8
Concen: 52.624 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN087132.D
Acq: 20 Jun 2025 12:44

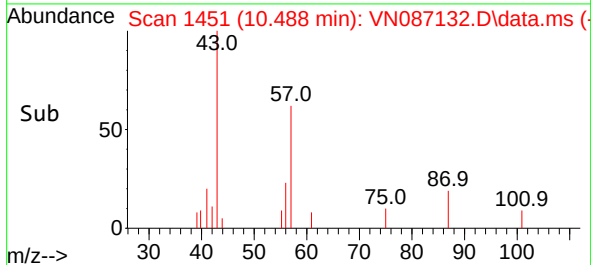
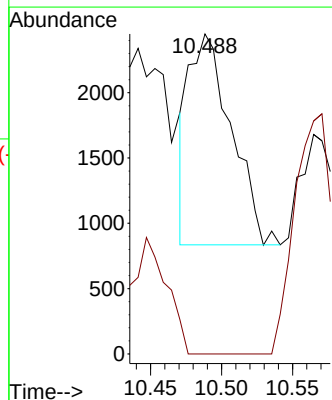
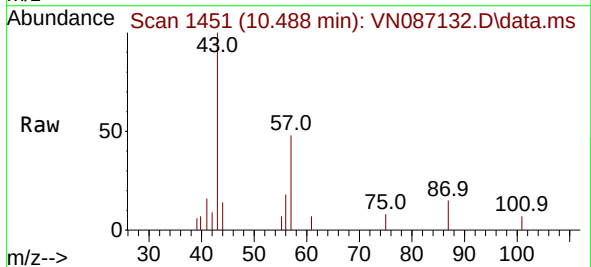
Instrument :
MSVOA_N
ClientSampleId :
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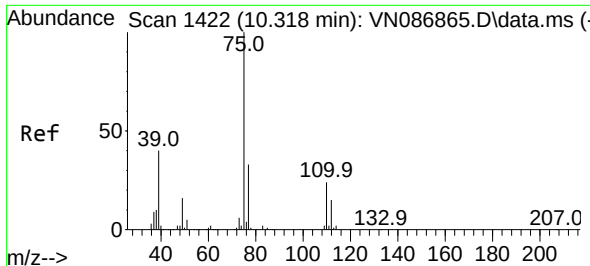
Tgt Ion: 98 Resp: 479750
Ion Ratio Lower Upper
98 100
100 66.7 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 0.798 ug/l
RT: 10.488 min Scan# 1451
Delta R.T. 0.041 min
Lab File: VN087132.D
Acq: 20 Jun 2025 12:44

Tgt Ion: 43 Resp: 3370
Ion Ratio Lower Upper
43 100
58 0.0 34.2 51.4#

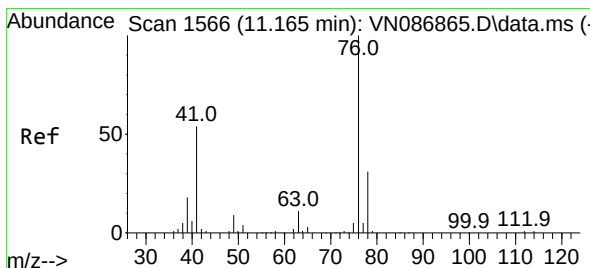
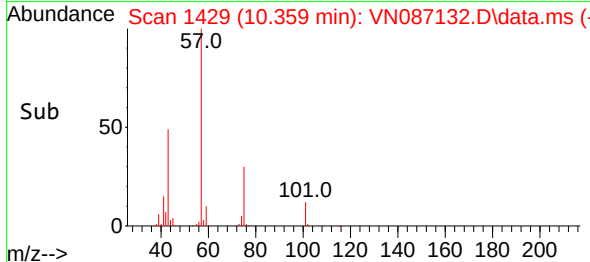
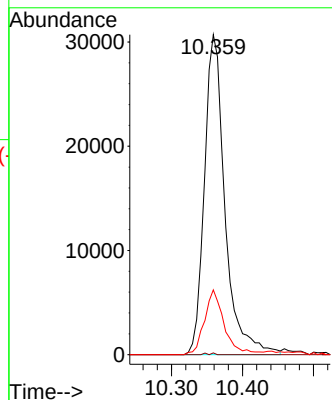
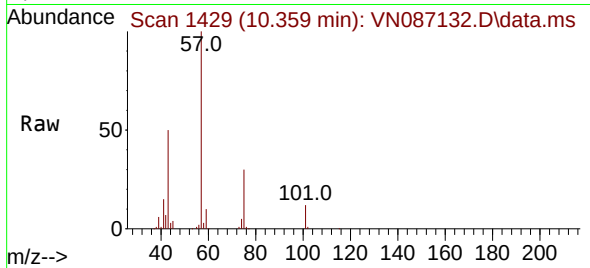




#54
 cis-1,3-Dichloropropene
 Concen: 13.862 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN087132.D
 Acq: 20 Jun 2025 12:44

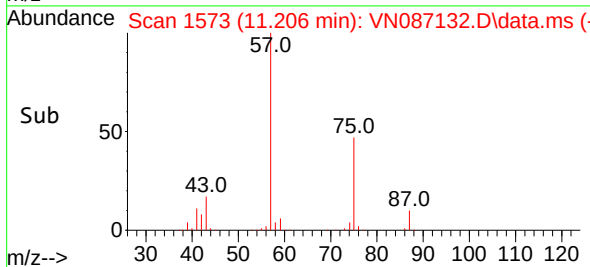
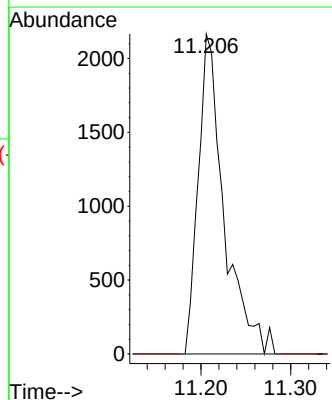
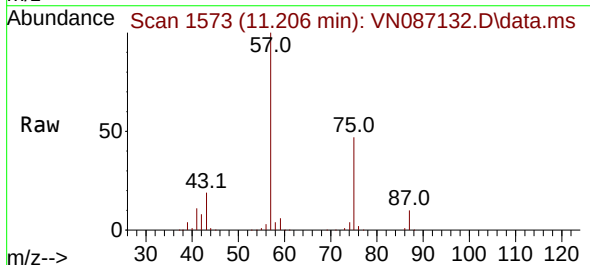
Instrument :
 MSVOA_N
 ClientSampleId :
 EP-6

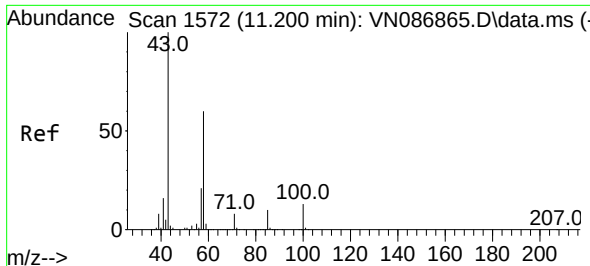
Tgt Ion: 75 Resp: 61874
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.2 39.4#
 39 20.2 32.3 48.5#



#57
 1,3-Dichloropropane
 Concen: 0.945 ug/l
 RT: 11.206 min Scan# 1573
 Delta R.T. 0.041 min
 Lab File: VN087132.D
 Acq: 20 Jun 2025 12:44

Tgt Ion: 76 Resp: 4325
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.3 37.9#

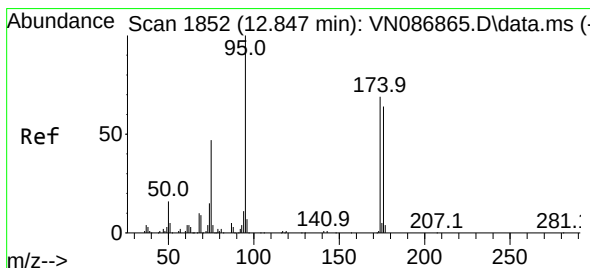
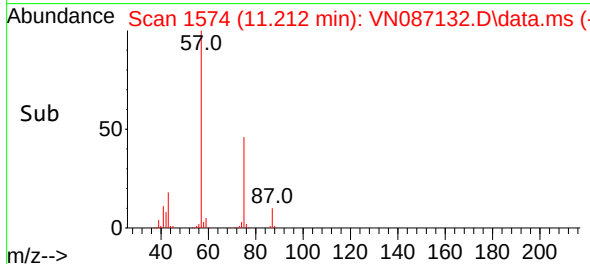
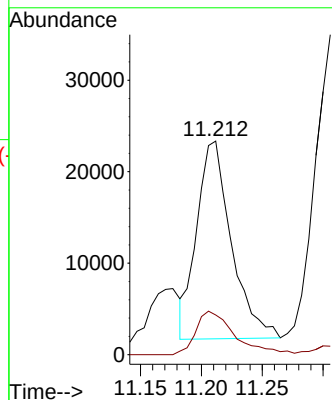
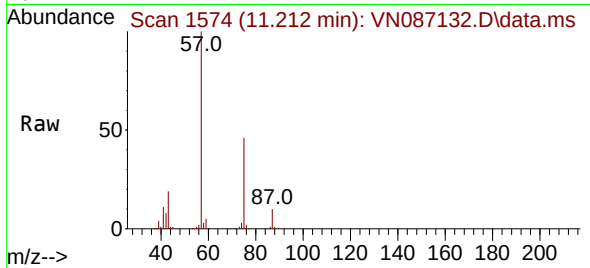




#59
2-Hexanone
Concen: 15.728 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.012 min
Lab File: VN087132.D
Acq: 20 Jun 2025 12:44

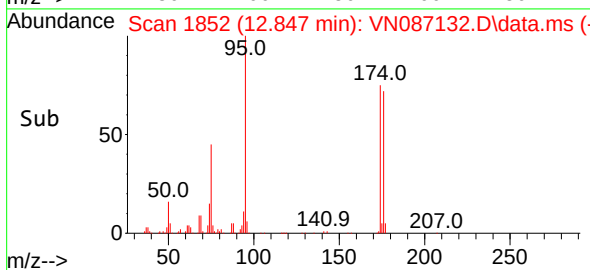
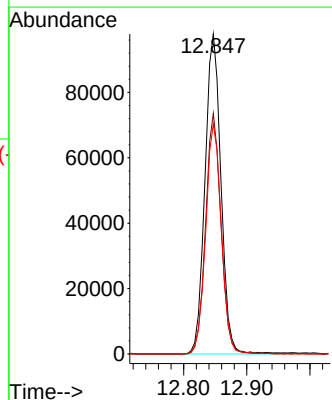
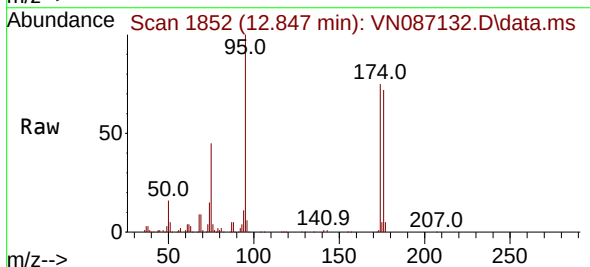
Instrument :
MSVOA_N
ClientSampleId :
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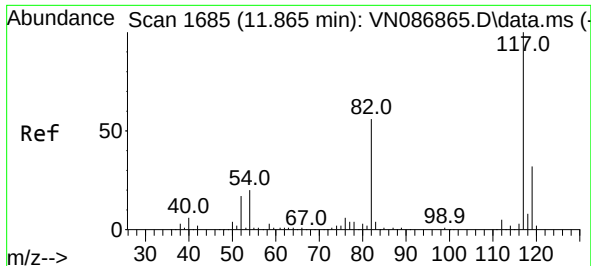
Tgt Ion: 43 Resp: 42760
Ion Ratio Lower Upper
43 100
58 24.8 30.4 91.3#



#62
4-Bromofluorobenzene
Concen: 50.594 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087132.D
Acq: 20 Jun 2025 12:44

Tgt Ion: 95 Resp: 171364
Ion Ratio Lower Upper
95 100
174 72.4 0.0 141.8
176 70.5 0.0 132.6

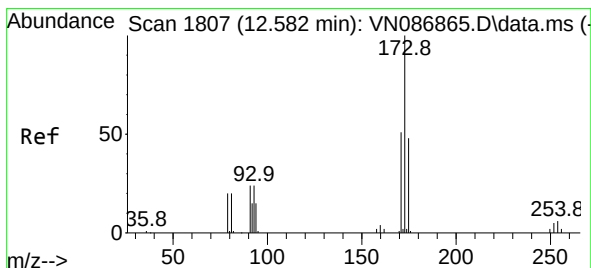
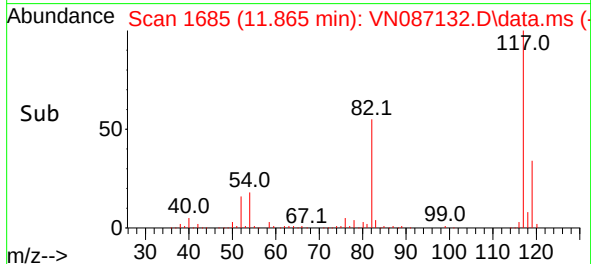
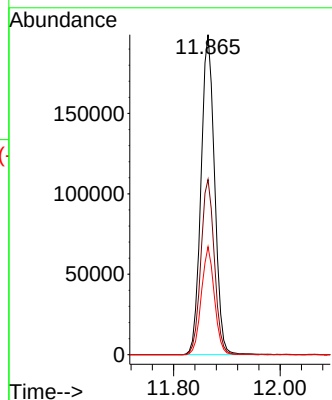
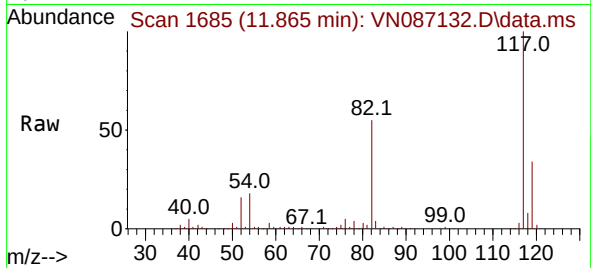




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087132.D
Acq: 20 Jun 2025 12:44

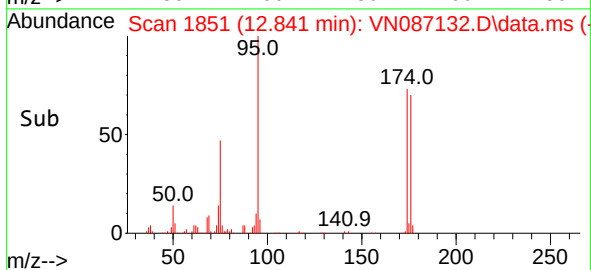
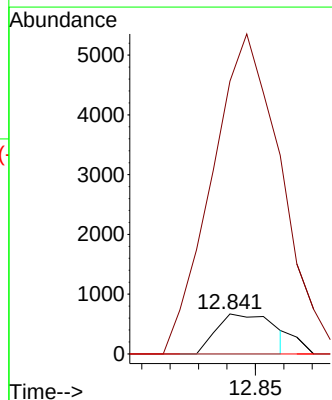
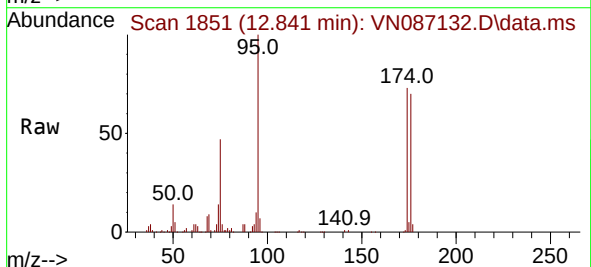
Instrument :
MSVOA_N
ClientSampleId :
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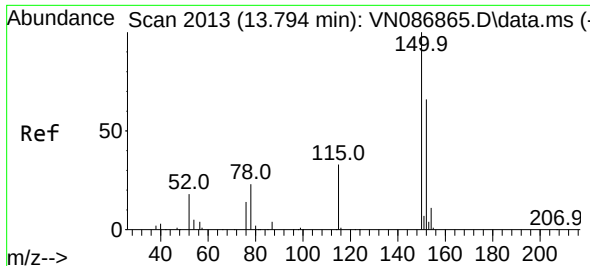
Tgt Ion:117 Resp: 352130
Ion Ratio Lower Upper
117 100
82 54.7 44.6 67.0
119 33.7 25.5 38.3



#71
Bromoform
Concen: 0.507 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.259 min
Lab File: VN087132.D
Acq: 20 Jun 2025 12:44

Tgt Ion:173 Resp: 937
Ion Ratio Lower Upper
173 100
175 872.4 24.1 72.4#
254 0.0 0.0 0.0

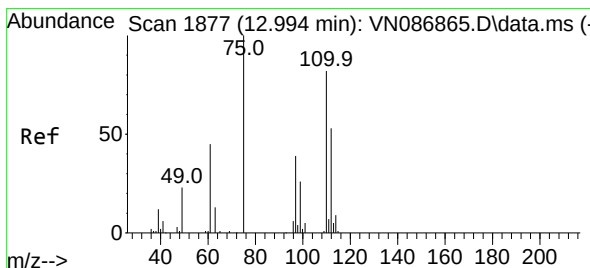
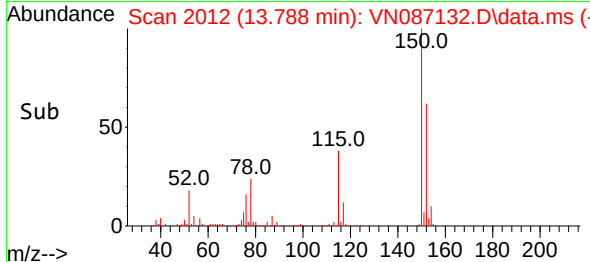
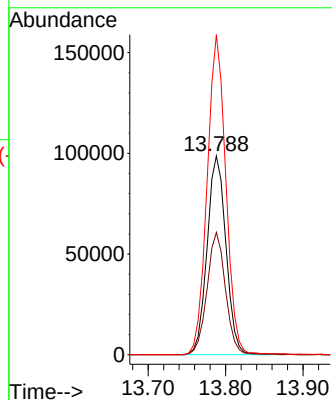
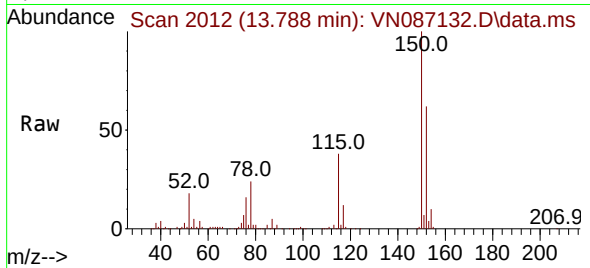




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VN087132.D
 Acq: 20 Jun 2025 12:44

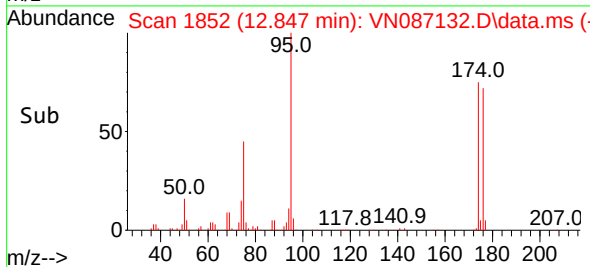
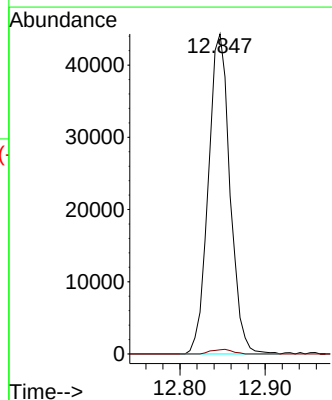
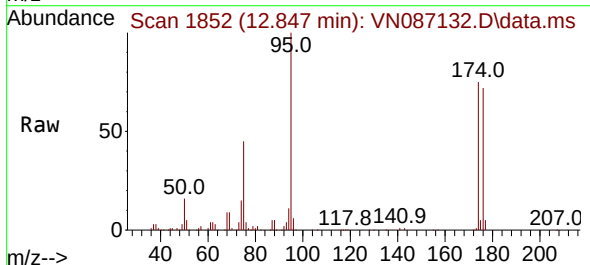
Instrument :
 MSVOA_N
 ClientSampleId :
 EP-6

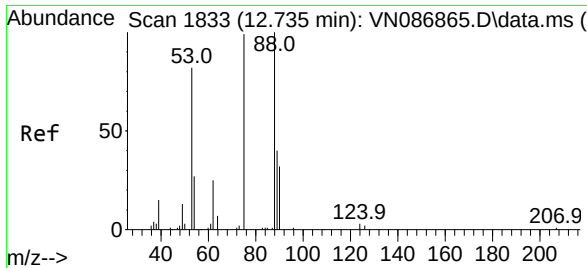
Tgt Ion:152 Resp: 166973
 Ion Ratio Lower Upper
 152 100
 115 60.3 30.1 90.5
 150 159.5 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 19.696 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN087132.D
 Acq: 20 Jun 2025 12:44

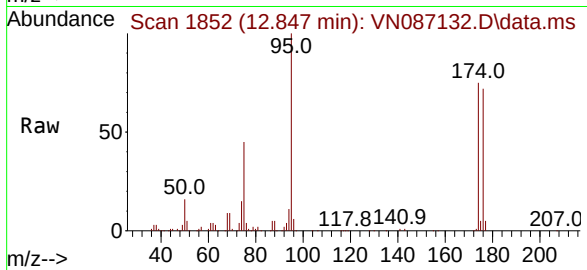
Tgt Ion: 75 Resp: 78172
 Ion Ratio Lower Upper
 75 100
 77 1.4 79.3 237.9#





#81
trans-1,4-Dichloro-2-butene
Concen: 45.338 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN087132.D
Acq: 20 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
EP-6



Tgt Ion: 75 Resp: 78172
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.1 36.7 55.1#

