

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041825\
 Data File : VN086350.D
 Acq On : 18 Apr 2025 17:44
 Operator : JC\MD
 Sample : PB167623ZHE#15
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167623ZHE#15

Quant Time: Apr 19 02:29:09 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

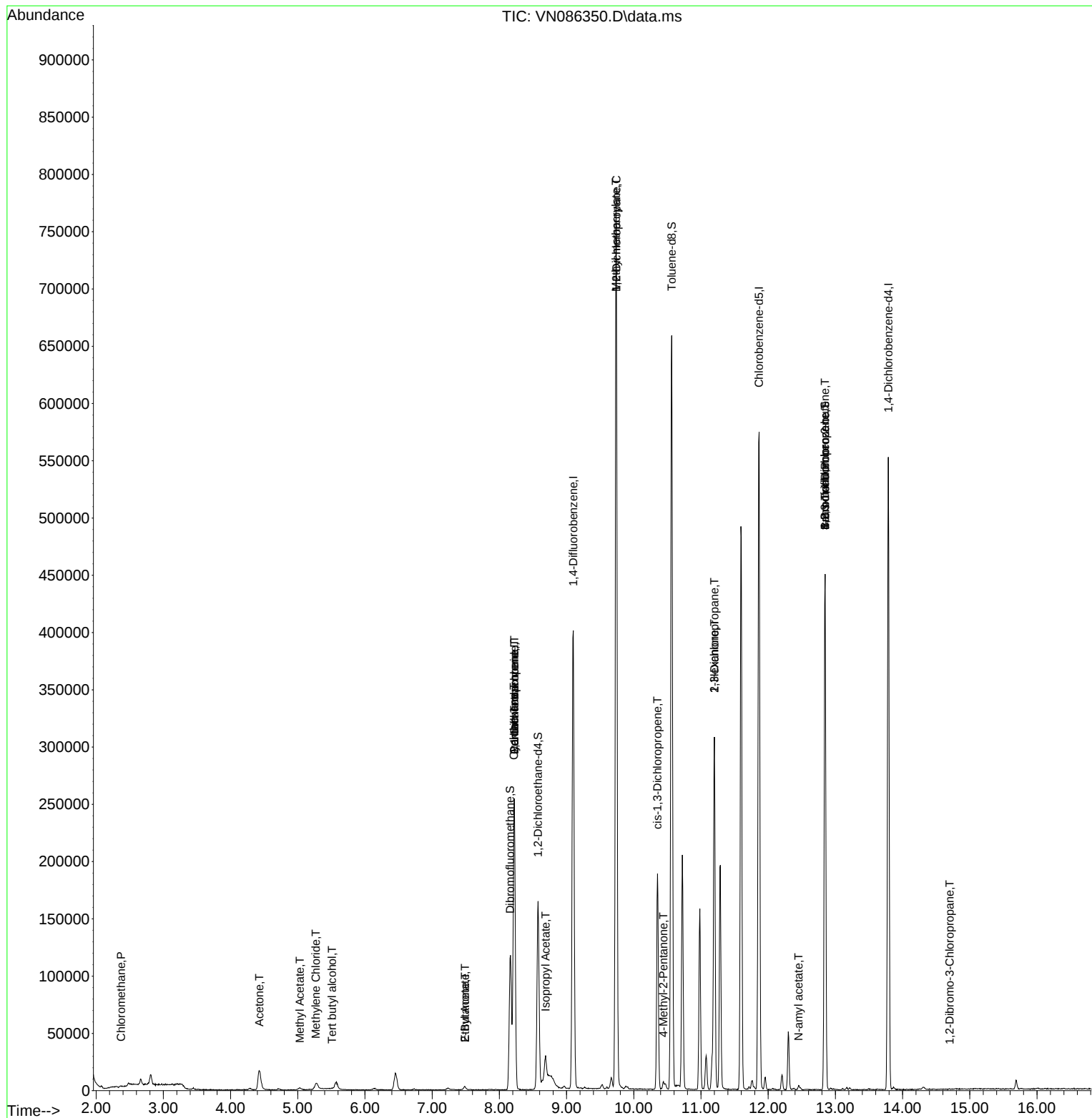
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	184244	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	358203	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	335469	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	145310	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	134479	50.335	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.660%	
35) Dibromofluoromethane	8.159	113	89458	53.810	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.620%	
50) Toluene-d8	10.565	98	460286	51.805	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.600%	
62) 4-Bromofluorobenzene	12.847	95	167391	51.652	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 103.300%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	787	0.248	ug/l #	86
11) Tert butyl alcohol	5.512	59	247	0.507	ug/l #	72
13) Acrolein	4.183	56	126	Below Cal	#	13
16) Acetone	4.430	43	34780	32.692	ug/l	98
18) Methyl Acetate	5.030	43	3790	1.182	ug/l #	88
20) Methylene Chloride	5.271	84	4471	1.810	ug/l	90
25) 2-Butanone	7.488	43	6302	3.790	ug/l	93
31) Cyclohexane	8.218	56	4598	1.062	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	16237	4.890	ug/l #	48
37) Ethyl Acetate	7.488	43	6302	1.803	ug/l #	68
38) Carbon Tetrachloride	8.224	117	18793	5.943	ug/l #	16
43) Isopropyl Acetate	8.688	43	47370	5.789	ug/l #	75
45) 1,2-Dichloropropane	9.741	63	972	0.373	ug/l #	43
48) Methyl methacrylate	9.735	41	68077	22.175	ug/l #	42
51) 4-Methyl-2-Pentanone	10.441	43	3622	1.012	ug/l	87
54) cis-1,3-Dichloropropene	10.353	75	35316	8.038	ug/l #	60
57) 1,3-Dichloropropane	11.200	76	3160	0.746	ug/l #	43
59) 2-Hexanone	11.200	43	66715	25.126	ug/l #	40
71) Bromoform	12.847	173	828	0.445	ug/l #	1
74) N-amyl acetate	12.453	43	3940	0.666	ug/l #	44
76) 1,2,3-Trichloropropane	12.847	75	84814	24.734	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	84814	59.401	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.700	75	510	0.740	ug/l #	5

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

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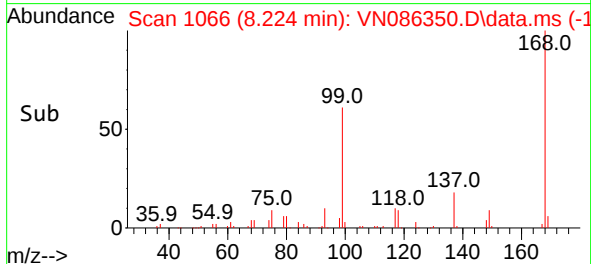
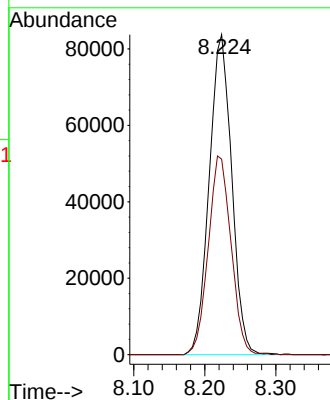
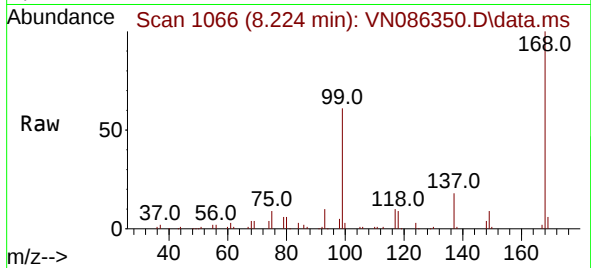




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086350.D
Acq: 18 Apr 2025 17:44

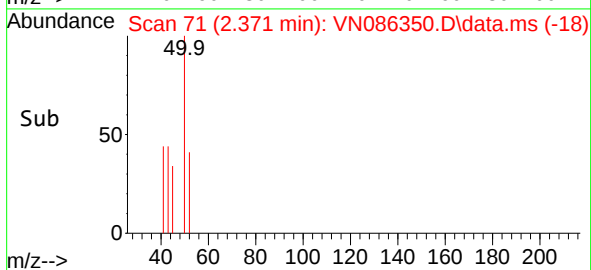
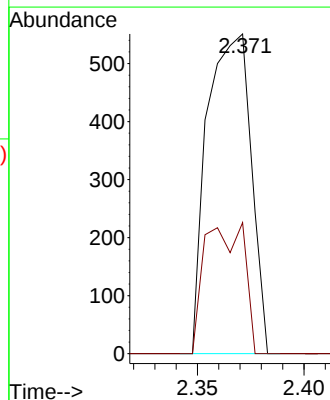
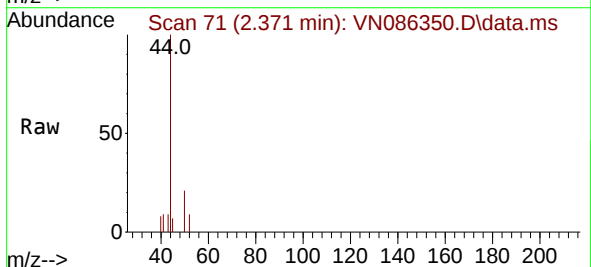
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#15

Tgt Ion:168 Resp: 184244
Ion Ratio Lower Upper
168 100
99 61.1 52.5 78.7



#3
Chloromethane
Concen: 0.248 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN086350.D
Acq: 18 Apr 2025 17:44

Tgt Ion: 50 Resp: 787
Ion Ratio Lower Upper
50 100
52 41.0 26.5 39.7#





#11

Tert butyl alcohol

Concen: 0.507 ug/l

RT: 5.512 min Scan# 605

Delta R.T. -0.000 min

Lab File: VN086350.D

Acq: 18 Apr 2025 17:44

Instrument :

MSVOA_N

ClientSampleId :

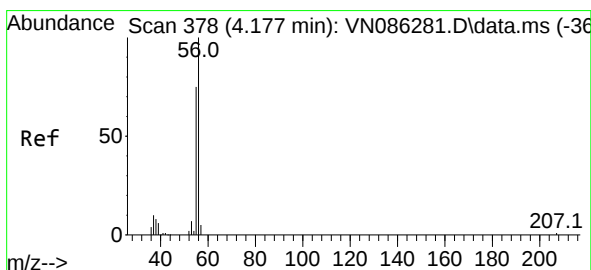
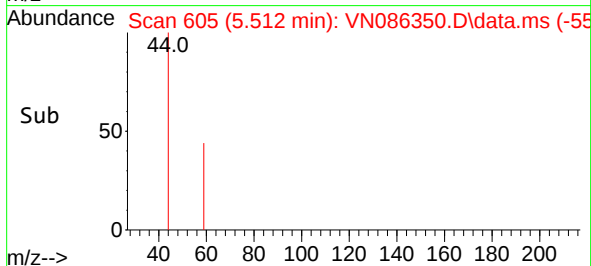
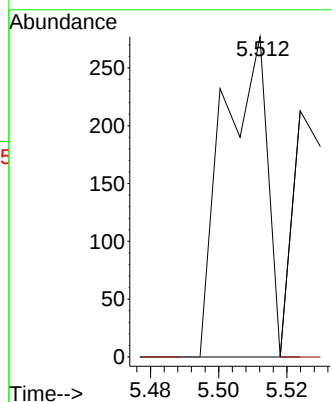
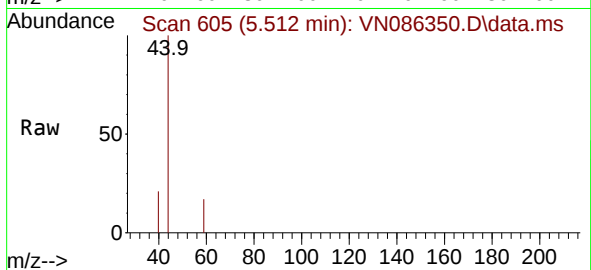
PB167623ZHE#15

Tgt Ion: 59 Resp: 247

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#13

Acrolein

Concen: Below Cal

RT: 4.183 min Scan# 379

Delta R.T. 0.006 min

Lab File: VN086350.D

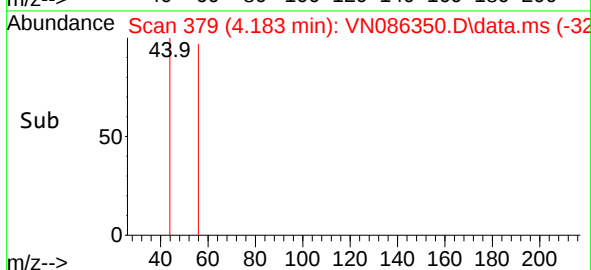
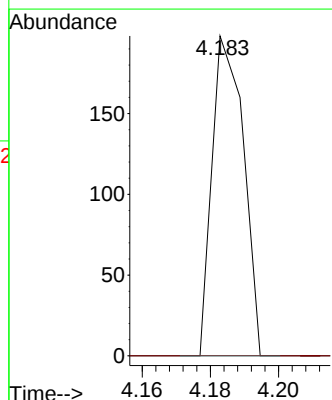
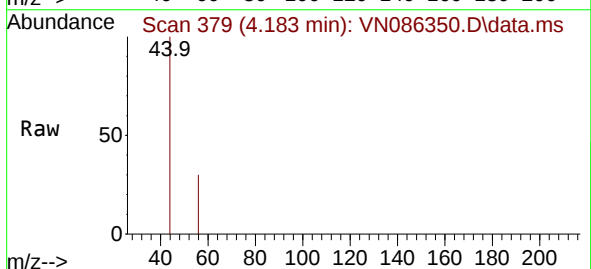
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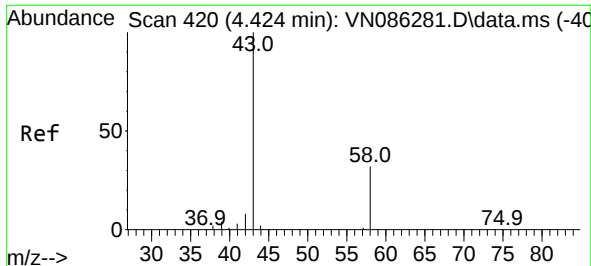
Tgt Ion: 56 Resp: 126

Ion Ratio Lower Upper

56 100

55 0.0 58.5 87.7#

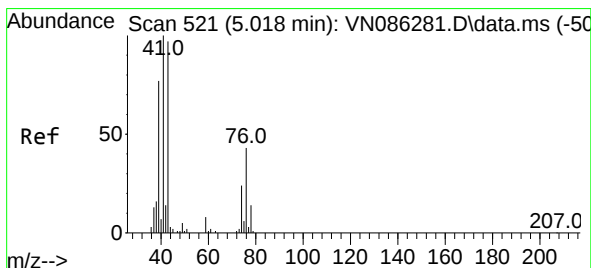
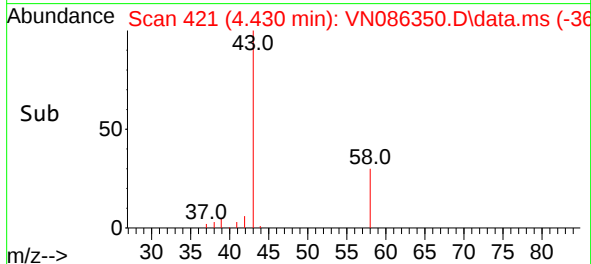
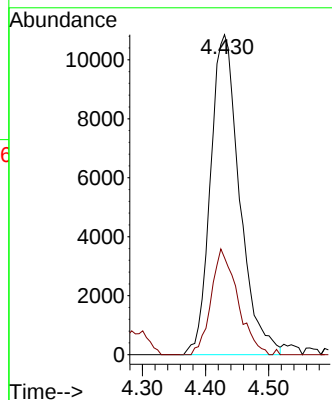
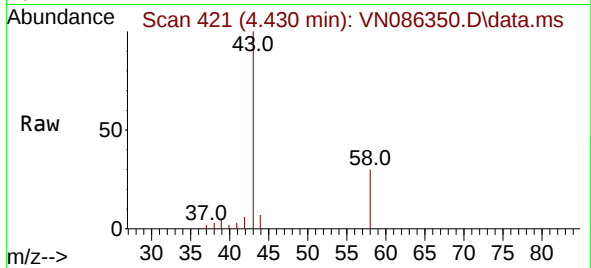




#16
Acetone
Concen: 32.692 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086350.D
Acq: 18 Apr 2025 17:44

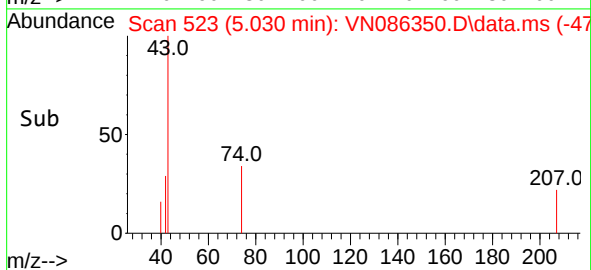
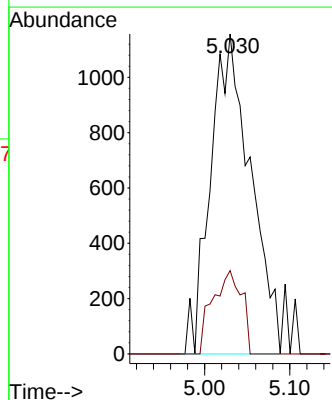
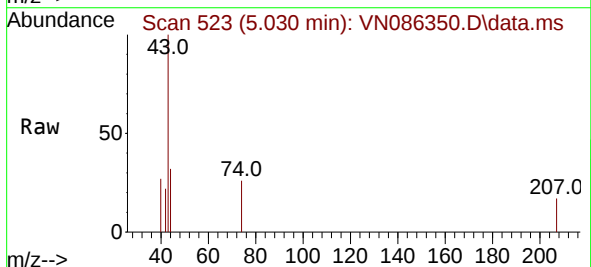
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#15

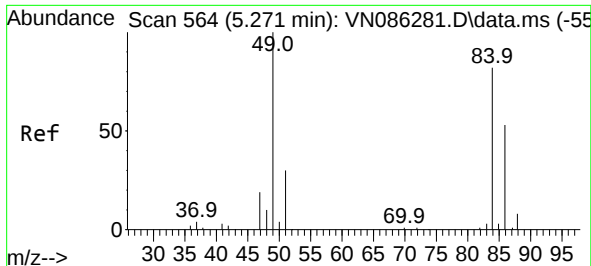
Tgt Ion: 43 Resp: 34780
Ion Ratio Lower Upper
43 100
58 30.3 25.3 37.9



#18
Methyl Acetate
Concen: 1.182 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN086350.D
Acq: 18 Apr 2025 17:44

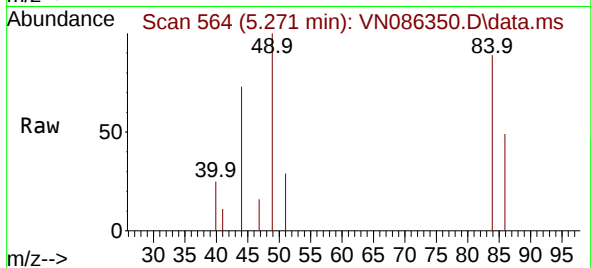
Tgt Ion: 43 Resp: 3790
Ion Ratio Lower Upper
43 100
74 18.8 19.8 29.6#



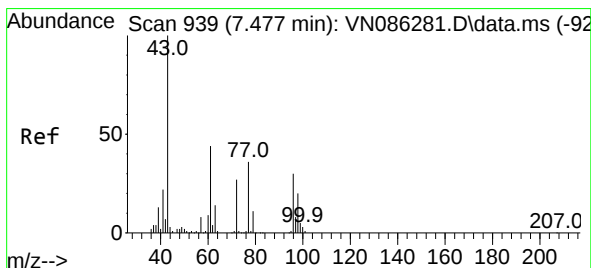
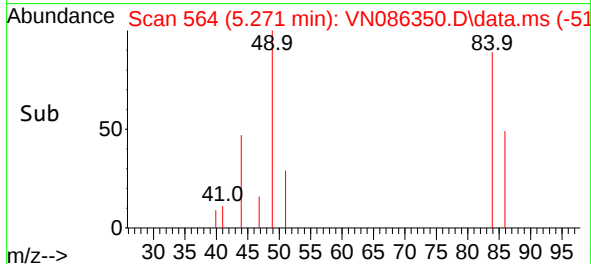
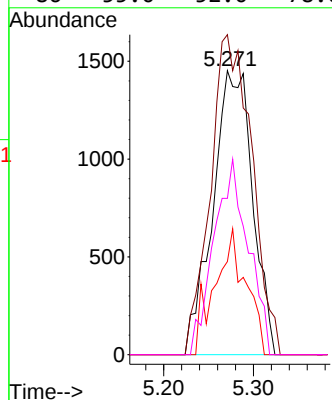


#20
Methylene Chloride
Concen: 1.810 ug/l
RT: 5.271 min Scan# 50
Delta R.T. 0.000 min
Lab File: VN086350.D
Acq: 18 Apr 2025 17:44

Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#15

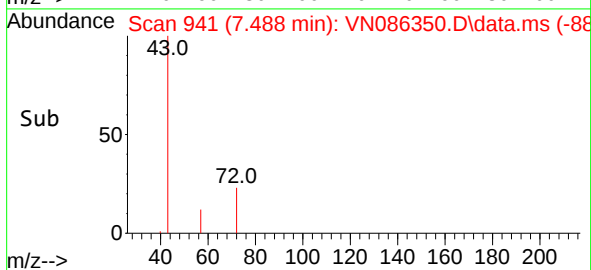
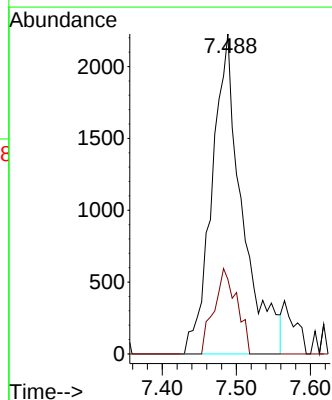
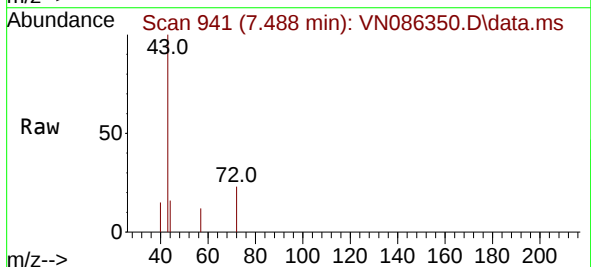


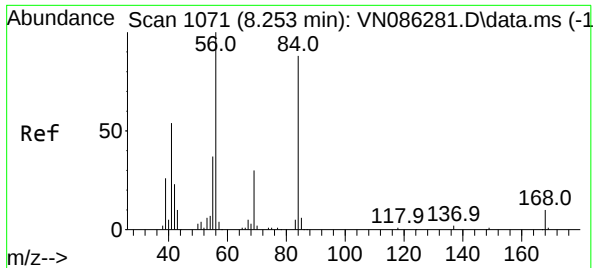
Tgt Ion: 84	Resp: 4471
Ion Ratio	Lower Upper
84 100	
49 112.7	98.2 147.2
51 32.8	29.8 44.6
86 55.0	52.0 78.0



#25
2-Butanone
Concen: 3.790 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN086350.D
Acq: 18 Apr 2025 17:44

Tgt Ion: 43	Resp: 6302		
Ion Ratio	Lower	Upper	
43 100			
72 23.3	21.7	32.5	

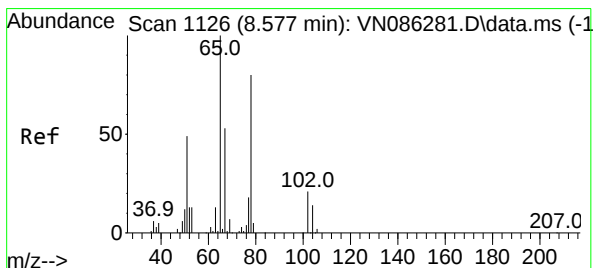
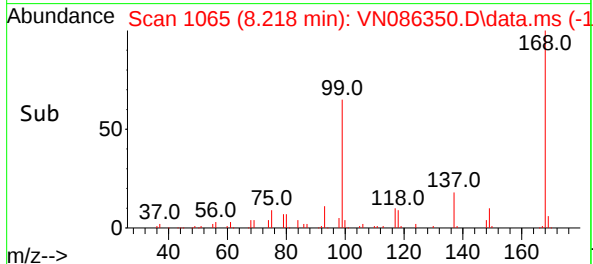
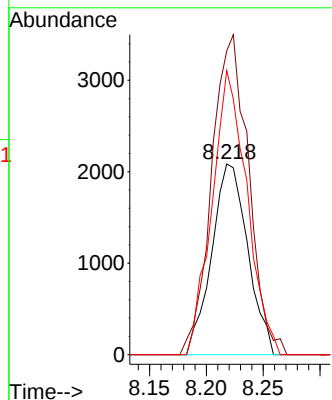
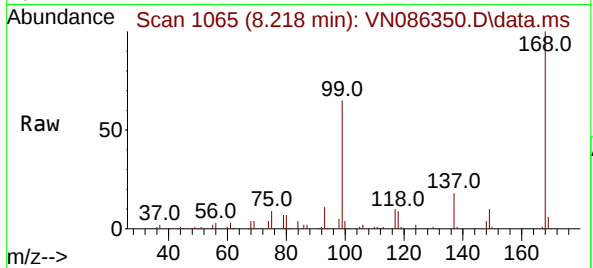




#31
Cyclohexane
Concen: 1.062 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086350.D
Acq: 18 Apr 2025 17:44

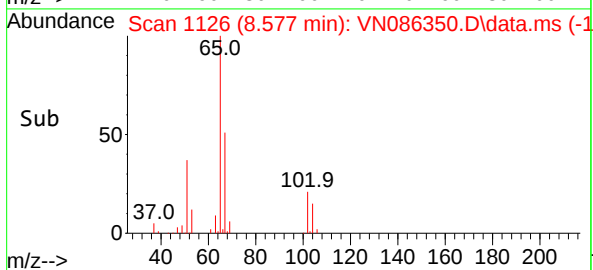
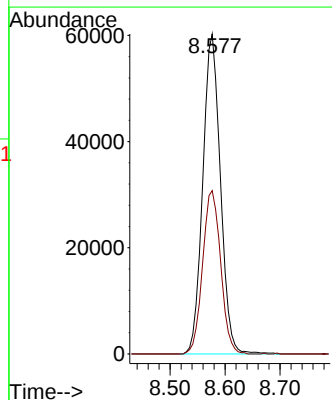
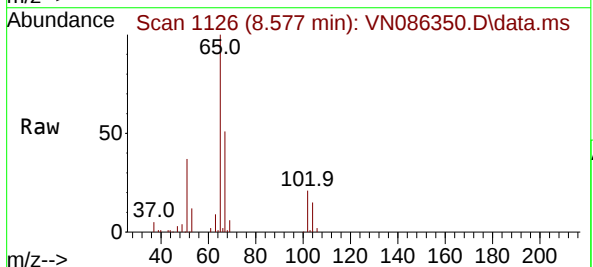
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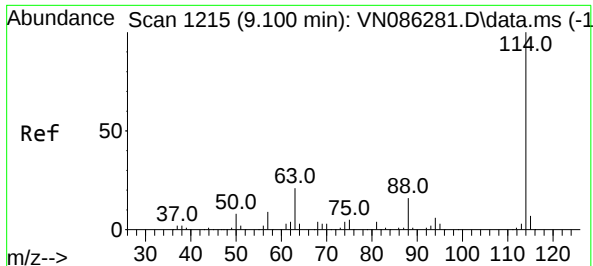
Tgt Ion: 56 Resp: 4598
Ion Ratio Lower Upper
56 100
69 159.3 24.2 36.2#
84 148.9 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 50.335 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086350.D
Acq: 18 Apr 2025 17:44

Tgt Ion: 65 Resp: 134479
Ion Ratio Lower Upper
65 100
67 52.2 0.0 106.0

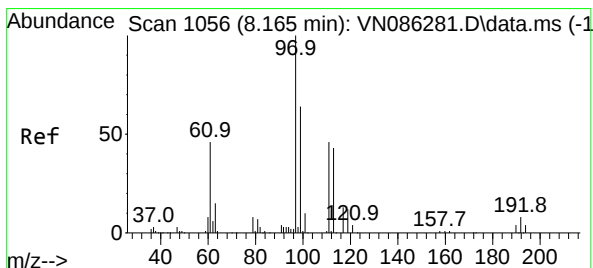
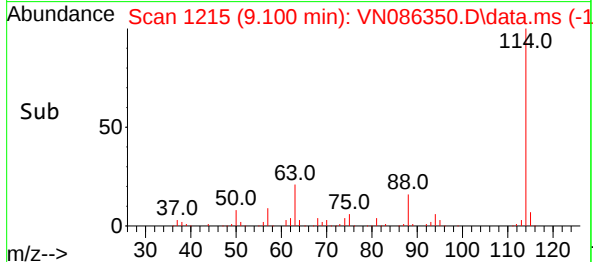
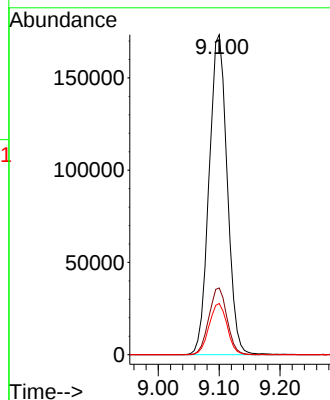
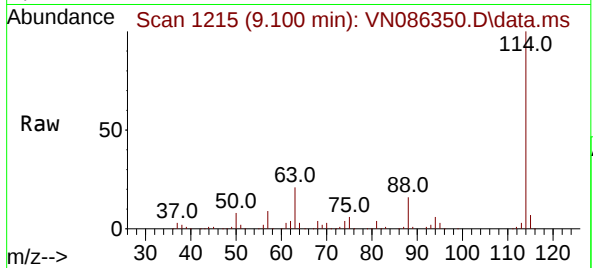




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086350.D
Acq: 18 Apr 2025 17:44

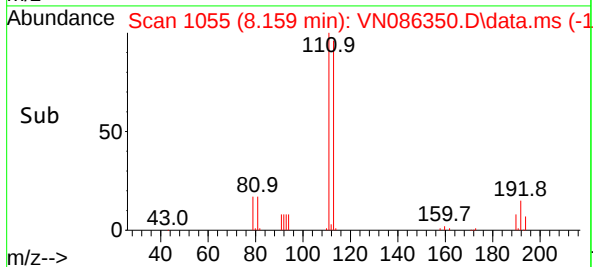
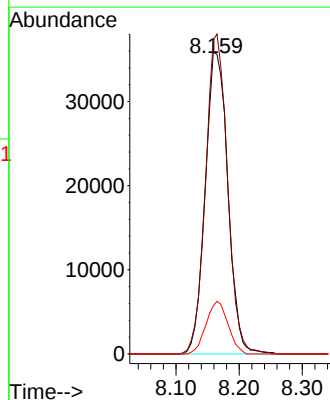
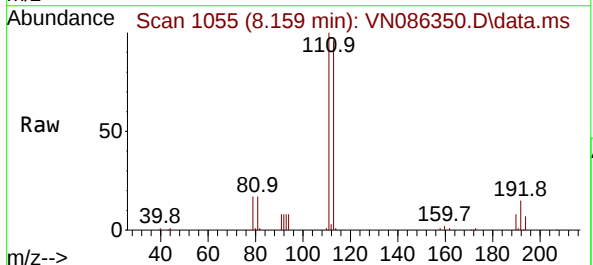
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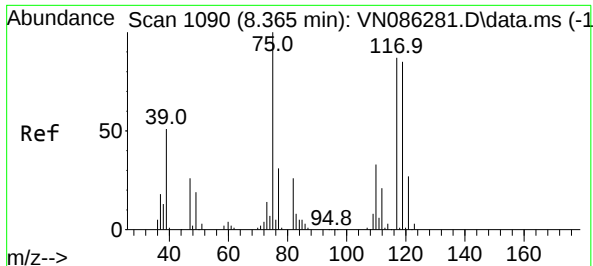
Tgt Ion:114 Resp: 358203
Ion Ratio Lower Upper
114 100
63 20.9 0.0 42.6
88 16.0 0.0 31.8



#35
Dibromofluoromethane
Concen: 53.810 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN086350.D
Acq: 18 Apr 2025 17:44

Tgt Ion:113 Resp: 89458
Ion Ratio Lower Upper
113 100
111 102.5 83.4 125.0
192 16.9 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.890 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN086350.D

Acq: 18 Apr 2025 17:44

Instrument :

MSVOA_N

ClientSampleId :

PB167623ZHE#15

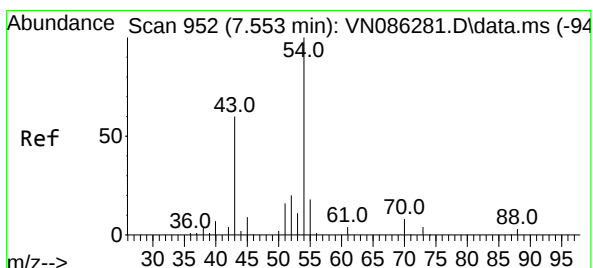
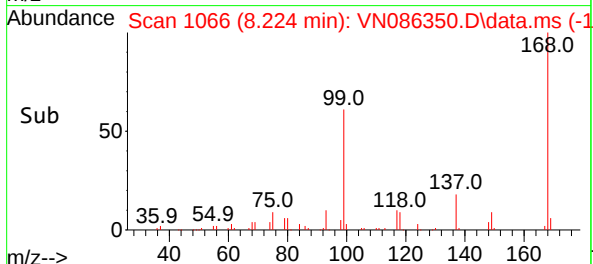
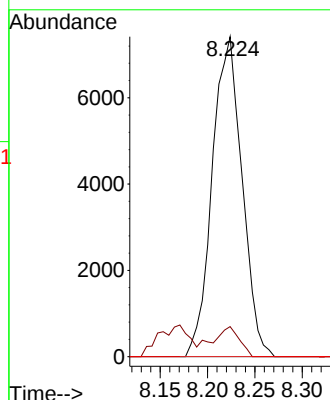
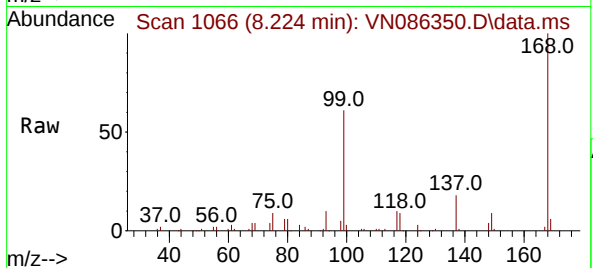
Tgt Ion: 75 Resp: 16237

Ion Ratio Lower Upper

75 100

110 6.1 16.8 50.4#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 1.803 ug/l

RT: 7.488 min Scan# 941

Delta R.T. -0.065 min

Lab File: VN086350.D

Acq: 18 Apr 2025 17:44

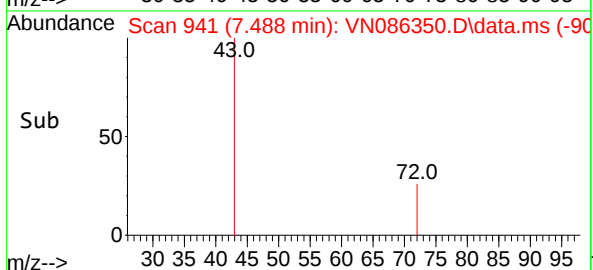
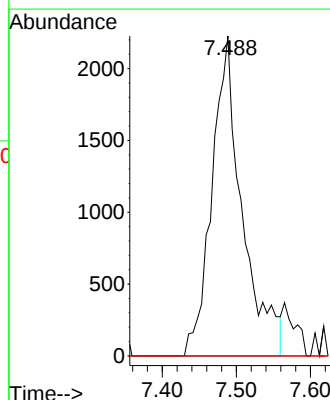
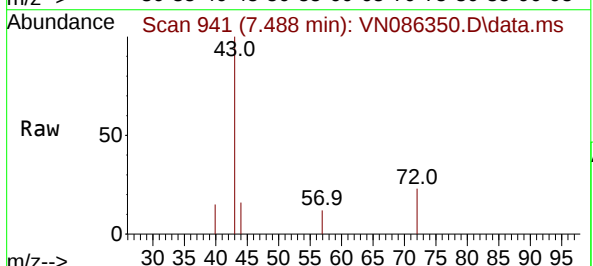
Tgt Ion: 43 Resp: 6302

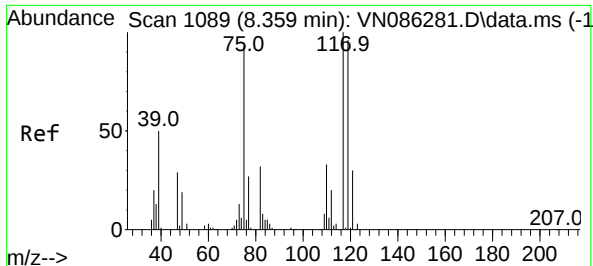
Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

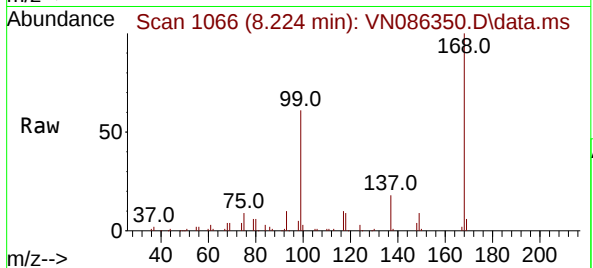
70 0.0 9.2 13.8#



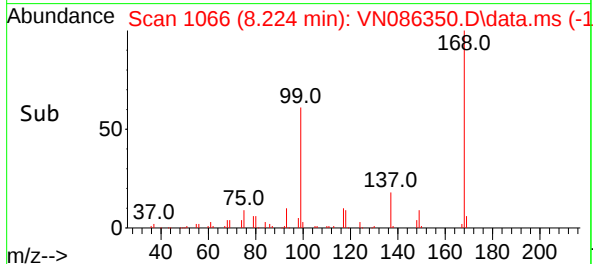
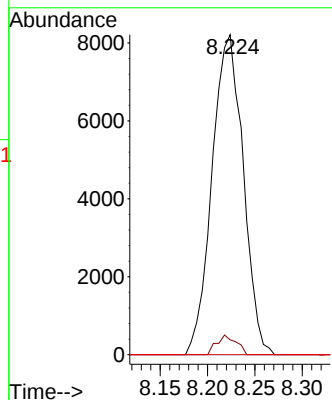


#38
Carbon Tetrachloride
Concen: 5.943 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN086350.D
Acq: 18 Apr 2025 17:44

Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#15

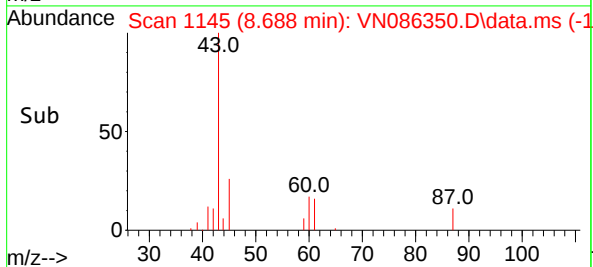
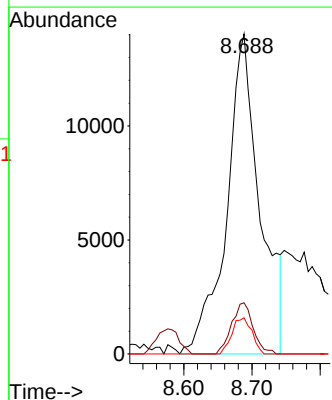
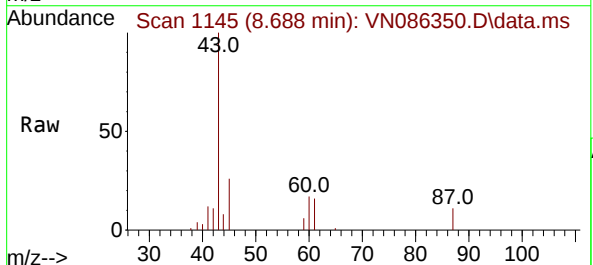


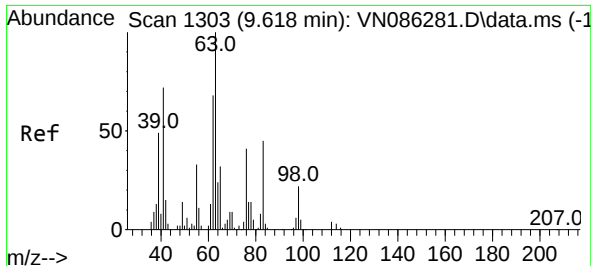
Tgt Ion:117 Resp: 18793
Ion Ratio Lower Upper
117 100
119 4.7 76.8 115.2#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: 5.789 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN086350.D
Acq: 18 Apr 2025 17:44

Tgt Ion: 43 Resp: 47370
Ion Ratio Lower Upper
43 100
61 10.4 20.5 30.7#
87 6.8 10.5 15.7#





#45

1,2-Dichloropropane

Concen: 0.373 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.124 min

Lab File: VN086350.D

Acq: 18 Apr 2025 17:44

Instrument :

MSVOA_N

ClientSampleId :

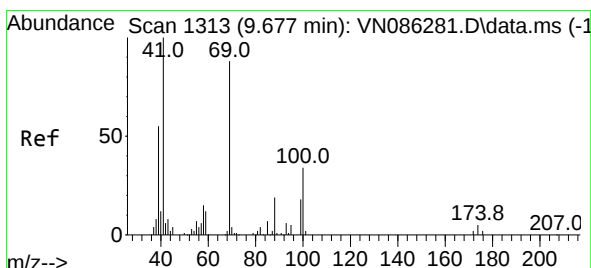
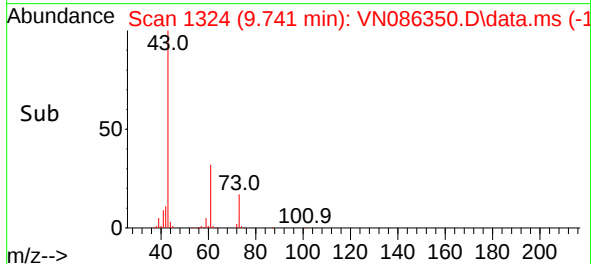
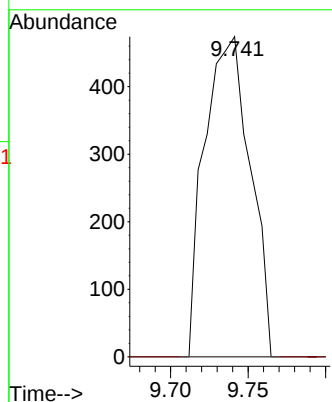
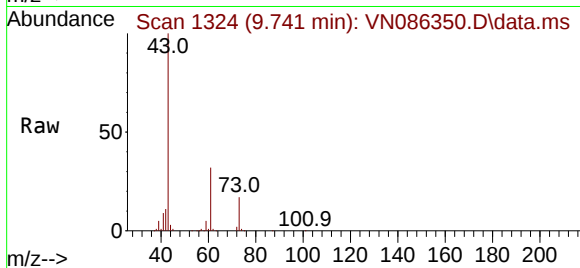
PB167623ZHE#15

Tgt Ion: 63 Resp: 972

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.2#



#48

Methyl methacrylate

Concen: 22.175 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.059 min

Lab File: VN086350.D

Acq: 18 Apr 2025 17:44

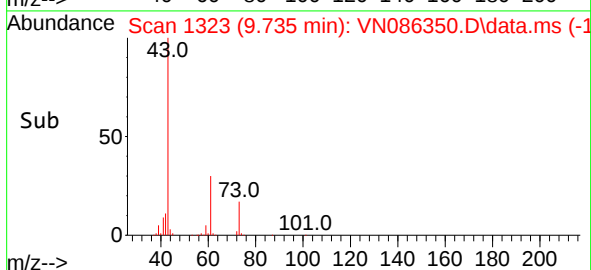
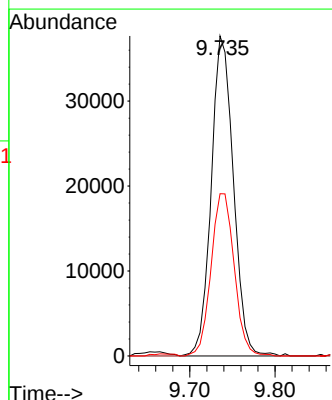
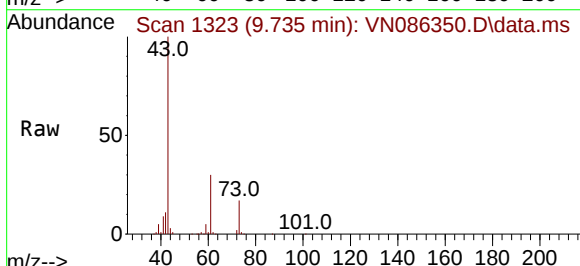
Tgt Ion: 41 Resp: 68077

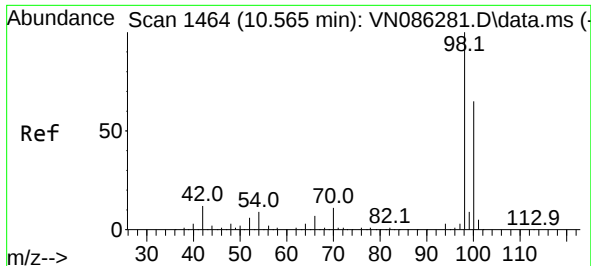
Ion Ratio Lower Upper

41 100

69 0.0 68.2 102.2#

39 53.1 45.2 67.8

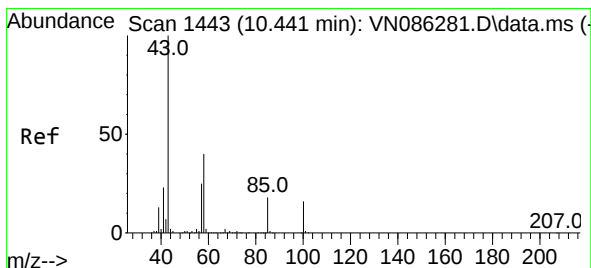
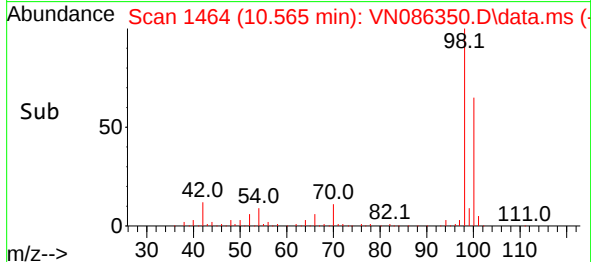
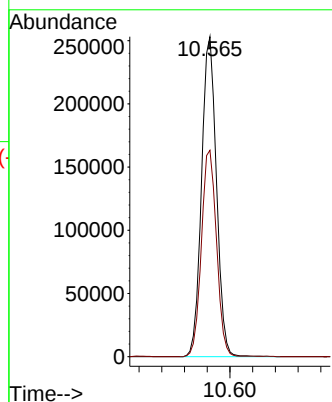
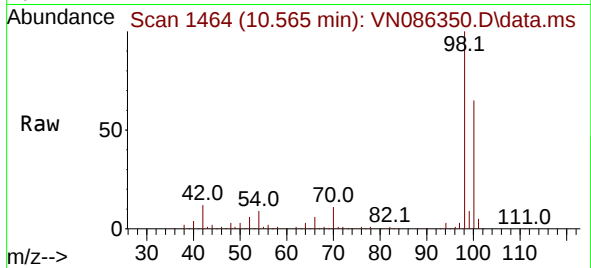




#50
Toluene-d8
Concen: 51.805 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086350.D
Acq: 18 Apr 2025 17:44

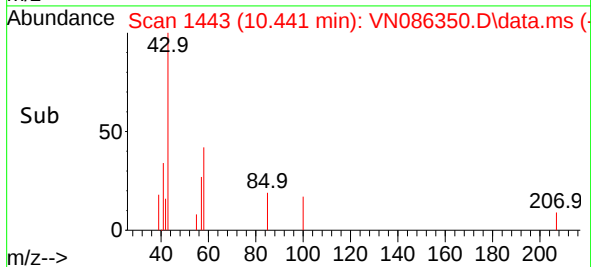
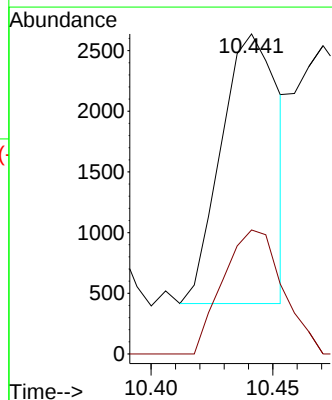
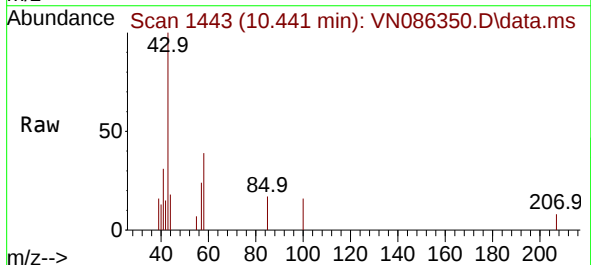
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#15

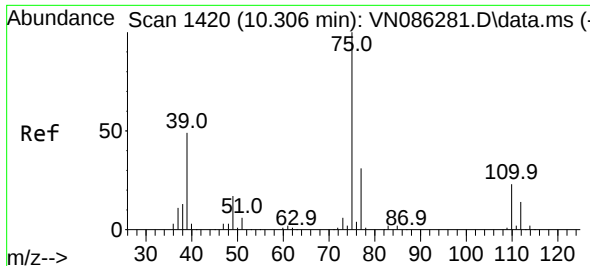
Tgt Ion: 98 Resp: 460286
Ion Ratio Lower Upper
98 100
100 65.6 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.012 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN086350.D
Acq: 18 Apr 2025 17:44

Tgt Ion: 43 Resp: 3622
Ion Ratio Lower Upper
43 100
58 48.2 32.2 48.4

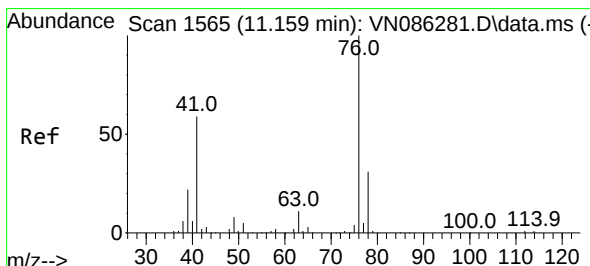
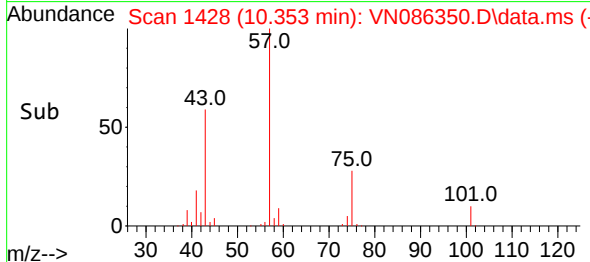
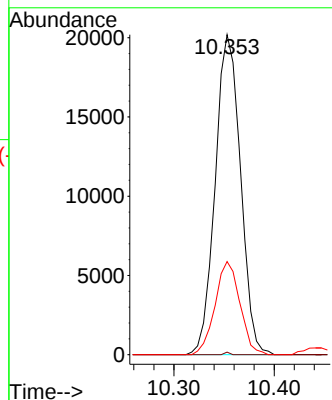
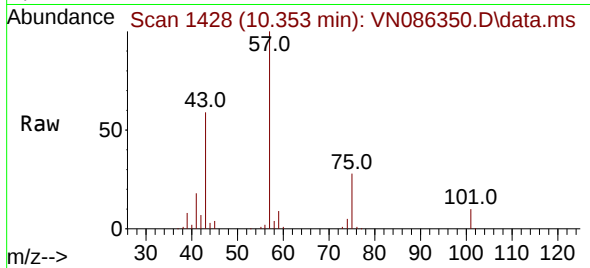




#54
 cis-1,3-Dichloropropene
 Concen: 8.038 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN086350.D
 Acq: 18 Apr 2025 17:44

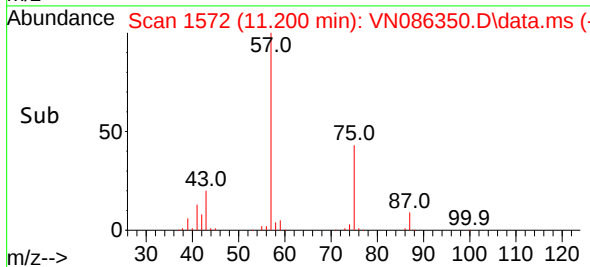
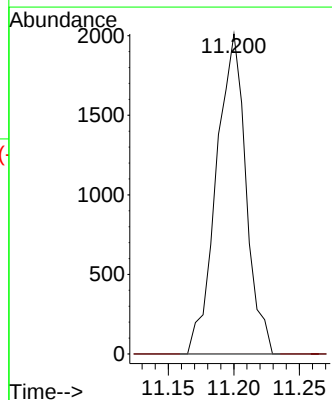
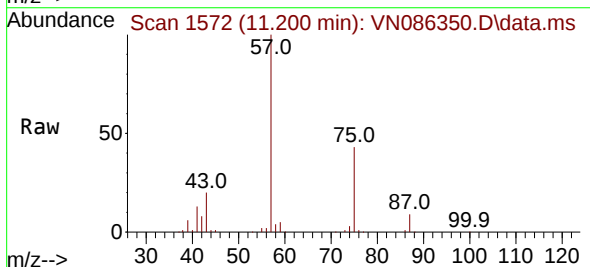
Instrument :
 MSVOA_N
 ClientSampleId :
 PB167623ZHE#15

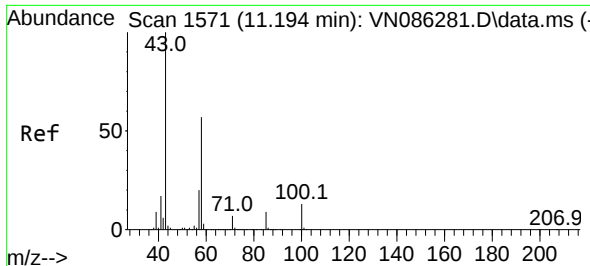
Tgt Ion: 75 Resp: 35316
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.2 37.8#
 39 29.1 39.3 58.9#



#57
 1,3-Dichloropropane
 Concen: 0.746 ug/l
 RT: 11.200 min Scan# 1572
 Delta R.T. 0.041 min
 Lab File: VN086350.D
 Acq: 18 Apr 2025 17:44

Tgt Ion: 76 Resp: 3160
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#

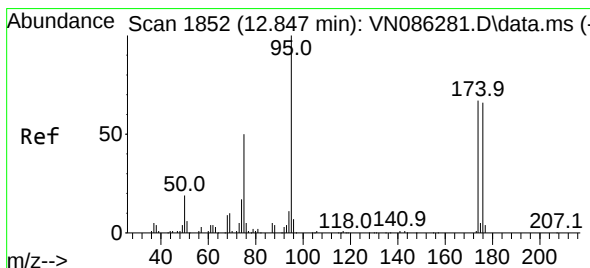
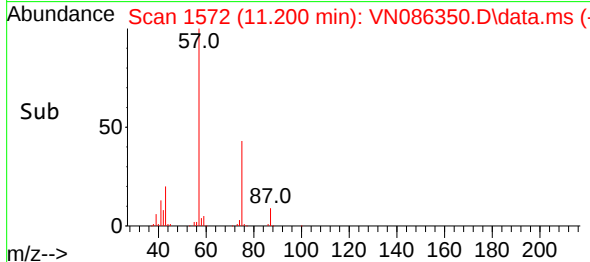
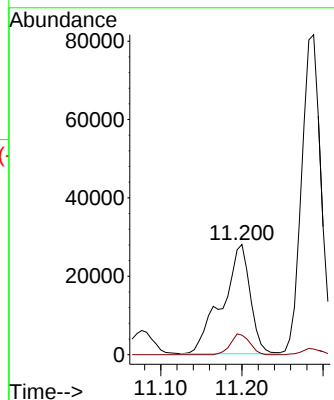
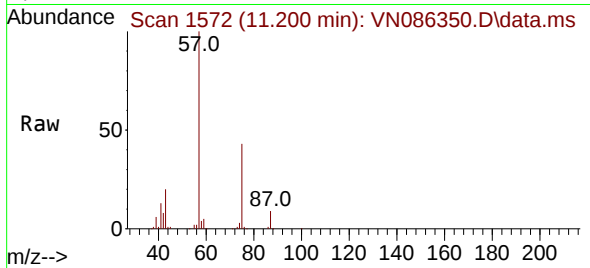




#59
2-Hexanone
Concen: 25.126 ug/l
RT: 11.200 min Scan# 1157
Delta R.T. 0.006 min
Lab File: VN086350.D
Acq: 18 Apr 2025 17:44

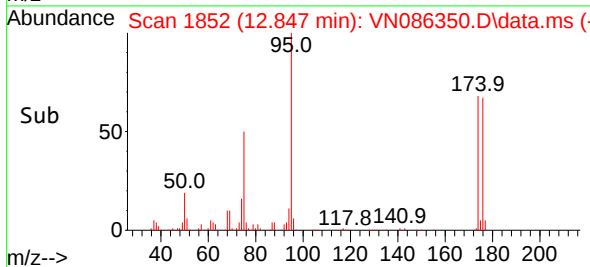
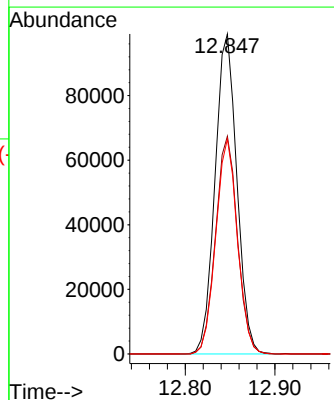
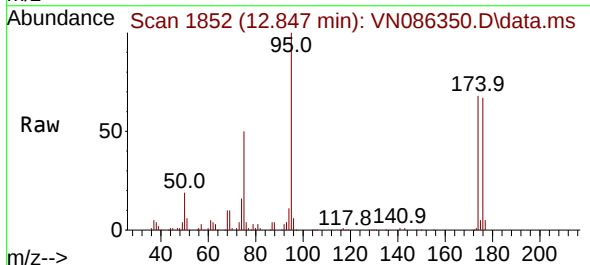
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#15

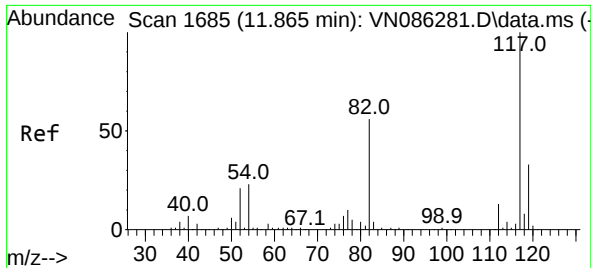
Tgt Ion: 43 Resp: 66715
Ion Ratio Lower Upper
43 100
58 13.0 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: 51.652 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086350.D
Acq: 18 Apr 2025 17:44

Tgt Ion: 95 Resp: 167391
Ion Ratio Lower Upper
95 100
174 68.0 0.0 133.4
176 66.5 0.0 129.2

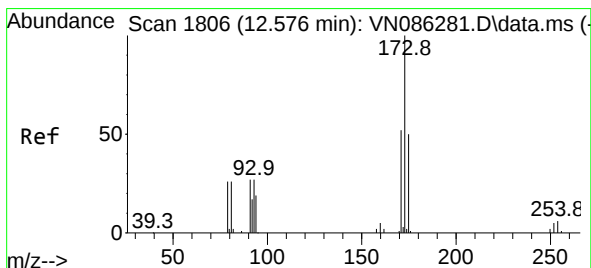
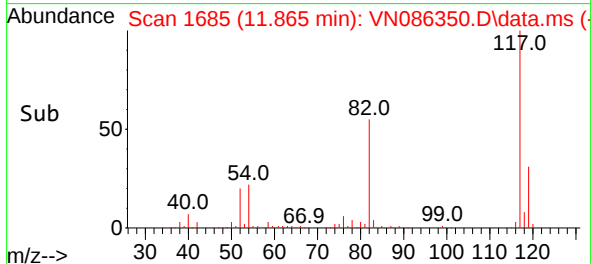
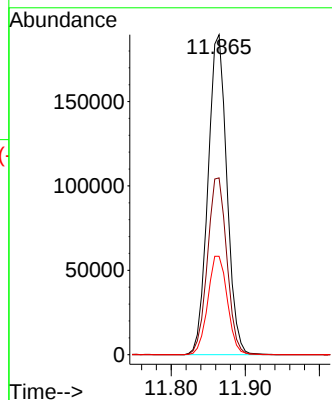
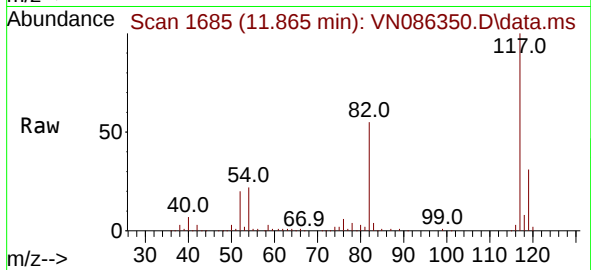




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN086350.D
Acq: 18 Apr 2025 17:44

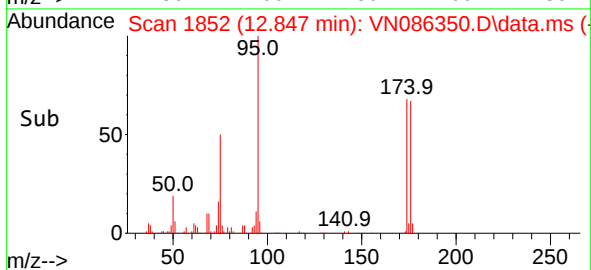
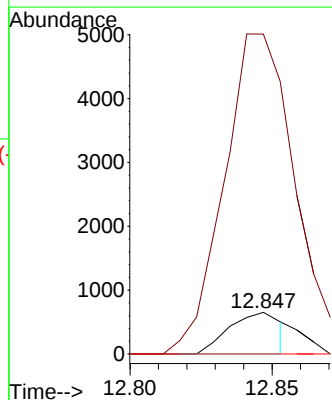
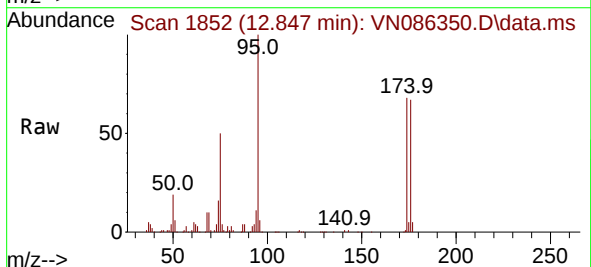
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#15

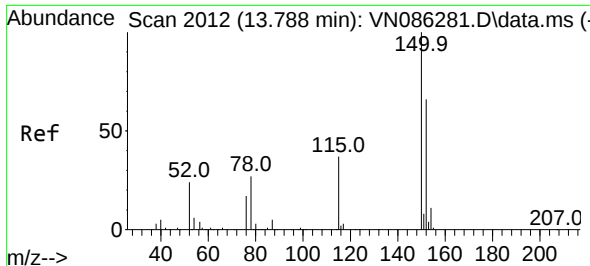
Tgt Ion:117 Resp: 335469
Ion Ratio Lower Upper
117 100
82 55.2 44.7 67.1
119 30.8 26.4 39.6



#71
Bromoform
Concen: 0.445 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN086350.D
Acq: 18 Apr 2025 17:44

Tgt Ion:173 Resp: 828
Ion Ratio Lower Upper
173 100
175 856.6 24.6 73.6#
254 0.0 0.0 0.0

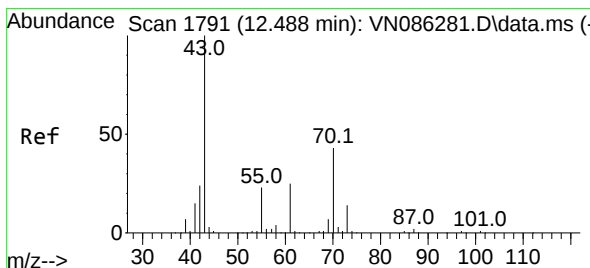
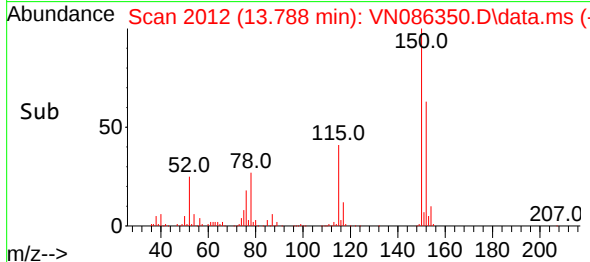
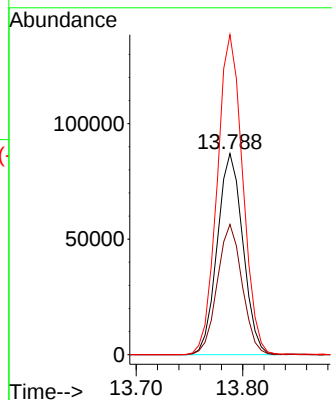
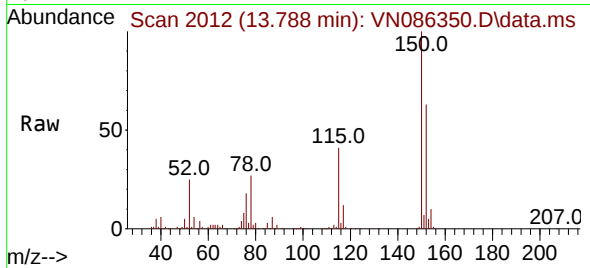




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN086350.D
 Acq: 18 Apr 2025 17:44

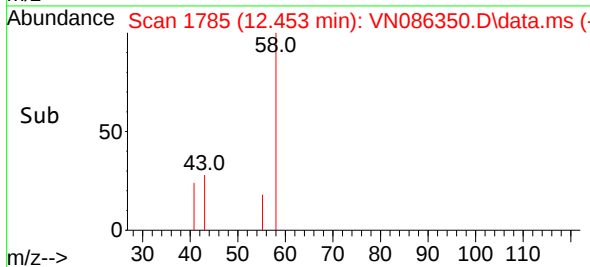
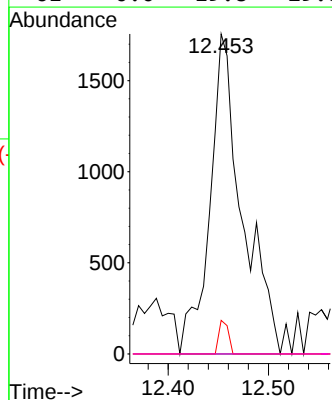
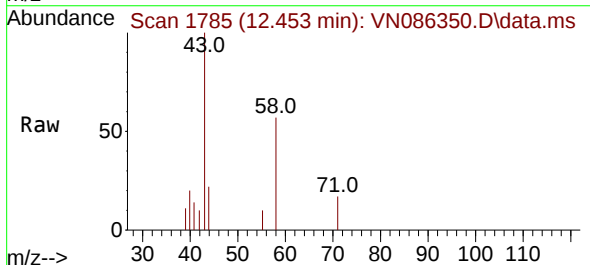
Instrument :
 MSVOA_N
 ClientSampleId :
 PB167623ZHE#15

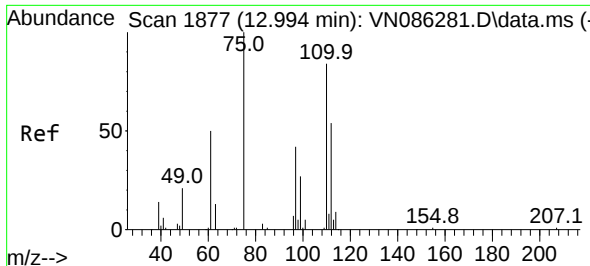
Tgt Ion:152 Resp: 145310
 Ion Ratio Lower Upper
 152 100
 115 62.9 31.9 95.9
 150 159.0 0.0 352.0



#74
 N-ethyl acetate
 Concen: 0.666 ug/l
 RT: 12.453 min Scan# 1785
 Delta R.T. -0.035 min
 Lab File: VN086350.D
 Acq: 18 Apr 2025 17:44

Tgt Ion: 43 Resp: 3940
 Ion Ratio Lower Upper
 43 100
 70 0.0 35.0 52.4#
 55 3.0 19.0 28.4#
 61 0.0 19.8 29.8#

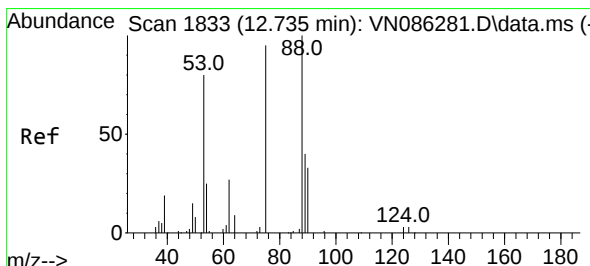
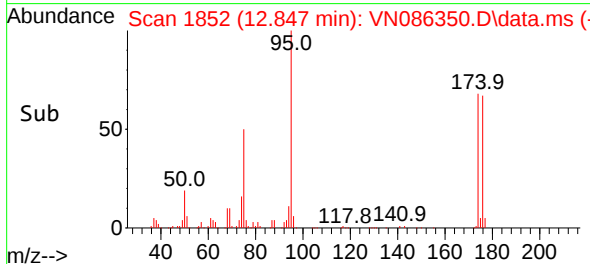
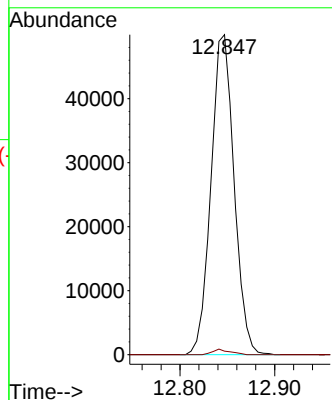
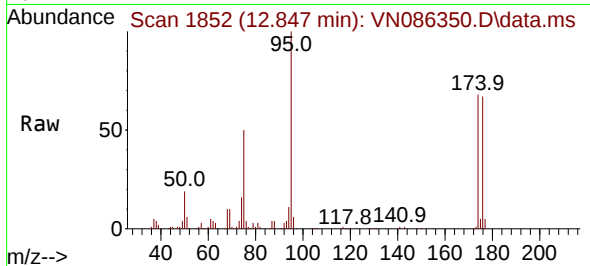




#76
1,2,3-Trichloropropane
Concen: 24.734 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086350.D
Acq: 18 Apr 2025 17:44

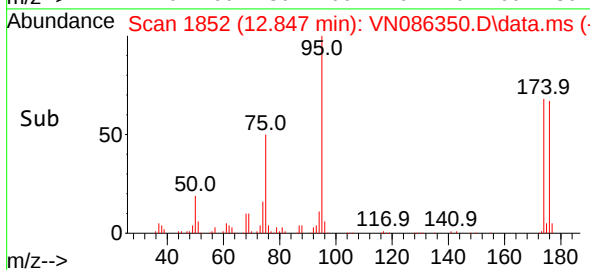
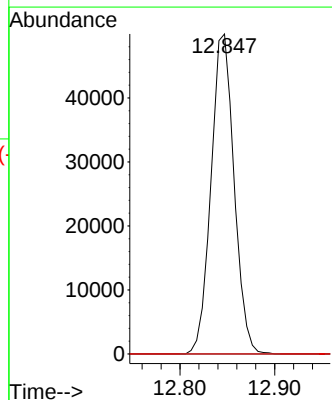
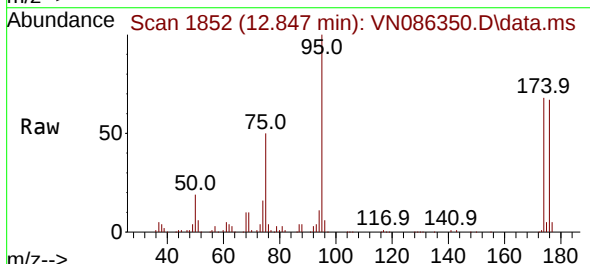
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#15

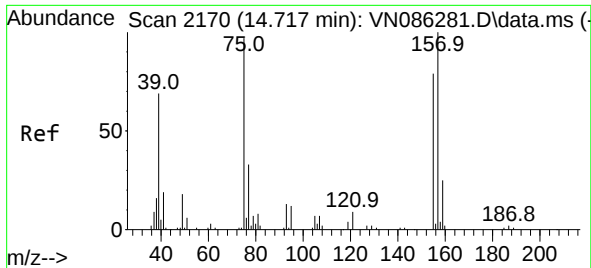
Tgt Ion: 75 Resp: 84814
Ion Ratio Lower Upper
75 100
77 1.3 98.8 296.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.401 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086350.D
Acq: 18 Apr 2025 17:44

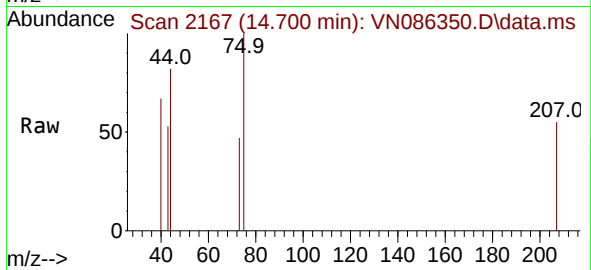
Tgt Ion: 75 Resp: 84814
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.740 ug/l
 RT: 14.700 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: VN086350.D
 Acq: 18 Apr 2025 17:44

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167623ZHE#15



Tgt Ion: 75 Resp: 510
 Ion Ratio Lower Upper
 75 100
 155 0.0 40.3 120.9#
 157 0.0 49.0 147.2#

