

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041825\
 Data File : VN086343.D
 Acq On : 18 Apr 2025 14:55
 Operator : JC\MD
 Sample : PB167623ZHE#08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167623ZHE#08

Quant Time: Apr 19 02:25:46 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)

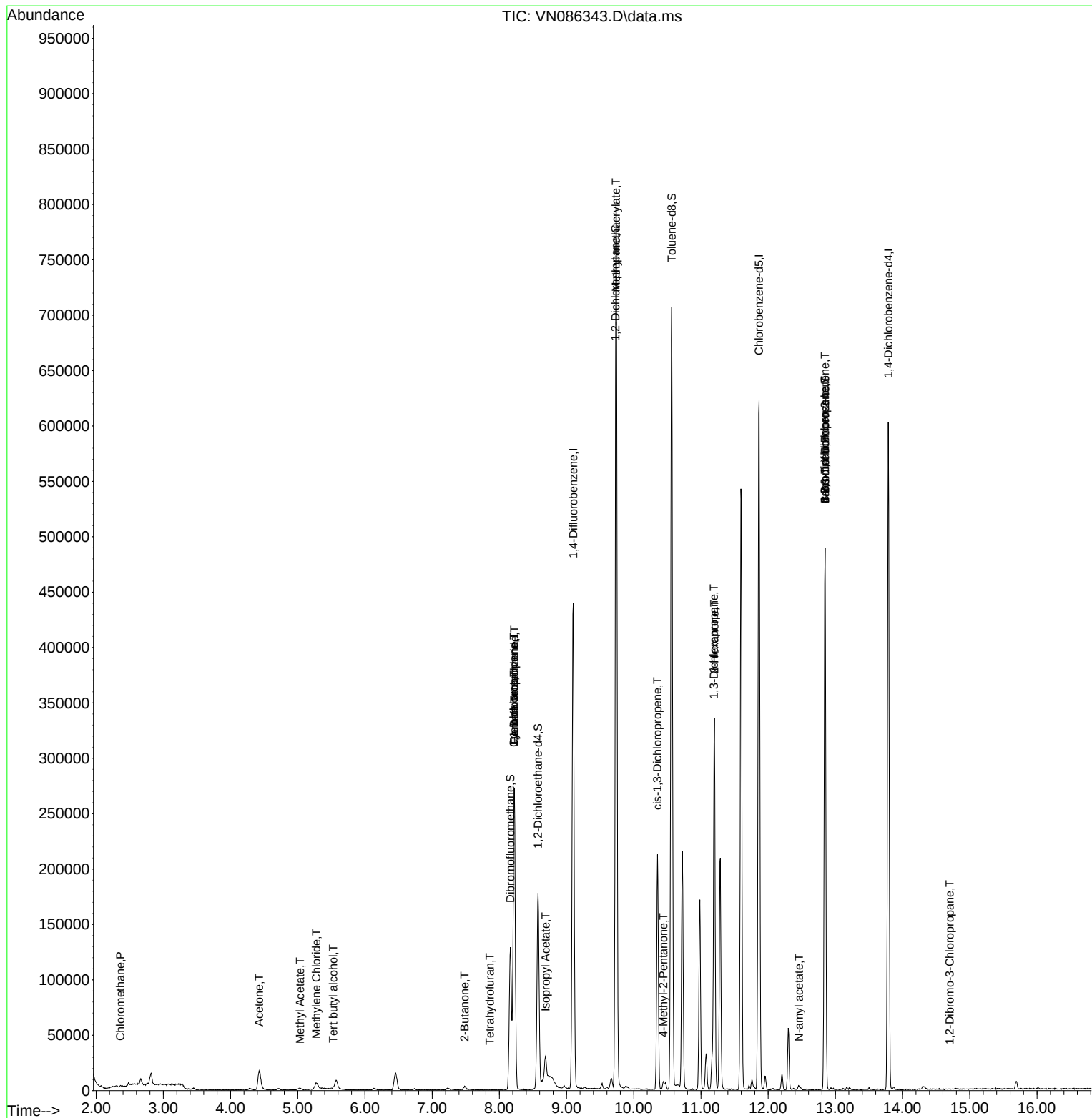
Internal Standards						
1) Pentafluorobenzene	8.224	168	200957	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	387038	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	368358	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	162236	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	145569	49.954	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.900%
35) Dibromofluoromethane	8.165	113	95735	53.296	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.600%
50) Toluene-d8	10.565	98	498811	51.958	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.920%
62) 4-Bromofluorobenzene	12.847	95	182390	52.087	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	104.180%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	922	0.266	ug/l	94
11) Tert butyl alcohol	5.530	59	404	0.760	ug/l #	72
16) Acetone	4.424	43	34626	29.331	ug/l	94
18) Methyl Acetate	5.036	43	4007	1.146	ug/l #	65
20) Methylene Chloride	5.277	84	4567	1.695	ug/l	93
25) 2-Butanone	7.483	43	6492	3.579	ug/l	91
29) Tetrahydrofuran	7.859	42	481	0.397	ug/l #	32
31) Cyclohexane	8.218	56	4739	1.003	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	17270	4.814	ug/l #	51
38) Carbon Tetrachloride	8.224	117	20538	6.011	ug/l #	15
43) Isopropyl Acetate	8.688	43	47226	5.195	ug/l #	76
45) 1,2-Dichloropropane	9.730	63	1118	0.397	ug/l #	43
48) Methyl methacrylate	9.735	41	73218	22.073	ug/l #	41
51) 4-Methyl-2-Pentanone	10.441	43	5302	1.371	ug/l	91
54) cis-1,3-Dichloropropene	10.353	75	39901	8.405	ug/l #	57
57) 1,3-Dichloropropane	11.194	76	3281	0.717	ug/l #	43
59) 2-Hexanone	11.200	43	69564	24.247	ug/l #	41
71) Bromoform	12.847	173	806	0.395	ug/l #	1
74) N-amyl acetate	12.459	43	4116	0.623	ug/l #	43
76) 1,2,3-Trichloropropane	12.847	75	93527	24.429	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	93527	58.669	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.700	75	433	0.563	ug/l #	5

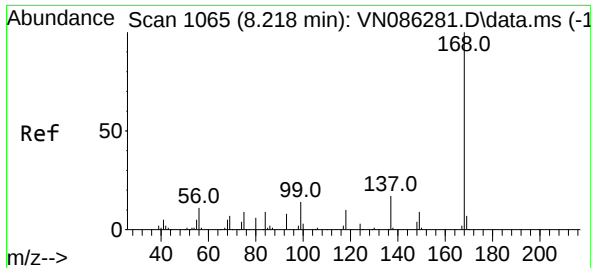
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041825\
Data File : VN086343.D
Acq On : 18 Apr 2025 14:55
Operator : JC\MD
Sample : PB167623ZHE#08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#08

Quant Time: Apr 19 02:25:46 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

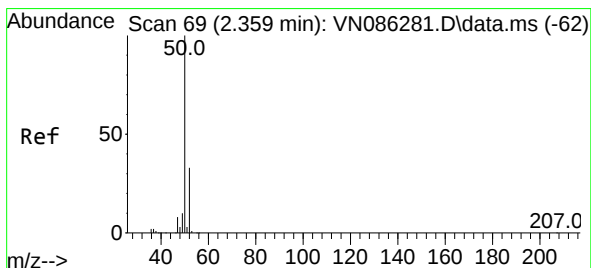
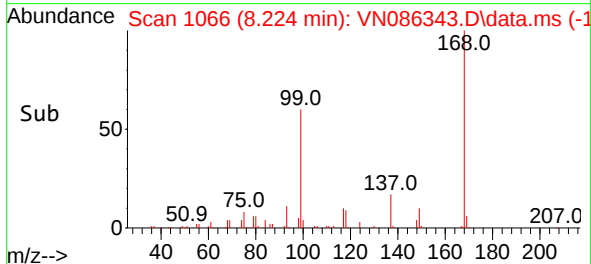
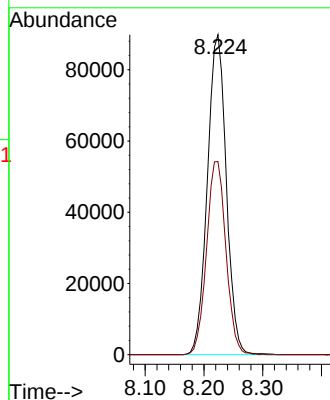
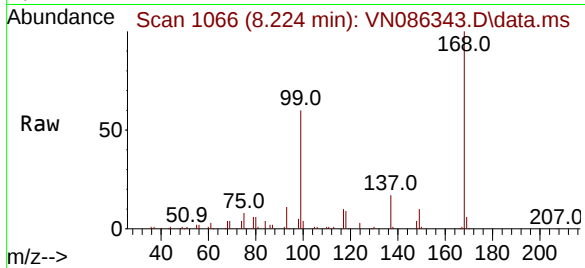




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086343.D
Acq: 18 Apr 2025 14:55

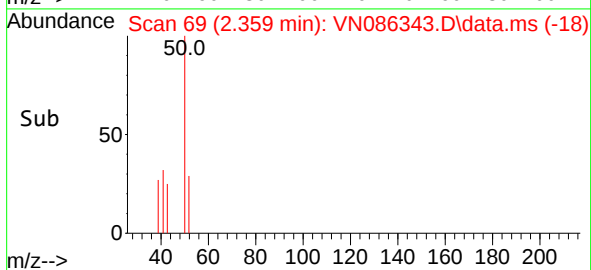
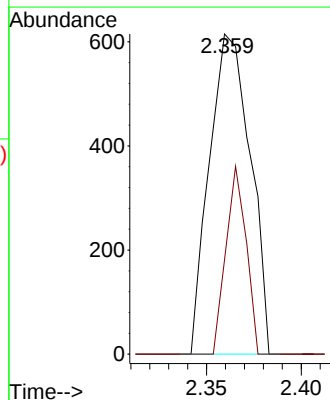
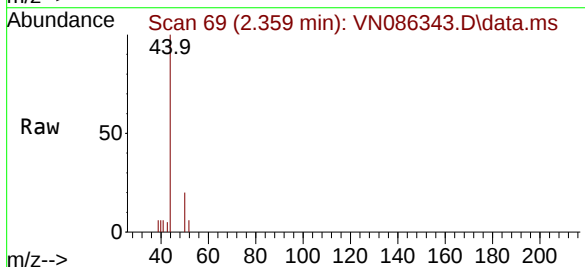
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#08

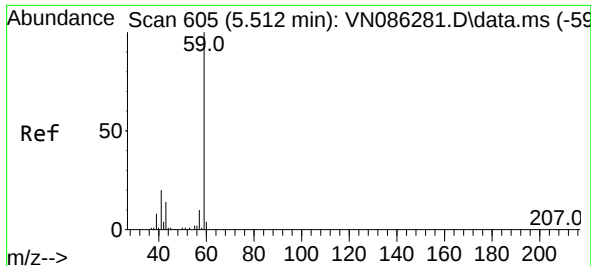
Tgt Ion:168 Resp: 200957
Ion Ratio Lower Upper
168 100
99 60.4 52.5 78.7



#3
Chloromethane
Concen: 0.266 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN086343.D
Acq: 18 Apr 2025 14:55

Tgt Ion: 50 Resp: 922
Ion Ratio Lower Upper
50 100
52 29.4 26.5 39.7

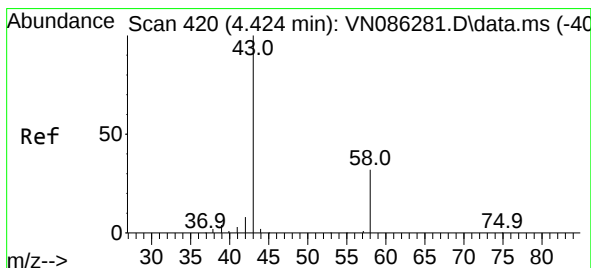
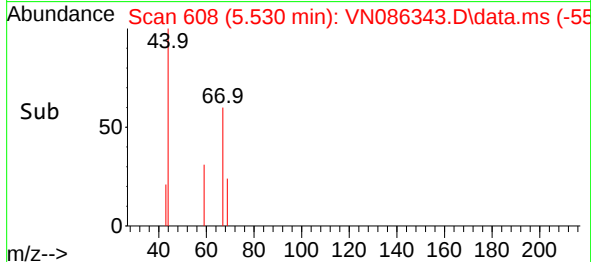
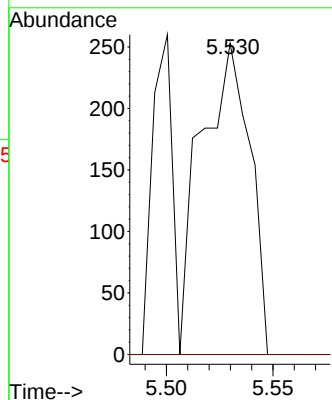
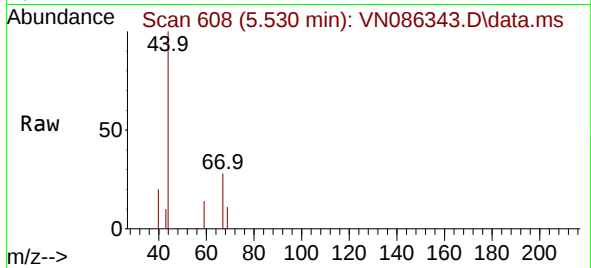




#11
Tert butyl alcohol
Concen: 0.760 ug/l
RT: 5.530 min Scan# 605
Delta R.T. 0.018 min
Lab File: VN086343.D
Acq: 18 Apr 2025 14:55

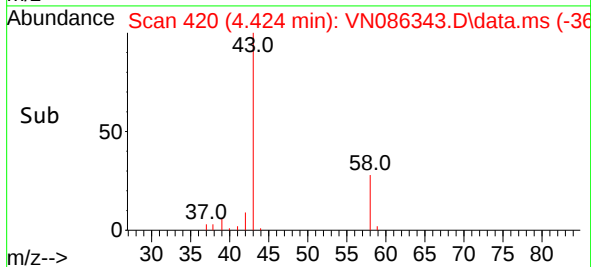
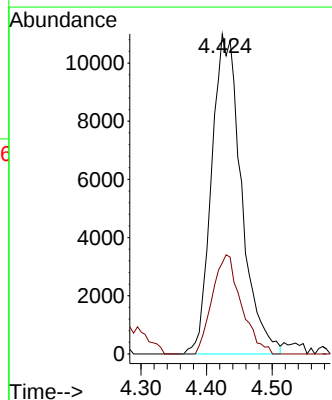
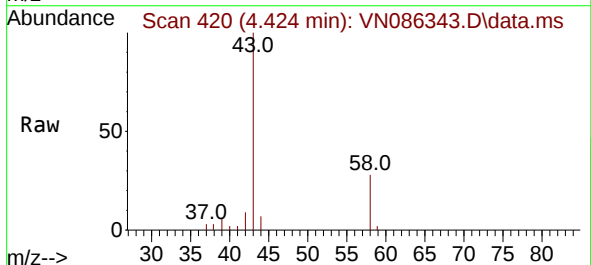
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#08

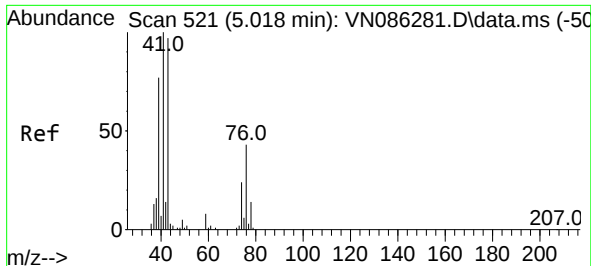
Tgt Ion: 59 Resp: 404
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 29.331 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN086343.D
Acq: 18 Apr 2025 14:55

Tgt Ion: 43 Resp: 34626
Ion Ratio Lower Upper
43 100
58 28.5 25.3 37.9





#18

Methyl Acetate

Concen: 1.146 ug/l

RT: 5.036 min Scan# 51

Delta R.T. 0.018 min

Lab File: VN086343.D

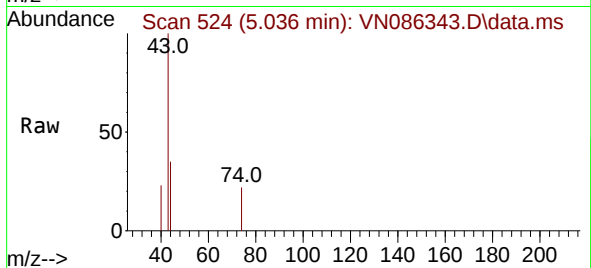
Acq: 18 Apr 2025 14:55

Instrument :

MSVOA_N

ClientSampleId :

PB167623ZHE#08

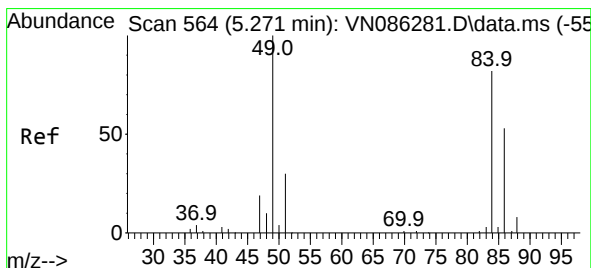
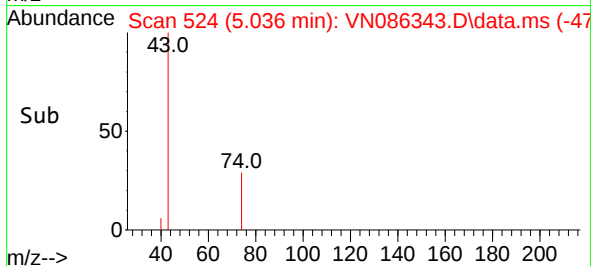
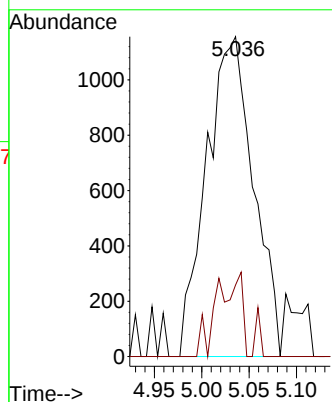


Tgt Ion: 43 Resp: 4007

Ion Ratio Lower Upper

43 100

74 7.1 19.8 29.6#



#20

Methylene Chloride

Concen: 1.695 ug/l

RT: 5.277 min Scan# 565

Delta R.T. 0.006 min

Lab File: VN086343.D

Acq: 18 Apr 2025 14:55

Tgt Ion: 84 Resp: 4567

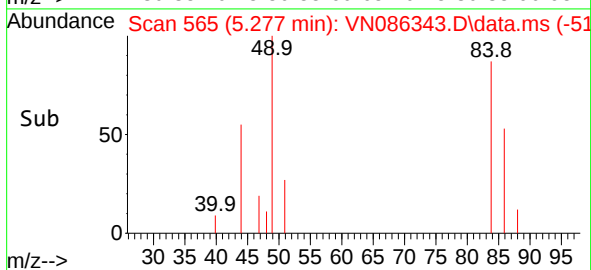
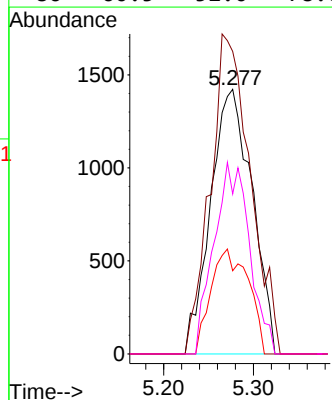
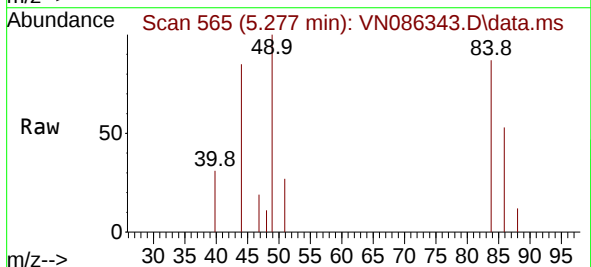
Ion Ratio Lower Upper

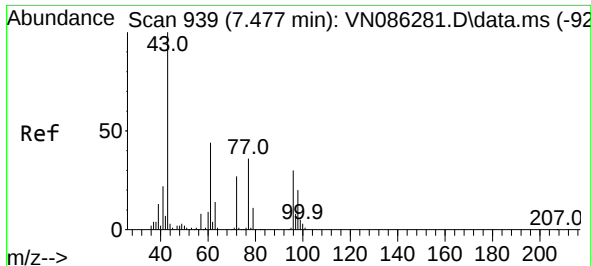
84 100

49 114.3 98.2 147.2

51 31.4 29.8 44.6

86 60.5 52.0 78.0

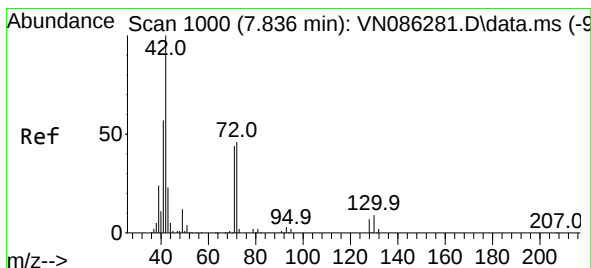
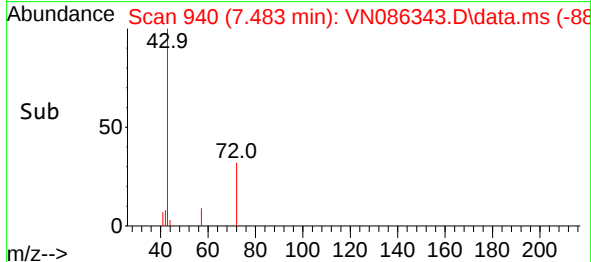
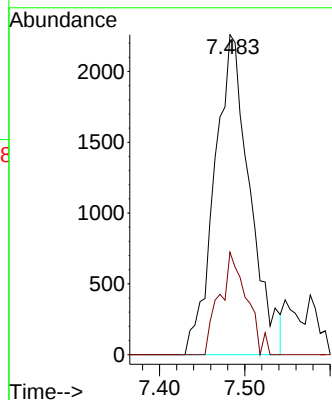
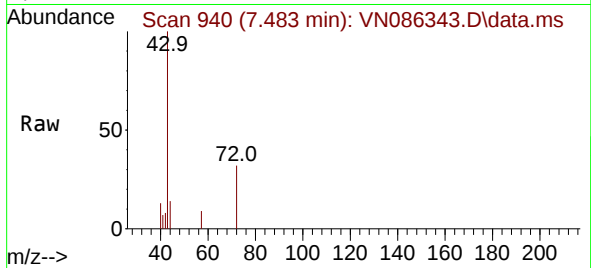




#25
2-Butanone
Concen: 3.579 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN086343.D
Acq: 18 Apr 2025 14:55

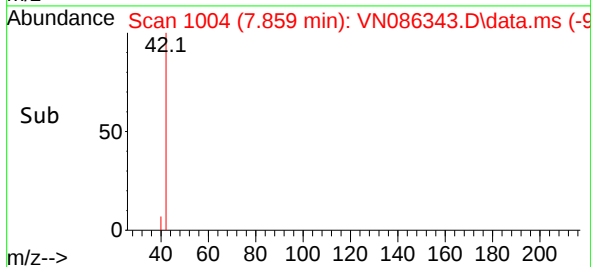
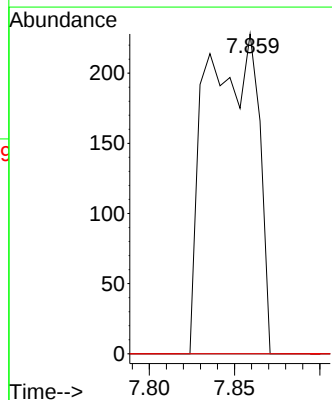
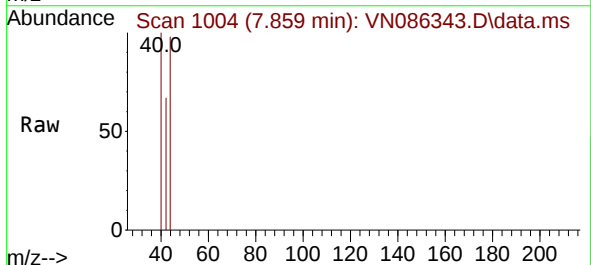
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#08

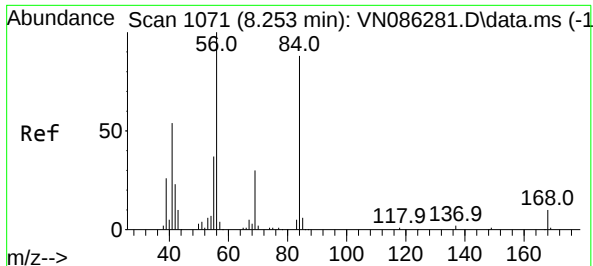
Tgt Ion: 43 Resp: 6492
Ion Ratio Lower Upper
43 100
72 32.0 21.7 32.5



#29
Tetrahydrofuran
Concen: 0.397 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.024 min
Lab File: VN086343.D
Acq: 18 Apr 2025 14:55

Tgt Ion: 42 Resp: 481
Ion Ratio Lower Upper
42 100
72 0.0 36.2 54.4#
71 0.0 34.0 51.0#

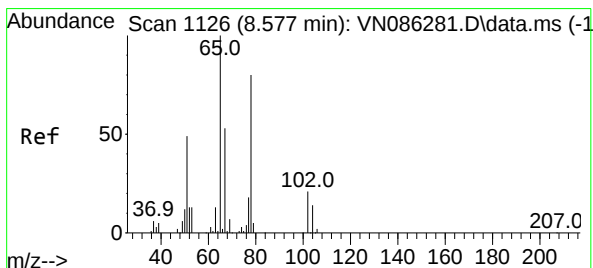
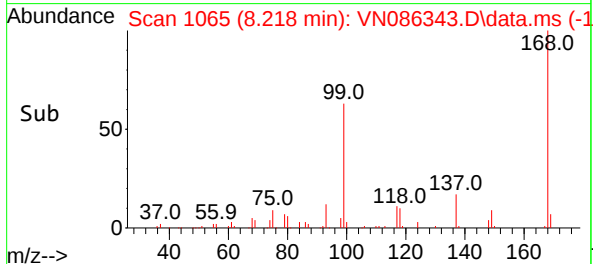
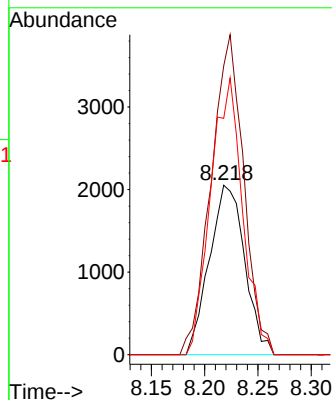
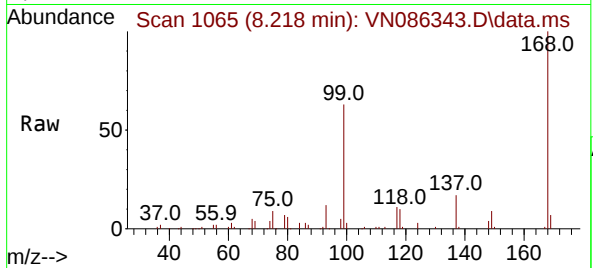




#31
Cyclohexane
Concen: 1.003 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086343.D
Acq: 18 Apr 2025 14:55

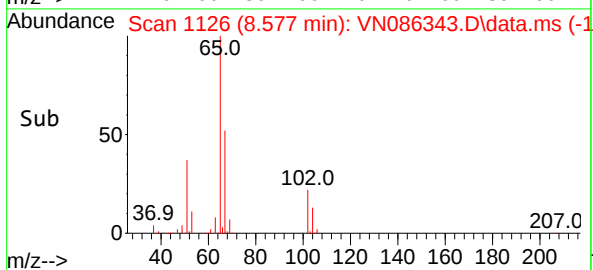
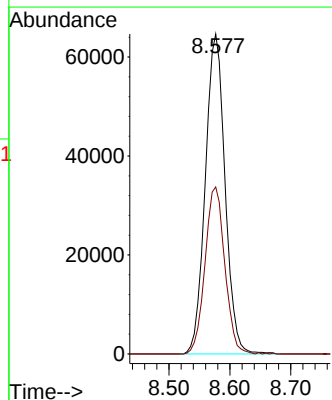
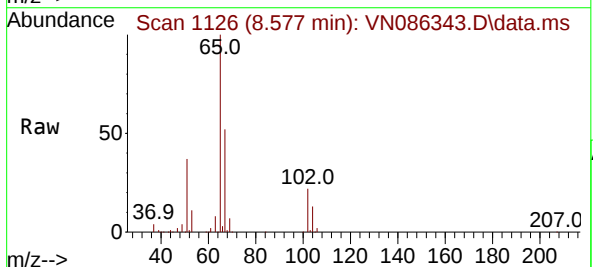
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#08

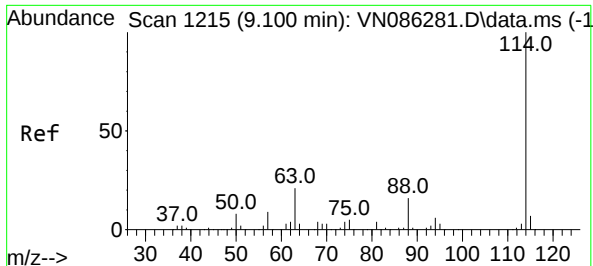
Tgt Ion: 56 Resp: 4739
Ion Ratio Lower Upper
56 100
69 170.4 24.2 36.2#
84 139.4 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 49.954 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086343.D
Acq: 18 Apr 2025 14:55

Tgt Ion: 65 Resp: 145569
Ion Ratio Lower Upper
65 100
67 52.2 0.0 106.0

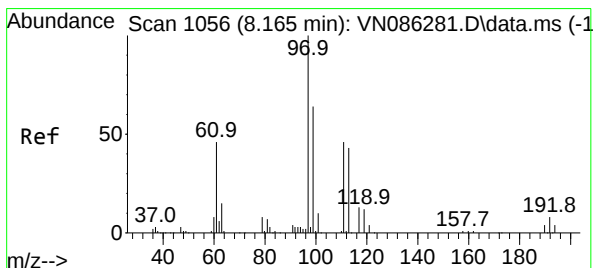
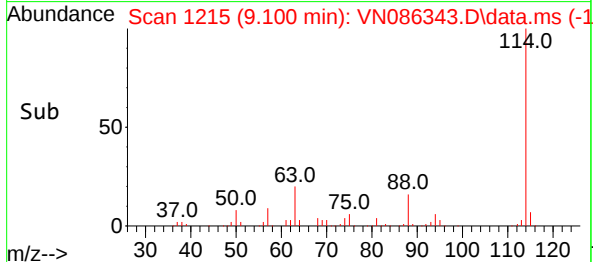
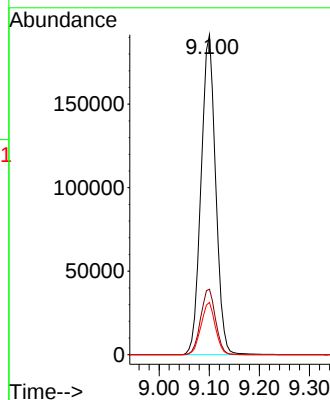
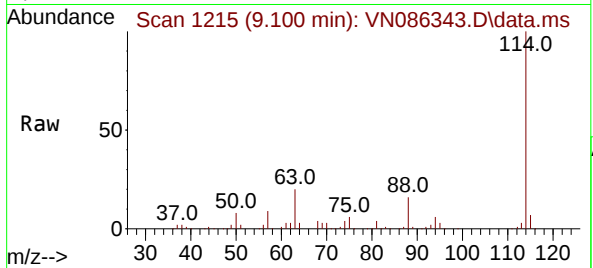




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086343.D
Acq: 18 Apr 2025 14:55

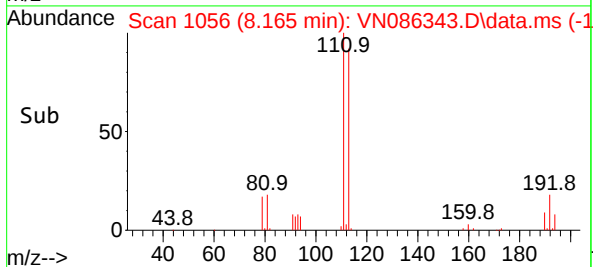
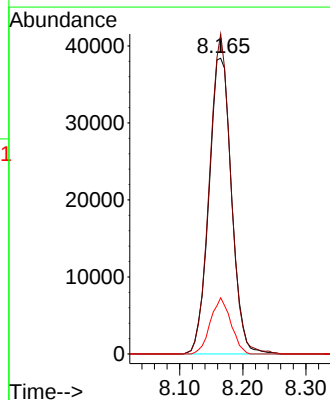
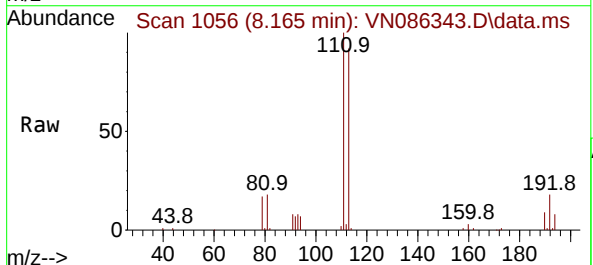
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#08

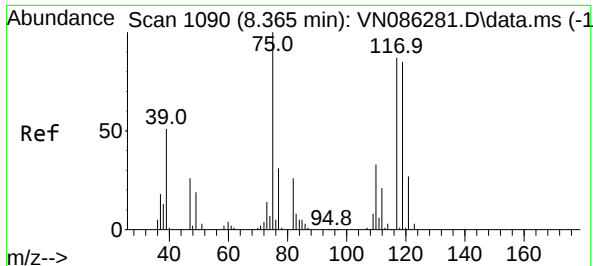
Tgt Ion:114 Resp: 387038
Ion Ratio Lower Upper
114 100
63 20.4 0.0 42.6
88 16.4 0.0 31.8



#35
Dibromofluoromethane
Concen: 53.296 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN086343.D
Acq: 18 Apr 2025 14:55

Tgt Ion:113 Resp: 95735
Ion Ratio Lower Upper
113 100
111 102.4 83.4 125.0
192 17.1 13.7 20.5

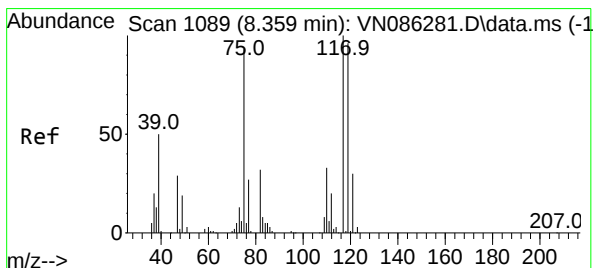
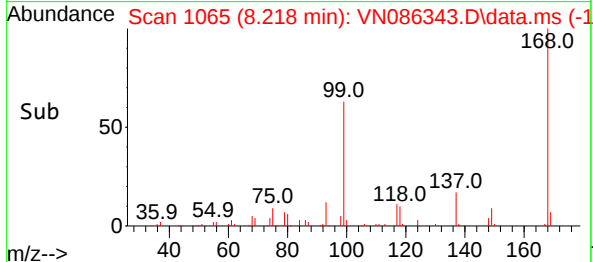
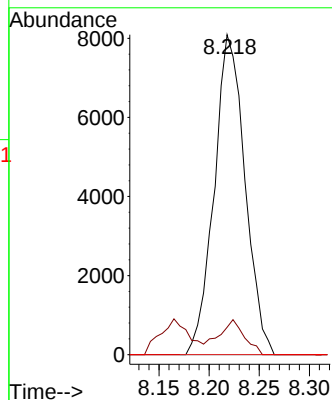
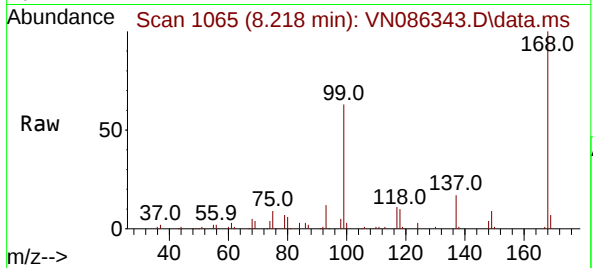




#36
1,1-Dichloropropene
Concen: 4.814 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN086343.D
Acq: 18 Apr 2025 14:55

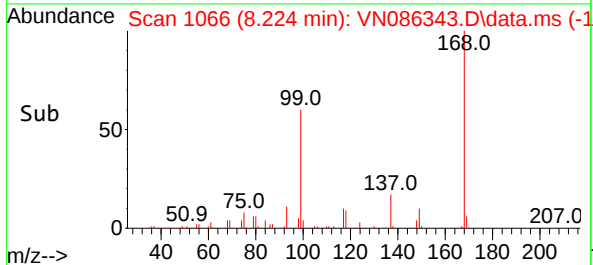
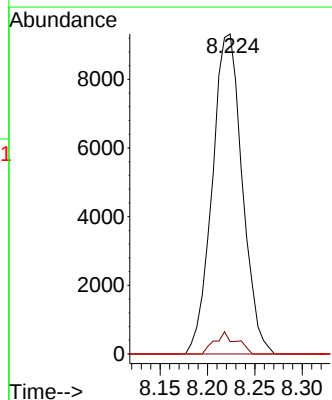
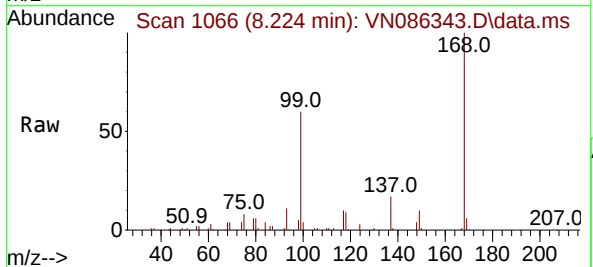
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#08

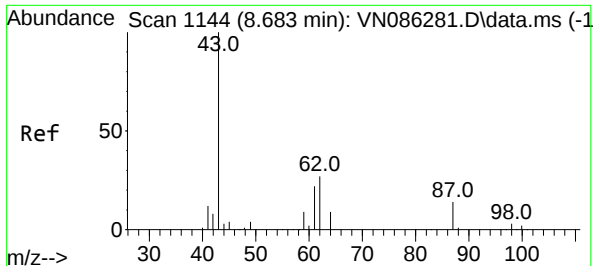
Tgt Ion: 75 Resp: 17270
Ion Ratio Lower Upper
75 100
110 9.2 16.8 50.4#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 6.011 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN086343.D
Acq: 18 Apr 2025 14:55

Tgt Ion: 117 Resp: 20538
Ion Ratio Lower Upper
117 100
119 3.9 76.8 115.2#
121 0.0 23.8 35.8#





#43

Isopropyl Acetate

Concen: 5.195 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.005 min

Lab File: VN086343.D

Acq: 18 Apr 2025 14:55

Instrument :

MSVOA_N

ClientSampleId :

PB167623ZHE#08

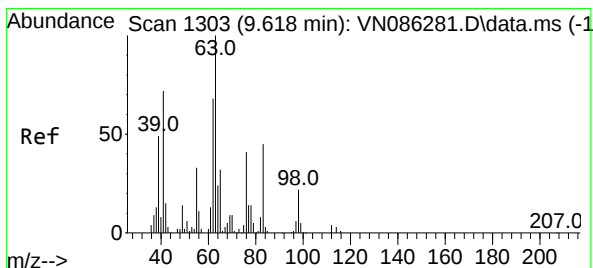
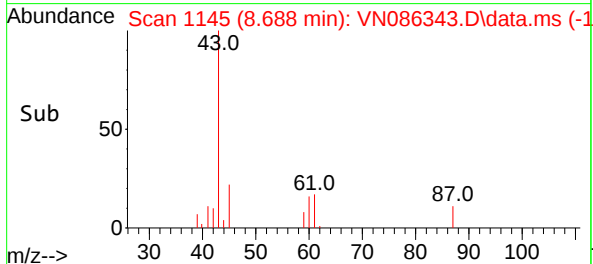
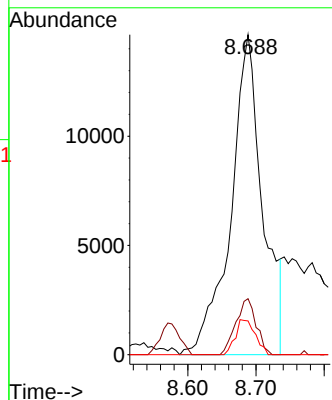
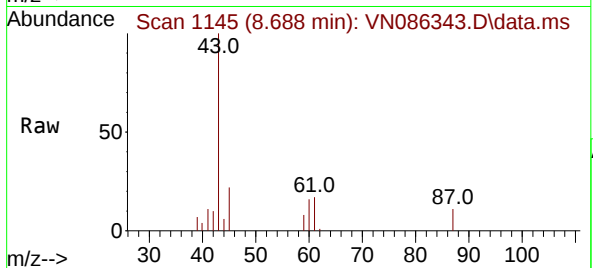
Tgt Ion: 43 Resp: 47226

Ion Ratio Lower Upper

43 100

61 11.3 20.5 30.7#

87 6.8 10.5 15.7#



#45

1,2-Dichloropropane

Concen: 0.397 ug/l

RT: 9.730 min Scan# 1322

Delta R.T. 0.112 min

Lab File: VN086343.D

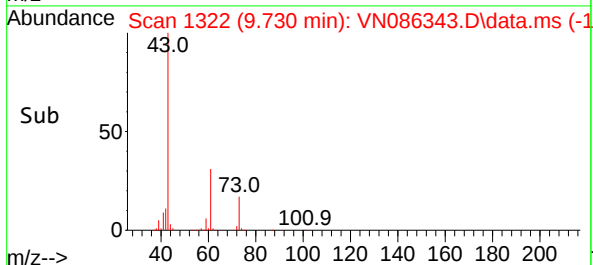
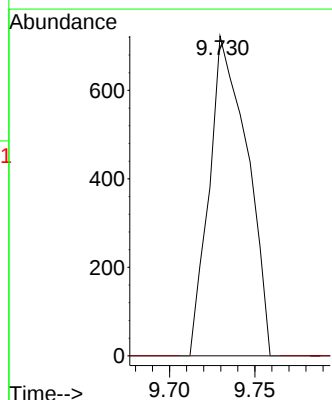
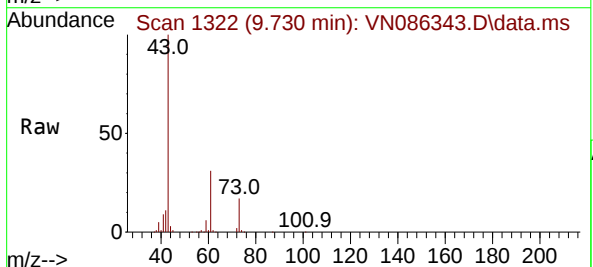
Acq: 18 Apr 2025 14:55

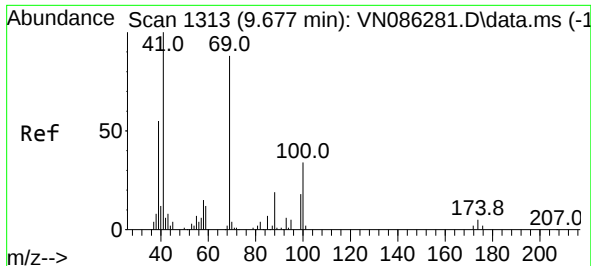
Tgt Ion: 63 Resp: 1118

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.2#

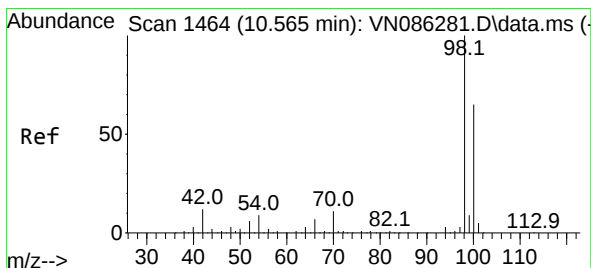
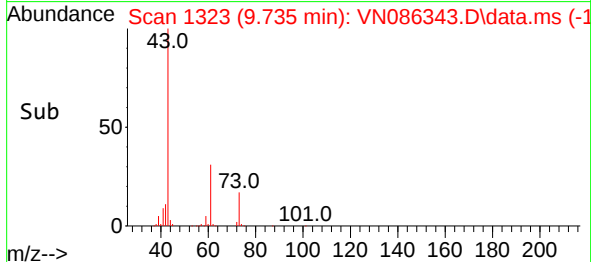
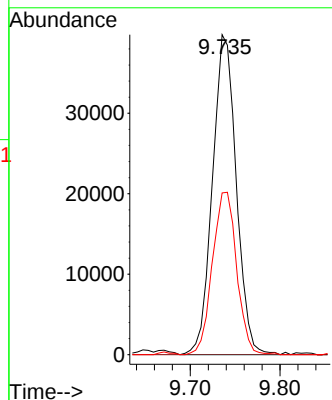
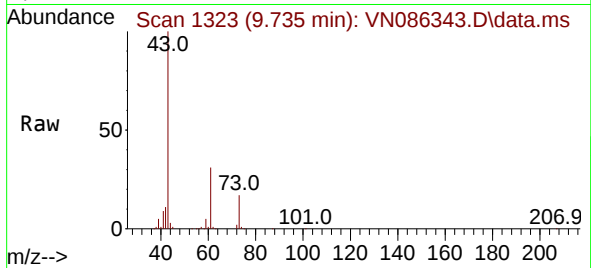




#48
Methyl methacrylate
Concen: 22.073 ug/l
RT: 9.735 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN086343.D
Acq: 18 Apr 2025 14:55

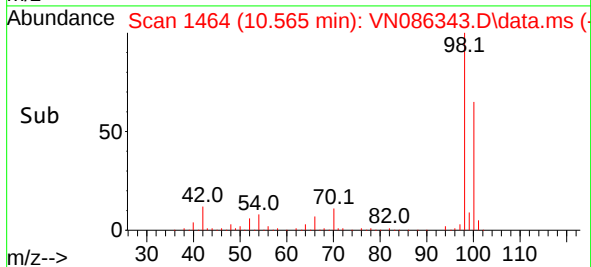
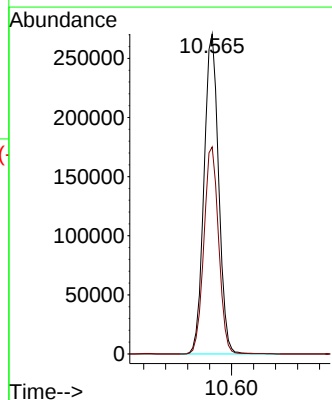
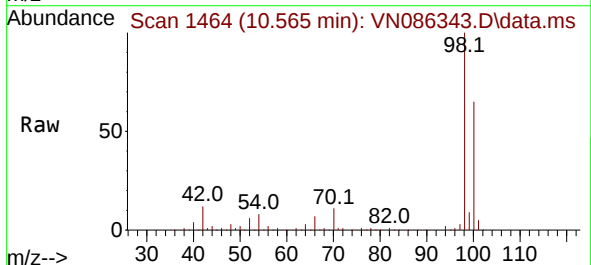
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#08

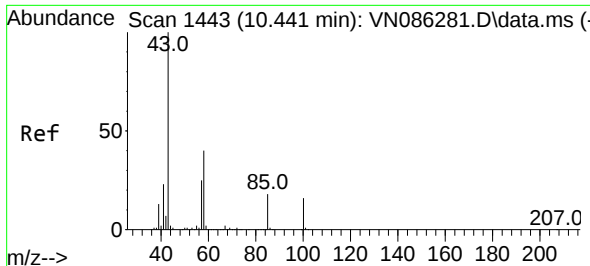
Tgt Ion: 41 Resp: 73218
Ion Ratio Lower Upper
41 100
69 0.0 68.2 102.2#
39 51.8 45.2 67.8



#50
Toluene-d8
Concen: 51.958 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086343.D
Acq: 18 Apr 2025 14:55

Tgt Ion: 98 Resp: 498811
Ion Ratio Lower Upper
98 100
100 65.2 52.5 78.7

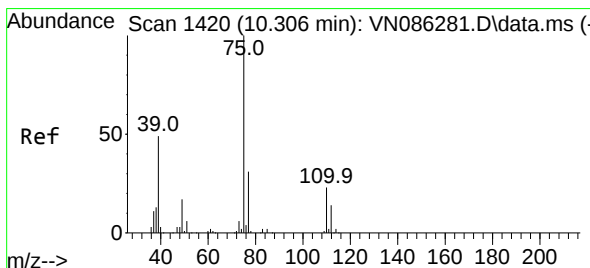
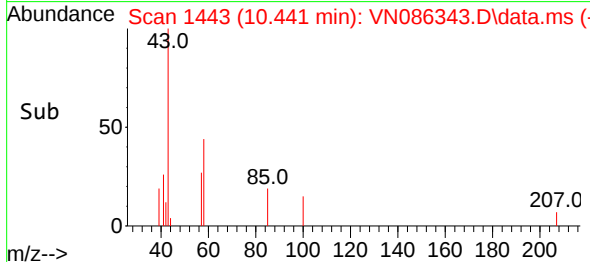
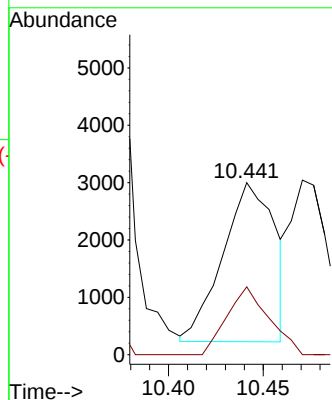
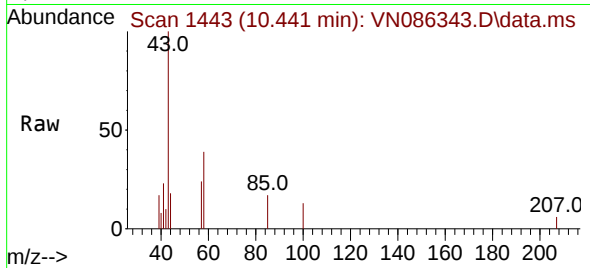




#51
4-Methyl-2-Pentanone
Concen: 1.371 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN086343.D
Acq: 18 Apr 2025 14:55

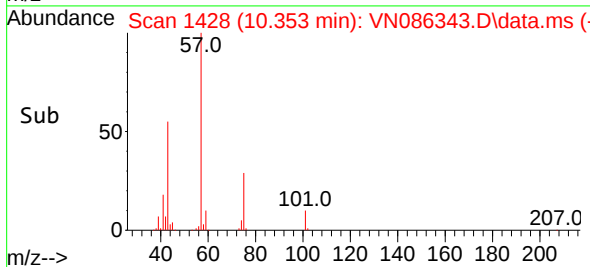
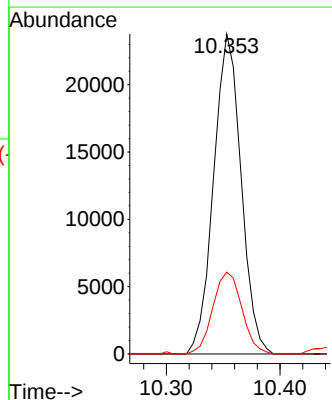
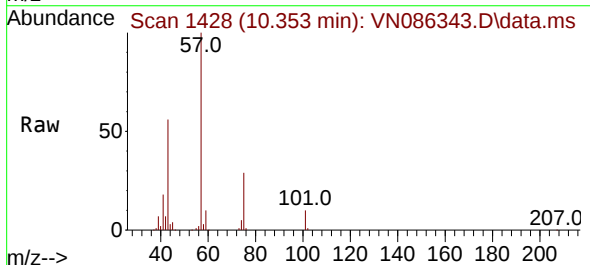
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#08

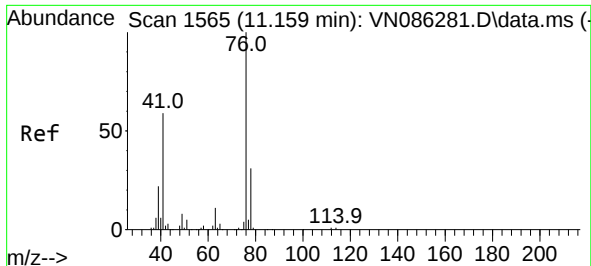
Tgt Ion: 43 Resp: 5302
Ion Ratio Lower Upper
43 100
58 34.4 32.2 48.4



#54
cis-1,3-Dichloropropene
Concen: 8.405 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN086343.D
Acq: 18 Apr 2025 14:55

Tgt Ion: 75 Resp: 39901
Ion Ratio Lower Upper
75 100
77 0.0 25.2 37.8#
39 25.6 39.3 58.9#





#57

1,3-Dichloropropane

Concen: 0.717 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. 0.035 min

Lab File: VN086343.D

Acq: 18 Apr 2025 14:55

Instrument :

MSVOA_N

ClientSampleId :

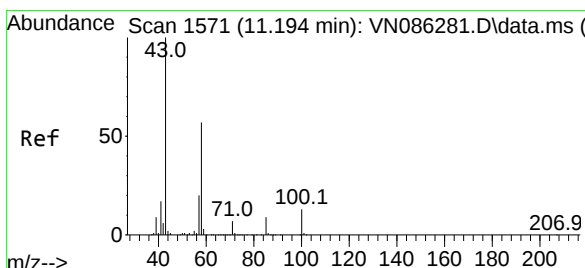
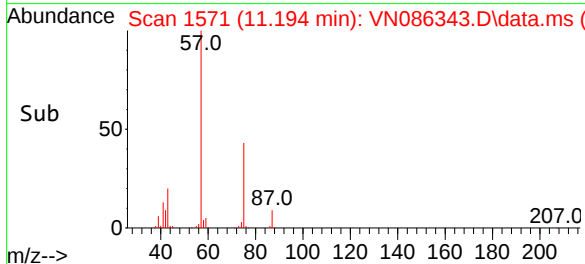
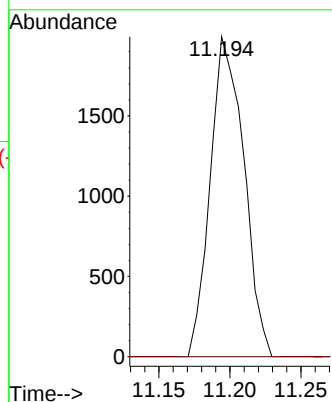
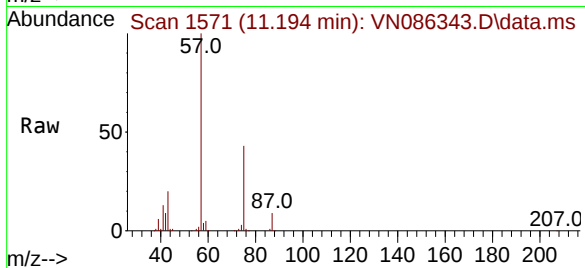
PB167623ZHE#08

Tgt Ion: 76 Resp: 3281

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 24.247 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN086343.D

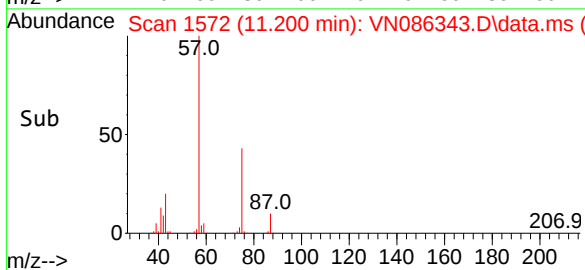
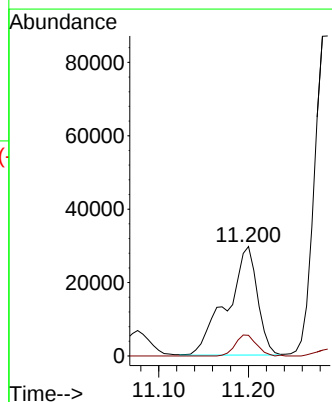
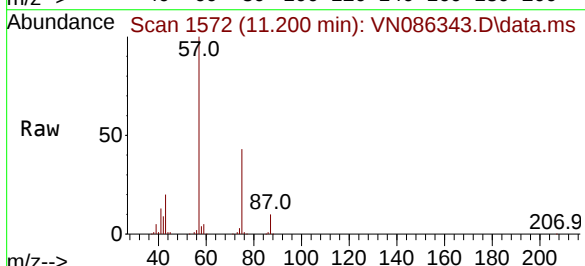
Acq: 18 Apr 2025 14:55

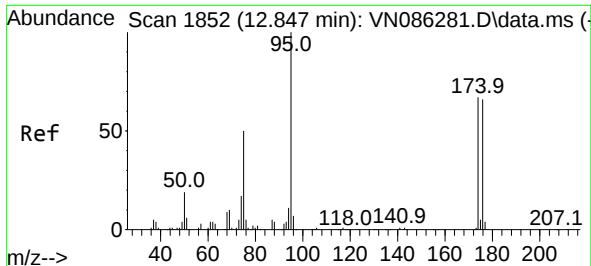
Tgt Ion: 43 Resp: 69564

Ion Ratio Lower Upper

43 100

58 13.6 28.3 85.0#

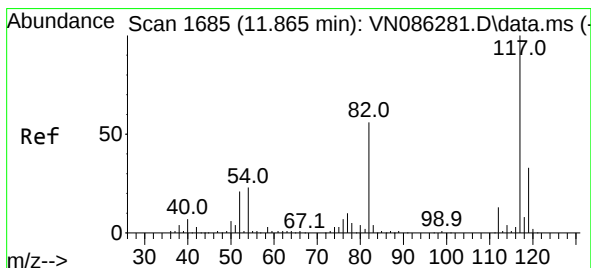
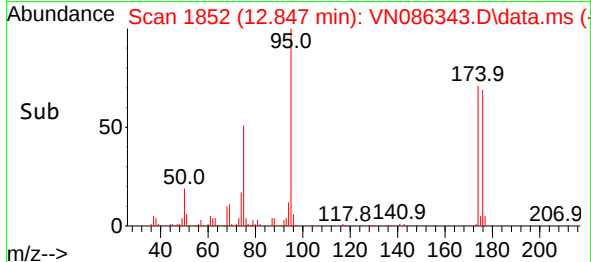
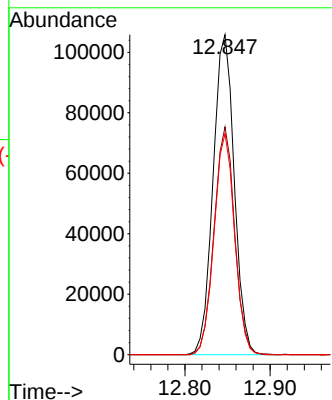
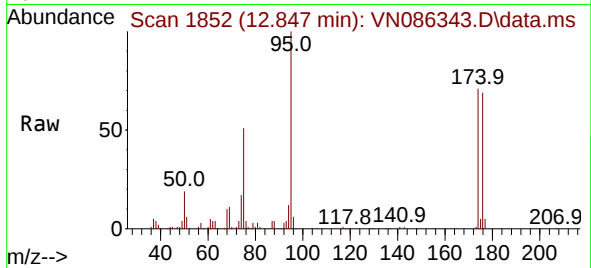




#62
4-Bromofluorobenzene
Concen: 52.087 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086343.D
Acq: 18 Apr 2025 14:55

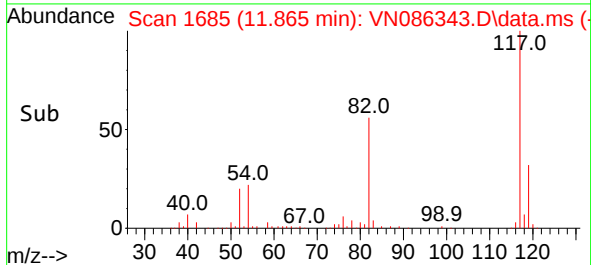
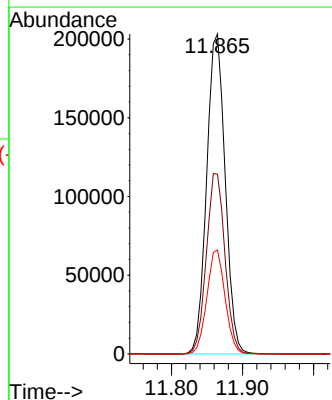
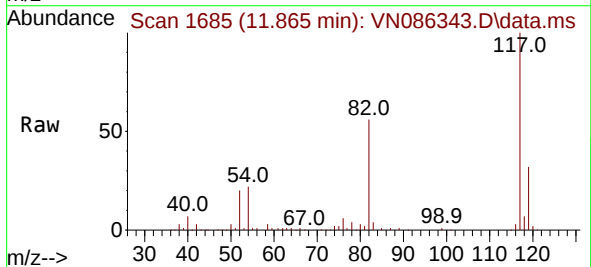
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#08

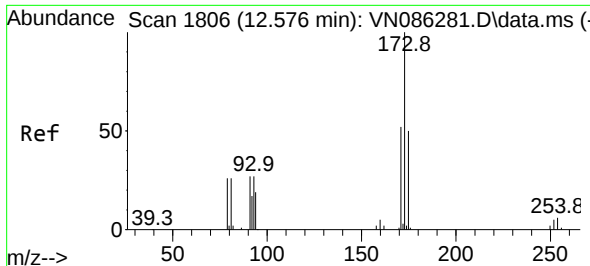
Tgt Ion: 95 Resp: 182390
Ion Ratio Lower Upper
95 100
174 69.0 0.0 133.4
176 66.9 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086343.D
Acq: 18 Apr 2025 14:55

Tgt Ion: 117 Resp: 368358
Ion Ratio Lower Upper
117 100
82 56.2 44.7 67.1
119 32.5 26.4 39.6





#71

Bromoform

Concen: 0.395 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.271 min

Lab File: VN086343.D

Acq: 18 Apr 2025 14:55

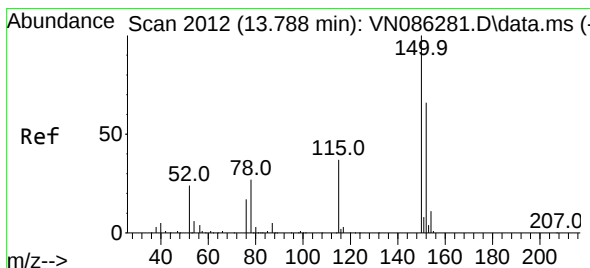
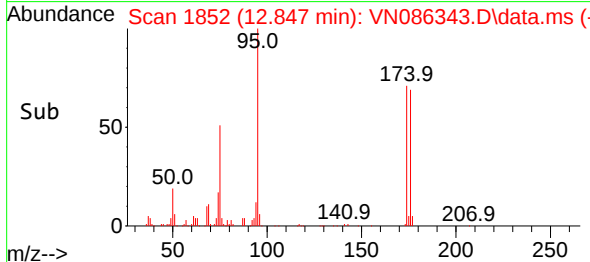
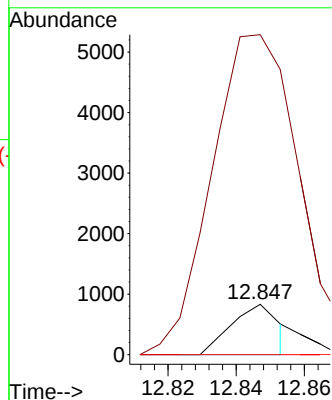
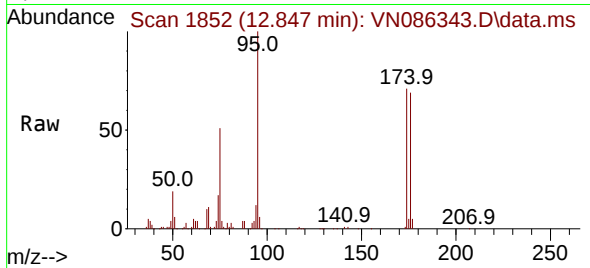
Instrument :

MSVOA_N

ClientSampleId :

PB167623ZHE#08

Tgt Ion:	173	Resp:	806
Ion Ratio	Lower	Upper	
173	100		
175	953.8	24.6	73.6#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

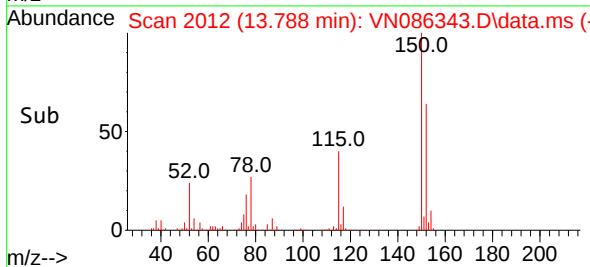
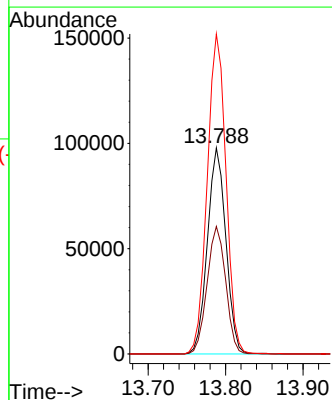
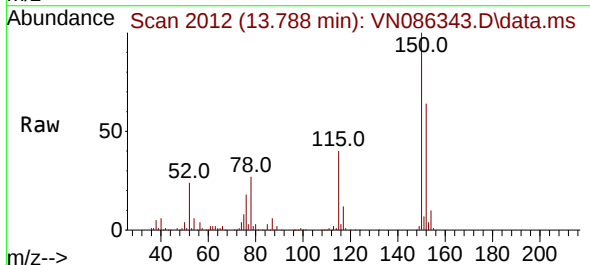
RT: 13.788 min Scan# 2012

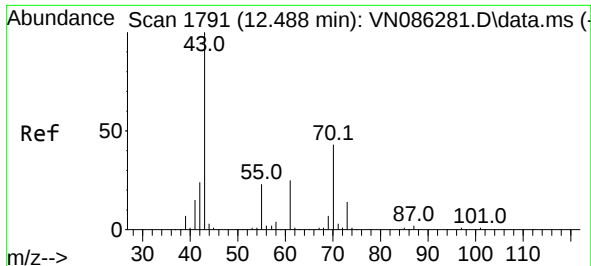
Delta R.T. 0.000 min

Lab File: VN086343.D

Acq: 18 Apr 2025 14:55

Tgt Ion:	152	Resp:	162236
Ion Ratio	Lower	Upper	
152	100		
115	62.2	31.9	95.9
150	157.2	0.0	352.0

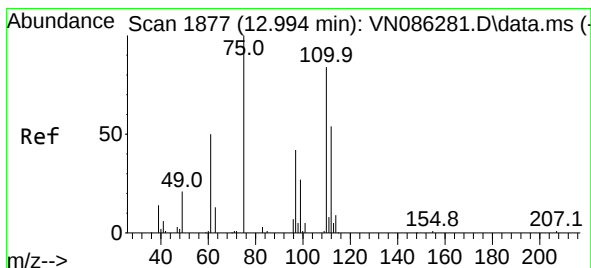
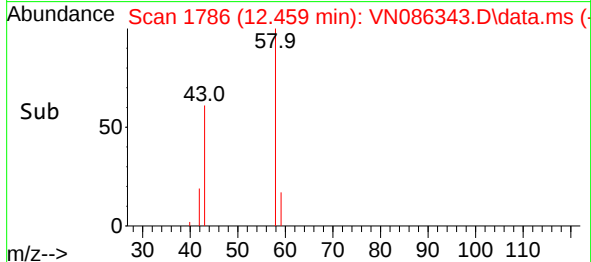
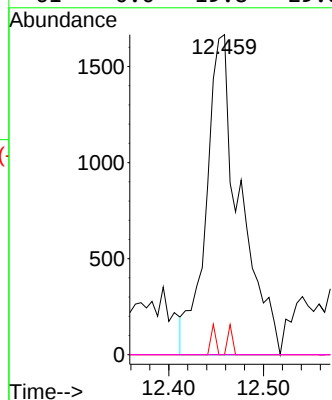
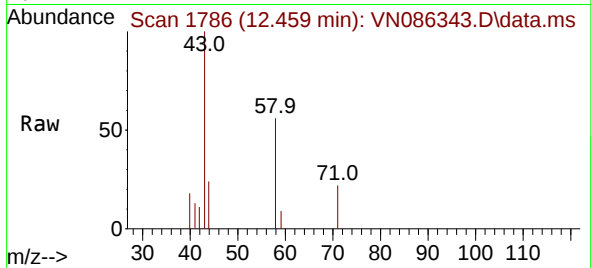




#74
N-amy1 acetate
Concen: 0.623 ug/l
RT: 12.459 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN086343.D
Acq: 18 Apr 2025 14:55

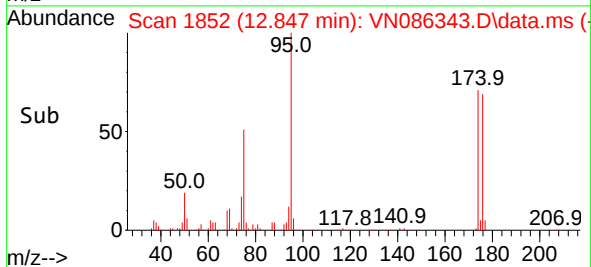
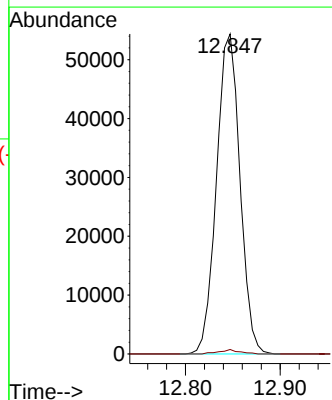
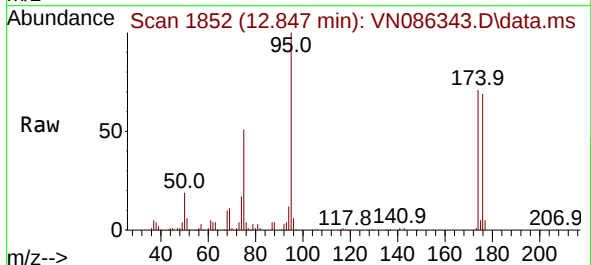
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#08

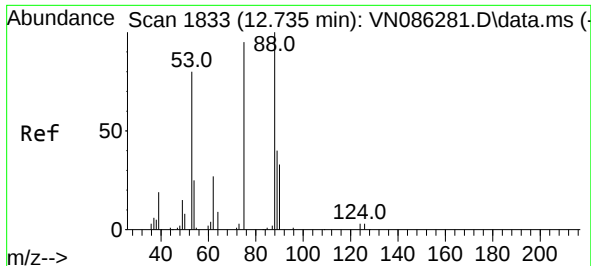
Tgt Ion: 43	Resp: 4116
Ion Ratio	Lower Upper
43 100	
70 0.0	35.0 52.4#
55 1.3	19.0 28.4#
61 0.0	19.8 29.8#



#76
1,2,3-Trichloropropane
Concen: 24.429 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086343.D
Acq: 18 Apr 2025 14:55

Tgt Ion: 75	Resp:	93527	
Ion Ratio	Lower	Upper	
75 100			
77 1.2	98.8	296.4#	

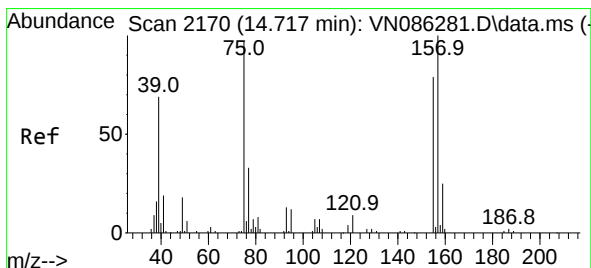
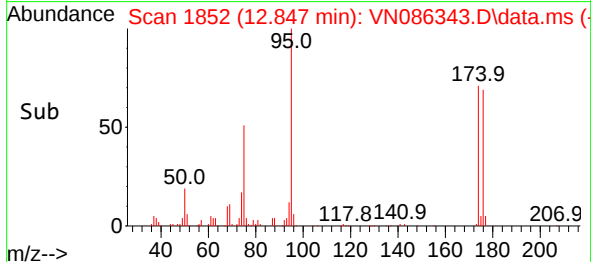
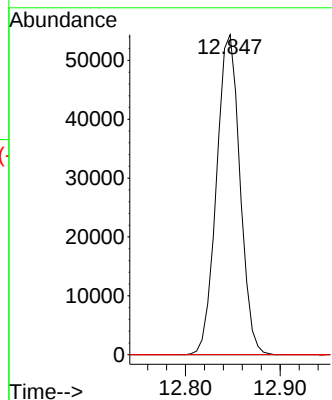
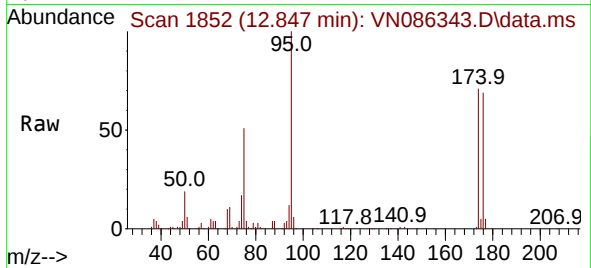




#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.669 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.112 min
 Lab File: VN086343.D
 Acq: 18 Apr 2025 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167623ZHE#08

Tgt Ion: 75 Resp: 93527
 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: 0.563 ug/l
 RT: 14.700 min Scan# 2167
 Delta R.T. -0.018 min
 Lab File: VN086343.D
 Acq: 18 Apr 2025 14:55

Tgt Ion: 75 Resp: 433
 Ion Ratio Lower Upper
 75 100
 155 0.0 40.3 120.9#
 157 0.0 49.0 147.2#

