

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041825\
 Data File : VN086340.D
 Acq On : 18 Apr 2025 13:43
 Operator : JC\MD
 Sample : PB167623ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167623ZHE#05

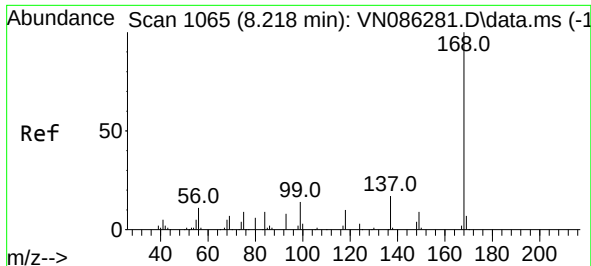
Quant Time: Apr 19 02:24:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	206989	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	390837	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	365592	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	167881	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	145324	48.417	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.840%
35) Dibromofluoromethane	8.165	113	94810	52.268	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.540%
50) Toluene-d8	10.565	98	497330	51.300	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.600%
62) 4-Bromofluorobenzene	12.847	95	185104	52.349	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	104.700%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	957	0.268	ug/l	99
11) Tert butyl alcohol	5.518	59	916	1.673	ug/l #	72
13) Acrolein	4.201	56	77	Below Cal		93
16) Acetone	4.430	43	51939	45.378	ug/l	98
18) Methyl Acetate	5.024	43	3795	1.053	ug/l #	63
20) Methylene Chloride	5.283	84	6426	2.316	ug/l #	84
25) 2-Butanone	7.483	43	6943	3.716	ug/l	98
29) Tetrahydrofuran	7.853	42	663	0.531	ug/l #	32
31) Cyclohexane	8.218	56	4867	1.001	ug/l #	2
36) 1,1-Dichloropropene	8.224	75	17730	4.894	ug/l #	50
37) Ethyl Acetate	7.559	43	957	0.251	ug/l #	68
38) Carbon Tetrachloride	8.218	117	21421	6.208	ug/l #	15
43) Isopropyl Acetate	8.688	43	44898	4.779	ug/l #	80
45) 1,2-Dichloropropane	9.735	63	1045	0.368	ug/l #	43
48) Methyl methacrylate	9.741	41	86721	25.890	ug/l #	41
51) 4-Methyl-2-Pentanone	10.441	43	4636	1.187	ug/l	92
54) cis-1,3-Dichloropropene	10.353	75	44285	9.237	ug/l #	56
57) 1,3-Dichloropropane	11.194	76	3744	0.810	ug/l #	43
59) 2-Hexanone	11.194	43	73241	25.281	ug/l #	41
74) N-amyl acetate	12.459	43	3732	0.546	ug/l #	45
76) 1,2,3-Trichloropropane	12.847	75	93703	23.652	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	93703	56.803	ug/l #	10

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

Quant Time: Apr 19 02:24:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
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QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

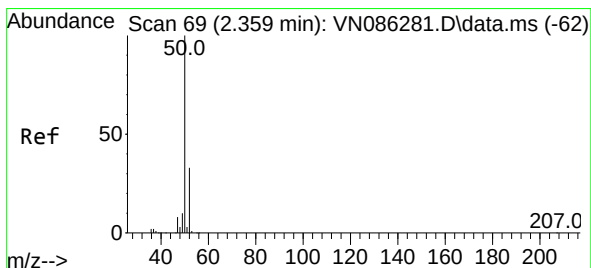
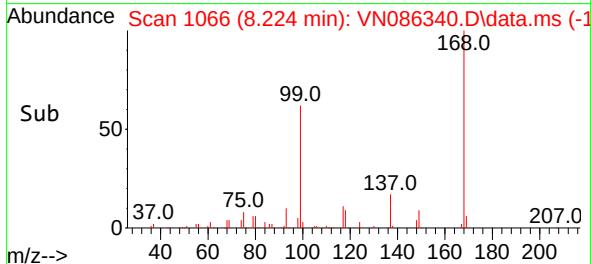
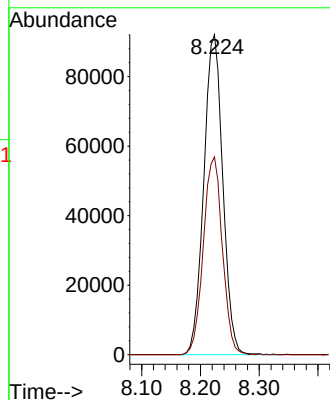
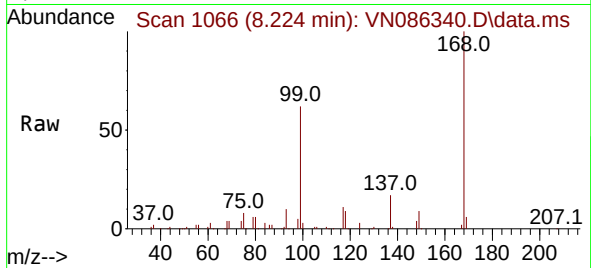




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086340.D
Acq: 18 Apr 2025 13:43

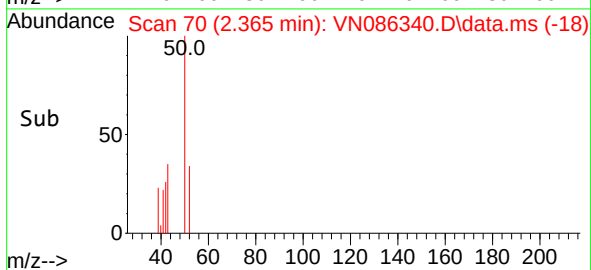
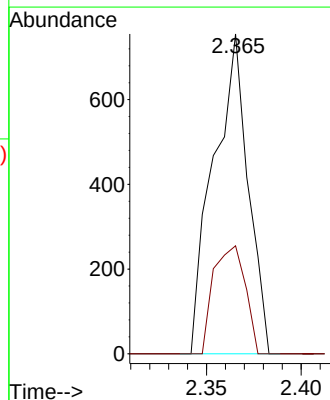
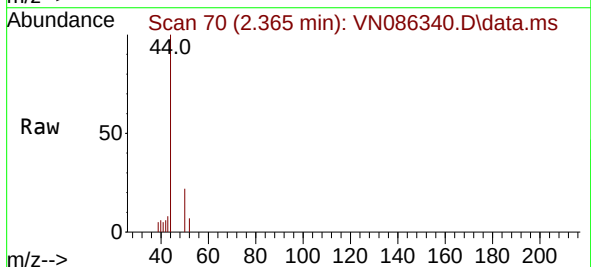
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#05

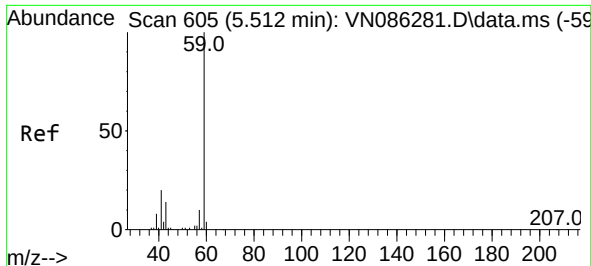
Tgt Ion:168 Resp: 206989
Ion Ratio Lower Upper
168 100
99 61.8 52.5 78.7



#3
Chloromethane
Concen: 0.268 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086340.D
Acq: 18 Apr 2025 13:43

Tgt Ion: 50 Resp: 957
Ion Ratio Lower Upper
50 100
52 33.8 26.5 39.7

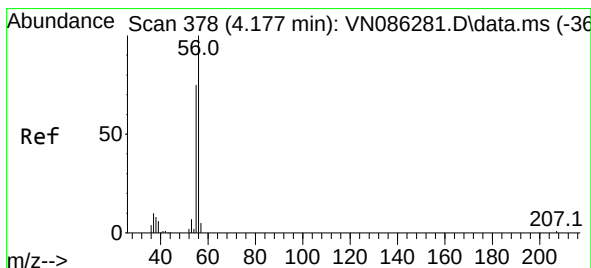
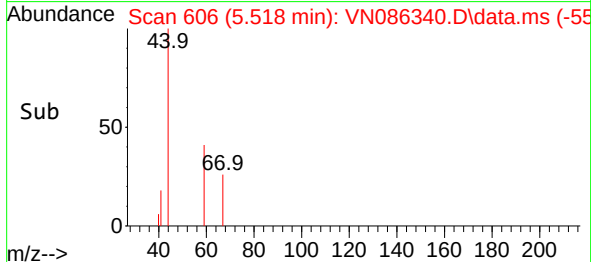
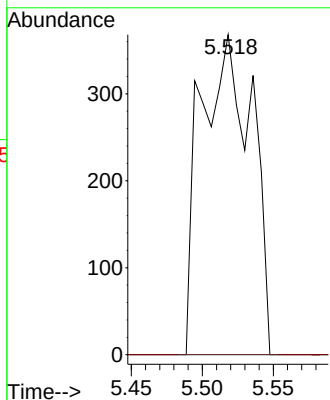
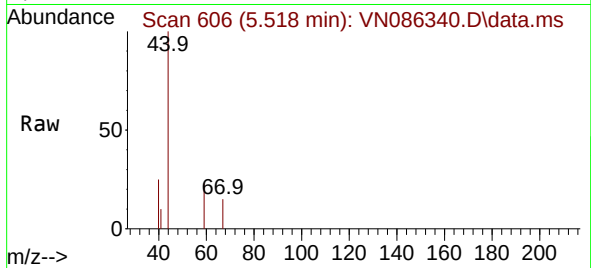




#11
Tert butyl alcohol
Concen: 1.673 ug/l
RT: 5.518 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN086340.D
Acq: 18 Apr 2025 13:43

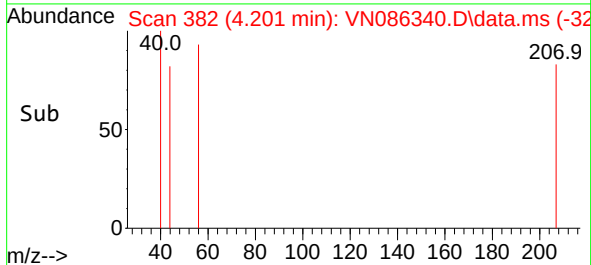
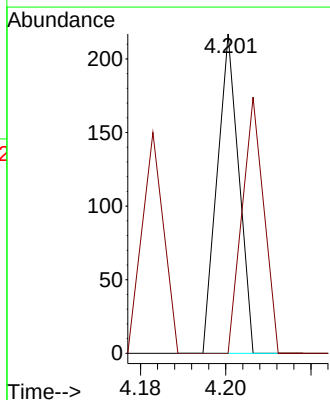
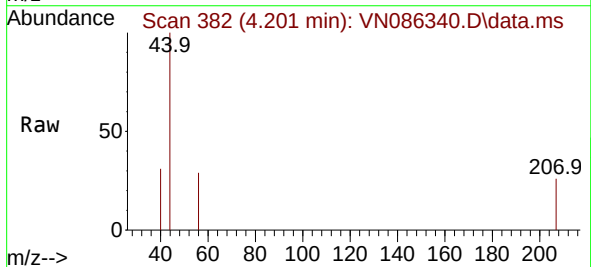
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#05

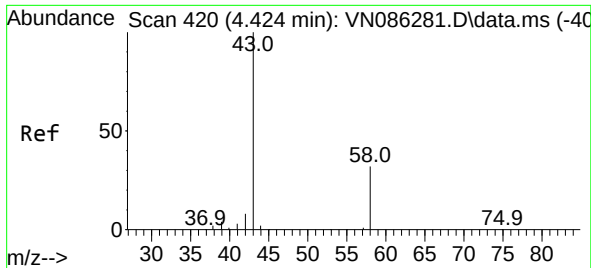
Tgt Ion: 59 Resp: 916
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: Below Cal
RT: 4.201 min Scan# 382
Delta R.T. 0.024 min
Lab File: VN086340.D
Acq: 18 Apr 2025 13:43

Tgt Ion: 56 Resp: 77
Ion Ratio Lower Upper
56 100
55 79.2 58.5 87.7

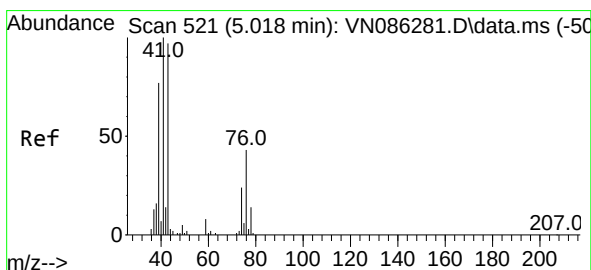
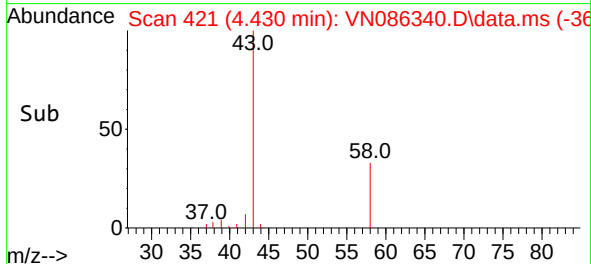
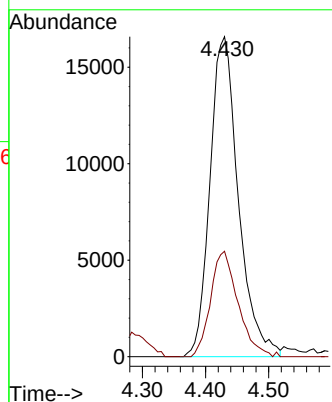
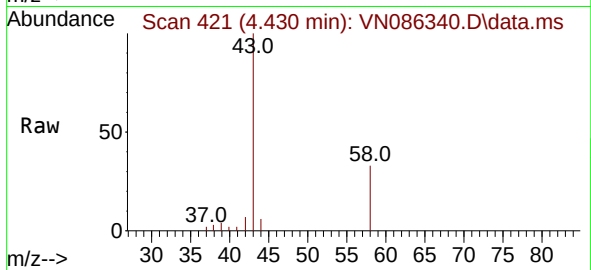




#16
Acetone
Concen: 45.378 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086340.D
Acq: 18 Apr 2025 13:43

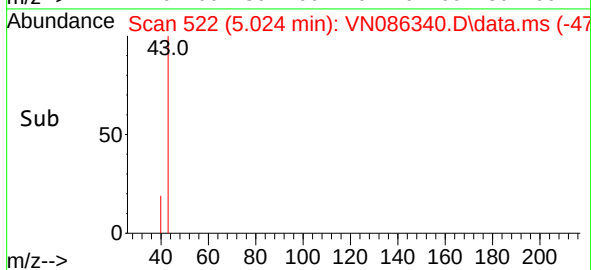
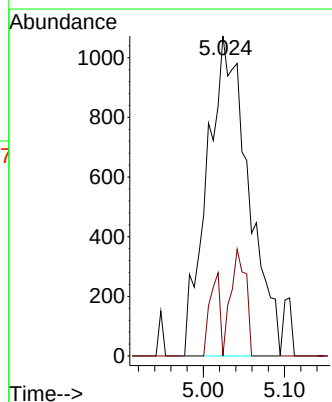
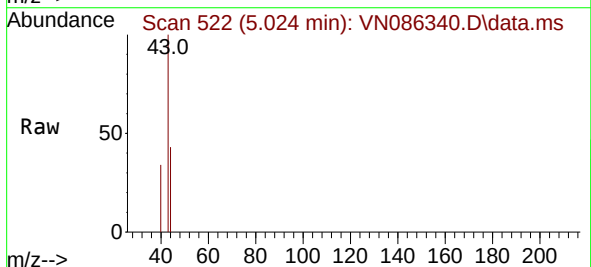
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#05

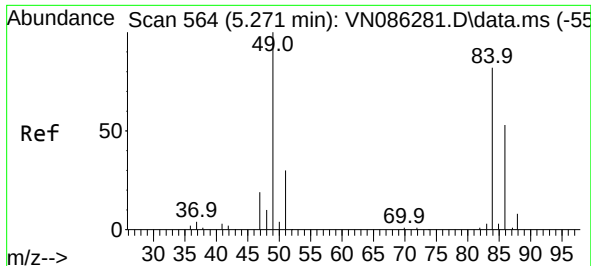
Tgt Ion: 43 Resp: 51939
Ion Ratio Lower Upper
43 100
58 33.0 25.3 37.9



#18
Methyl Acetate
Concen: 1.053 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN086340.D
Acq: 18 Apr 2025 13:43

Tgt Ion: 43 Resp: 3795
Ion Ratio Lower Upper
43 100
74 6.3 19.8 29.6#

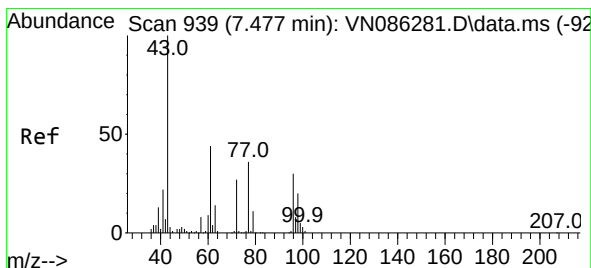
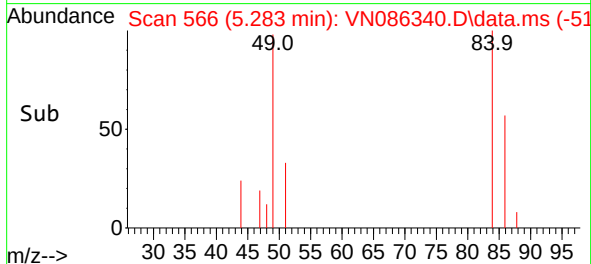
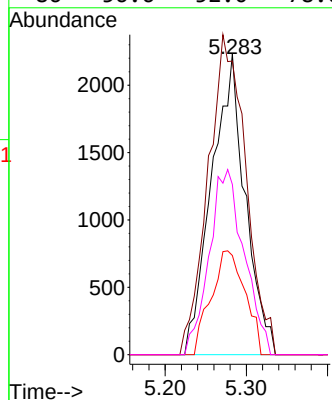
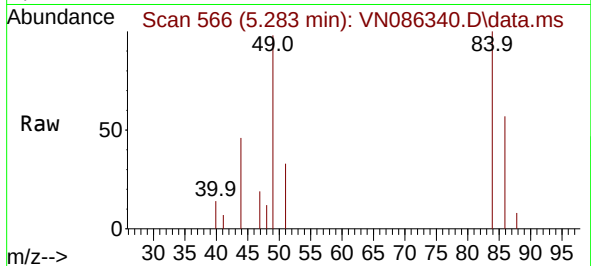




#20
Methylene Chloride
Concen: 2.316 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN086340.D
Acq: 18 Apr 2025 13:43

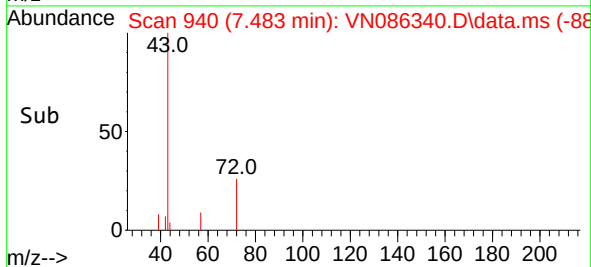
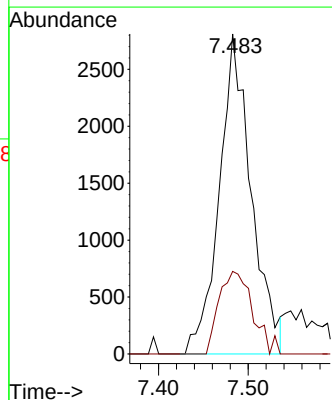
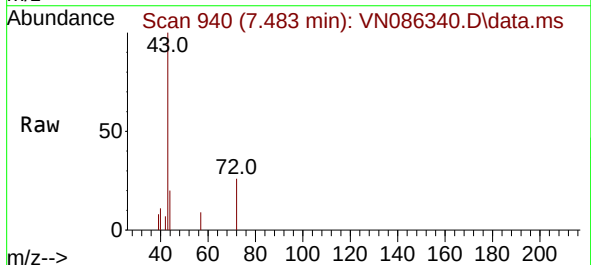
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#05

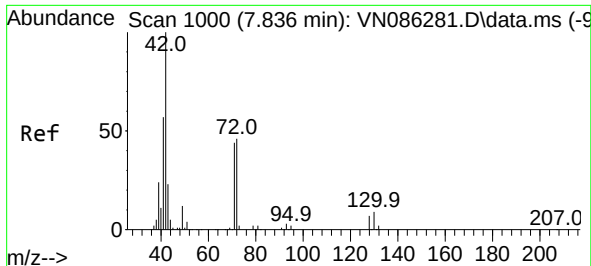
Tgt Ion:	84	Resp:	6426
Ion	Ratio	Lower	Upper
84	100		
49	97.5	98.2	147.2#
51	33.0	29.8	44.6
86	56.6	52.0	78.0



#25
2-Butanone
Concen: 3.716 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN086340.D
Acq: 18 Apr 2025 13:43

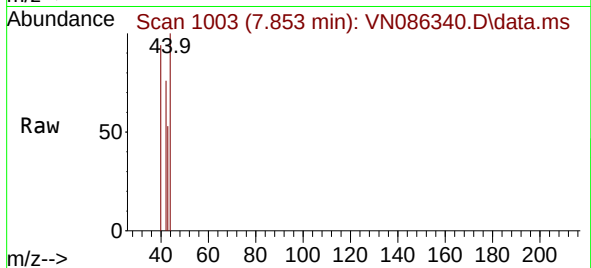
Tgt Ion:	43	Resp:	6943
Ion	Ratio	Lower	Upper
43	100		
72	25.8	21.7	32.5



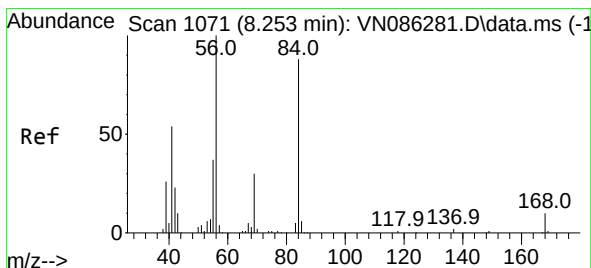
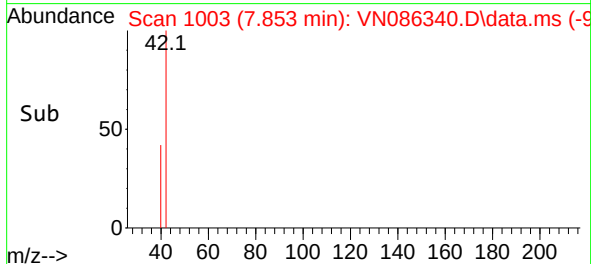
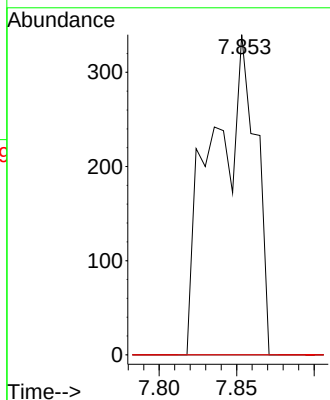


#29
Tetrahydrofuran
Concen: 0.531 ug/l
RT: 7.853 min Scan# 1065
Delta R.T. 0.018 min
Lab File: VN086340.D
Acq: 18 Apr 2025 13:43

Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#05

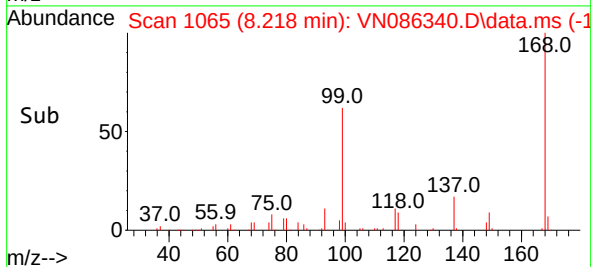
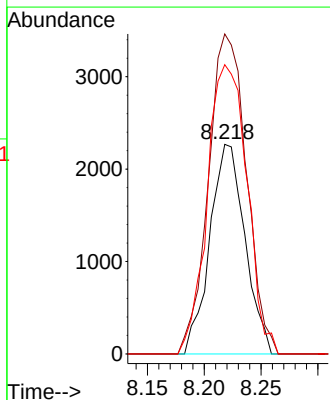
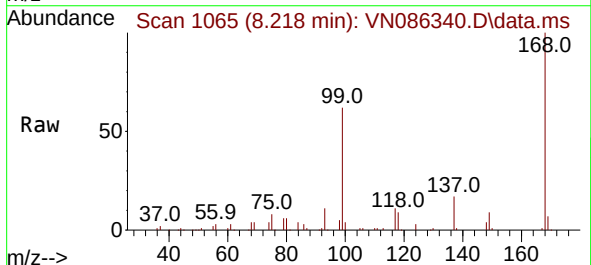


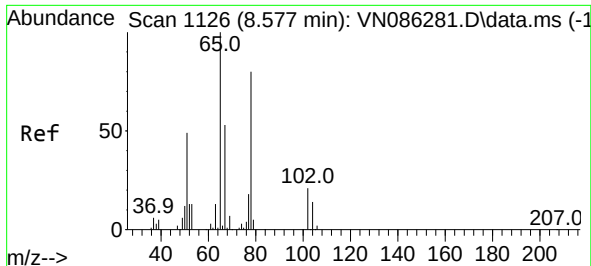
Tgt Ion: 42 Resp: 663
Ion Ratio Lower Upper
42 100
72 0.0 36.2 54.4#
71 0.0 34.0 51.0#



#31
Cyclohexane
Concen: 1.001 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086340.D
Acq: 18 Apr 2025 13:43

Tgt Ion: 56 Resp: 4867
Ion Ratio Lower Upper
56 100
69 152.6 24.2 36.2#
84 138.0 70.3 105.5#





#33

1,2-Dichloroethane-d4

Concen: 48.417 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN086340.D

Acq: 18 Apr 2025 13:43

Instrument :

MSVOA_N

ClientSampleId :

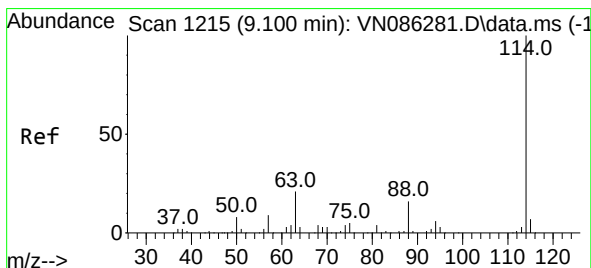
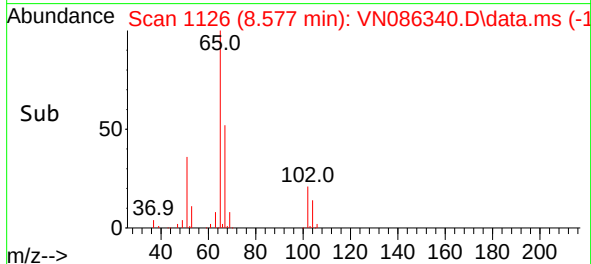
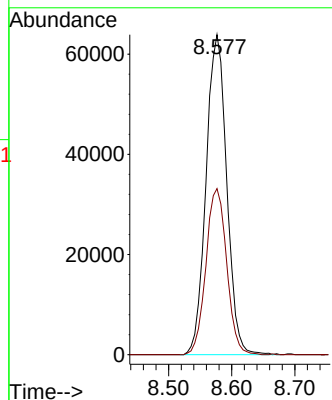
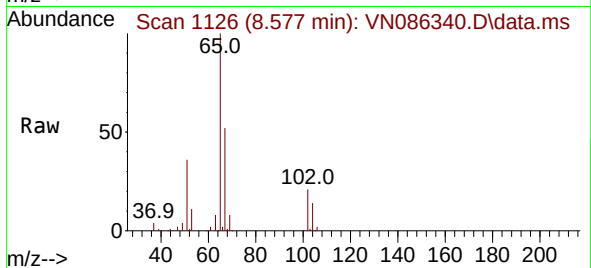
PB167623ZHE#05

Tgt Ion: 65 Resp: 145324

Ion Ratio Lower Upper

65 100

67 52.1 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: VN086340.D

Acq: 18 Apr 2025 13:43

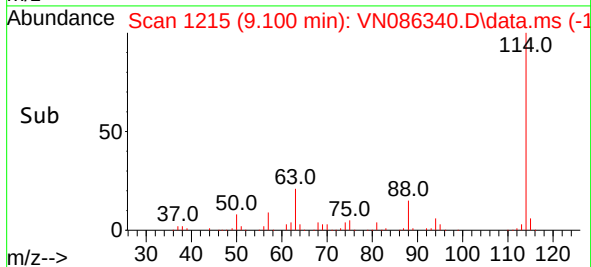
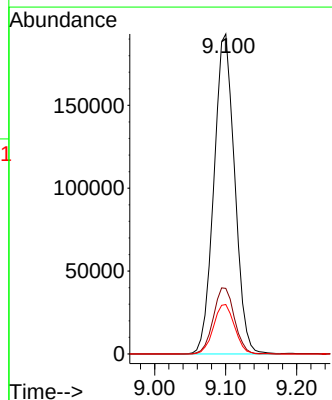
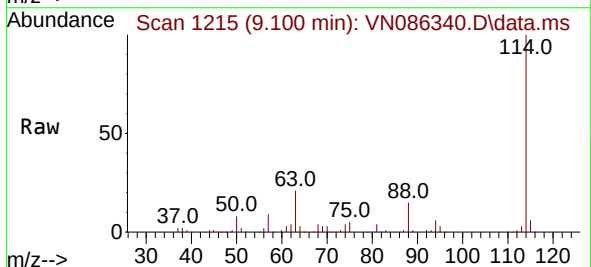
Tgt Ion: 114 Resp: 390837

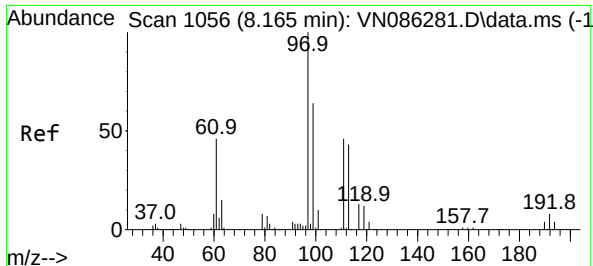
Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.6

88 15.4 0.0 31.8





#35

Dibromofluoromethane

Concen: 52.268 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN086340.D

Acq: 18 Apr 2025 13:43

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MSVOA_N

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PB167623ZHE#05

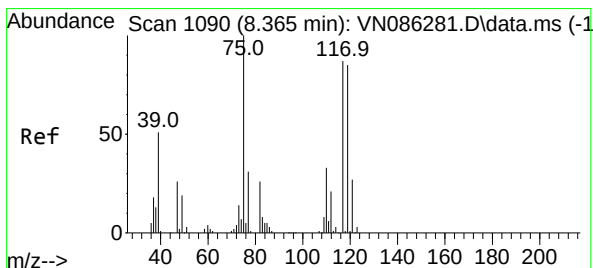
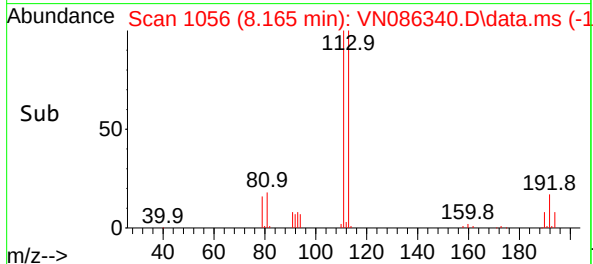
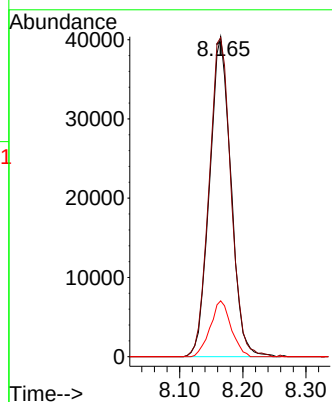
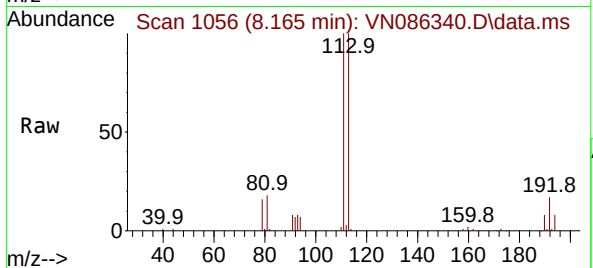
Tgt Ion:113 Resp: 94810

Ion Ratio Lower Upper

113 100

111 102.0 83.4 125.0

192 17.0 13.7 20.5



#36

1,1-Dichloropropene

Concen: 4.894 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN086340.D

Acq: 18 Apr 2025 13:43

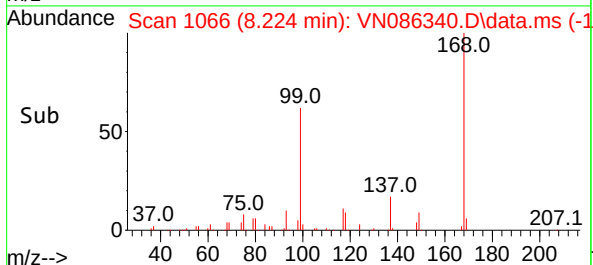
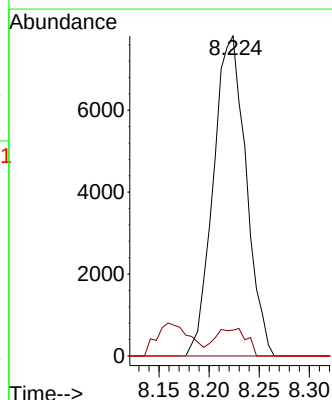
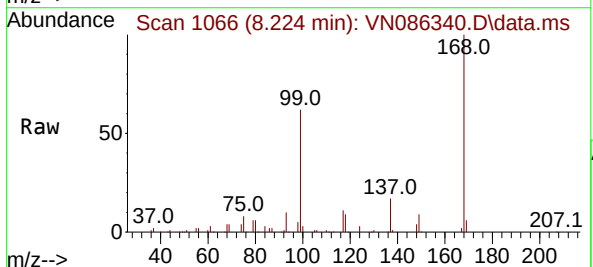
Tgt Ion: 75 Resp: 17730

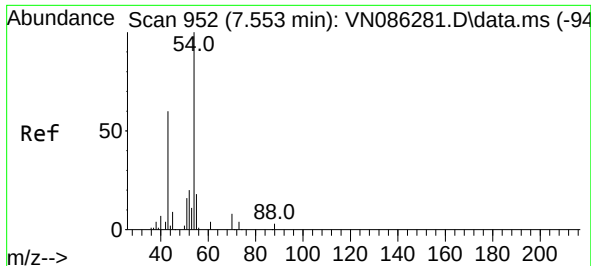
Ion Ratio Lower Upper

75 100

110 8.3 16.8 50.4#

77 0.0 24.9 37.3#

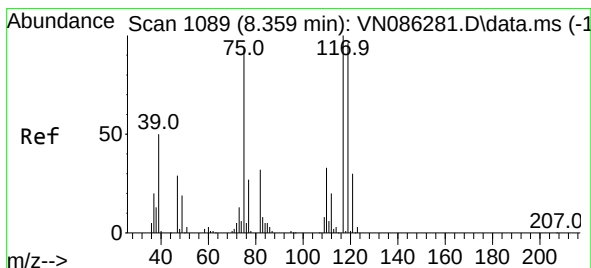
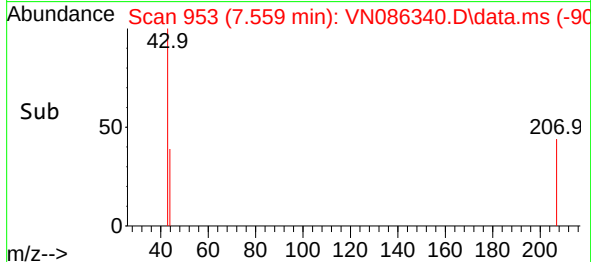
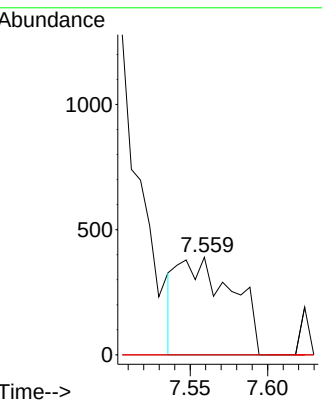
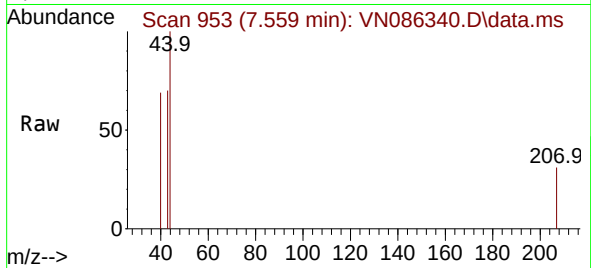




#37
Ethyl Acetate
Concen: 0.251 ug/l
RT: 7.559 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN086340.D
Acq: 18 Apr 2025 13:43

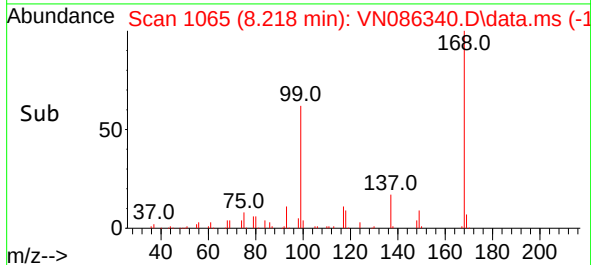
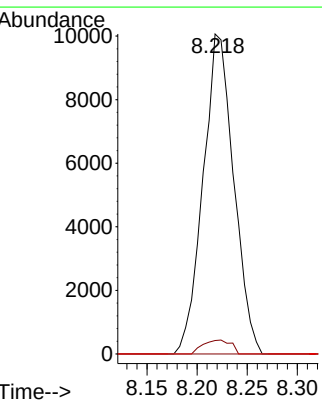
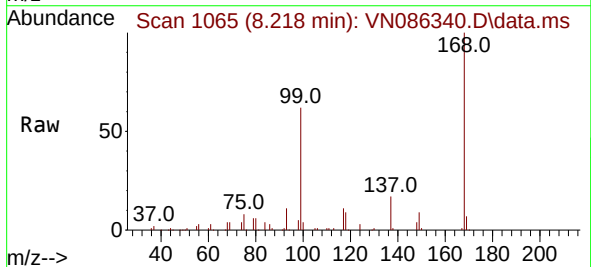
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#05

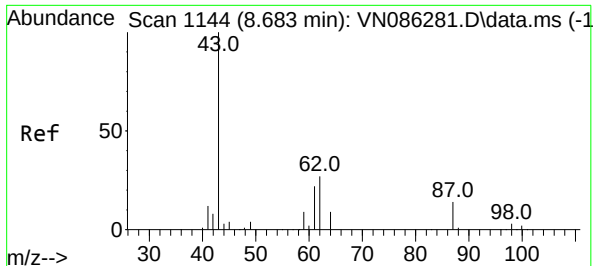
Tgt Ion: 43 Resp: 957
Ion Ratio Lower Upper
43 100
61 0.0 11.1 16.7#
70 0.0 9.2 13.8#



#38
Carbon Tetrachloride
Concen: 6.208 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN086340.D
Acq: 18 Apr 2025 13:43

Tgt Ion: 117 Resp: 21421
Ion Ratio Lower Upper
117 100
119 4.2 76.8 115.2#
121 0.0 23.8 35.8#

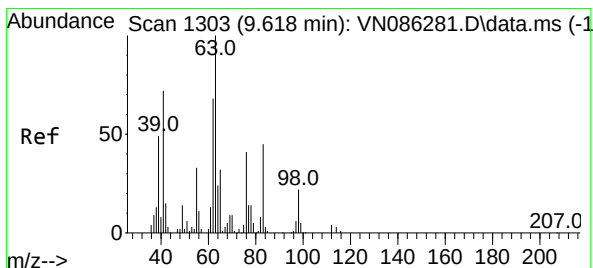
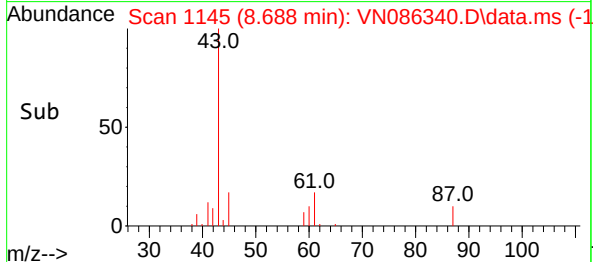
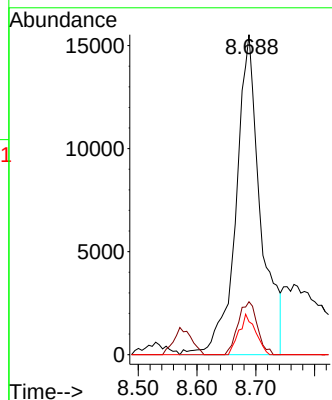
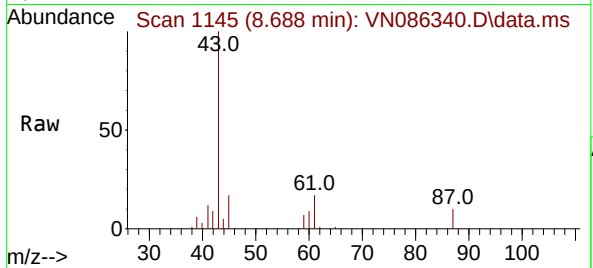




#43
Isopropyl Acetate
Concen: 4.779 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN086340.D
Acq: 18 Apr 2025 13:43

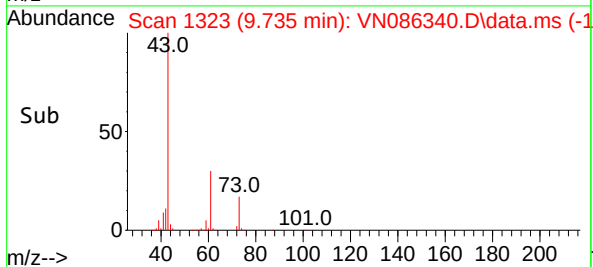
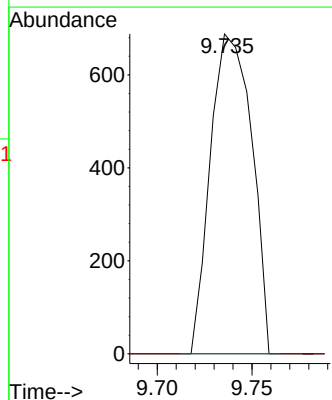
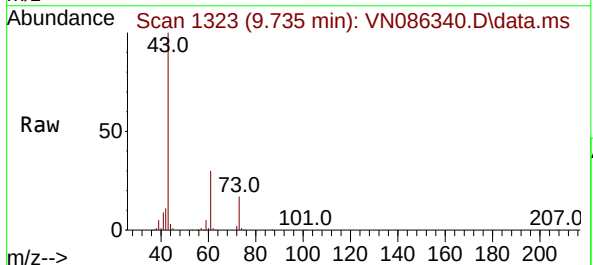
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#05

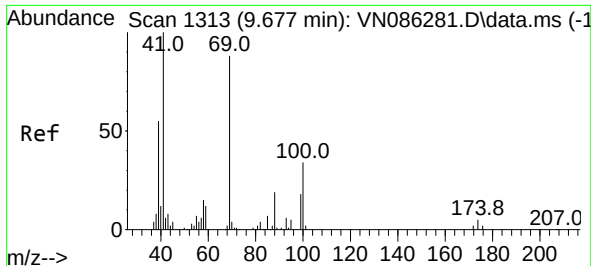
Tgt Ion: 43 Resp: 44898
Ion Ratio Lower Upper
43 100
61 13.0 20.5 30.7#
87 8.6 10.5 15.7#



#45
1,2-Dichloropropane
Concen: 0.368 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.118 min
Lab File: VN086340.D
Acq: 18 Apr 2025 13:43

Tgt Ion: 63 Resp: 1045
Ion Ratio Lower Upper
63 100
65 0.0 25.4 38.2#

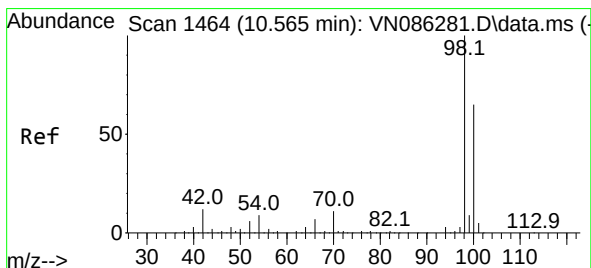
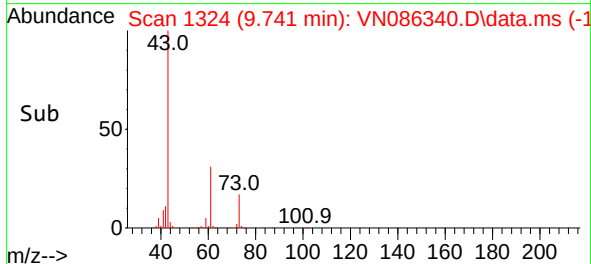
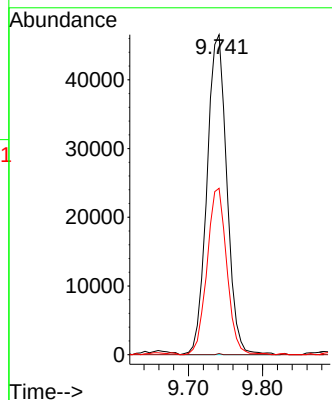
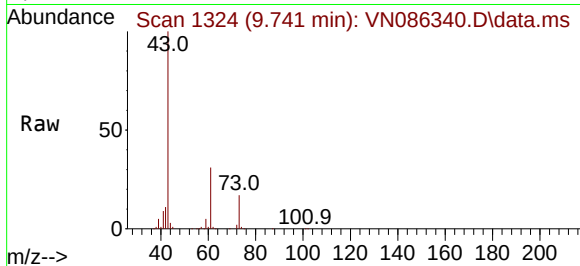




#48
Methyl methacrylate
Concen: 25.890 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN086340.D
Acq: 18 Apr 2025 13:43

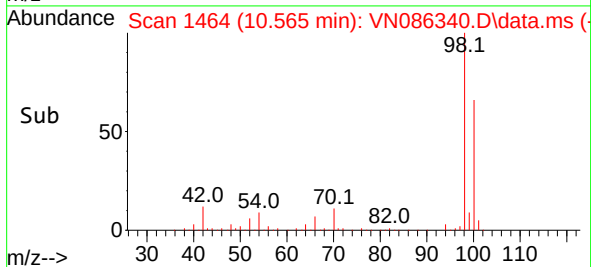
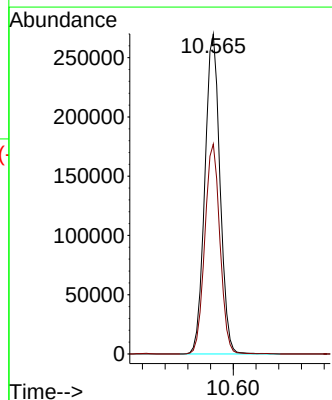
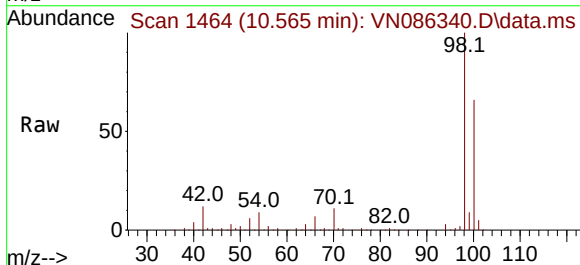
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#05

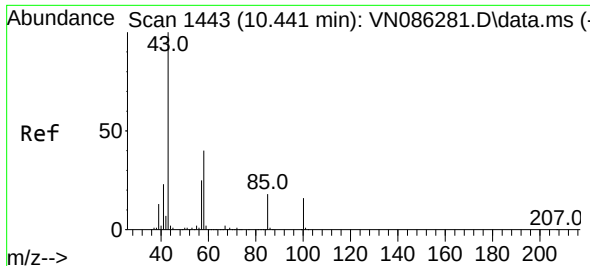
Tgt Ion: 41 Resp: 86721
Ion Ratio Lower Upper
41 100
69 0.1 68.2 102.2#
39 51.7 45.2 67.8



#50
Toluene-d8
Concen: 51.300 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086340.D
Acq: 18 Apr 2025 13:43

Tgt Ion: 98 Resp: 497330
Ion Ratio Lower Upper
98 100
100 65.5 52.5 78.7

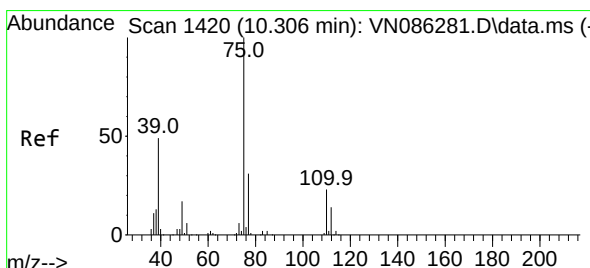
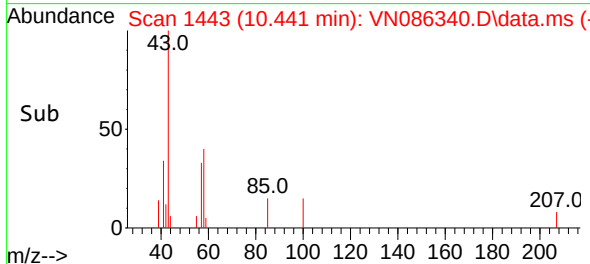
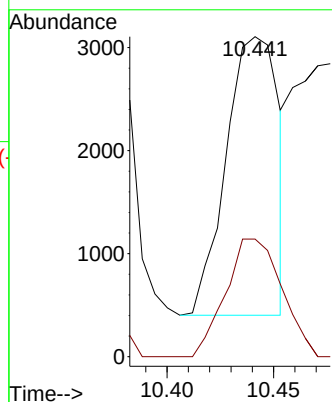
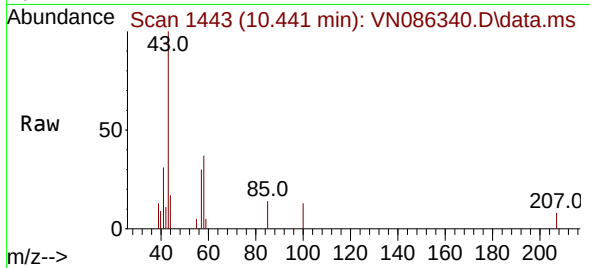




#51
4-Methyl-2-Pentanone
Concen: 1.187 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN086340.D
Acq: 18 Apr 2025 13:43

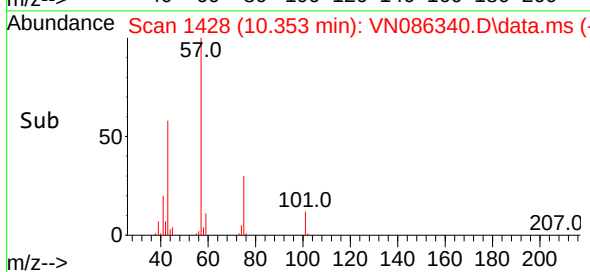
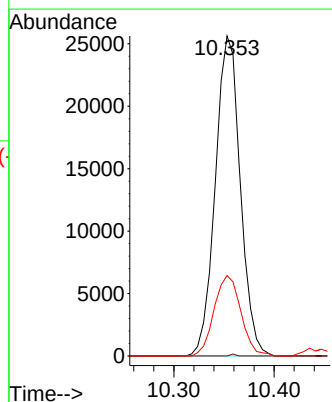
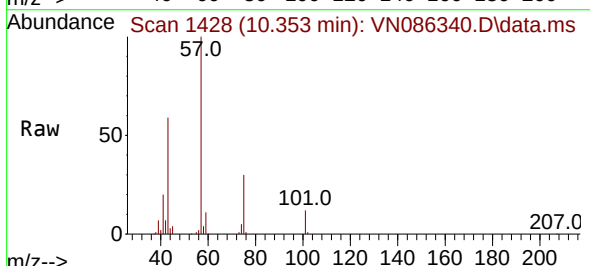
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#05

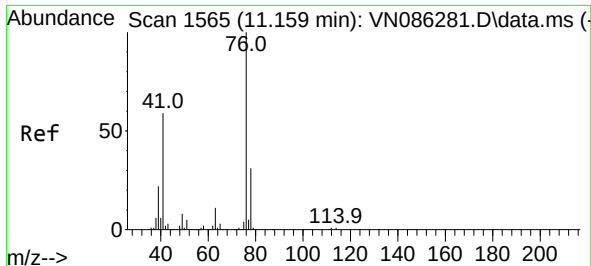
Tgt Ion: 43 Resp: 4636
Ion Ratio Lower Upper
43 100
58 45.3 32.2 48.4



#54
cis-1,3-Dichloropropene
Concen: 9.237 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN086340.D
Acq: 18 Apr 2025 13:43

Tgt Ion: 75 Resp: 44285
Ion Ratio Lower Upper
75 100
77 0.0 25.2 37.8#
39 25.1 39.3 58.9#





#57

1,3-Dichloropropane

Concen: 0.810 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. 0.035 min

Lab File: VN086340.D

Acq: 18 Apr 2025 13:43

Instrument :

MSVOA_N

ClientSampleId :

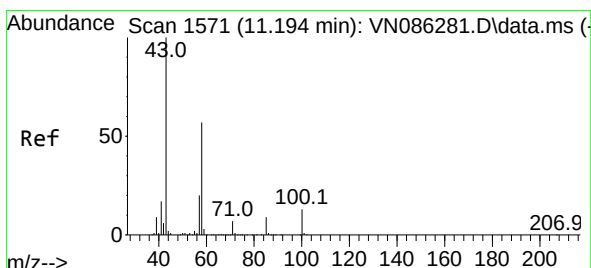
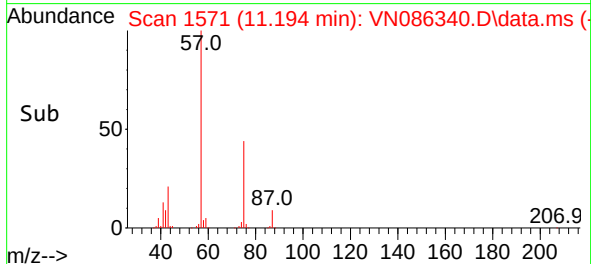
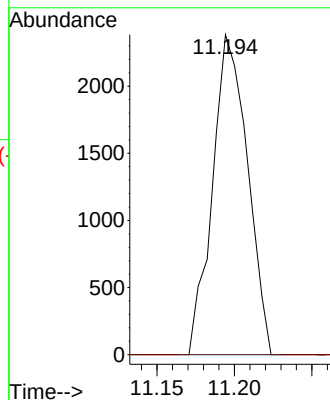
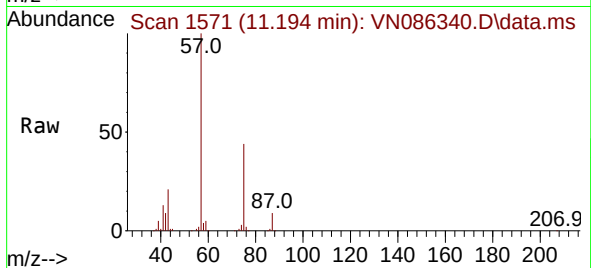
PB167623ZHE#05

Tgt Ion: 76 Resp: 3744

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 25.281 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. 0.000 min

Lab File: VN086340.D

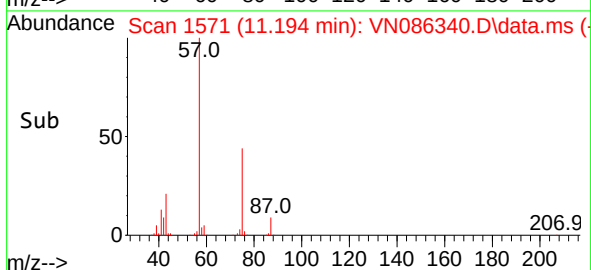
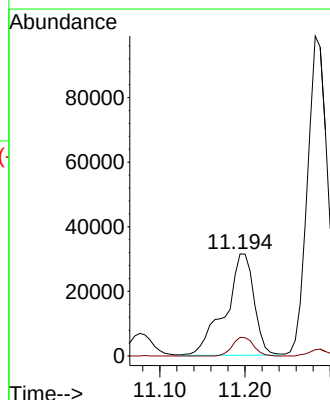
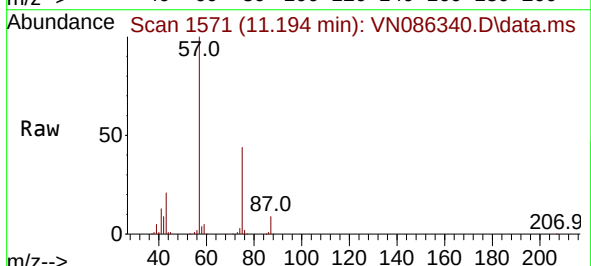
Acq: 18 Apr 2025 13:43

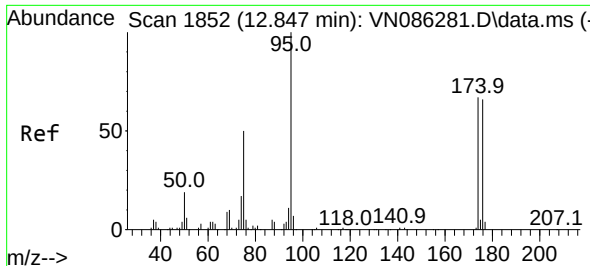
Tgt Ion: 43 Resp: 73241

Ion Ratio Lower Upper

43 100

58 13.6 28.3 85.0#

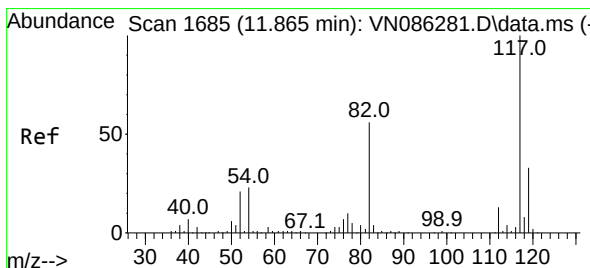
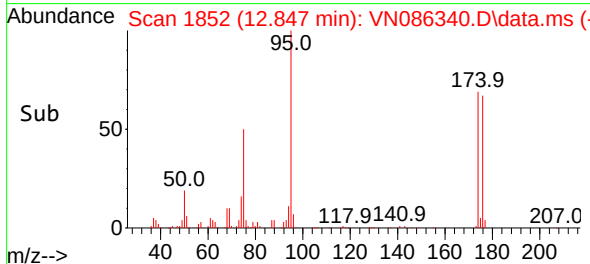
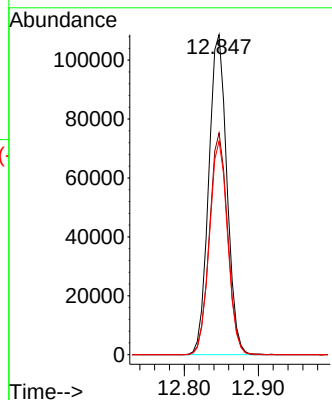
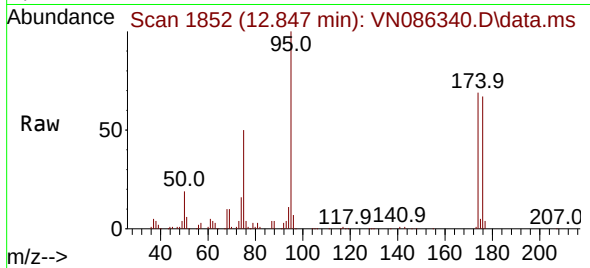




#62
4-Bromofluorobenzene
Concen: 52.349 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086340.D
Acq: 18 Apr 2025 13:43

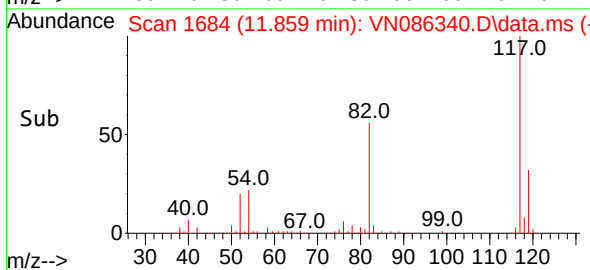
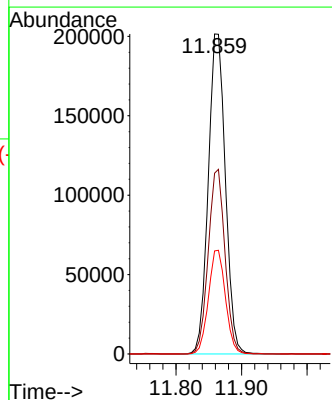
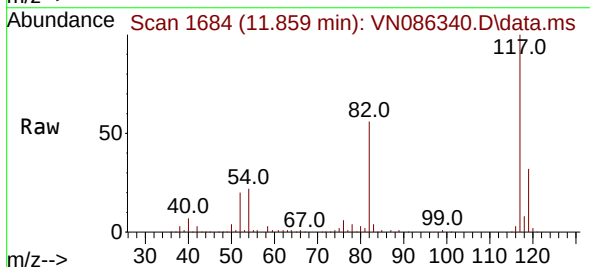
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#05

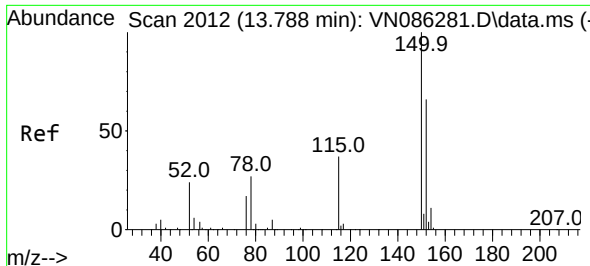
Tgt Ion: 95 Resp: 185104
Ion Ratio Lower Upper
95 100
174 69.3 0.0 133.4
176 66.6 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1684
Delta R.T. -0.006 min
Lab File: VN086340.D
Acq: 18 Apr 2025 13:43

Tgt Ion: 117 Resp: 365592
Ion Ratio Lower Upper
117 100
82 56.5 44.7 67.1
119 32.2 26.4 39.6

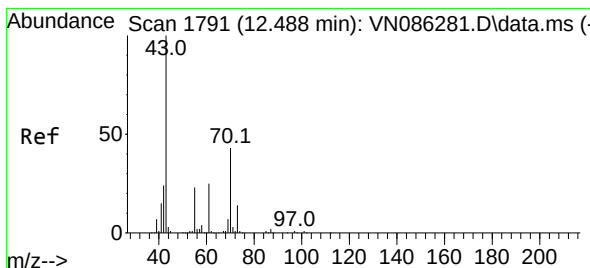
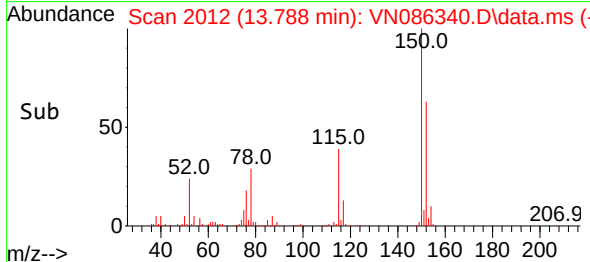
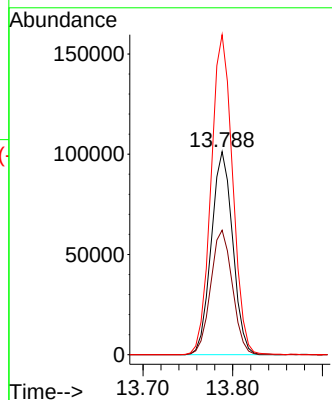
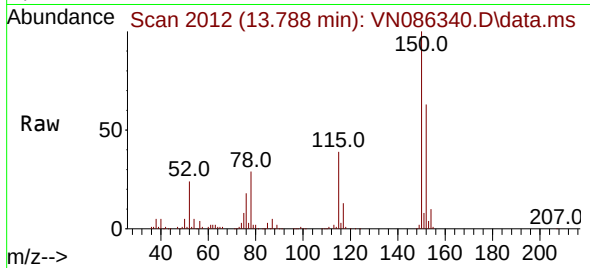




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN086340.D
Acq: 18 Apr 2025 13:43

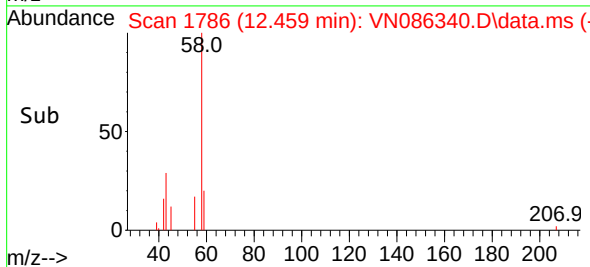
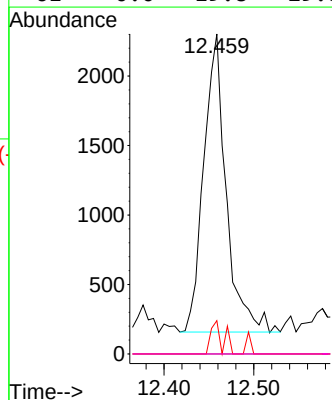
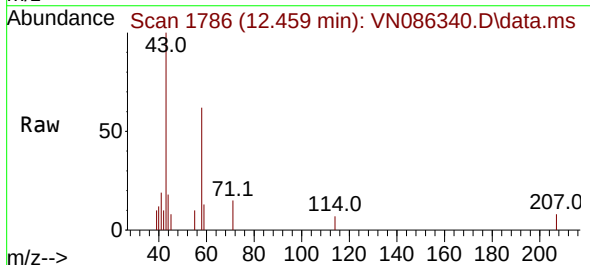
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#05

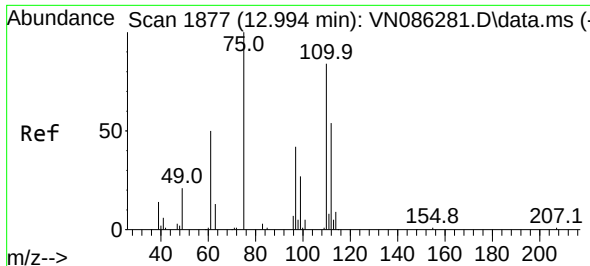
Tgt Ion:152 Resp: 167881
Ion Ratio Lower Upper
152 100
115 62.0 31.9 95.9
150 158.6 0.0 352.0



#74
N-ethyl acetate
Concen: 0.546 ug/l
RT: 12.459 min Scan# 1786
Delta R.T. -0.029 min
Lab File: VN086340.D
Acq: 18 Apr 2025 13:43

Tgt Ion: 43 Resp: 3732
Ion Ratio Lower Upper
43 100
70 0.0 35.0 52.4#
55 5.9 19.0 28.4#
61 0.0 19.8 29.8#

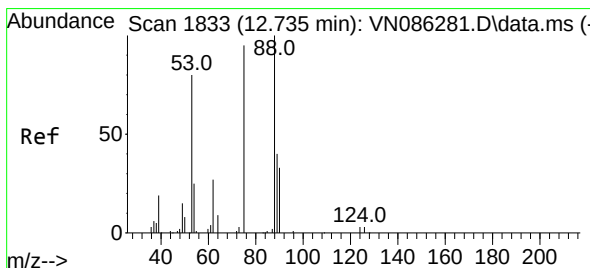
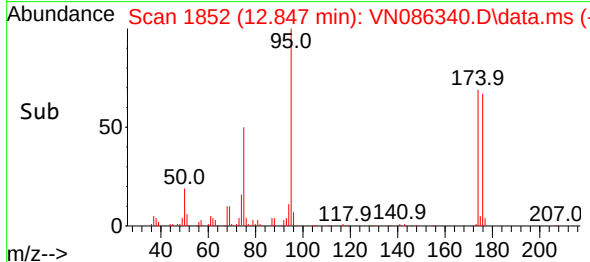
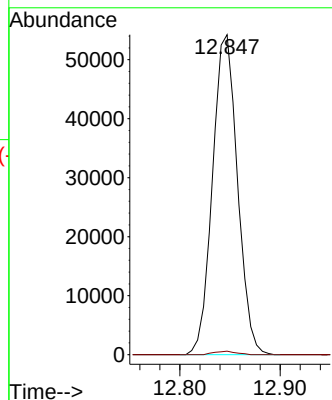
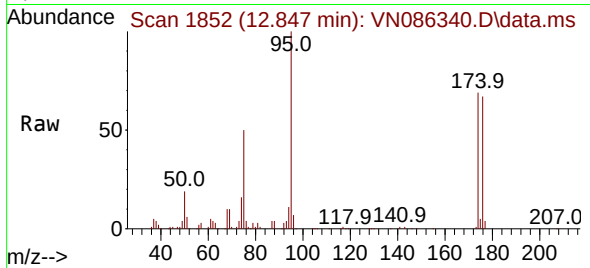




#76
1,2,3-Trichloropropane
Concen: 23.652 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086340.D
Acq: 18 Apr 2025 13:43

Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#05

Tgt Ion: 75 Resp: 93703
Ion Ratio Lower Upper
75 100
77 1.0 98.8 296.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.803 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086340.D
Acq: 18 Apr 2025 13:43

Tgt Ion: 75 Resp: 93703
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#

