

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041825\
 Data File : VN086342.D
 Acq On : 18 Apr 2025 14:31
 Operator : JC\MD
 Sample : PB167623ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

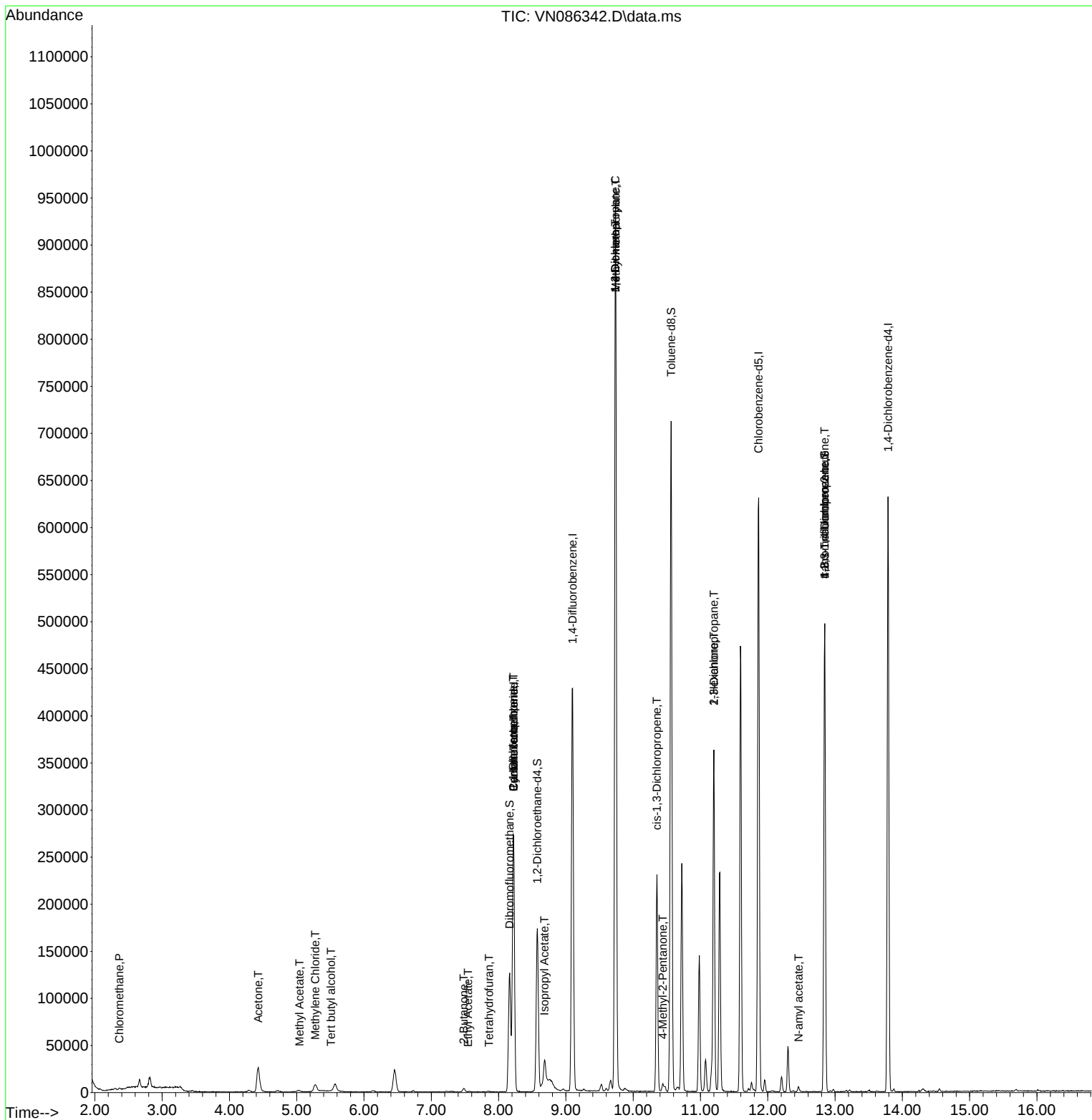
Instrument :
 MSVOA_N
 ClientSampleId :
 PB167623ZHE#07

Quant Time: Apr 19 02:25:20 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	202880	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	385830	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	367952	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	167046	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	145561	49.478	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.960%
35) Dibromofluoromethane	8.165	113	93871	52.422	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.840%
50) Toluene-d8	10.565	98	493865	51.604	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.200%
62) 4-Bromofluorobenzene	12.847	95	184830	52.949	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	105.900%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1326	0.379	ug/l	92
11) Tert butyl alcohol	5.512	59	708	1.319	ug/l #	72
16) Acetone	4.430	43	51111	45.583	ug/l	100
18) Methyl Acetate	5.042	43	4225	1.196	ug/l #	51
20) Methylene Chloride	5.277	84	6008	2.209	ug/l	87
25) 2-Butanone	7.483	43	6873	3.753	ug/l	98
29) Tetrahydrofuran	7.859	42	667	0.545	ug/l #	47
31) Cyclohexane	8.224	56	4652	0.976	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	17268	4.828	ug/l #	49
37) Ethyl Acetate	7.547	43	1189	0.316	ug/l #	68
38) Carbon Tetrachloride	8.224	117	20504	6.020	ug/l #	15
43) Isopropyl Acetate	8.682	43	50292	5.679	ug/l #	77
45) 1,2-Dichloropropane	9.735	63	1308	0.466	ug/l #	43
48) Methyl methacrylate	9.741	41	85758	25.935	ug/l #	42
49) 1,4-Dioxane	9.735	88	58	1.031	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	5601	1.453	ug/l	94
54) cis-1,3-Dichloropropene	10.353	75	43235	9.135	ug/l #	56
57) 1,3-Dichloropropane	11.200	76	3726	0.816	ug/l #	43
59) 2-Hexanone	11.200	43	71490	24.997	ug/l #	43
74) N-amyl acetate	12.459	43	3603	0.530	ug/l #	47
76) 1,2,3-Trichloropropane	12.847	75	93656	23.758	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	93656	57.059	ug/l #	10

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

Quant Time: Apr 19 02:25:20 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

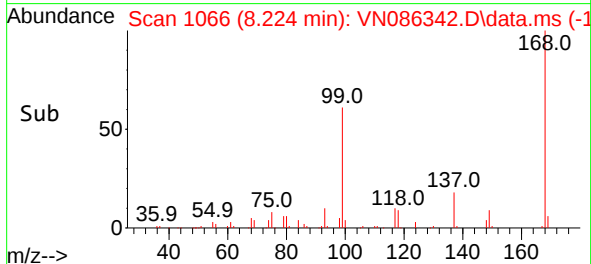
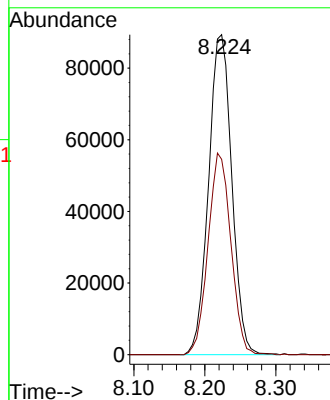
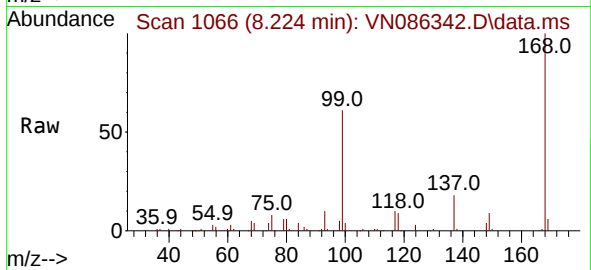




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN086342.D
Acq: 18 Apr 2025 14:31

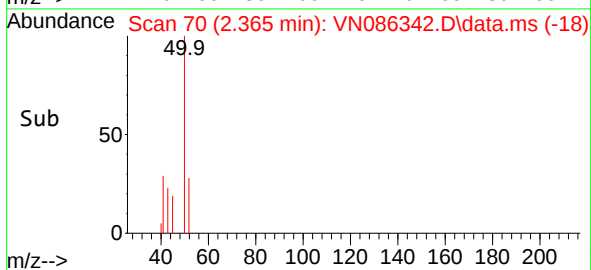
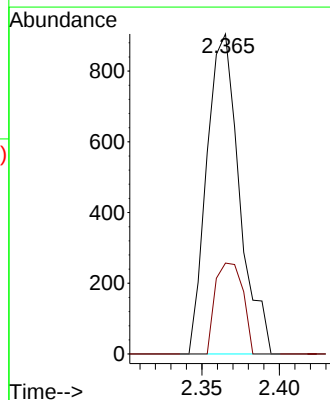
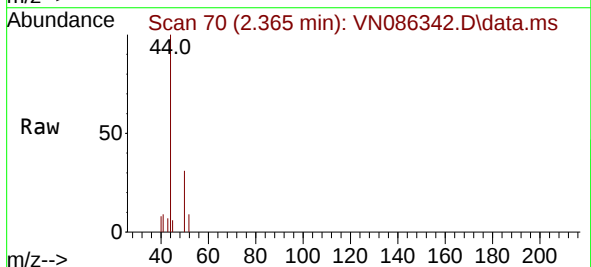
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#07

Tgt Ion:168 Resp: 202880
Ion Ratio Lower Upper
168 100
99 61.0 52.5 78.7



#3
Chloromethane
Concen: 0.379 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086342.D
Acq: 18 Apr 2025 14:31

Tgt Ion: 50 Resp: 1326
Ion Ratio Lower Upper
50 100
52 28.4 26.5 39.7

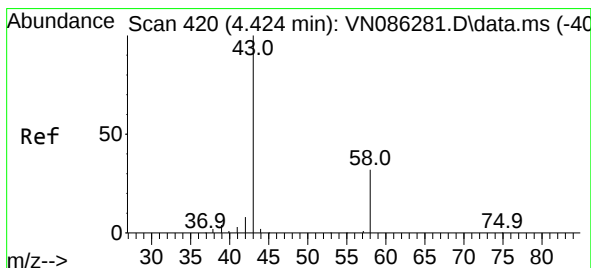
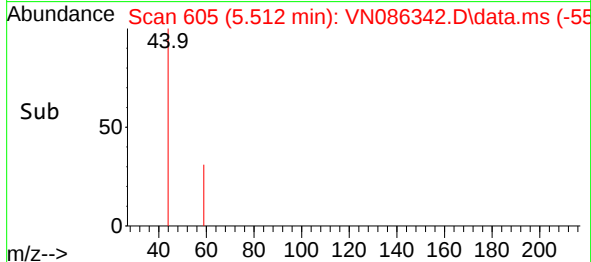
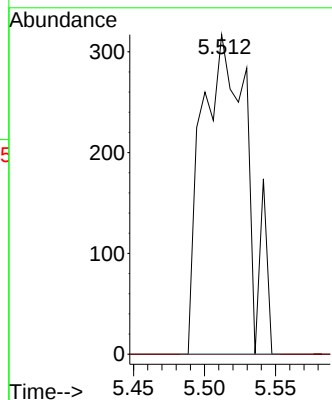
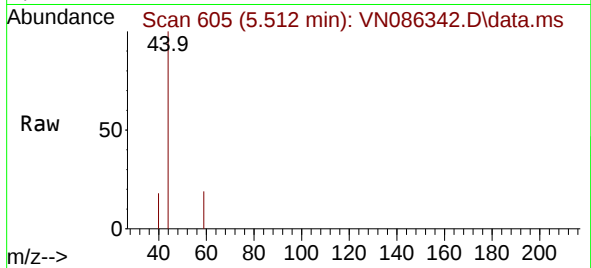




#11
Tert butyl alcohol
Concen: 1.319 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.000 min
Lab File: VN086342.D
Acq: 18 Apr 2025 14:31

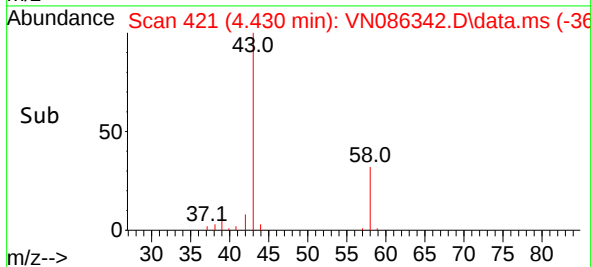
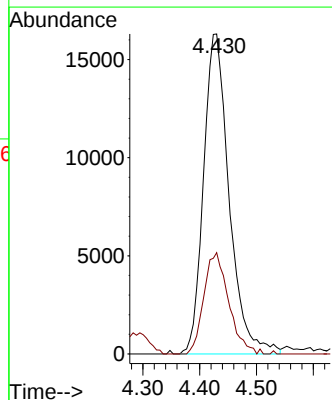
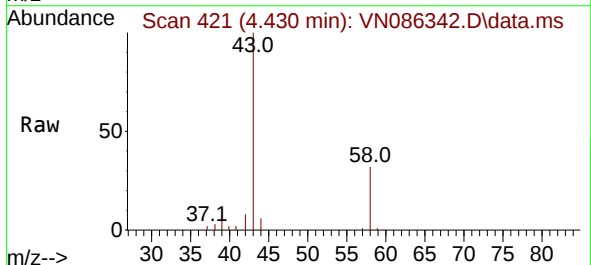
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#07

Tgt Ion: 59 Resp: 708
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 45.583 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086342.D
Acq: 18 Apr 2025 14:31

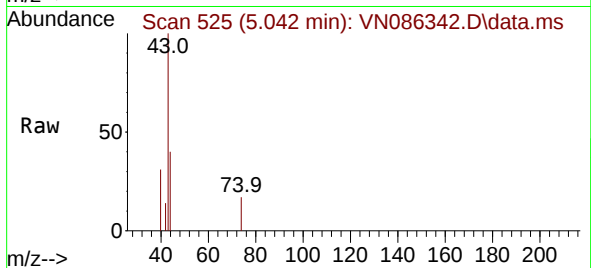
Tgt Ion: 43 Resp: 51111
Ion Ratio Lower Upper
43 100
58 31.6 25.3 37.9



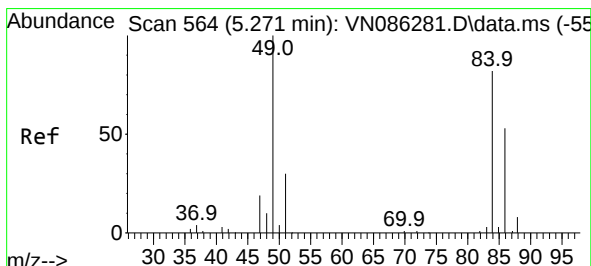
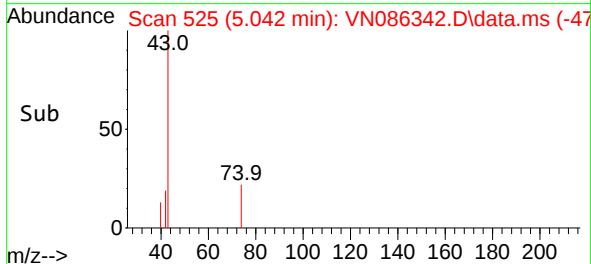
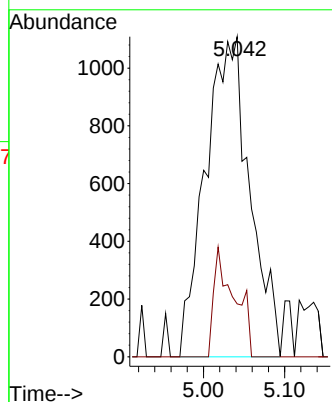


#18
Methyl Acetate
Concen: 1.196 ug/l
RT: 5.042 min Scan# 51
Delta R.T. 0.023 min
Lab File: VN086342.D
Acq: 18 Apr 2025 14:31

Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#07

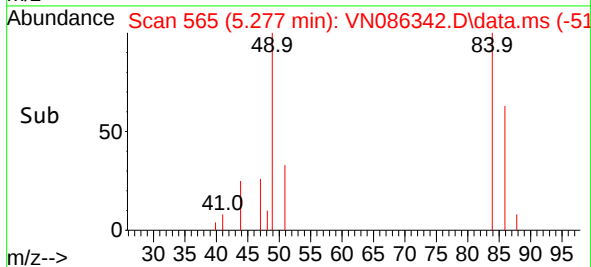
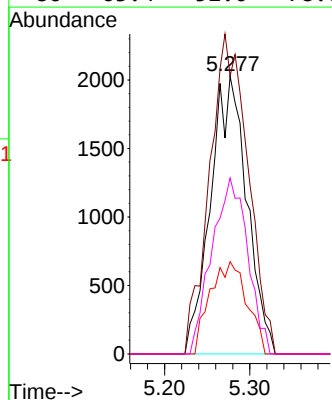
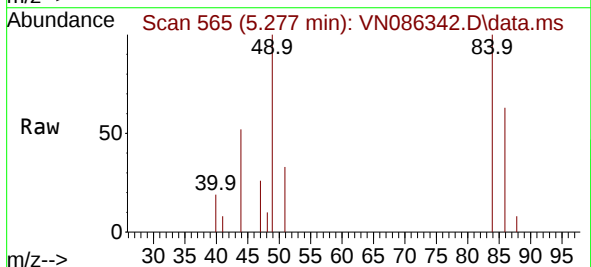


Tgt Ion: 43 Resp: 4225
Ion Ratio Lower Upper
43 100
74 0.0 19.8 29.6#



#20
Methylene Chloride
Concen: 2.209 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086342.D
Acq: 18 Apr 2025 14:31

Tgt Ion: 84 Resp: 6008
Ion Ratio Lower Upper
84 100
49 100.1 98.2 147.2
51 33.2 29.8 44.6
86 63.4 52.0 78.0

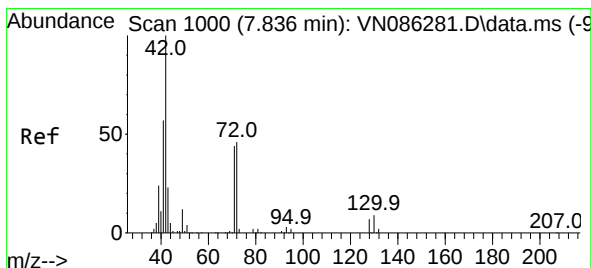
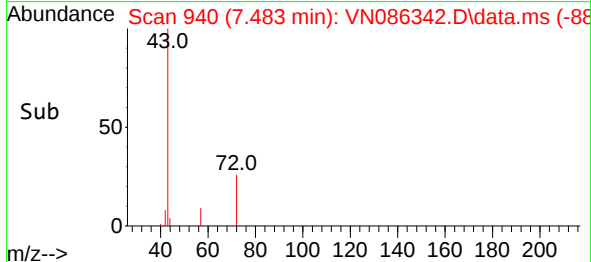
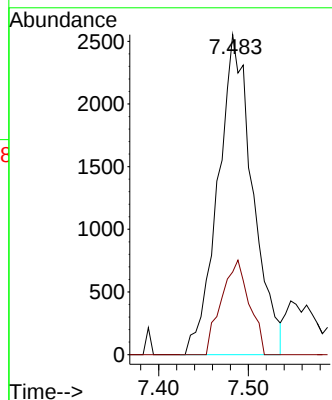
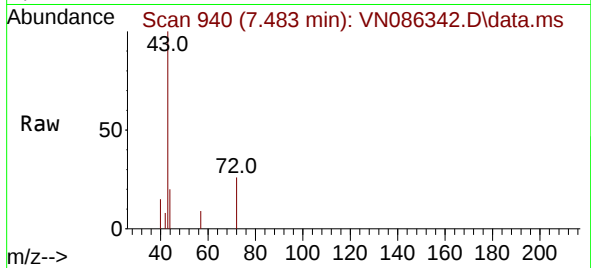




#25
2-Butanone
Concen: 3.753 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN086342.D
Acq: 18 Apr 2025 14:31

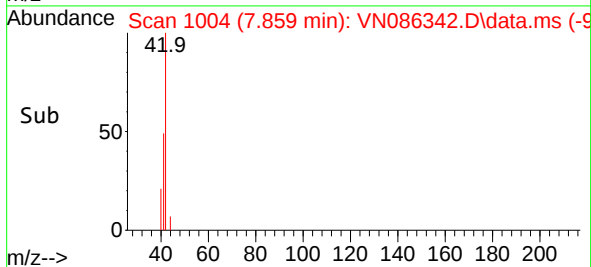
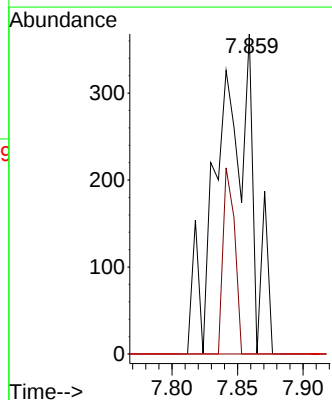
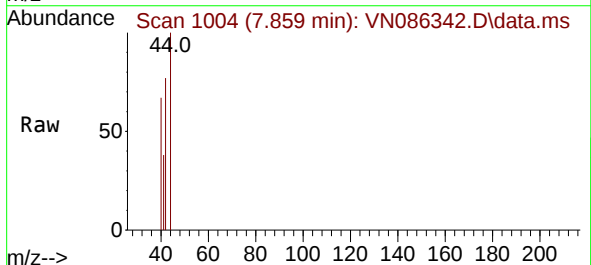
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PB167623ZHE#07

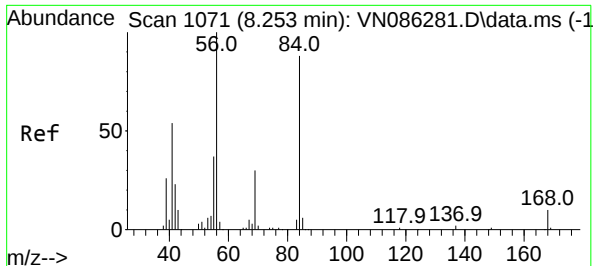
Tgt Ion: 43 Resp: 6873
Ion Ratio Lower Upper
43 100
72 25.9 21.7 32.5



#29
Tetrahydrofuran
Concen: 0.545 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.023 min
Lab File: VN086342.D
Acq: 18 Apr 2025 14:31

Tgt Ion: 42 Resp: 667
Ion Ratio Lower Upper
42 100
72 19.6 36.2 54.4#
71 0.0 34.0 51.0#

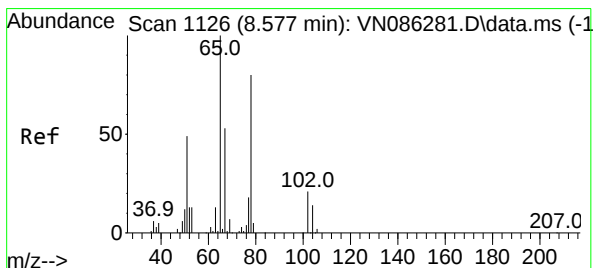
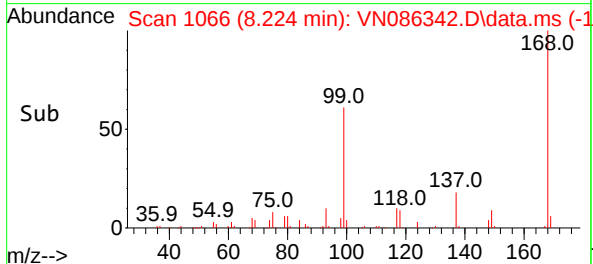
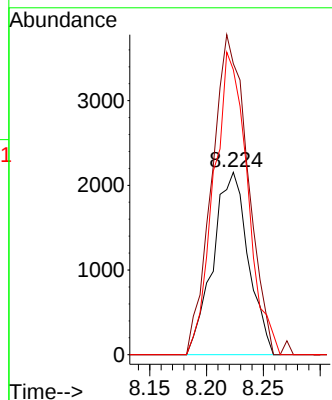
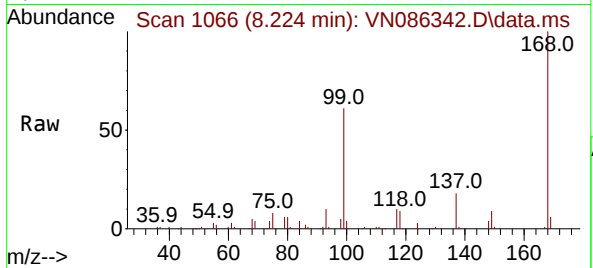




#31
Cyclohexane
Concen: 0.976 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN086342.D
Acq: 18 Apr 2025 14:31

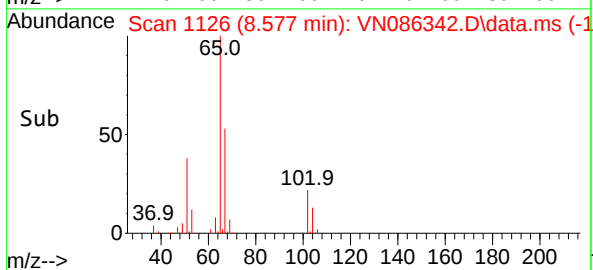
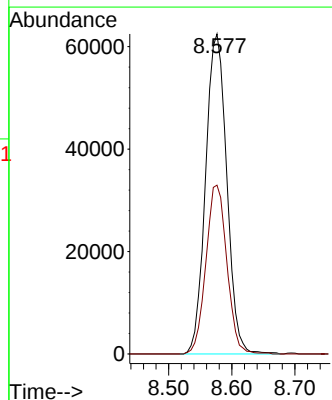
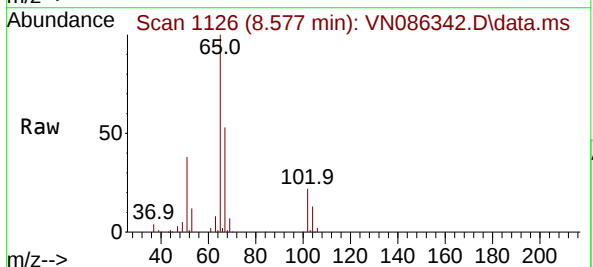
Instrument :
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ClientSampleId :
PB167623ZHE#07

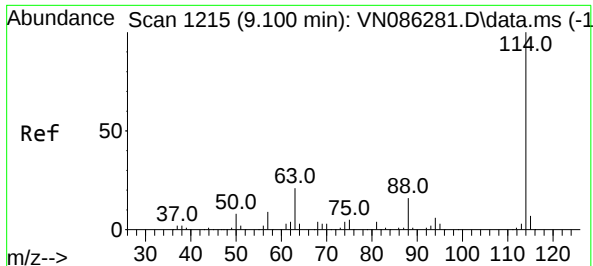
Tgt Ion: 56 Resp: 4652
Ion Ratio Lower Upper
56 100
69 159.6 24.2 36.2#
84 156.3 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 49.478 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086342.D
Acq: 18 Apr 2025 14:31

Tgt Ion: 65 Resp: 145561
Ion Ratio Lower Upper
65 100
67 52.2 0.0 106.0

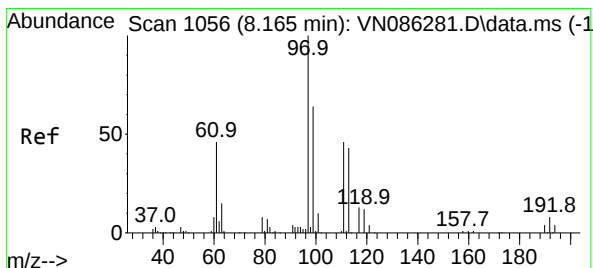
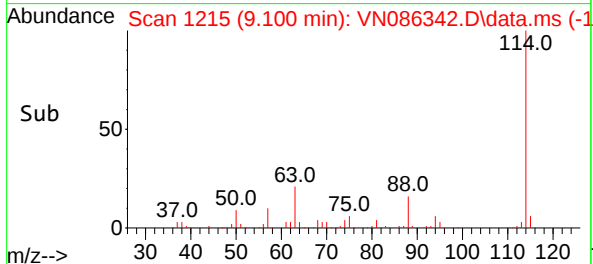
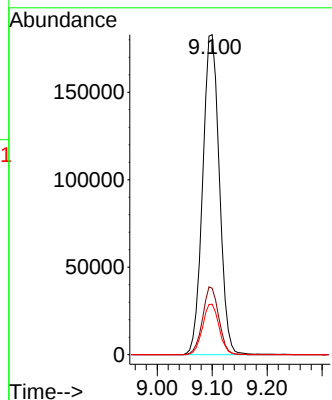
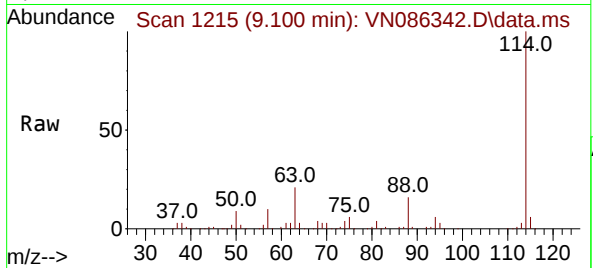




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086342.D
Acq: 18 Apr 2025 14:31

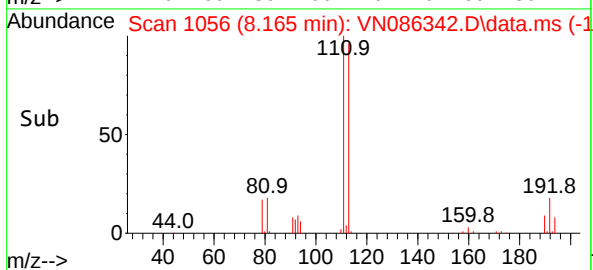
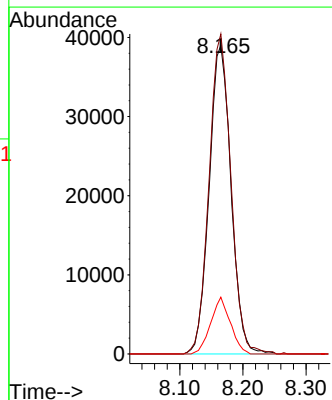
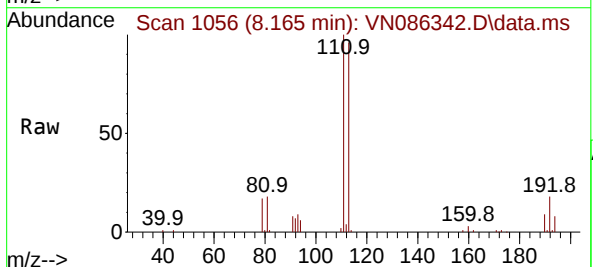
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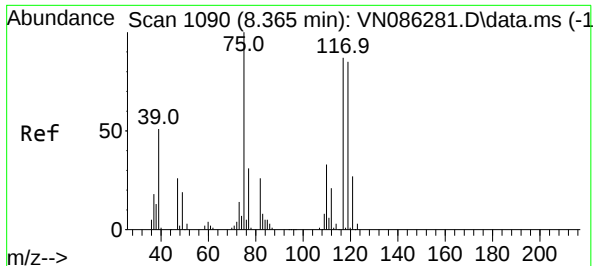
Tgt Ion:114 Resp: 385830
Ion Ratio Lower Upper
114 100
63 20.7 0.0 42.6
88 15.8 0.0 31.8



#35
Dibromofluoromethane
Concen: 52.422 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086342.D
Acq: 18 Apr 2025 14:31

Tgt Ion:113 Resp: 93871
Ion Ratio Lower Upper
113 100
111 103.4 83.4 125.0
192 16.6 13.7 20.5

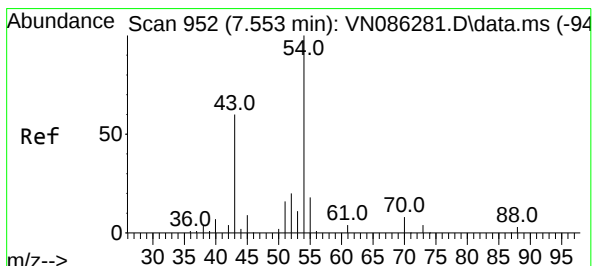
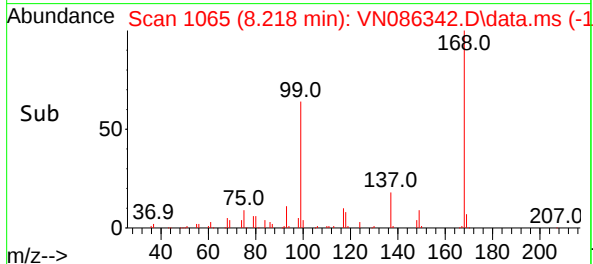
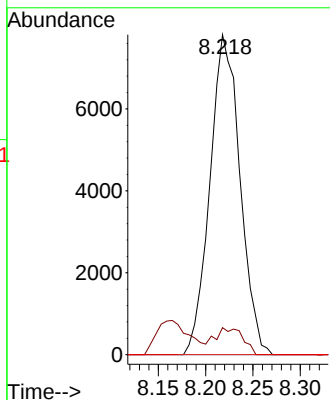
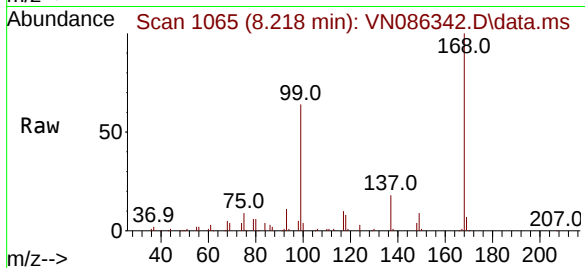




#36
1,1-Dichloropropene
Concen: 4.828 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN086342.D
Acq: 18 Apr 2025 14:31

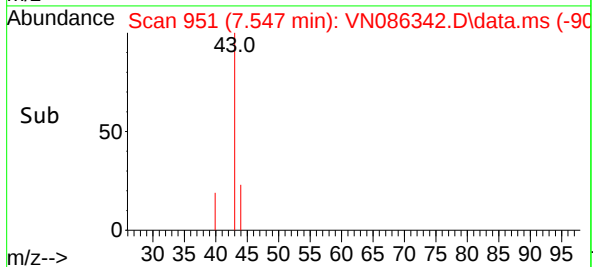
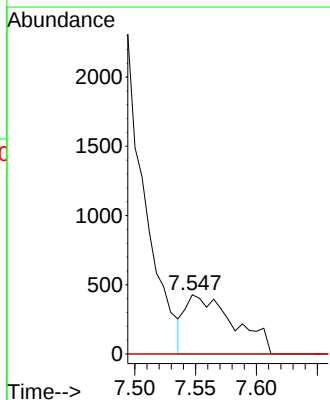
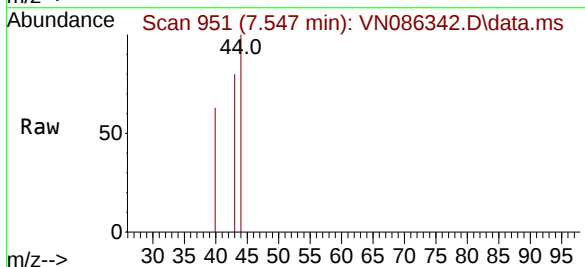
Instrument :
MSVOA_N
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PB167623ZHE#07

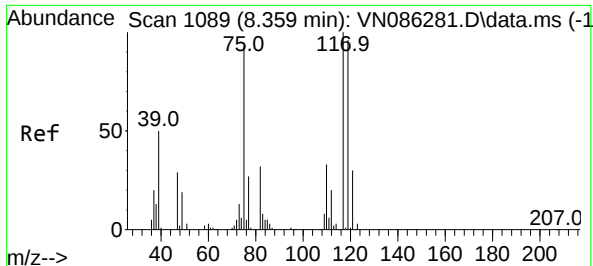
Tgt Ion: 75 Resp: 17268
Ion Ratio Lower Upper
75 100
110 7.8 16.8 50.4#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 0.316 ug/l
RT: 7.547 min Scan# 951
Delta R.T. -0.006 min
Lab File: VN086342.D
Acq: 18 Apr 2025 14:31

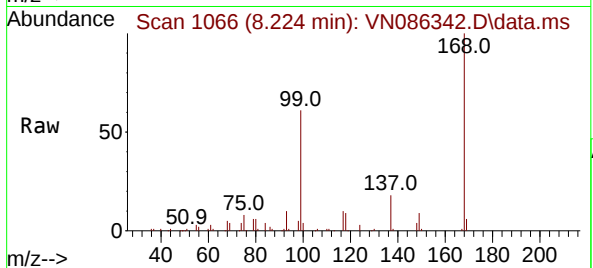
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Ion Ratio Lower Upper
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70 0.0 9.2 13.8#



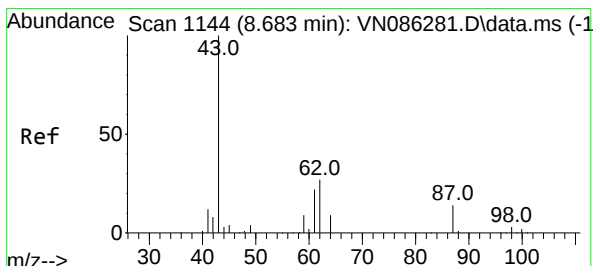
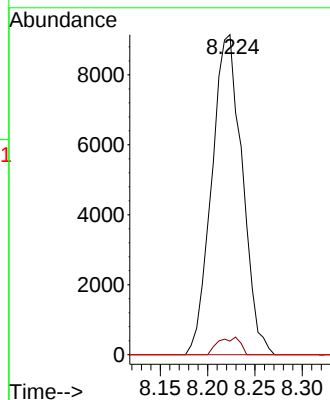
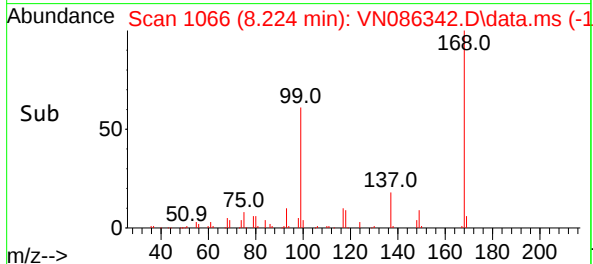


#38
Carbon Tetrachloride
Concen: 6.020 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN086342.D
Acq: 18 Apr 2025 14:31

Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#07

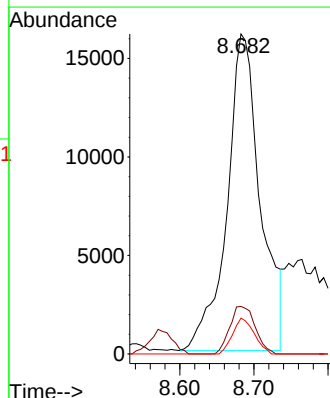
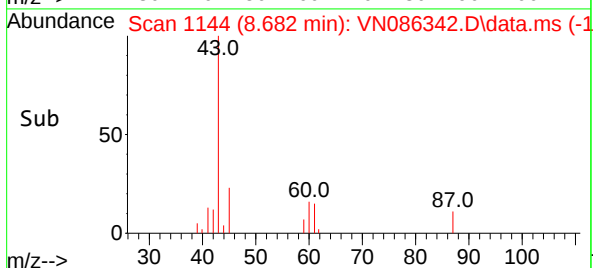
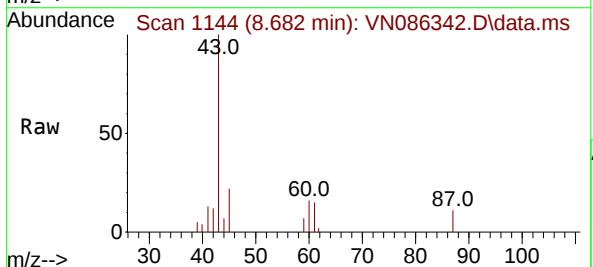


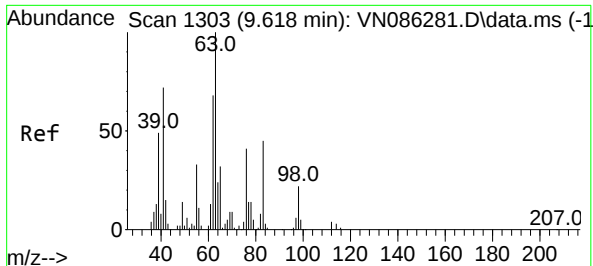
Tgt Ion:117 Resp: 20504
Ion Ratio Lower Upper
117 100
119 4.3 76.8 115.2#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: 5.679 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.001 min
Lab File: VN086342.D
Acq: 18 Apr 2025 14:31

Tgt Ion: 43 Resp: 50292
Ion Ratio Lower Upper
43 100
61 11.4 20.5 30.7#
87 7.3 10.5 15.7#





#45

1,2-Dichloropropane

Concen: 0.466 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.118 min

Lab File: VN086342.D

Acq: 18 Apr 2025 14:31

Instrument :

MSVOA_N

ClientSampleId :

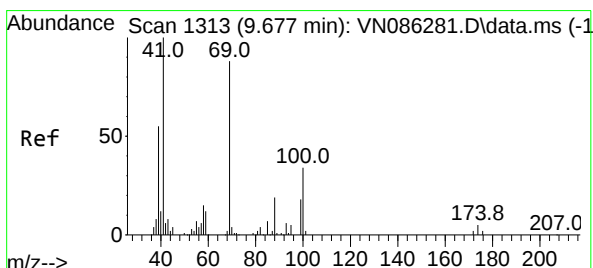
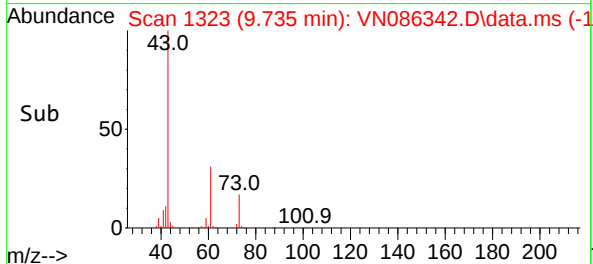
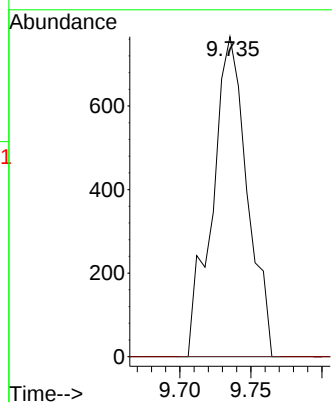
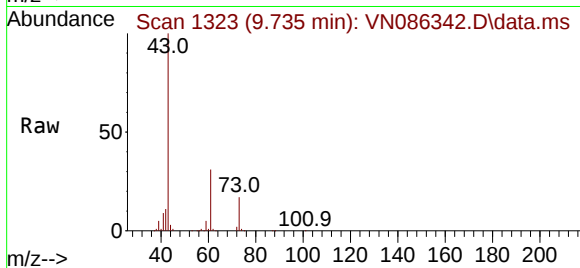
PB167623ZHE#07

Tgt Ion: 63 Resp: 1308

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.2#



#48

Methyl methacrylate

Concen: 25.935 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.065 min

Lab File: VN086342.D

Acq: 18 Apr 2025 14:31

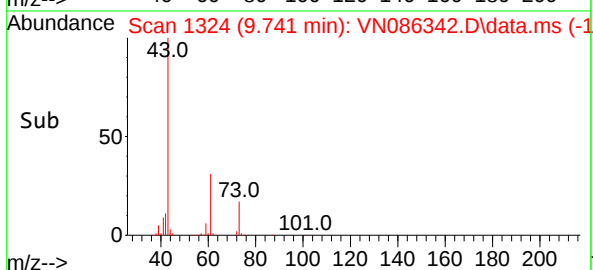
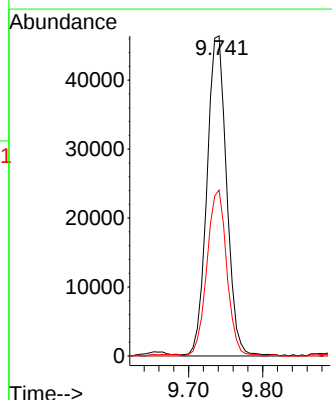
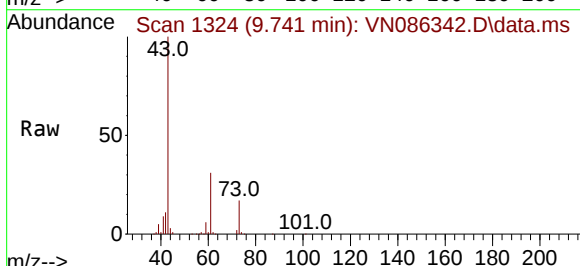
Tgt Ion: 41 Resp: 85758

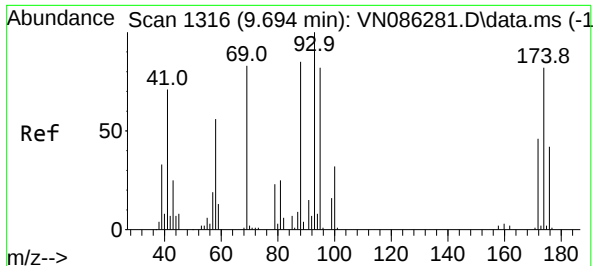
Ion Ratio Lower Upper

41 100

69 0.0 68.2 102.2#

39 52.1 45.2 67.8





#49

1,4-Dioxane

Concen: 1.031 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN086342.D

Acq: 18 Apr 2025 14:31

Instrument :

MSVOA_N

ClientSampleId :

PB167623ZHE#07

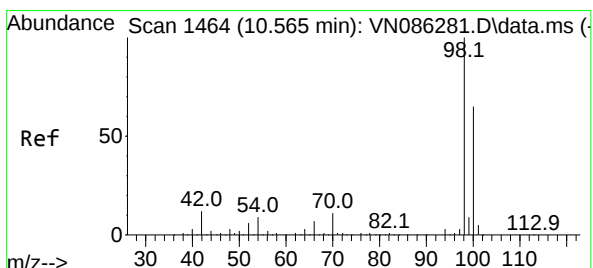
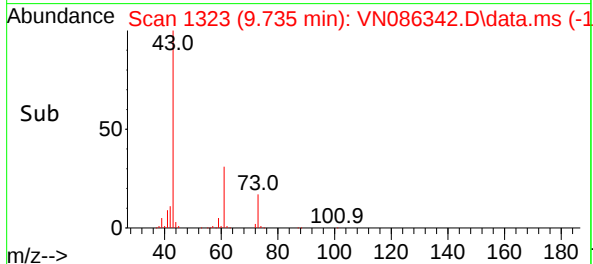
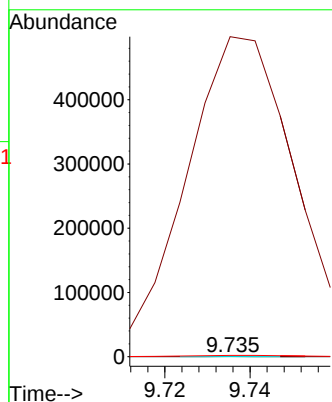
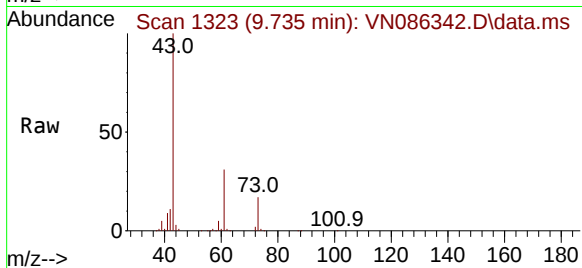
Tgt Ion: 88 Resp: 58

Ion Ratio Lower Upper

88 100

43 1576198.3 23.8 35.8#

58 6210.3 57.4 86.2#



#50

Toluene-d8

Concen: 51.604 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086342.D

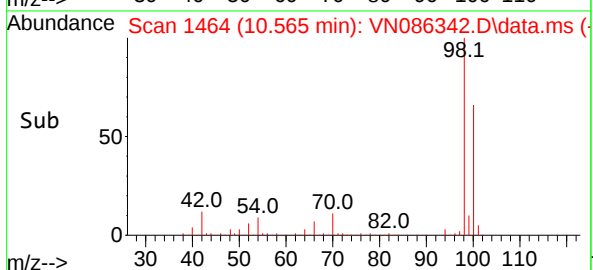
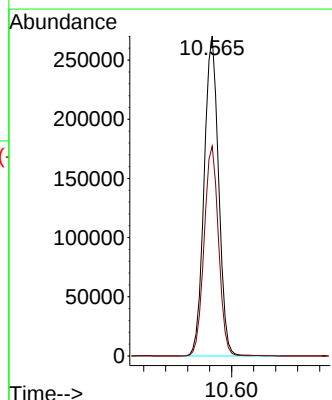
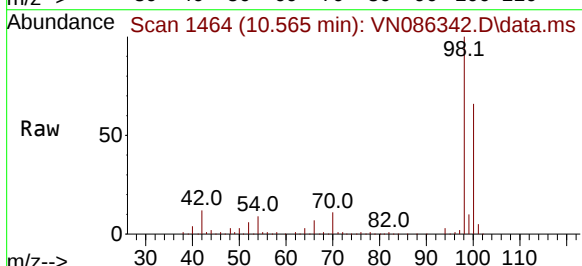
Acq: 18 Apr 2025 14:31

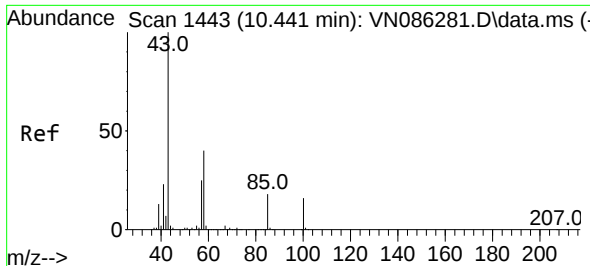
Tgt Ion: 98 Resp: 493865

Ion Ratio Lower Upper

98 100

100 65.3 52.5 78.7

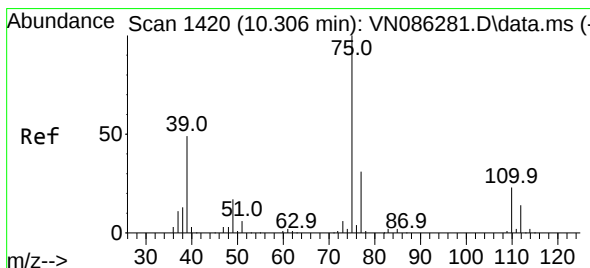
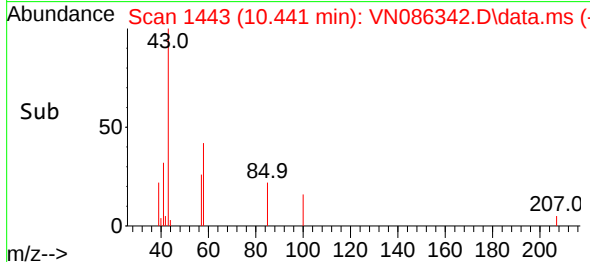
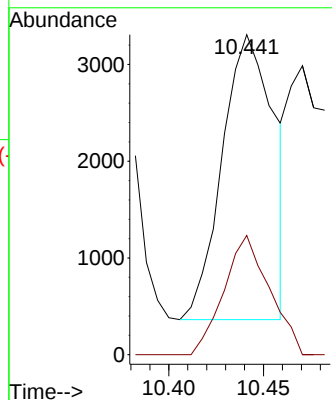
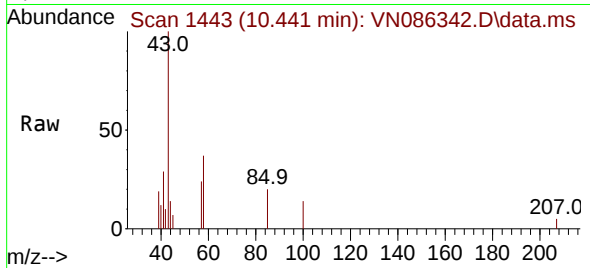




#51
4-Methyl-2-Pentanone
Concen: 1.453 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086342.D
Acq: 18 Apr 2025 14:31

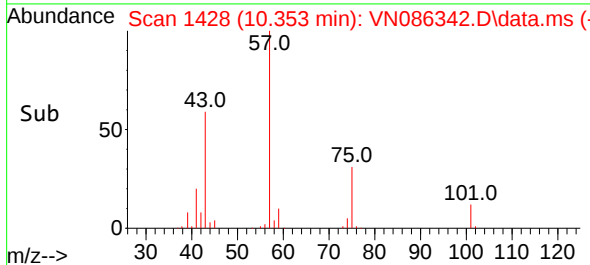
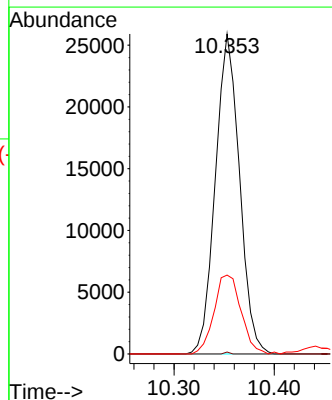
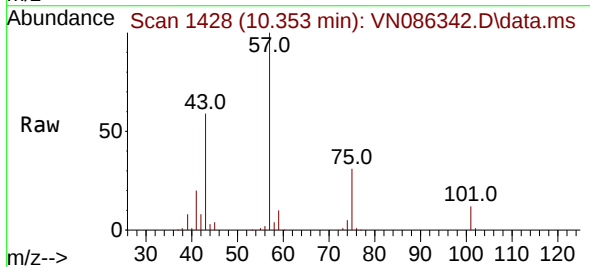
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#07

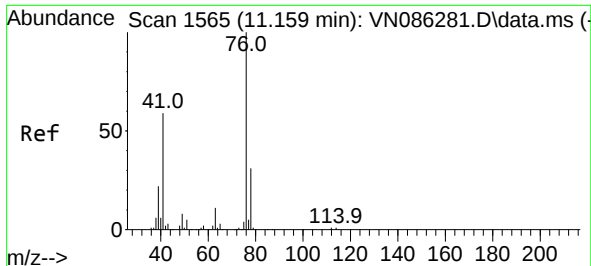
Tgt Ion: 43 Resp: 5601
Ion Ratio Lower Upper
43 100
58 36.8 32.2 48.4



#54
cis-1,3-Dichloropropene
Concen: 9.135 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN086342.D
Acq: 18 Apr 2025 14:31

Tgt Ion: 75 Resp: 43235
Ion Ratio Lower Upper
75 100
77 0.6 25.2 37.8#
39 24.6 39.3 58.9#





#57

1,3-Dichloropropane

Concen: 0.816 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN086342.D

Acq: 18 Apr 2025 14:31

Instrument :

MSVOA_N

ClientSampleId :

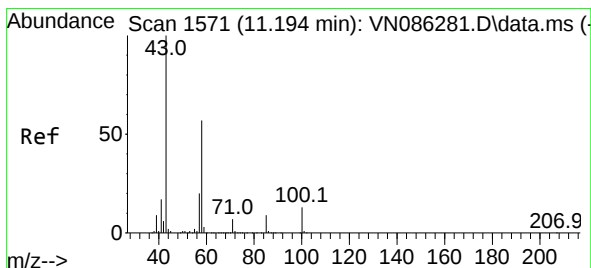
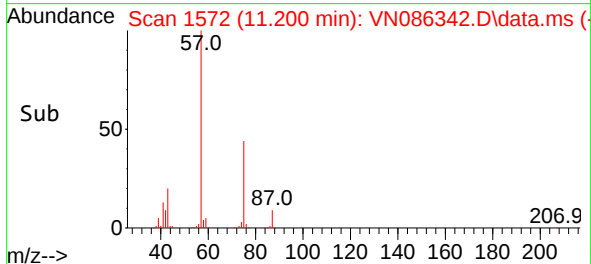
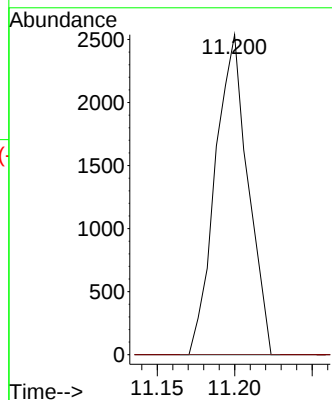
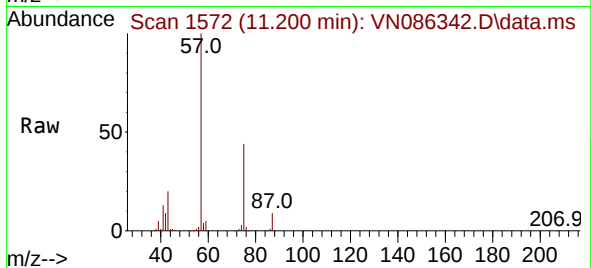
PB167623ZHE#07

Tgt Ion: 76 Resp: 3726

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 24.997 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN086342.D

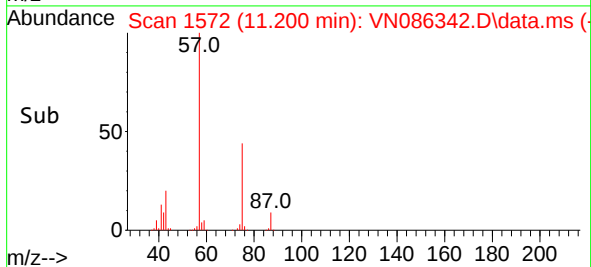
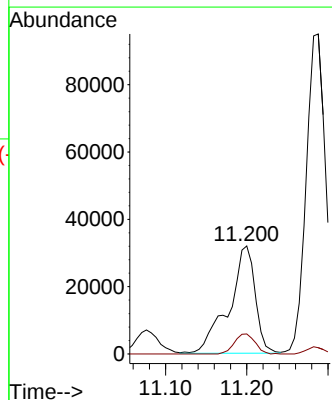
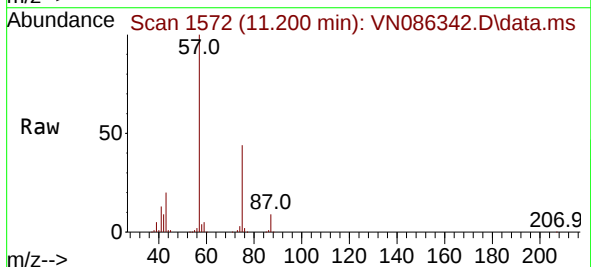
Acq: 18 Apr 2025 14:31

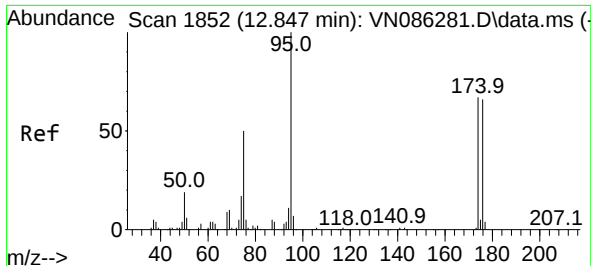
Tgt Ion: 43 Resp: 71490

Ion Ratio Lower Upper

43 100

58 14.8 28.3 85.0#

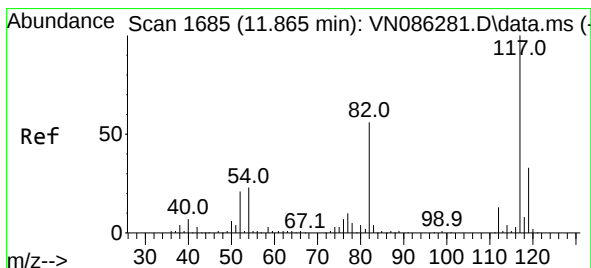
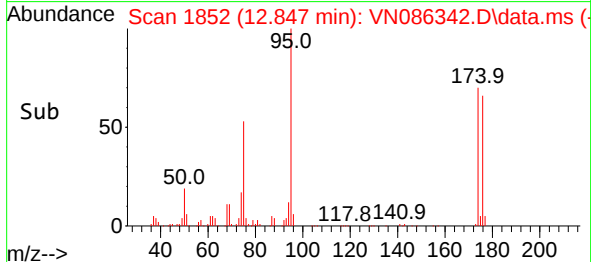
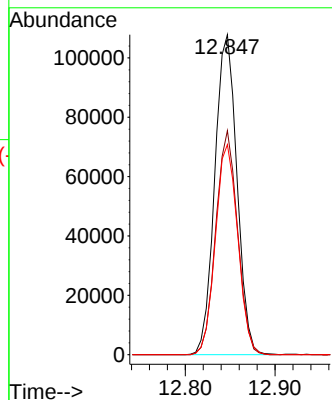
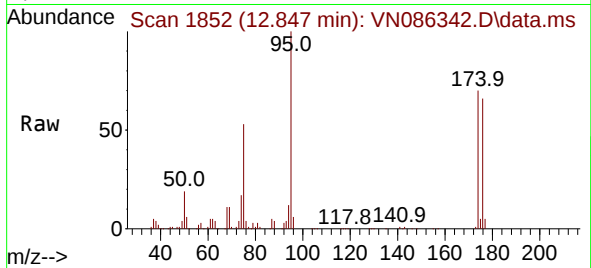




#62
4-Bromofluorobenzene
Concen: 52.949 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086342.D
Acq: 18 Apr 2025 14:31

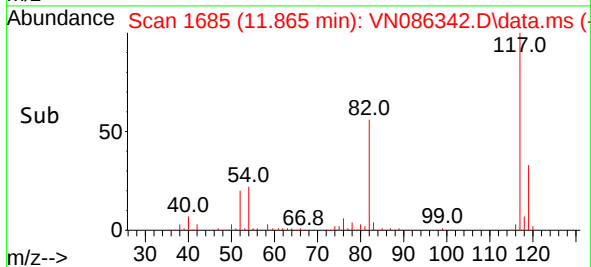
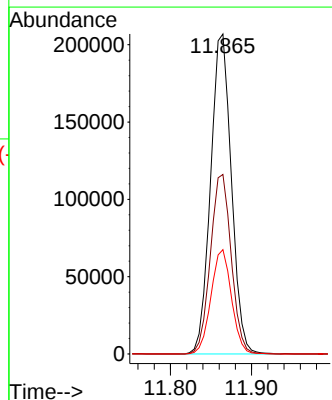
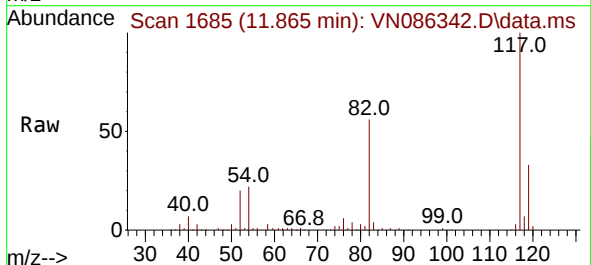
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#07

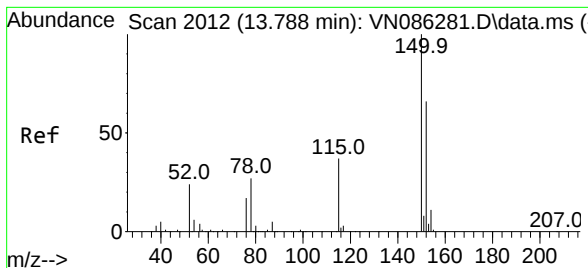
Tgt Ion: 95 Resp: 184830
Ion Ratio Lower Upper
95 100
174 68.7 0.0 133.4
176 66.1 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086342.D
Acq: 18 Apr 2025 14:31

Tgt Ion: 117 Resp: 367952
Ion Ratio Lower Upper
117 100
82 56.1 44.7 67.1
119 32.6 26.4 39.6

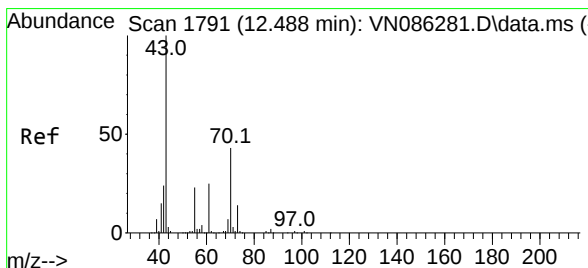
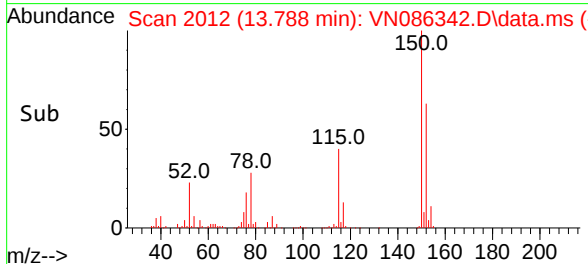
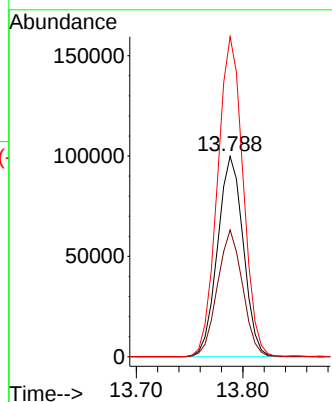
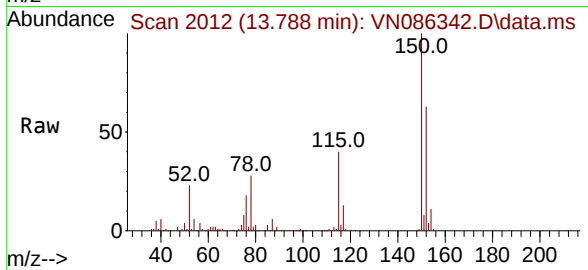




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086342.D
Acq: 18 Apr 2025 14:31

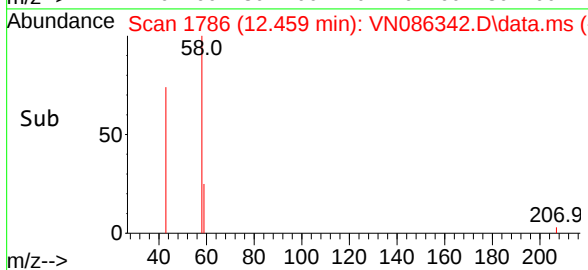
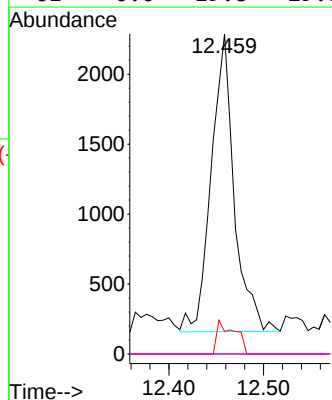
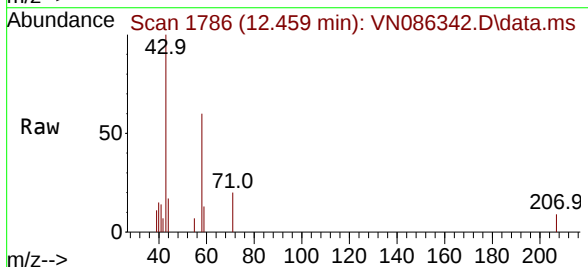
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#07

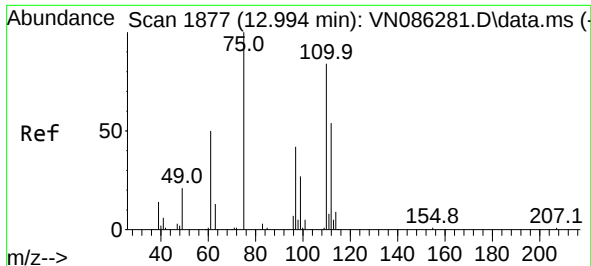
Tgt Ion:152 Resp: 167046
Ion Ratio Lower Upper
152 100
115 62.1 31.9 95.9
150 159.3 0.0 352.0



#74
N-ethyl acetate
Concen: 0.530 ug/l
RT: 12.459 min Scan# 1786
Delta R.T. -0.030 min
Lab File: VN086342.D
Acq: 18 Apr 2025 14:31

Tgt Ion: 43 Resp: 3603
Ion Ratio Lower Upper
43 100
70 0.0 35.0 52.4#
55 8.7 19.0 28.4#
61 0.0 19.8 29.8#

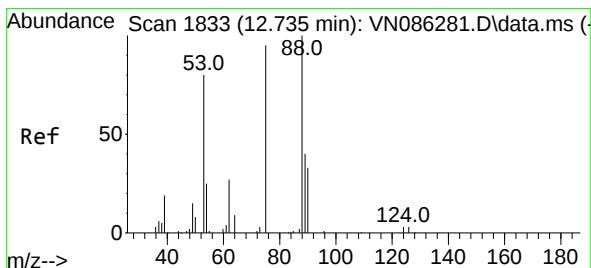
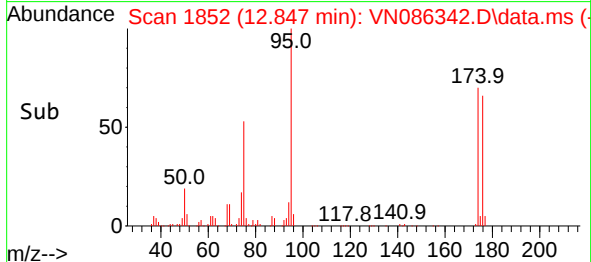
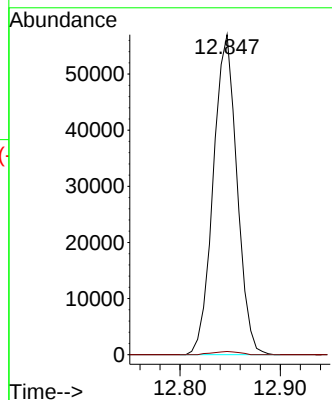
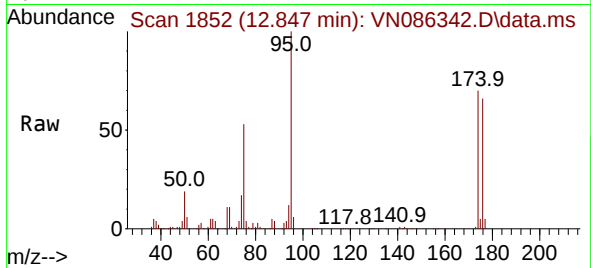




#76
1,2,3-Trichloropropane
Concen: 23.758 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086342.D
Acq: 18 Apr 2025 14:31

Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#07

Tgt Ion: 75 Resp: 93656
Ion Ratio Lower Upper
75 100
77 1.1 98.8 296.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.059 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086342.D
Acq: 18 Apr 2025 14:31

Tgt Ion: 75 Resp: 93656
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#

