

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041825\
 Data File : VN086345.D
 Acq On : 18 Apr 2025 15:43
 Operator : JC\MD
 Sample : PB167623ZHE#10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167623ZHE#10

Quant Time: Apr 19 02:26:42 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

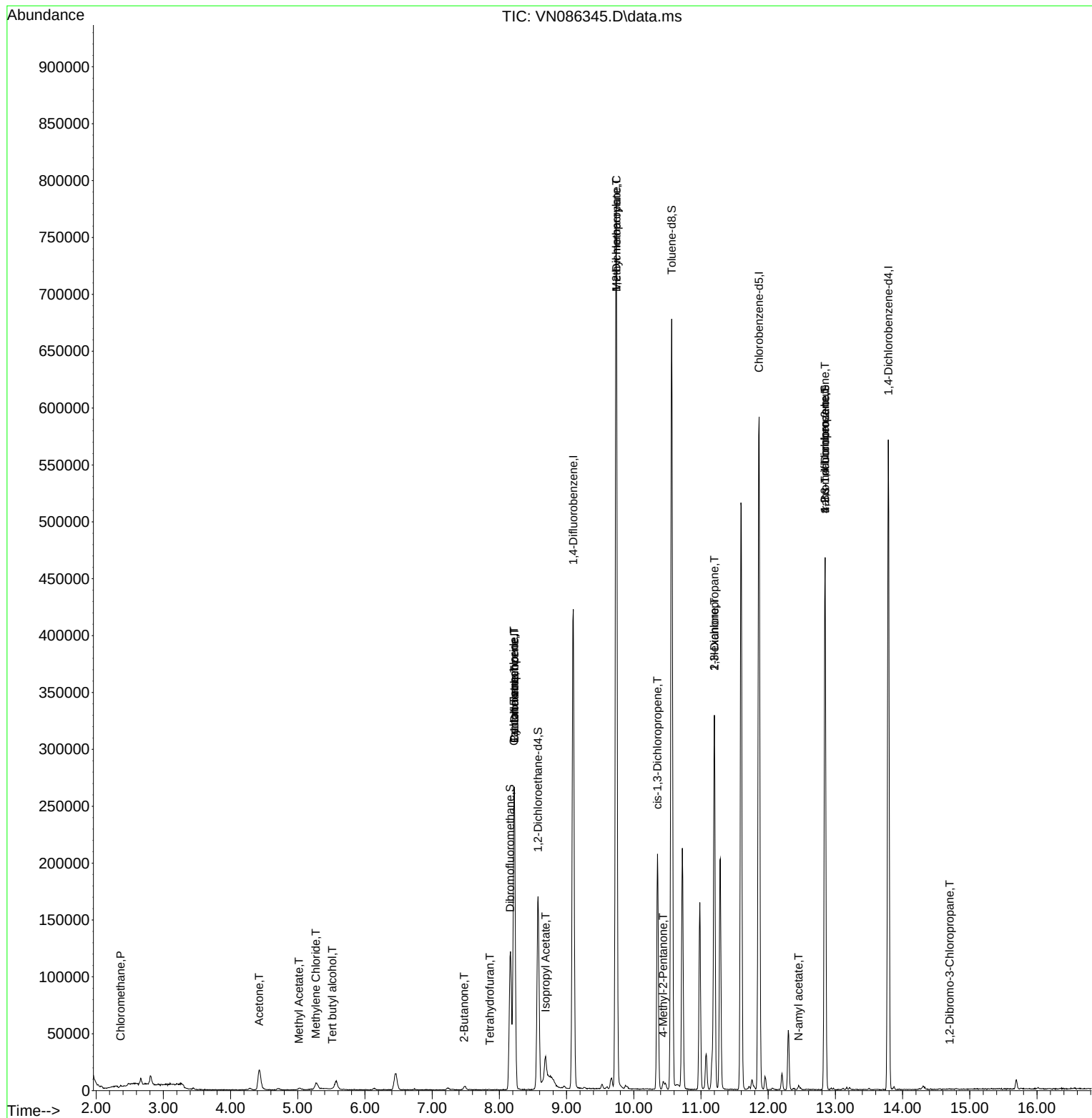
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	195047	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	376446	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	348966	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	154510	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	140325	49.614	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.220%
35) Dibromofluoromethane	8.159	113	91680	52.474	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.940%
50) Toluene-d8	10.565	98	479043	51.303	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.600%
62) 4-Bromofluorobenzene	12.847	95	171606	50.387	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	100.780%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1000	0.298	ug/l #	78
11) Tert butyl alcohol	5.512	59	246	0.477	ug/l #	72
16) Acetone	4.424	43	36063	31.900	ug/l	98
18) Methyl Acetate	5.018	43	3939	1.160	ug/l #	76
20) Methylene Chloride	5.271	84	4373	1.672	ug/l	96
25) 2-Butanone	7.477	43	6345	3.604	ug/l #	87
29) Tetrahydrofuran	7.859	42	382	0.324	ug/l #	32
31) Cyclohexane	8.224	56	4946	1.079	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	16818	4.819	ug/l #	49
38) Carbon Tetrachloride	8.218	117	20323	6.115	ug/l #	16
43) Isopropyl Acetate	8.688	43	45409	5.114	ug/l #	75
45) 1,2-Dichloropropane	9.741	63	859	0.314	ug/l #	43
48) Methyl methacrylate	9.741	41	72044	22.330	ug/l #	42
51) 4-Methyl-2-Pentanone	10.435	43	4901	1.303	ug/l	91
54) cis-1,3-Dichloropropene	10.353	75	38930	8.431	ug/l #	58
57) 1,3-Dichloropropane	11.200	76	3325	0.747	ug/l #	43
59) 2-Hexanone	11.200	43	69930	25.061	ug/l #	41
74) N-amyl acetate	12.453	43	3095	0.492	ug/l #	44
76) 1,2,3-Trichloropropane	12.847	75	86192	23.639	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	86192	56.772	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.700	75	560	0.764	ug/l #	5

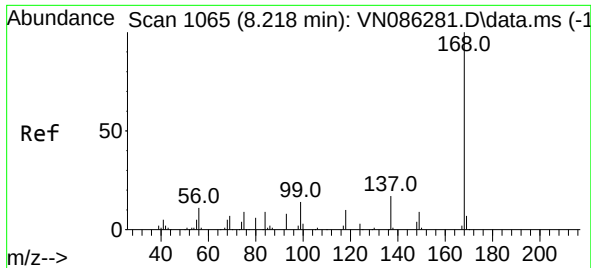
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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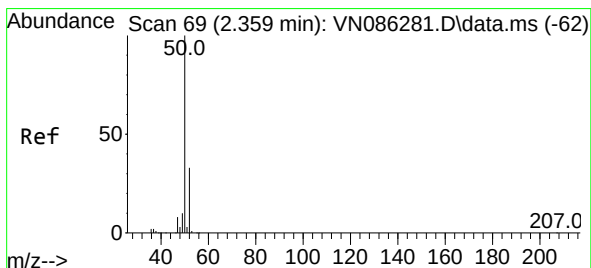
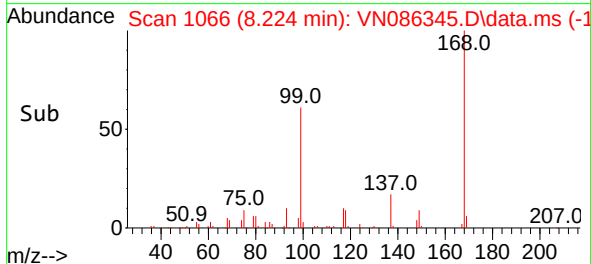
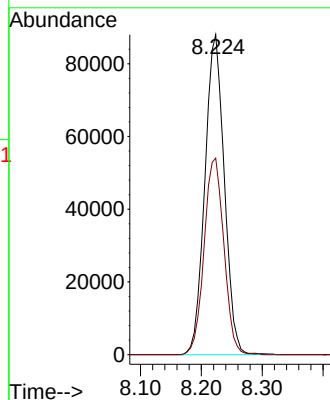
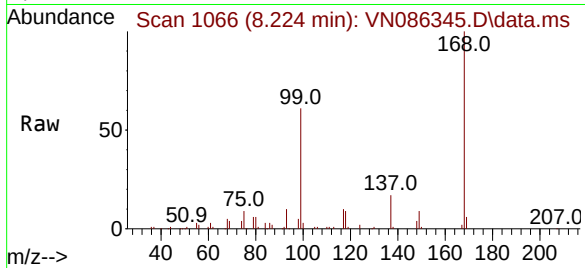




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086345.D
Acq: 18 Apr 2025 15:43

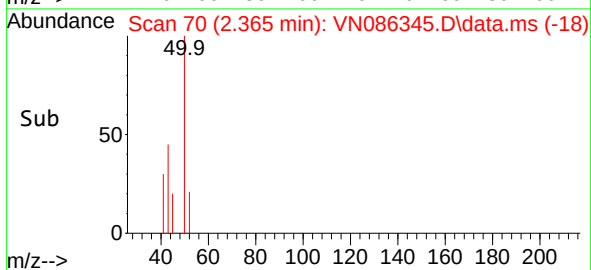
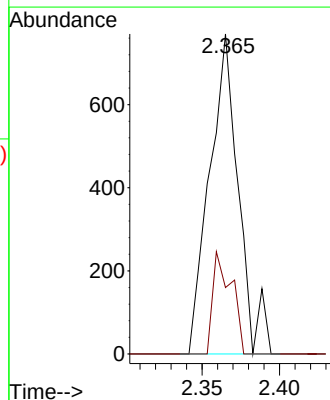
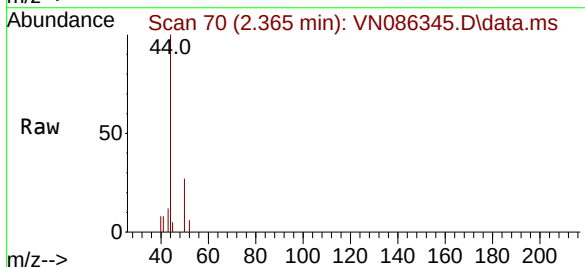
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#10

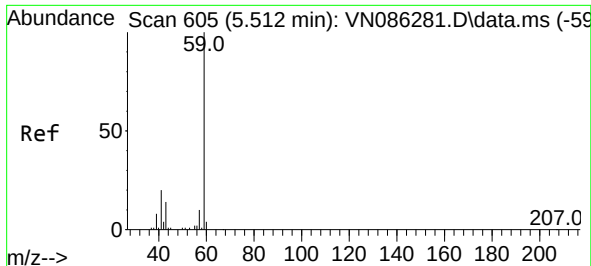
Tgt Ion:168 Resp: 195047
Ion Ratio Lower Upper
168 100
99 61.5 52.5 78.7



#3
Chloromethane
Concen: 0.298 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086345.D
Acq: 18 Apr 2025 15:43

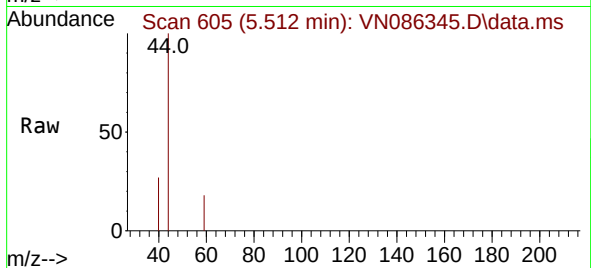
Tgt Ion: 50 Resp: 1000
Ion Ratio Lower Upper
50 100
52 20.8 26.5 39.7#



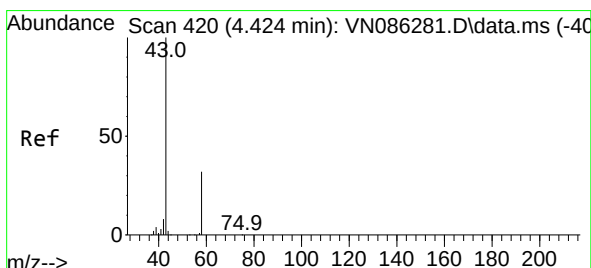
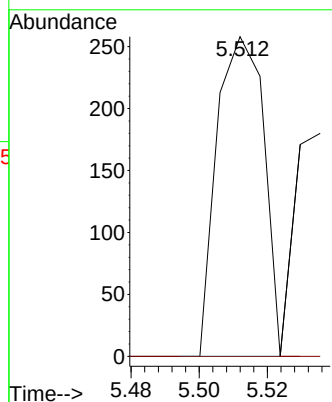
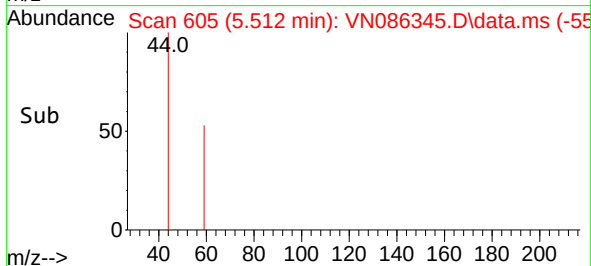


#11
Tert butyl alcohol
Concen: 0.477 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.000 min
Lab File: VN086345.D
Acq: 18 Apr 2025 15:43

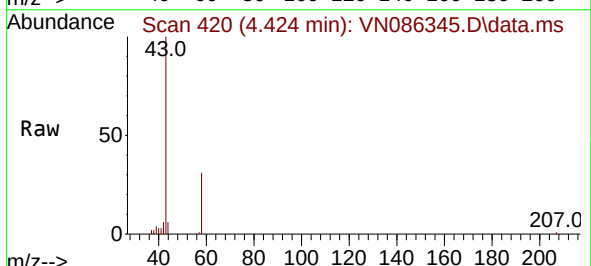
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#10



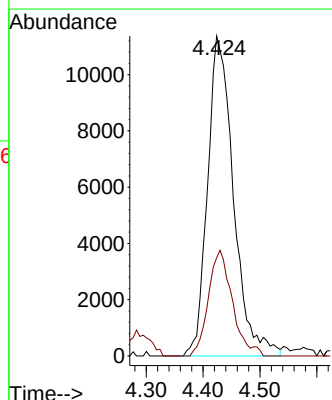
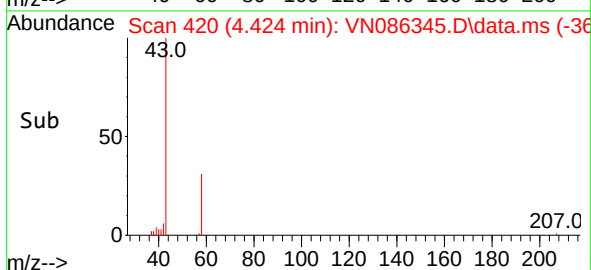
Tgt Ion: 59 Resp: 246
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

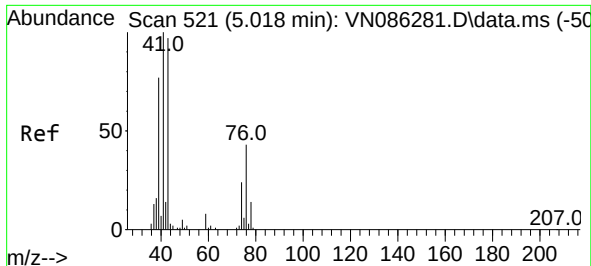


#16
Acetone
Concen: 31.900 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN086345.D
Acq: 18 Apr 2025 15:43



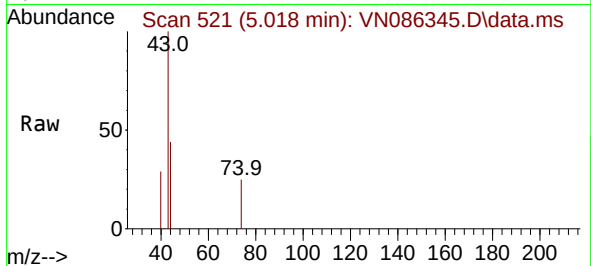
Tgt Ion: 43 Resp: 36063
Ion Ratio Lower Upper
43 100
58 30.7 25.3 37.9



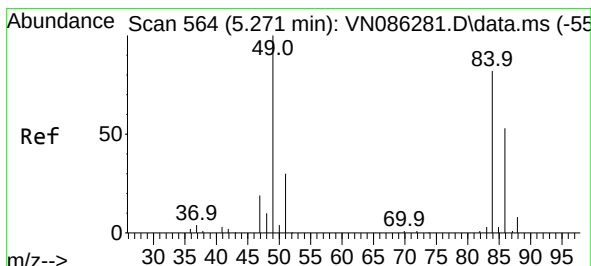
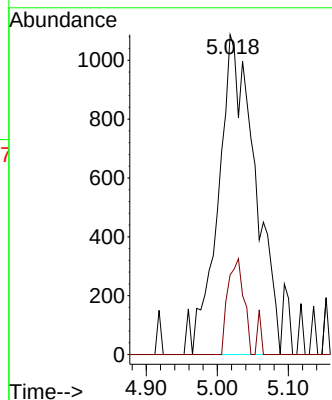
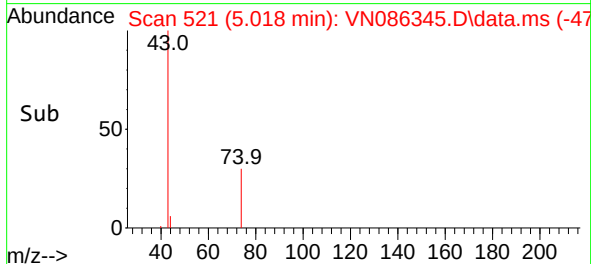


#18
Methyl Acetate
Concen: 1.160 ug/l
RT: 5.018 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN086345.D
Acq: 18 Apr 2025 15:43

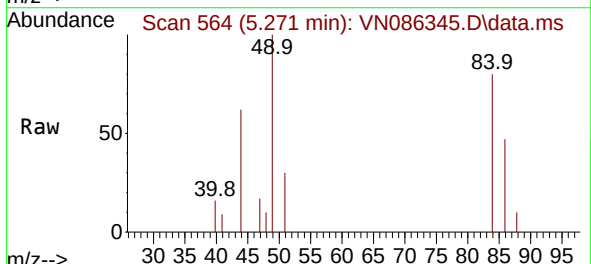
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#10



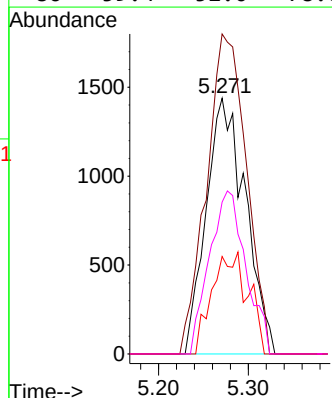
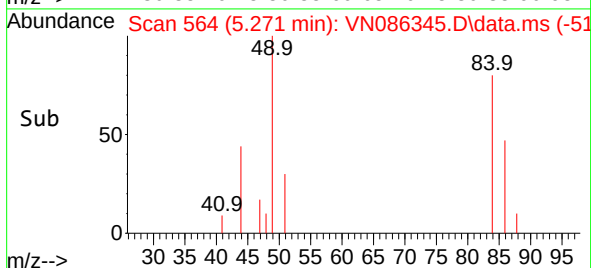
Tgt Ion: 43 Resp: 3939
Ion Ratio Lower Upper
43 100
74 12.8 19.8 29.6#

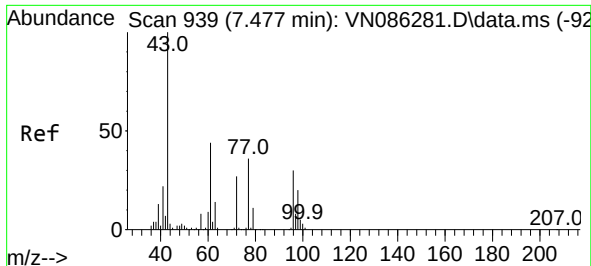


#20
Methylene Chloride
Concen: 1.672 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.000 min
Lab File: VN086345.D
Acq: 18 Apr 2025 15:43



Tgt Ion: 84 Resp: 4373
Ion Ratio Lower Upper
84 100
49 125.2 98.2 147.2
51 38.1 29.8 44.6
86 59.4 52.0 78.0

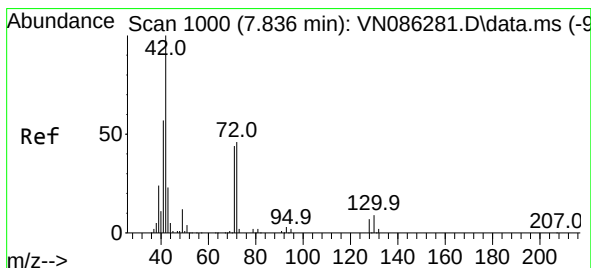
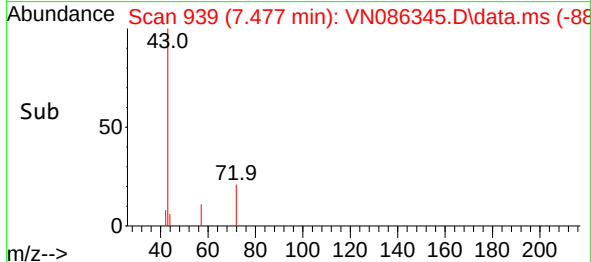
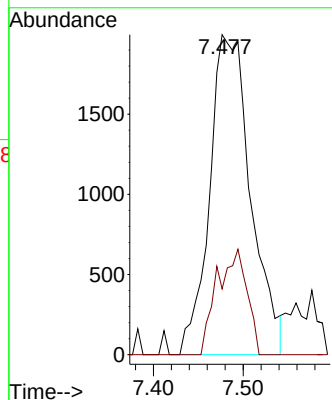
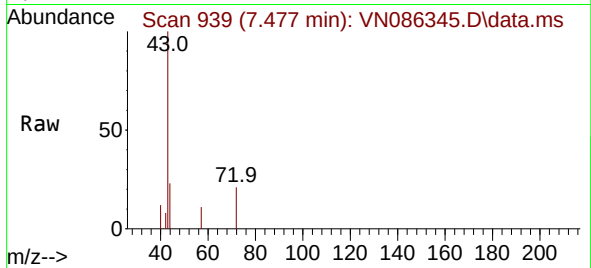




#25
2-Butanone
Concen: 3.604 ug/l
RT: 7.477 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN086345.D
Acq: 18 Apr 2025 15:43

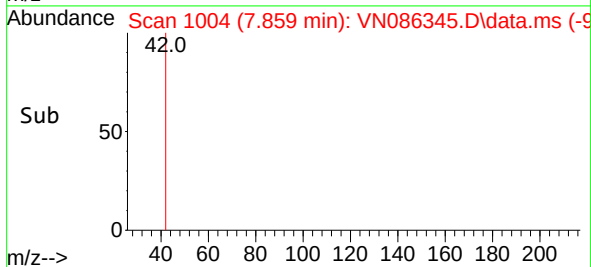
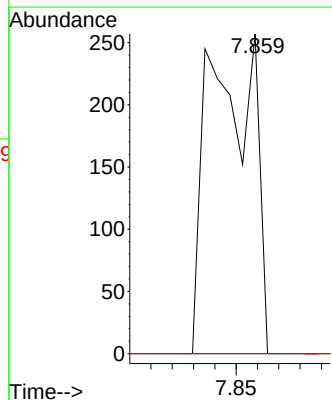
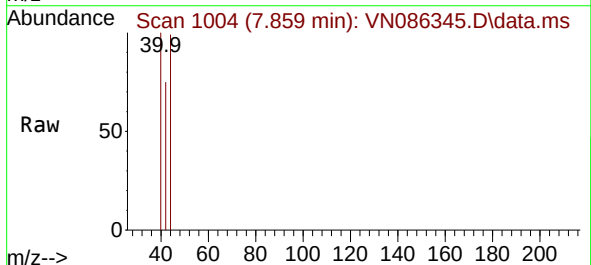
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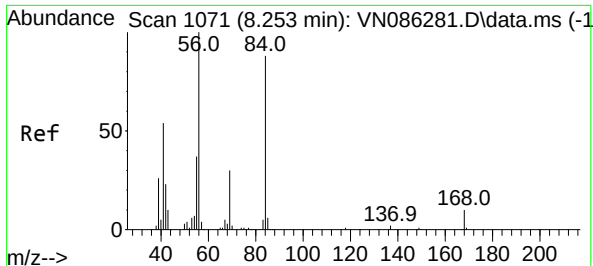
Tgt Ion: 43 Resp: 6345
Ion Ratio Lower Upper
43 100
72 20.5 21.7 32.5#



#29
Tetrahydrofuran
Concen: 0.324 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.023 min
Lab File: VN086345.D
Acq: 18 Apr 2025 15:43

Tgt Ion: 42 Resp: 382
Ion Ratio Lower Upper
42 100
72 0.0 36.2 54.4#
71 0.0 34.0 51.0#

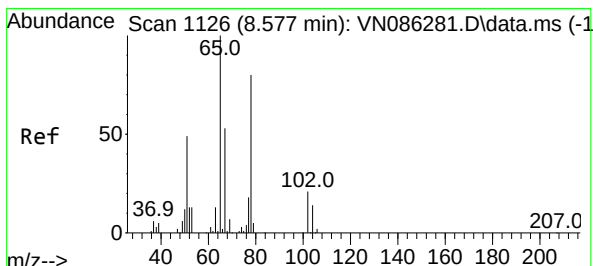
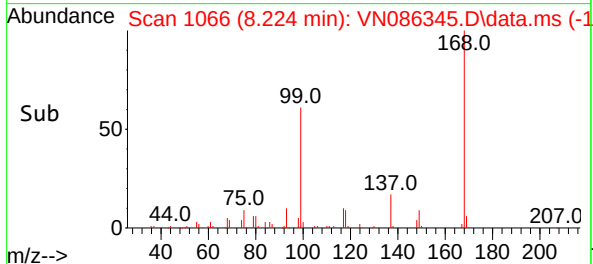
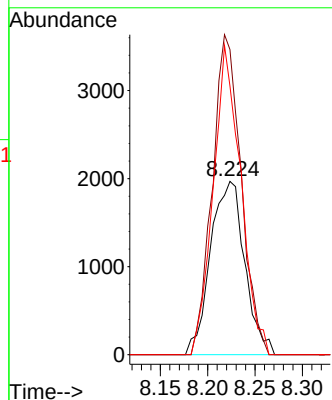
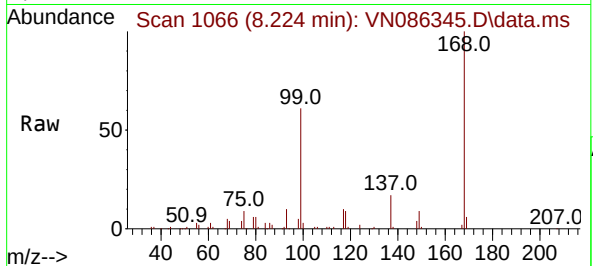




#31
Cyclohexane
Concen: 1.079 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN086345.D
Acq: 18 Apr 2025 15:43

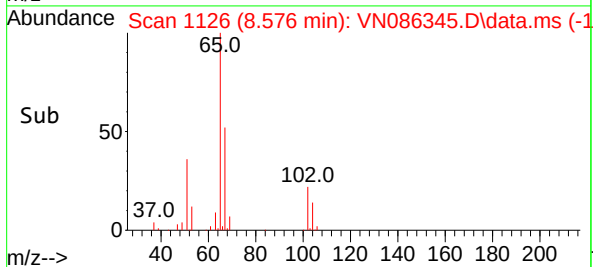
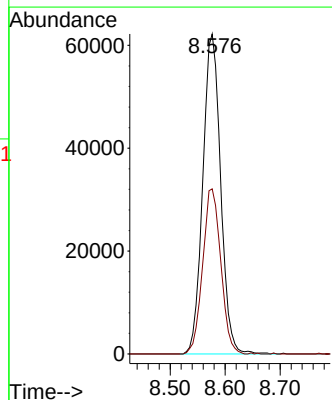
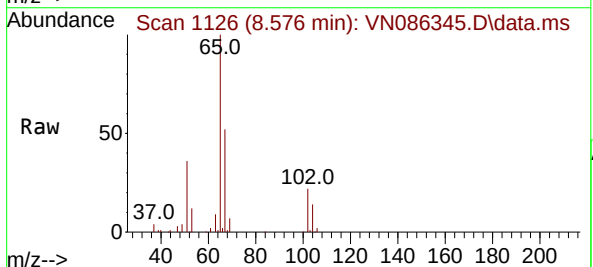
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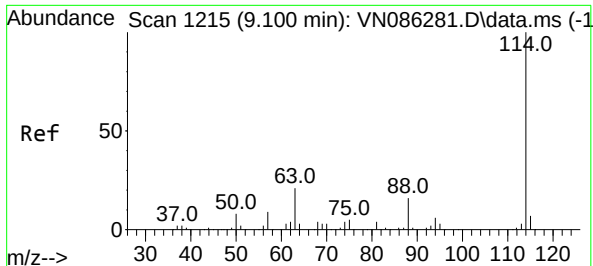
Tgt Ion: 56 Resp: 4946
Ion Ratio Lower Upper
56 100
69 176.0 24.2 36.2#
84 162.9 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 49.614 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086345.D
Acq: 18 Apr 2025 15:43

Tgt Ion: 65 Resp: 140325
Ion Ratio Lower Upper
65 100
67 52.4 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: VN086345.D

Acq: 18 Apr 2025 15:43

Instrument :

MSVOA_N

ClientSampleId :

PB167623ZHE#10

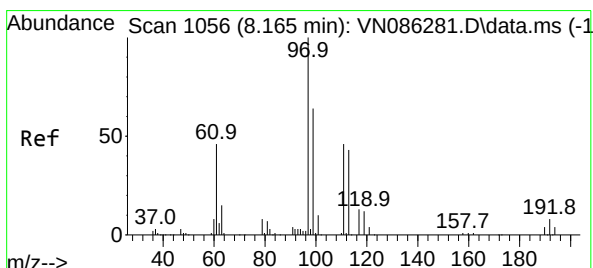
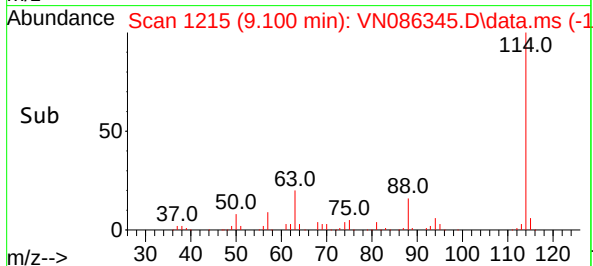
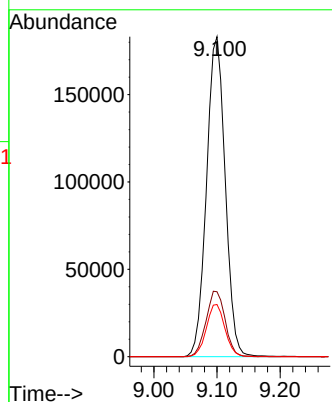
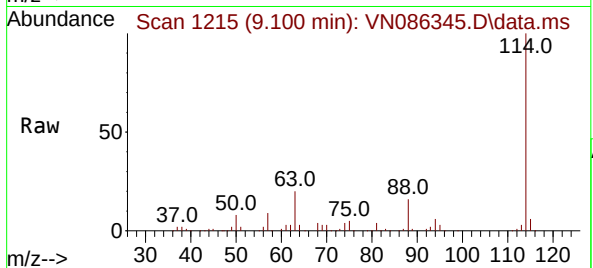
Tgt Ion:114 Resp: 376446

Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.6

88 16.3 0.0 31.8



#35

Dibromofluoromethane

Concen: 52.474 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN086345.D

Acq: 18 Apr 2025 15:43

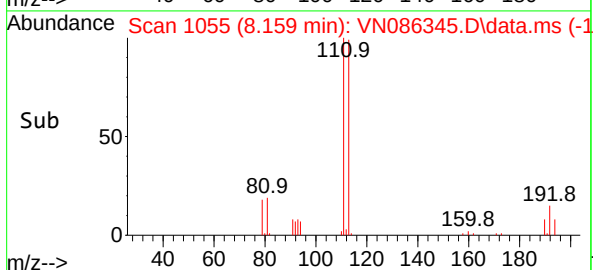
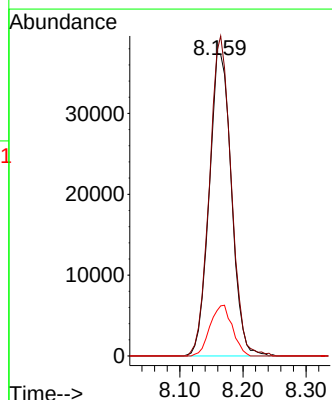
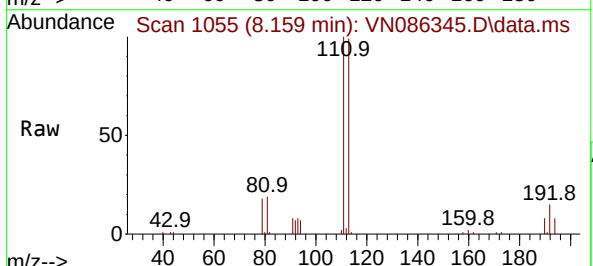
Tgt Ion:113 Resp: 91680

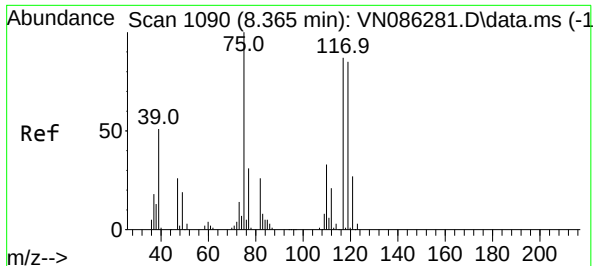
Ion Ratio Lower Upper

113 100

111 103.4 83.4 125.0

192 16.7 13.7 20.5

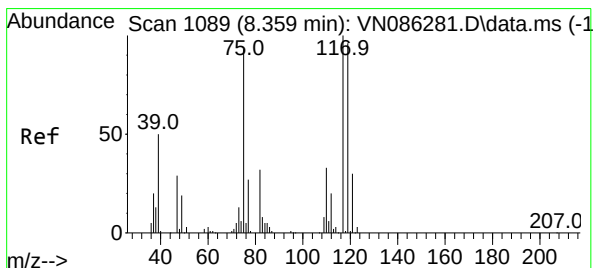
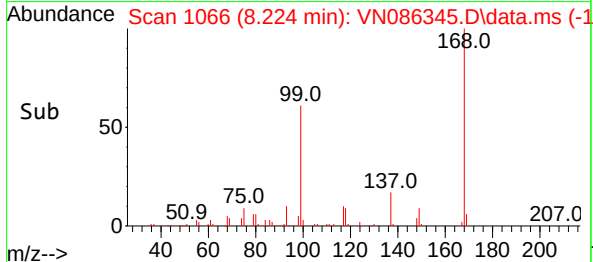
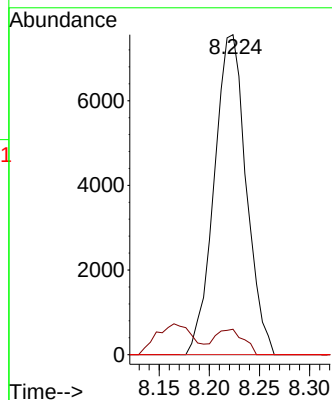
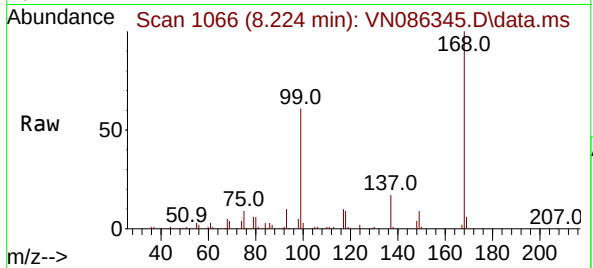




#36
 1,1-Dichloropropene
 Concen: 4.819 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.141 min
 Lab File: VN086345.D
 Acq: 18 Apr 2025 15:43

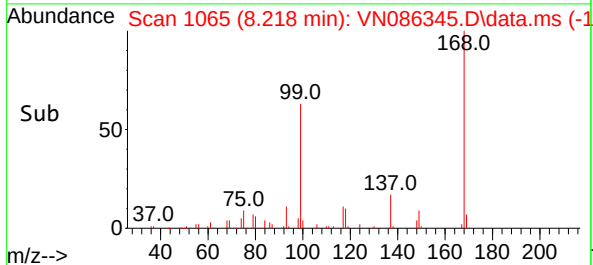
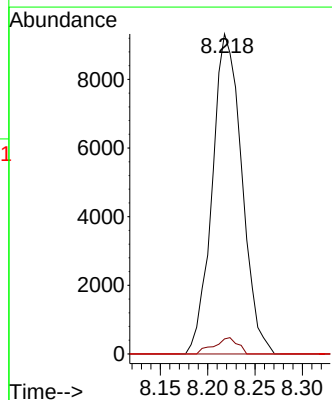
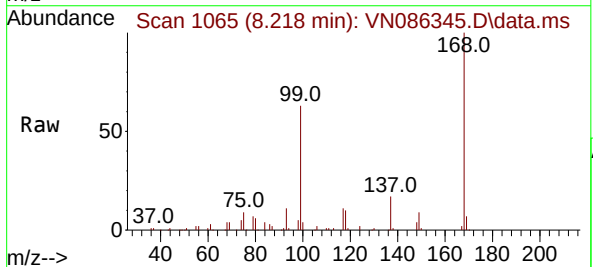
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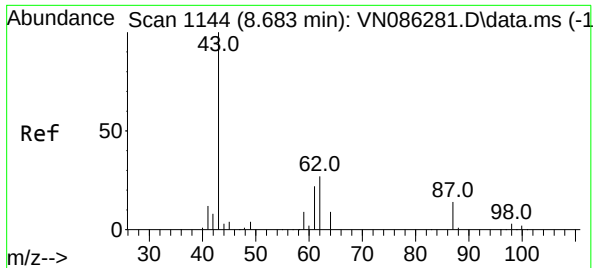
Tgt Ion: 75 Resp: 16818
 Ion Ratio Lower Upper
 75 100
 110 7.3 16.8 50.4#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.115 ug/l
 RT: 8.218 min Scan# 1065
 Delta R.T. -0.141 min
 Lab File: VN086345.D
 Acq: 18 Apr 2025 15:43

Tgt Ion: 117 Resp: 20323
 Ion Ratio Lower Upper
 117 100
 119 4.7 76.8 115.2#
 121 0.0 23.8 35.8#

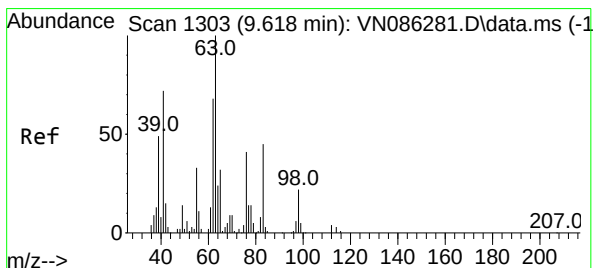
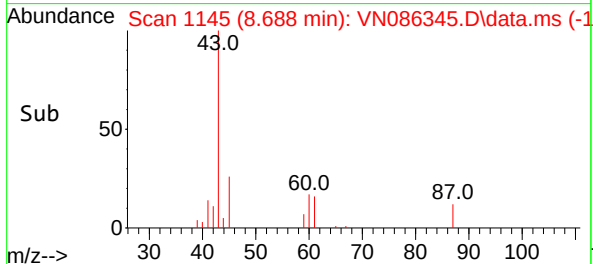
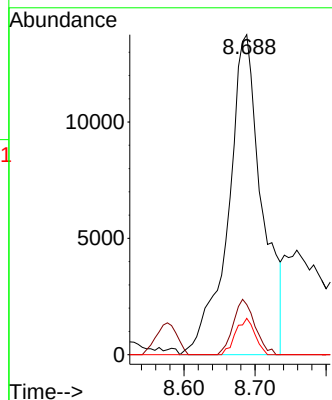
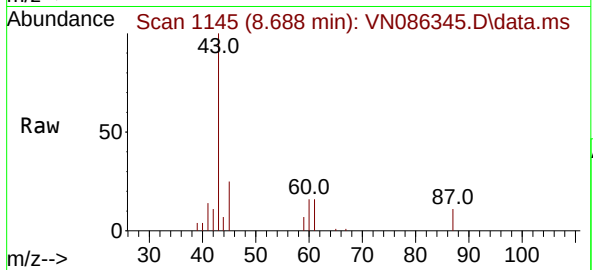




#43
Isopropyl Acetate
Concen: 5.114 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN086345.D
Acq: 18 Apr 2025 15:43

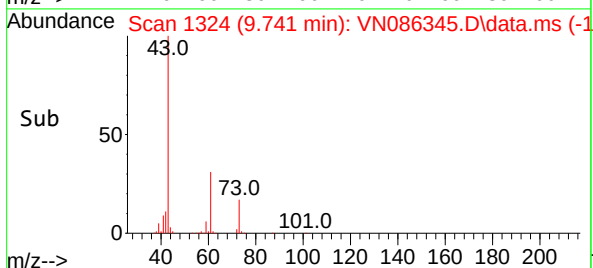
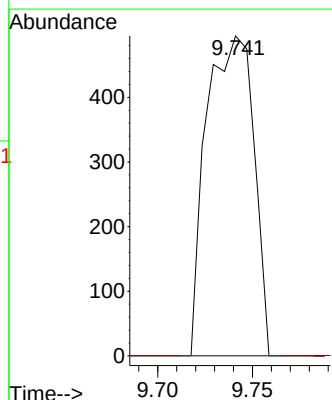
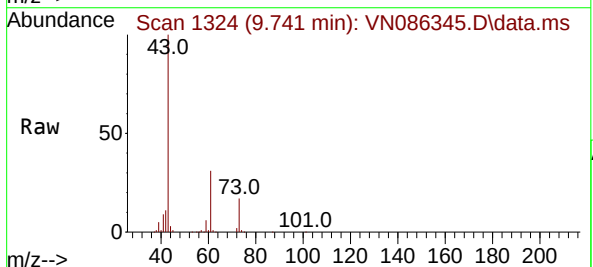
Instrument : MSVOA_N
ClientSampleId : PB167623ZHE#10

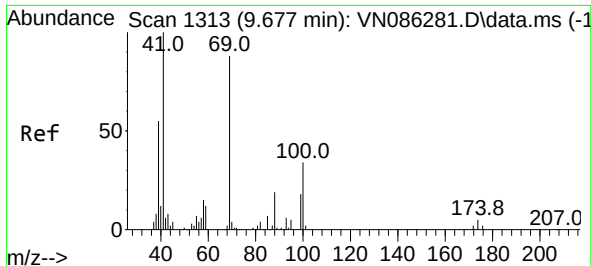
Tgt Ion: 43 Resp: 45409
Ion Ratio Lower Upper
43 100
61 11.1 20.5 30.7#
87 6.5 10.5 15.7#



#45
1,2-Dichloropropane
Concen: 0.314 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN086345.D
Acq: 18 Apr 2025 15:43

Tgt Ion: 63 Resp: 859
Ion Ratio Lower Upper
63 100
65 0.0 25.4 38.2#

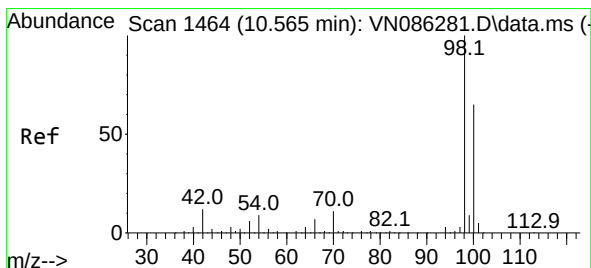
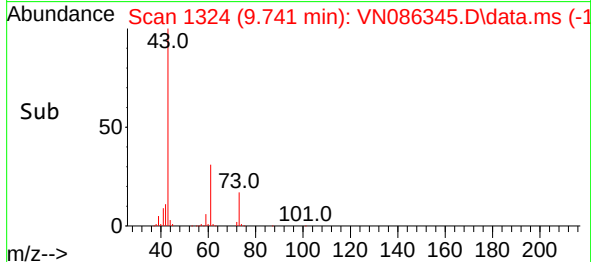
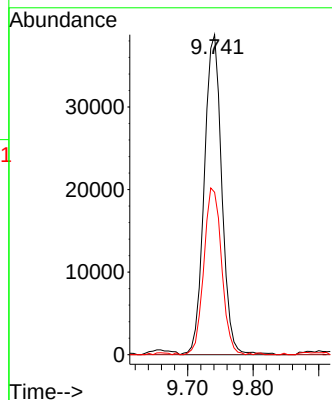
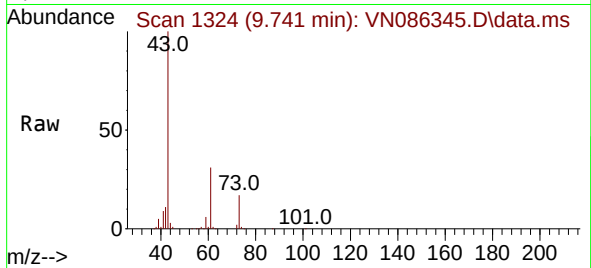




#48
Methyl methacrylate
Concen: 22.330 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN086345.D
Acq: 18 Apr 2025 15:43

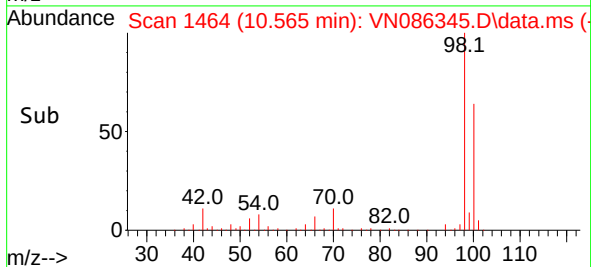
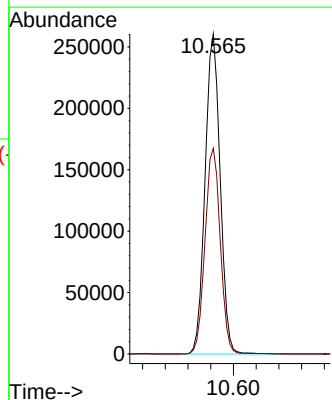
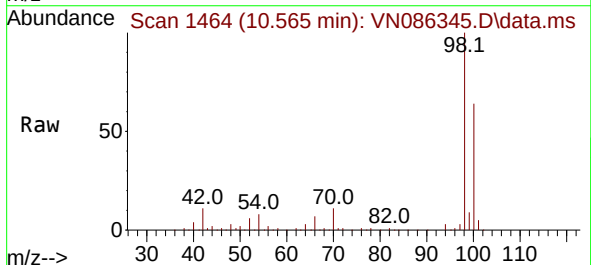
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#10

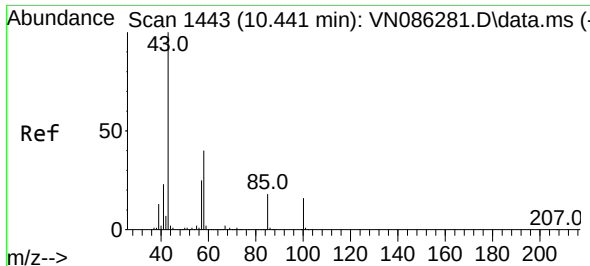
Tgt Ion: 41 Resp: 72044
Ion Ratio Lower Upper
41 100
69 0.0 68.2 102.2#
39 52.7 45.2 67.8



#50
Toluene-d8
Concen: 51.303 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086345.D
Acq: 18 Apr 2025 15:43

Tgt Ion: 98 Resp: 479043
Ion Ratio Lower Upper
98 100
100 65.1 52.5 78.7

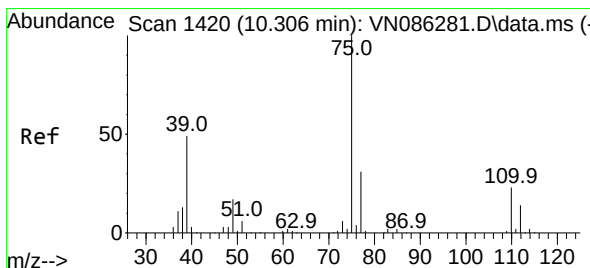
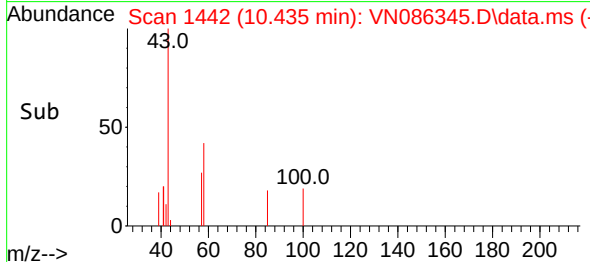
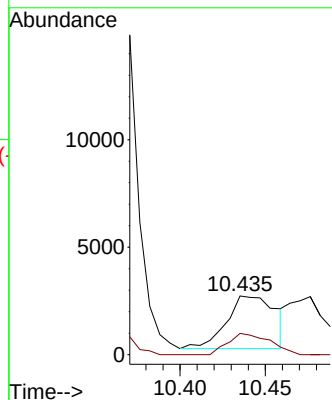
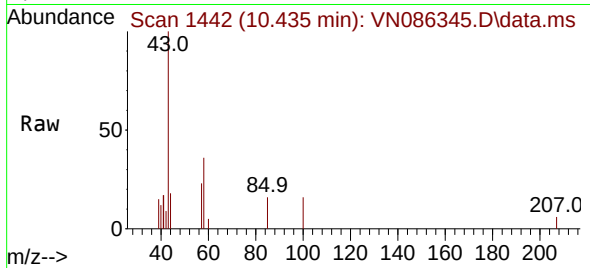




#51
4-Methyl-2-Pentanone
Concen: 1.303 ug/l
RT: 10.435 min Scan# 1442
Delta R.T. -0.006 min
Lab File: VN086345.D
Acq: 18 Apr 2025 15:43

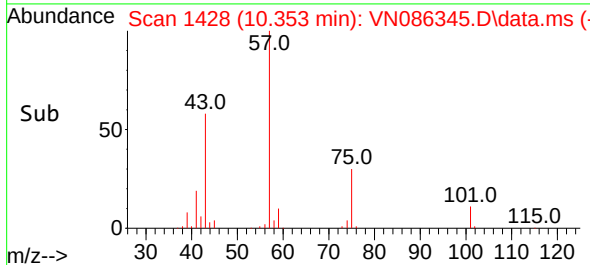
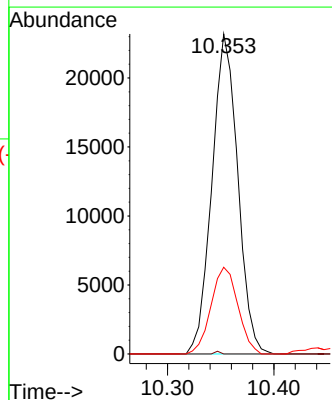
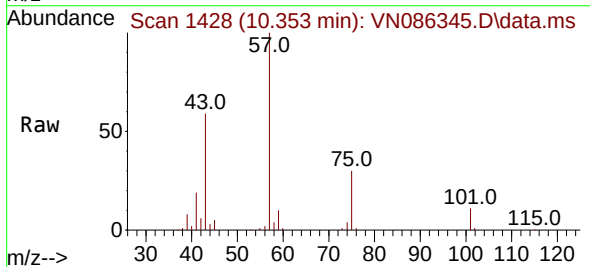
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#10

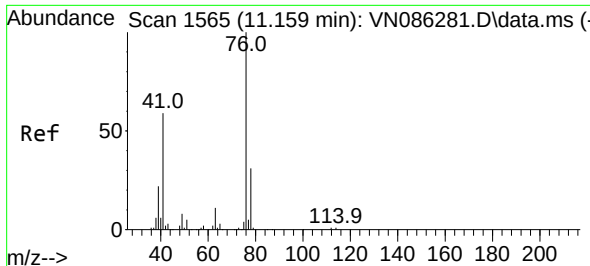
Tgt Ion: 43 Resp: 4901
Ion Ratio Lower Upper
43 100
58 34.9 32.2 48.4



#54
cis-1,3-Dichloropropene
Concen: 8.431 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN086345.D
Acq: 18 Apr 2025 15:43

Tgt Ion: 75 Resp: 38930
Ion Ratio Lower Upper
75 100
77 0.0 25.2 37.8#
39 27.1 39.3 58.9#





#57

1,3-Dichloropropane

Concen: 0.747 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN086345.D

Acq: 18 Apr 2025 15:43

Instrument :

MSVOA_N

ClientSampleId :

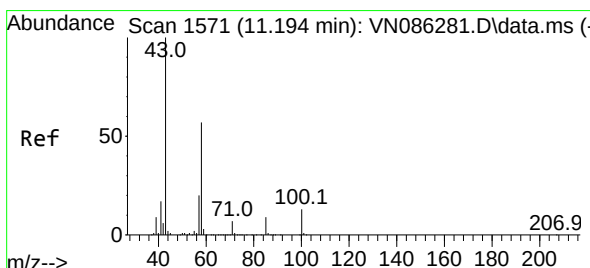
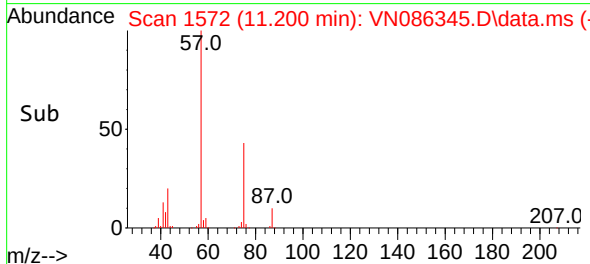
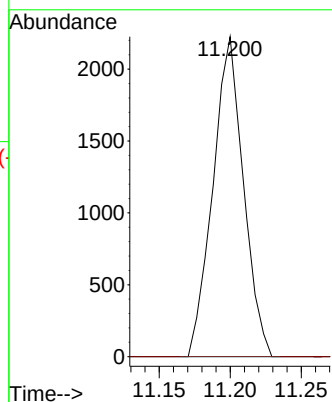
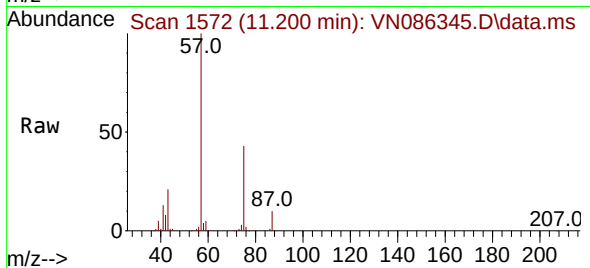
PB167623ZHE#10

Tgt Ion: 76 Resp: 3325

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 25.061 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN086345.D

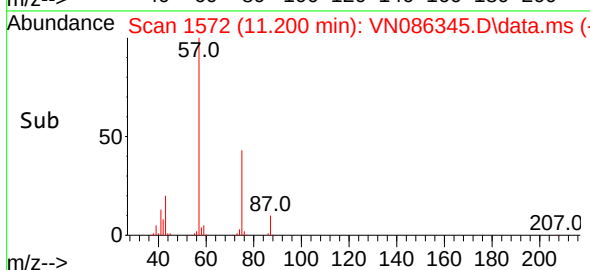
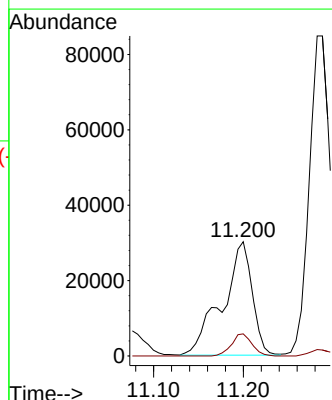
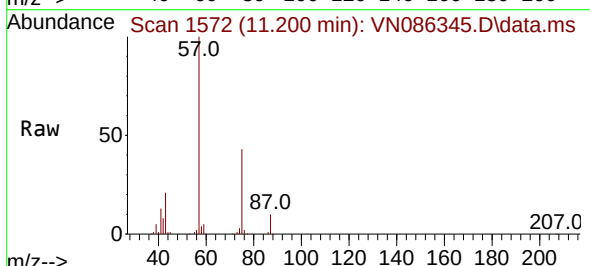
Acq: 18 Apr 2025 15:43

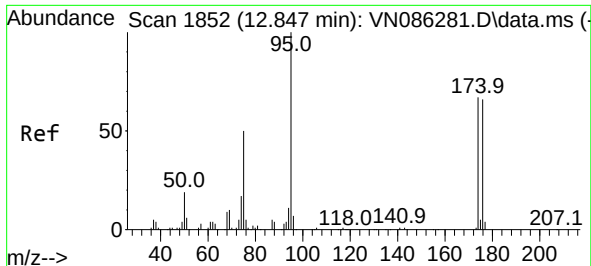
Tgt Ion: 43 Resp: 69930

Ion Ratio Lower Upper

43 100

58 13.3 28.3 85.0#

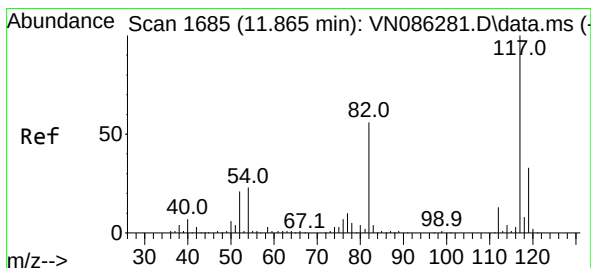
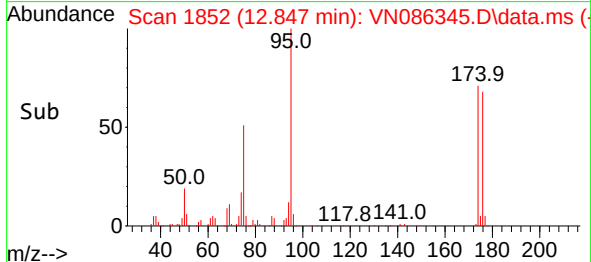
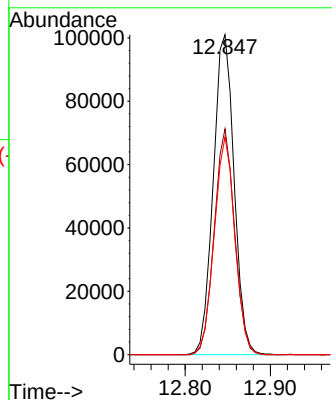
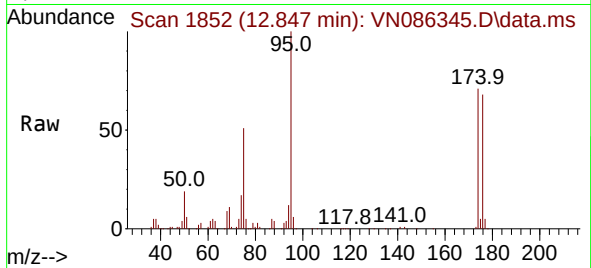




#62
4-Bromofluorobenzene
Concen: 50.387 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086345.D
Acq: 18 Apr 2025 15:43

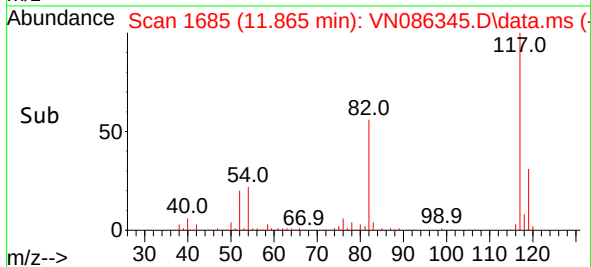
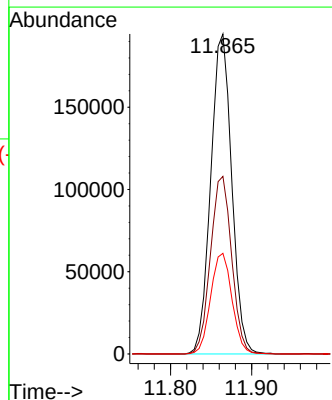
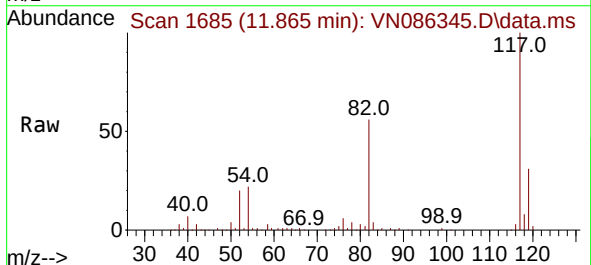
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#10

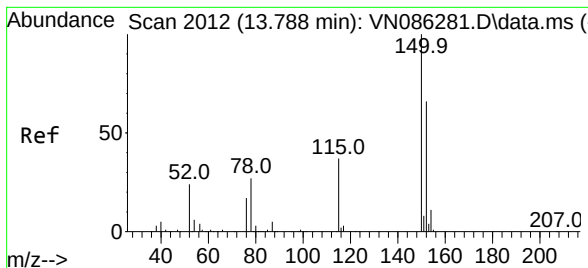
Tgt Ion: 95 Resp: 171606
Ion Ratio Lower Upper
95 100
174 69.0 0.0 133.4
176 67.0 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086345.D
Acq: 18 Apr 2025 15:43

Tgt Ion: 117 Resp: 348966
Ion Ratio Lower Upper
117 100
82 55.5 44.7 67.1
119 31.4 26.4 39.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN086345.D

Acq: 18 Apr 2025 15:43

Instrument :

MSVOA_N

ClientSampleId :

PB167623ZHE#10

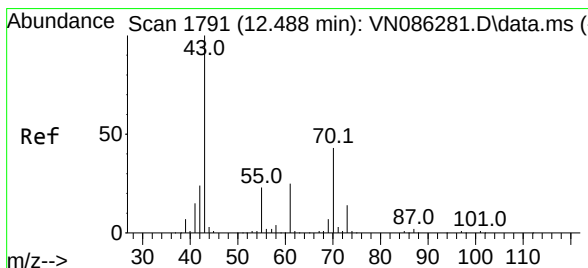
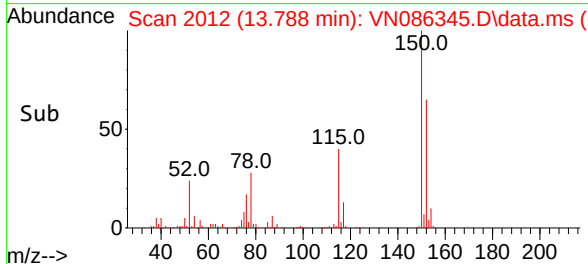
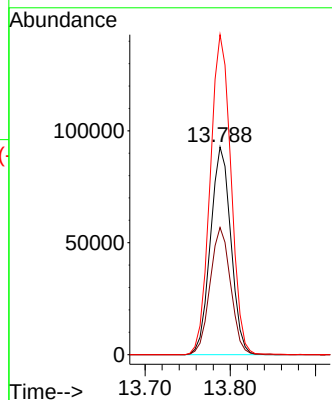
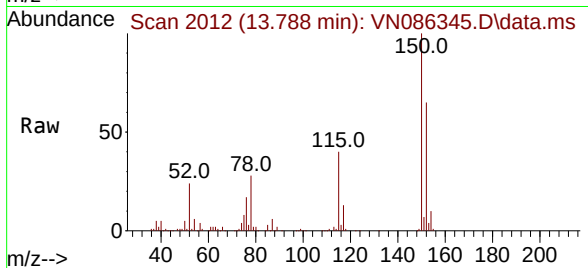
Tgt Ion:152 Resp: 154510

Ion Ratio Lower Upper

152 100

115 61.5 31.9 95.9

150 156.9 0.0 352.0



#74

N-ethyl acetate

Concen: 0.492 ug/l

RT: 12.453 min Scan# 1785

Delta R.T. -0.035 min

Lab File: VN086345.D

Acq: 18 Apr 2025 15:43

Tgt Ion: 43 Resp: 3095

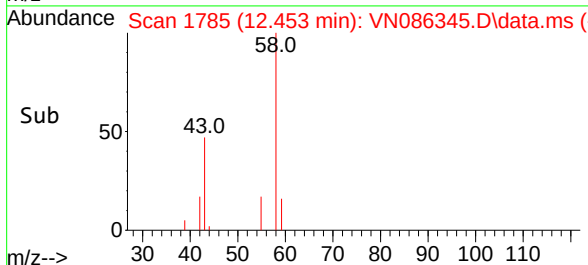
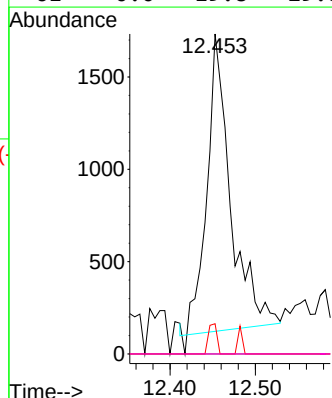
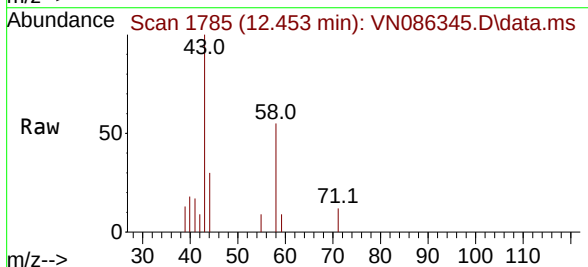
Ion Ratio Lower Upper

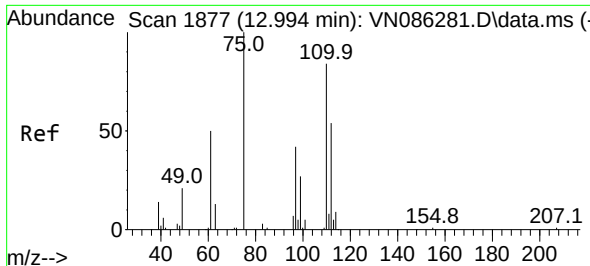
43 100

70 0.0 35.0 52.4#

55 3.7 19.0 28.4#

61 0.0 19.8 29.8#

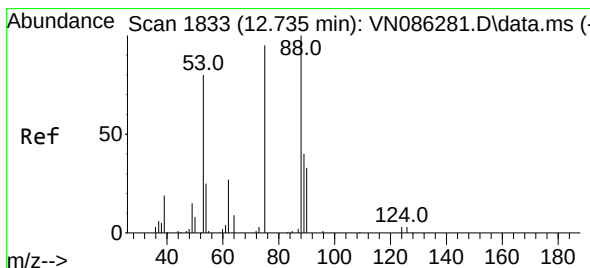
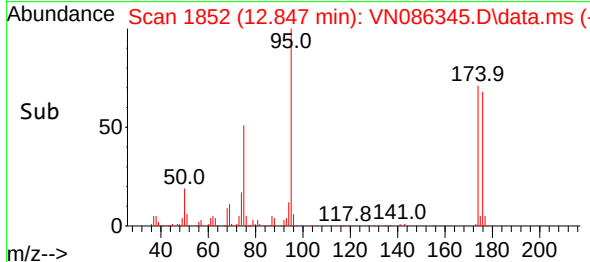
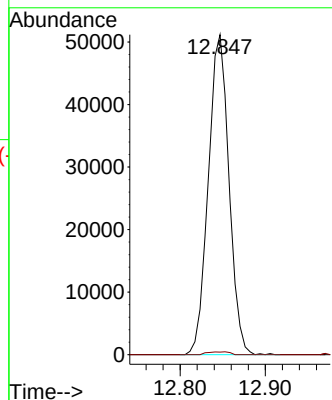
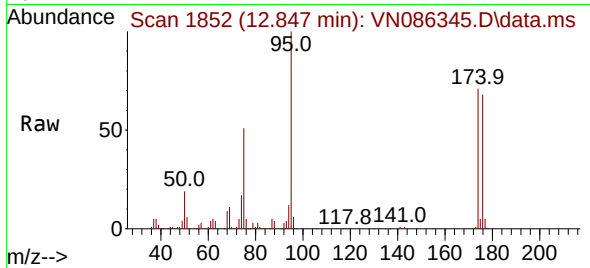




#76
1,2,3-Trichloropropane
Concen: 23.639 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086345.D
Acq: 18 Apr 2025 15:43

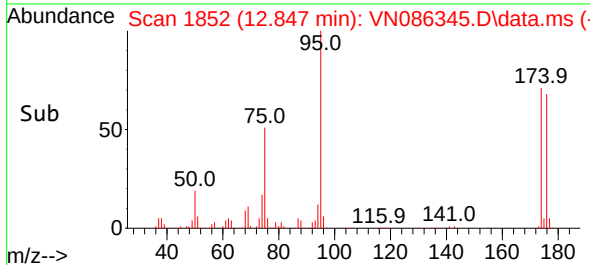
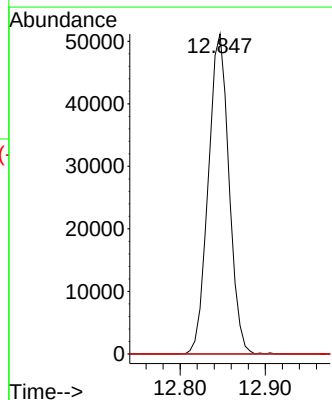
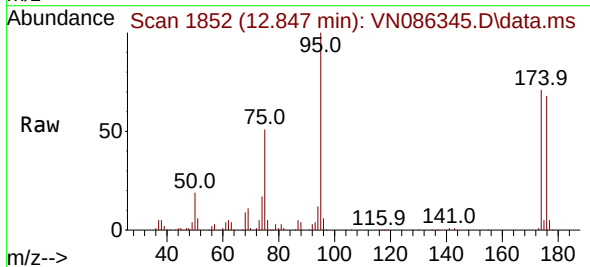
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#10

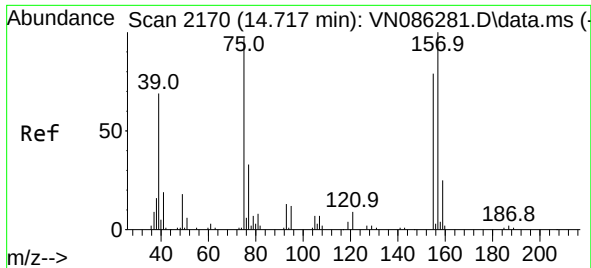
Tgt Ion: 75 Resp: 86192
Ion Ratio Lower Upper
75 100
77 0.9 98.8 296.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.772 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086345.D
Acq: 18 Apr 2025 15:43

Tgt Ion: 75 Resp: 86192
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: 0.764 ug/l

RT: 14.700 min Scan# 21

Delta R.T. -0.018 min

Lab File: VN086345.D

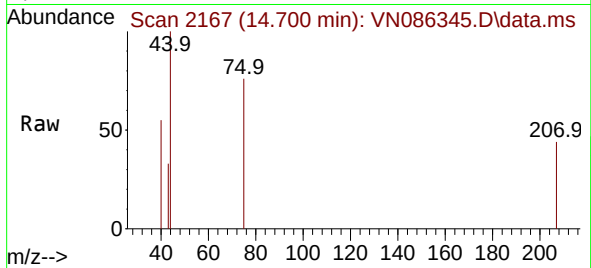
Acq: 18 Apr 2025 15:43

Instrument :

MSVOA_N

ClientSampleId :

PB167623ZHE#10



Tgt Ion: 75 Resp: 560

Ion Ratio Lower Upper

75 100

155 0.0 40.3 120.9#

157 0.0 49.0 147.2#

