

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042825\
 Data File : VN086417.D
 Acq On : 28 Apr 2025 17:34
 Operator : JC\MD
 Sample : PB167744ZHE#14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167744ZHE#14

Quant Time: Apr 29 01:57:05 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

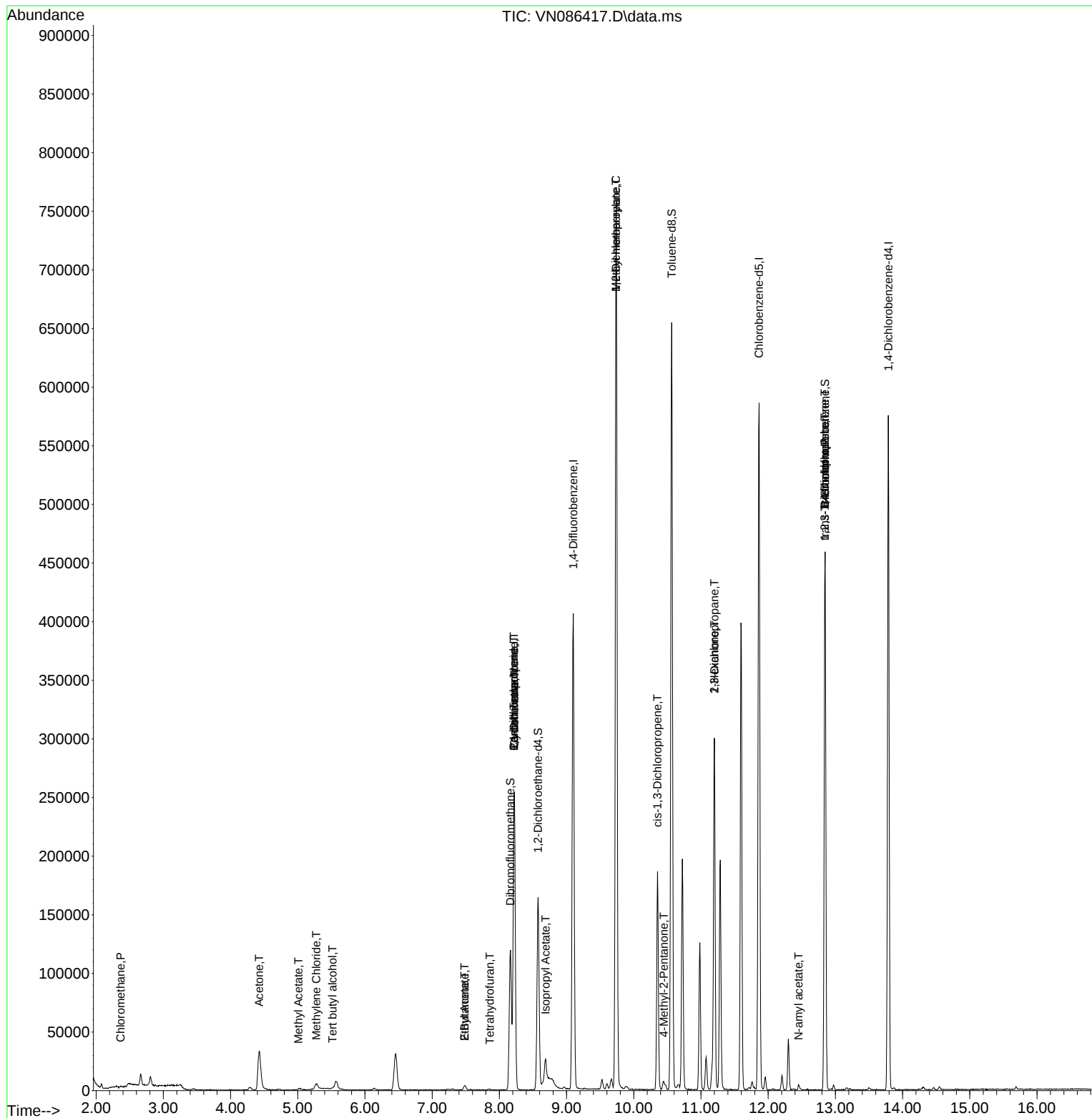
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	188288	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	357465	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	341058	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	152167	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	132811	48.643	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.280%
35) Dibromofluoromethane	8.165	113	88311	53.230	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.460%
50) Toluene-d8	10.565	98	456337	51.466	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.940%
62) 4-Bromofluorobenzene	12.847	95	167872	51.907	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	103.820%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	784	0.242	ug/l #	42
11) Tert butyl alcohol	5.518	59	1292	2.593	ug/l #	72
16) Acetone	4.424	43	66884	66.667	ug/l	99
18) Methyl Acetate	5.012	43	1787	0.545	ug/l #	51
20) Methylene Chloride	5.277	84	3540	1.402	ug/l	84
25) 2-Butanone	7.483	43	7183	4.227	ug/l	93
29) Tetrahydrofuran	7.859	42	770	0.678	ug/l #	43
31) Cyclohexane	8.224	56	4472	1.011	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	15912	4.802	ug/l #	50
37) Ethyl Acetate	7.483	43	7183	2.059	ug/l #	68
38) Carbon Tetrachloride	8.218	117	19755	6.260	ug/l #	15
43) Isopropyl Acetate	8.688	43	42114	4.950	ug/l #	75
45) 1,2-Dichloropropane	9.735	63	923	0.355	ug/l #	43
48) Methyl methacrylate	9.735	41	68777	22.450	ug/l #	43
51) 4-Methyl-2-Pentanone	10.447	43	5309	1.486	ug/l	92
54) cis-1,3-Dichloropropene	10.353	75	33825	7.714	ug/l #	61
57) 1,3-Dichloropropane	11.200	76	3130	0.740	ug/l #	43
59) 2-Hexanone	11.200	43	59578	22.485	ug/l #	43
71) Bromoform	12.847	173	932	0.493	ug/l #	1
74) N-amyl acetate	12.453	43	3660	0.591	ug/l #	42
76) 1,2,3-Trichloropropane	12.841	75	86449	24.074	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.841	75	86449	57.818	ug/l #	10

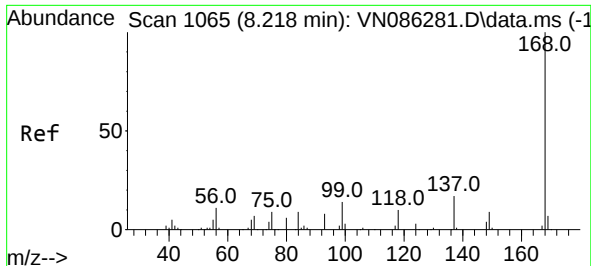
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : PB167744ZHE#14
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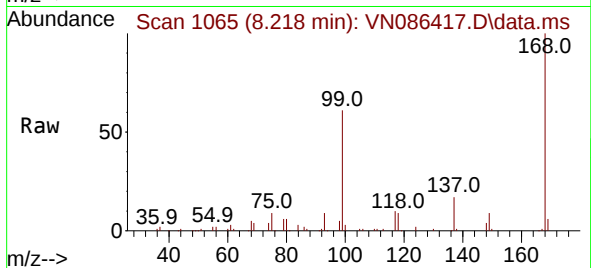
Quant Time: Apr 29 01:57:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
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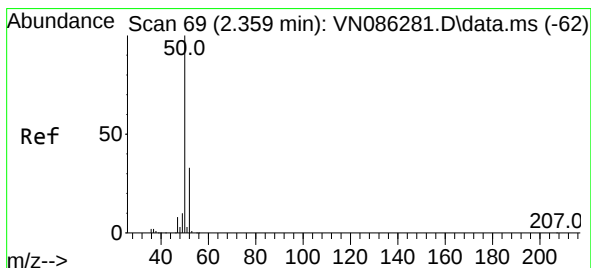
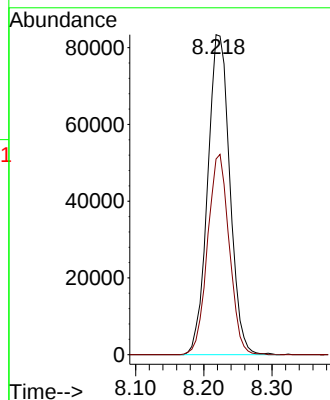
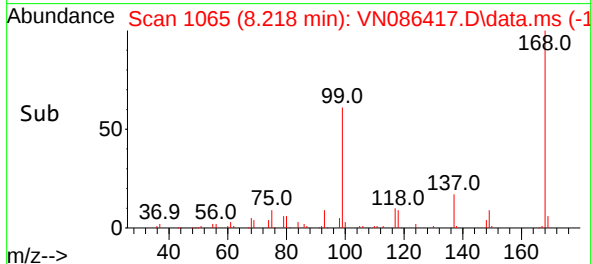


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN086417.D
Acq: 28 Apr 2025 17:34

Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#14

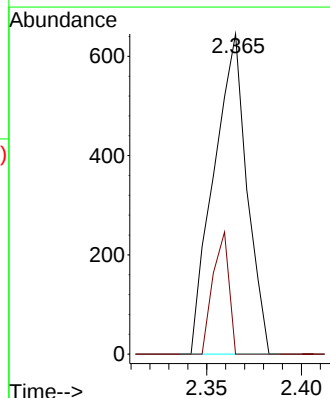
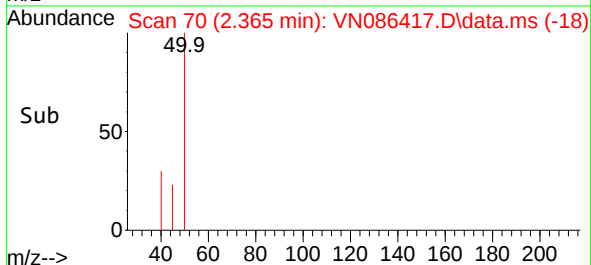
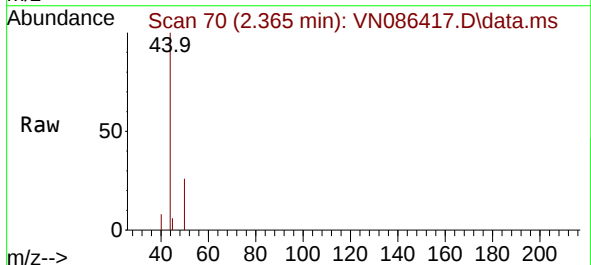


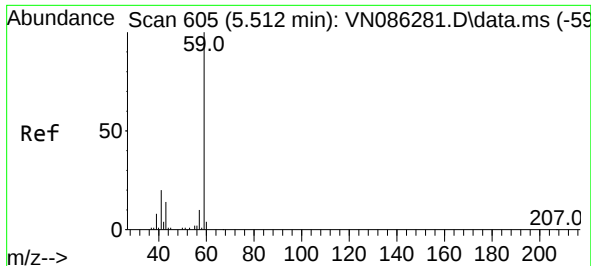
Tgt Ion:168 Resp: 188288
Ion Ratio Lower Upper
168 100
99 61.2 52.5 78.7



#3
Chloromethane
Concen: 0.242 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086417.D
Acq: 28 Apr 2025 17:34

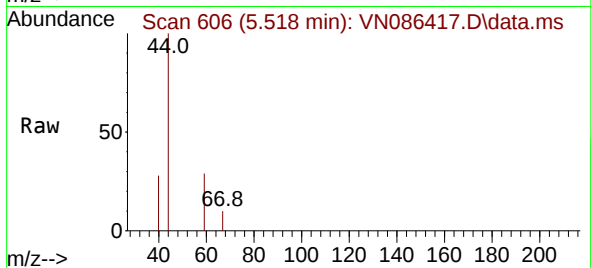
Tgt Ion: 50 Resp: 784
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#



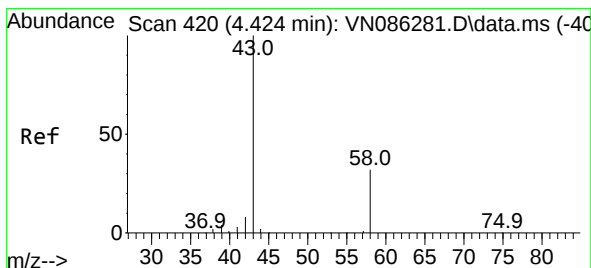
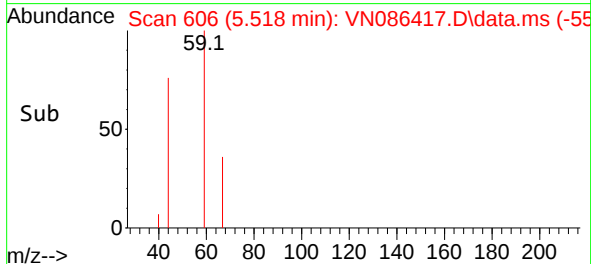
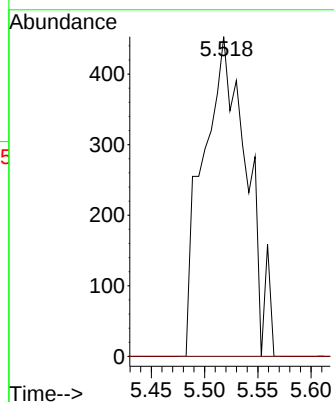


#11
Tert butyl alcohol
Concen: 2.593 ug/l
RT: 5.518 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN086417.D
Acq: 28 Apr 2025 17:34

Instrument :
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PB167744ZHE#14

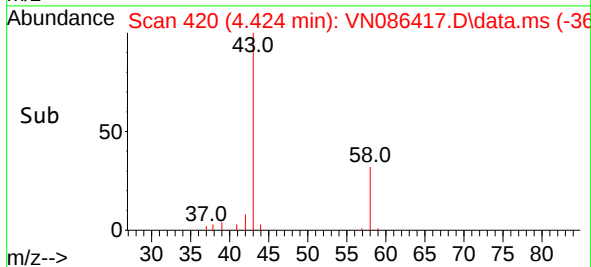
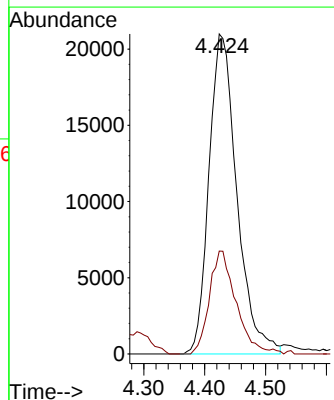
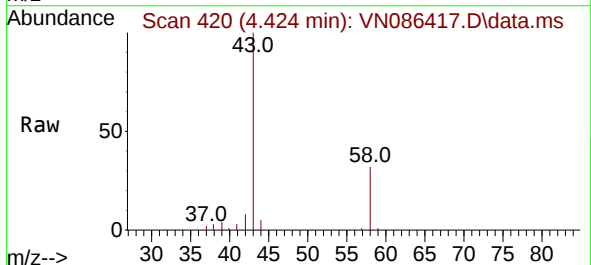


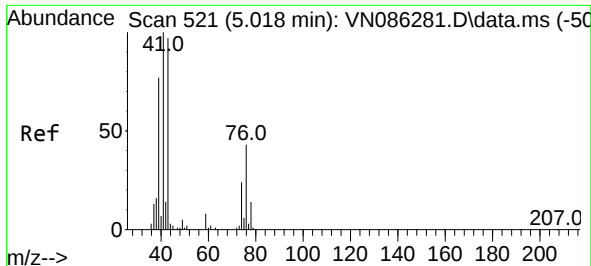
Tgt Ion: 59 Resp: 1292
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 66.667 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN086417.D
Acq: 28 Apr 2025 17:34

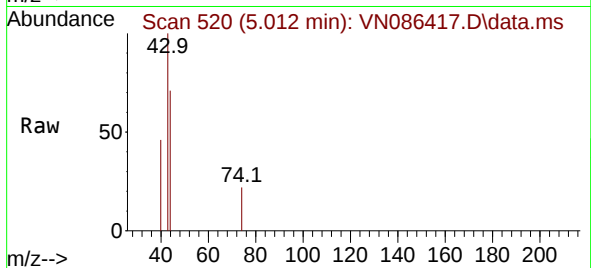
Tgt Ion: 43 Resp: 66884
Ion Ratio Lower Upper
43 100
58 32.1 25.3 37.9



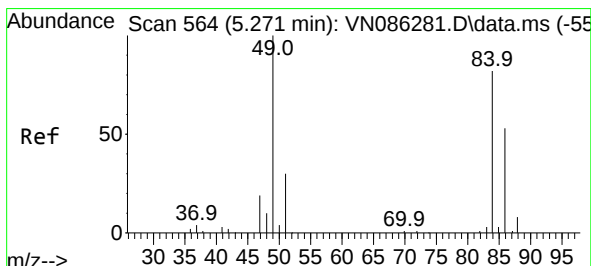
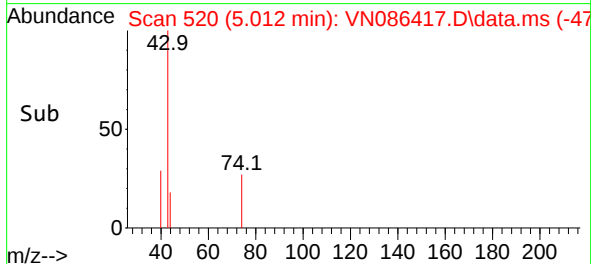
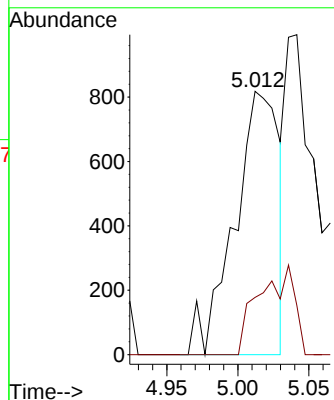


#18
Methyl Acetate
Concen: 0.545 ug/l
RT: 5.012 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN086417.D
Acq: 28 Apr 2025 17:34

Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#14

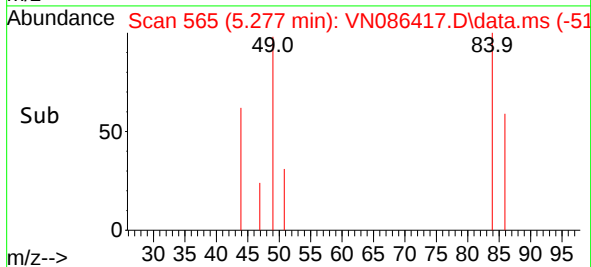
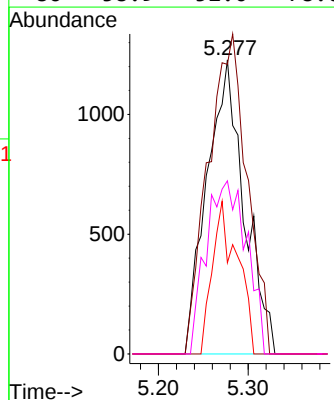
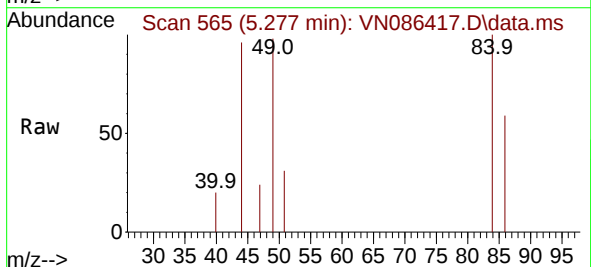


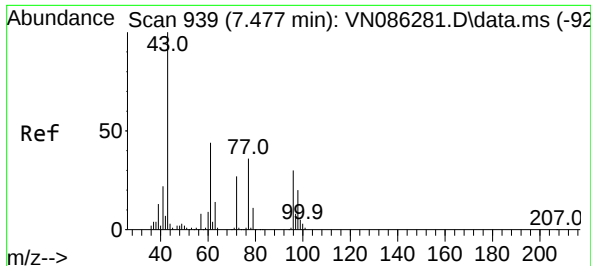
Tgt Ion: 43 Resp: 1787
Ion Ratio Lower Upper
43 100
74 0.0 19.8 29.6#



#20
Methylene Chloride
Concen: 1.402 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086417.D
Acq: 28 Apr 2025 17:34

Tgt Ion: 84 Resp: 3540
Ion Ratio Lower Upper
84 100
49 98.5 98.2 147.2
51 31.0 29.8 44.6
86 58.9 52.0 78.0

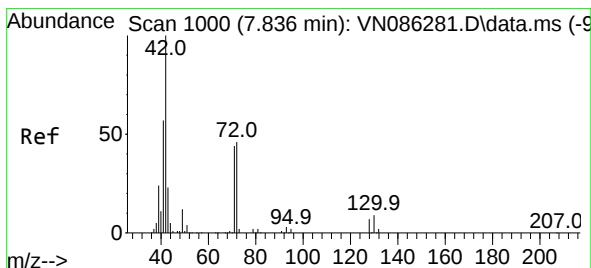
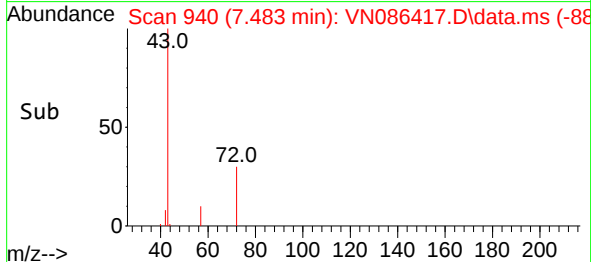
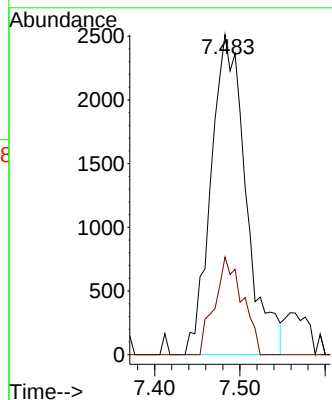
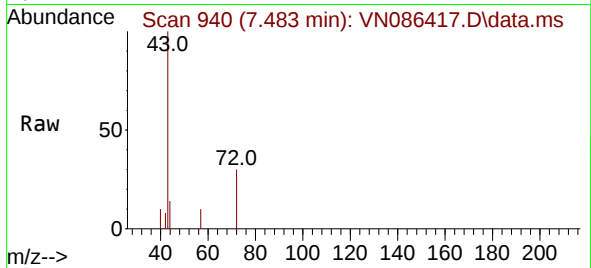




#25
2-Butanone
Concen: 4.227 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN086417.D
Acq: 28 Apr 2025 17:34

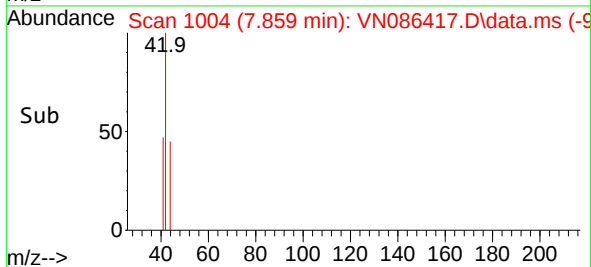
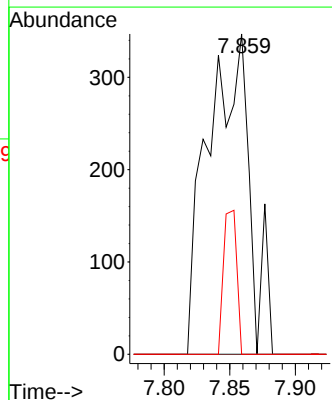
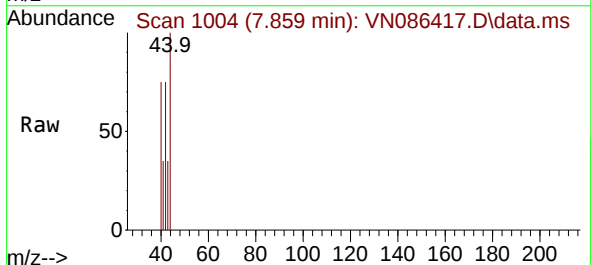
Instrument :
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ClientSampleId :
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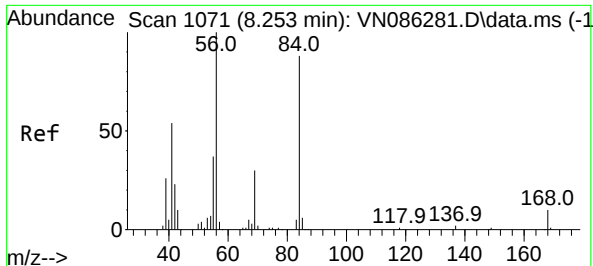
Tgt Ion: 43 Resp: 7183
Ion Ratio Lower Upper
43 100
72 30.5 21.7 32.5



#29
Tetrahydrofuran
Concen: 0.678 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.023 min
Lab File: VN086417.D
Acq: 28 Apr 2025 17:34

Tgt Ion: 42 Resp: 770
Ion Ratio Lower Upper
42 100
72 0.0 36.2 54.4#
71 14.2 34.0 51.0#

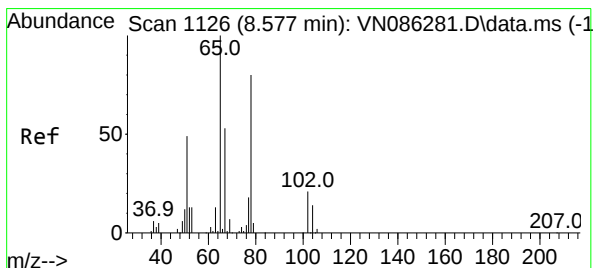
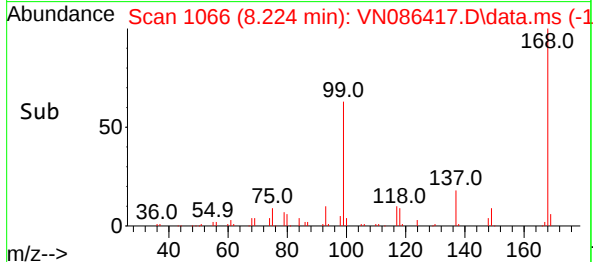
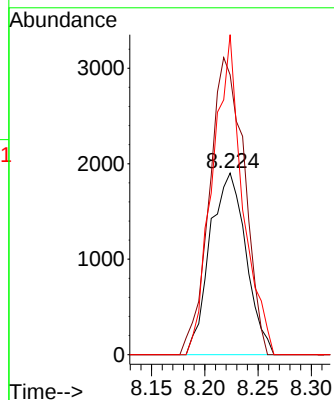
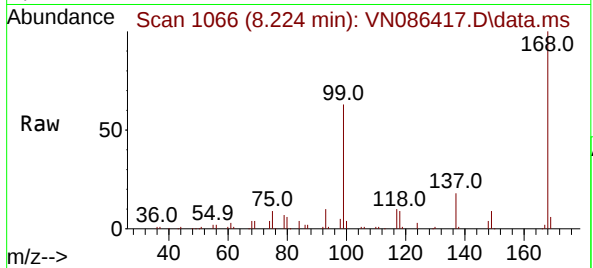




#31
Cyclohexane
Concen: 1.011 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN086417.D
Acq: 28 Apr 2025 17:34

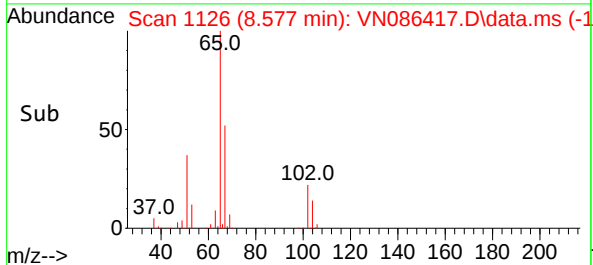
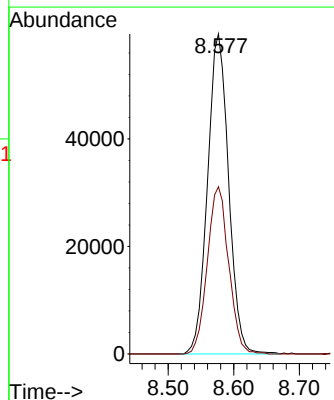
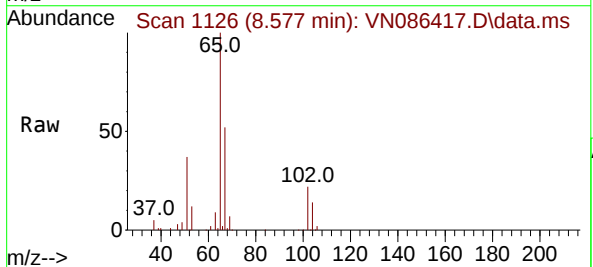
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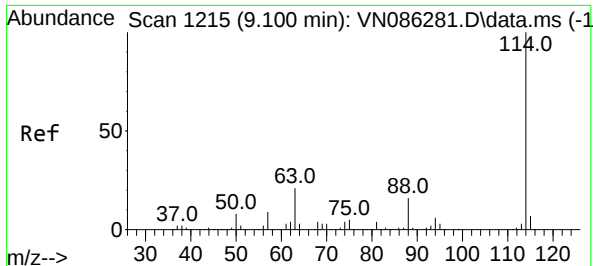
Tgt Ion: 56 Resp: 4472
Ion Ratio Lower Upper
56 100
69 154.1 24.2 36.2#
84 176.2 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 48.643 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086417.D
Acq: 28 Apr 2025 17:34

Tgt Ion: 65 Resp: 132811
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.0

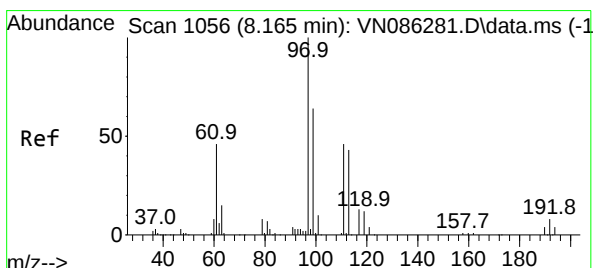
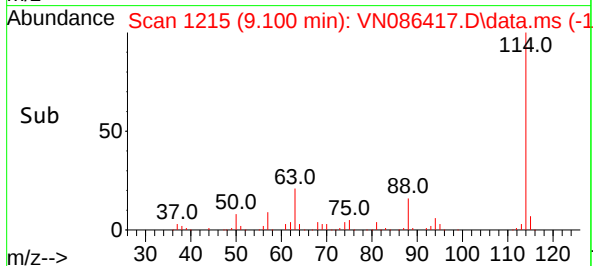
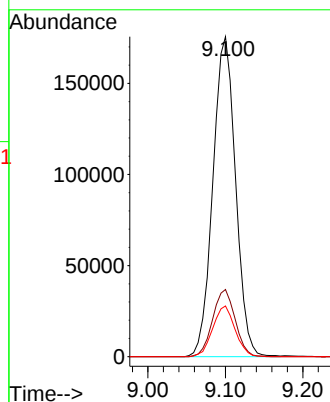
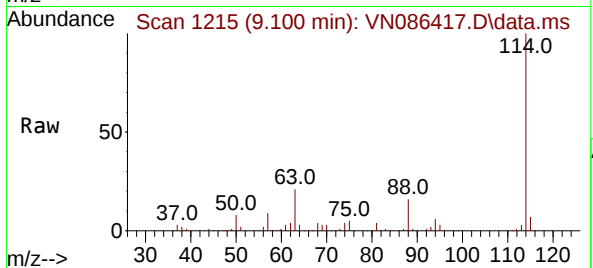




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086417.D
Acq: 28 Apr 2025 17:34

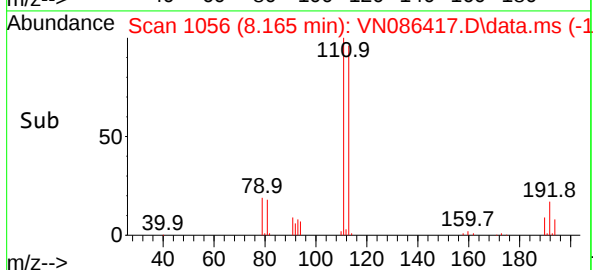
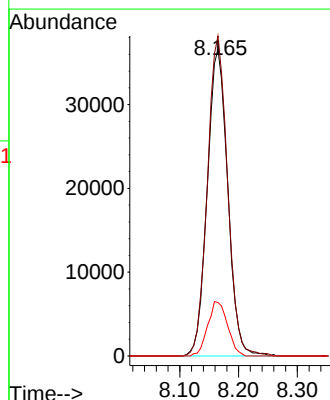
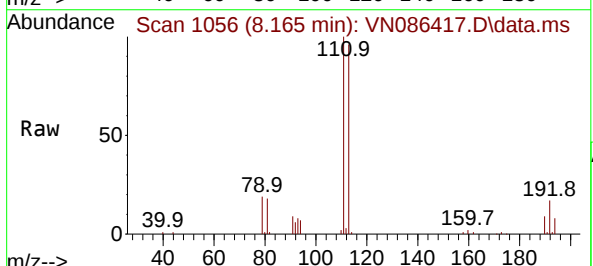
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PB167744ZHE#14

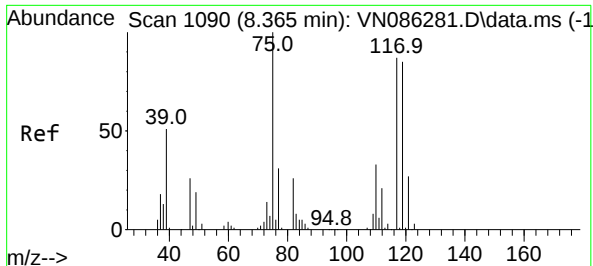
Tgt Ion:114 Resp: 357465
Ion Ratio Lower Upper
114 100
63 21.0 0.0 42.6
88 15.8 0.0 31.8



#35
Dibromofluoromethane
Concen: 53.230 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086417.D
Acq: 28 Apr 2025 17:34

Tgt Ion:113 Resp: 88311
Ion Ratio Lower Upper
113 100
111 102.9 83.4 125.0
192 17.2 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.802 ug/l

RT: 8.218 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN086417.D

Acq: 28 Apr 2025 17:34

Instrument :

MSVOA_N

ClientSampleId :

PB167744ZHE#14

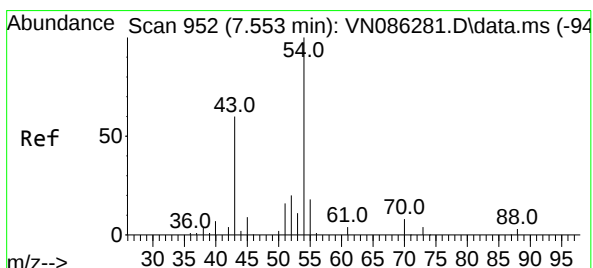
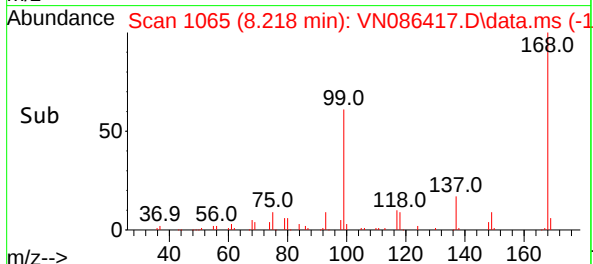
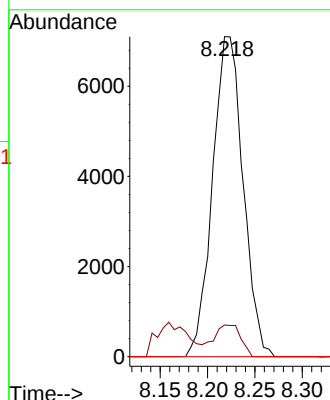
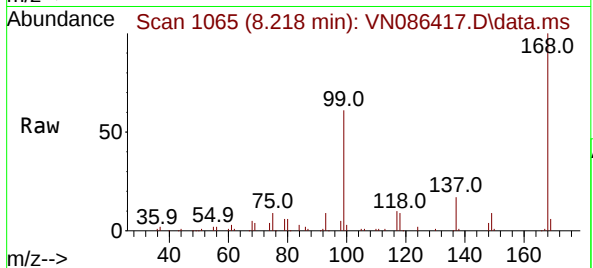
Tgt Ion: 75 Resp: 15912

Ion Ratio Lower Upper

75 100

110 8.8 16.8 50.4#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 2.059 ug/l

RT: 7.483 min Scan# 940

Delta R.T. -0.071 min

Lab File: VN086417.D

Acq: 28 Apr 2025 17:34

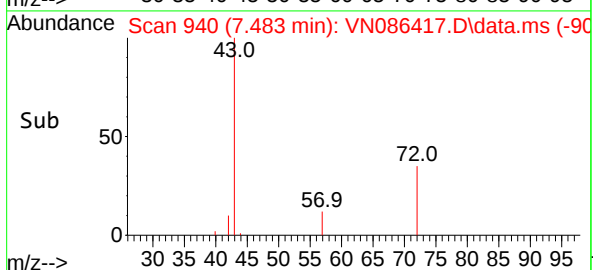
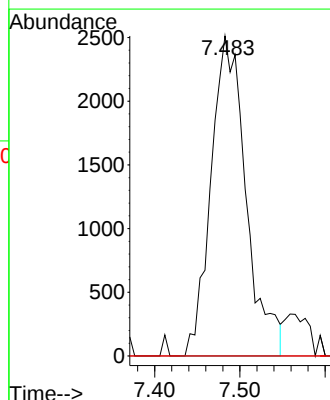
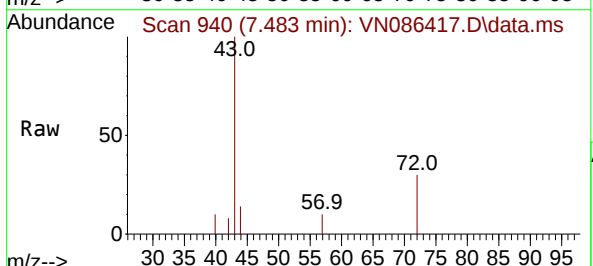
Tgt Ion: 43 Resp: 7183

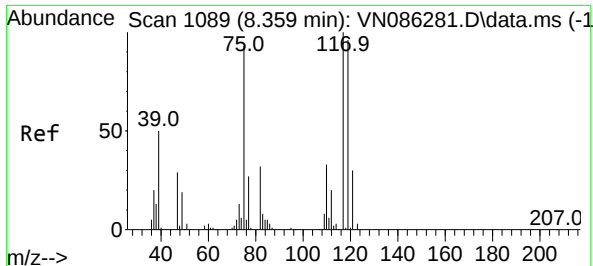
Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

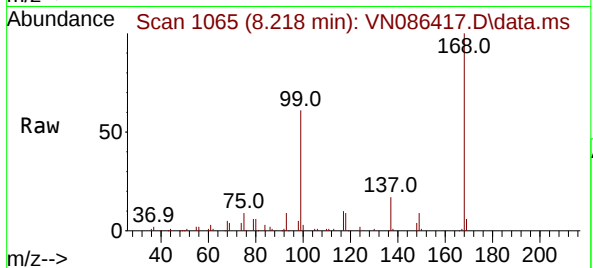
70 0.0 9.2 13.8#



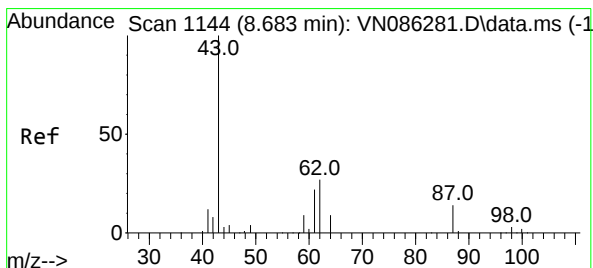
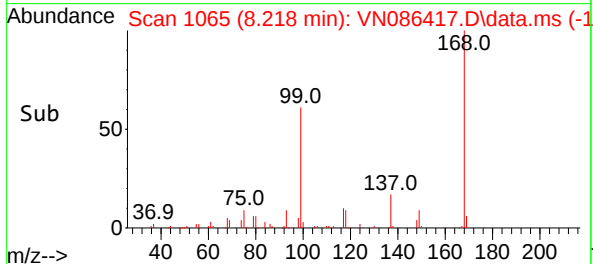
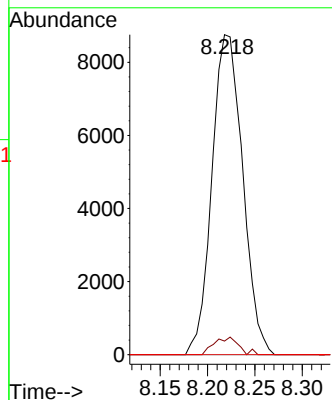


#38
Carbon Tetrachloride
Concen: 6.260 ug/l
RT: 8.218 min Scan# 1105
Delta R.T. -0.141 min
Lab File: VN086417.D
Acq: 28 Apr 2025 17:34

Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#14

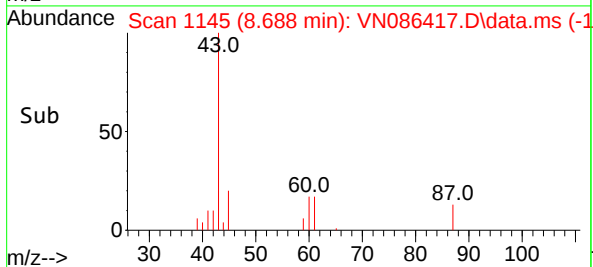
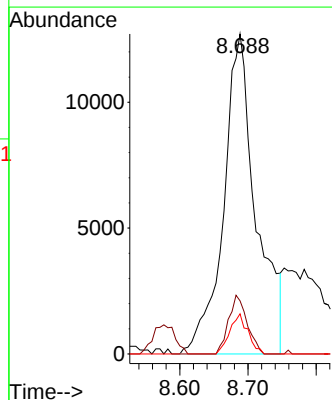
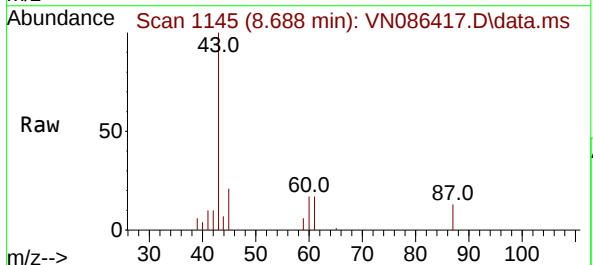


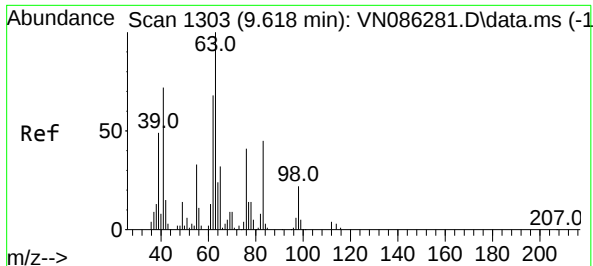
Tgt Ion:117 Resp: 19755
Ion Ratio Lower Upper
117 100
119 4.3 76.8 115.2#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: 4.950 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN086417.D
Acq: 28 Apr 2025 17:34

Tgt Ion: 43 Resp: 42114
Ion Ratio Lower Upper
43 100
61 10.5 20.5 30.7#
87 7.0 10.5 15.7#





#45

1,2-Dichloropropane

Concen: 0.355 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.118 min

Lab File: VN086417.D

Acq: 28 Apr 2025 17:34

Instrument :

MSVOA_N

ClientSampleId :

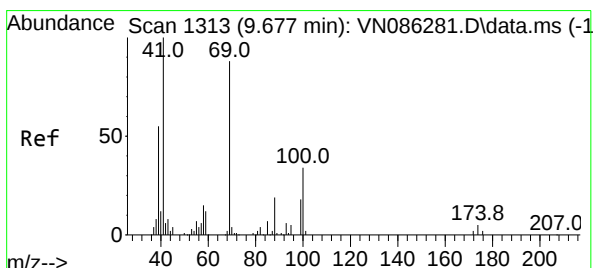
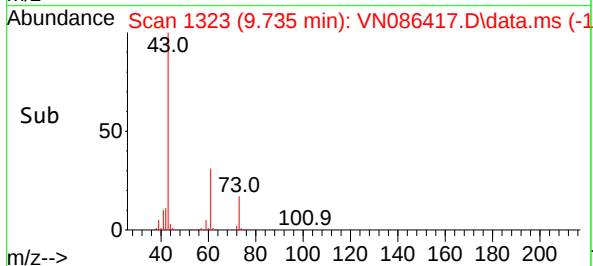
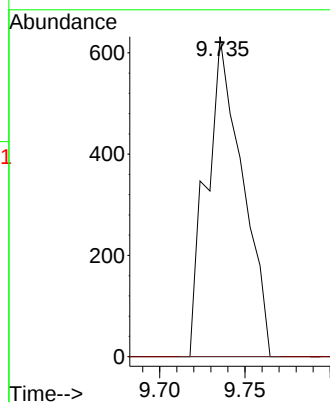
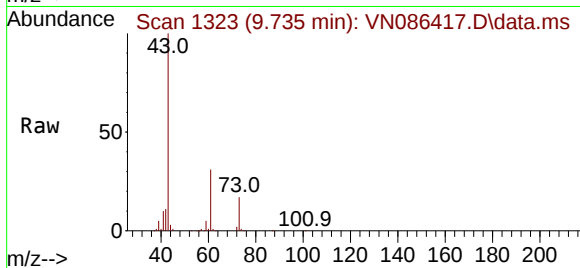
PB167744ZHE#14

Tgt Ion: 63 Resp: 923

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.2#



#48

Methyl methacrylate

Concen: 22.450 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.059 min

Lab File: VN086417.D

Acq: 28 Apr 2025 17:34

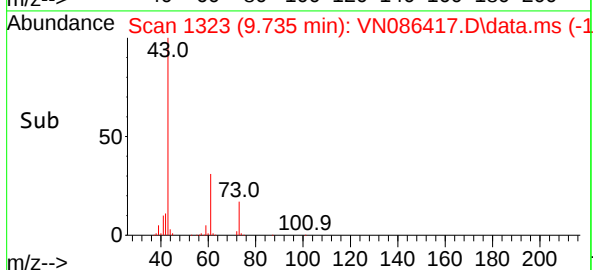
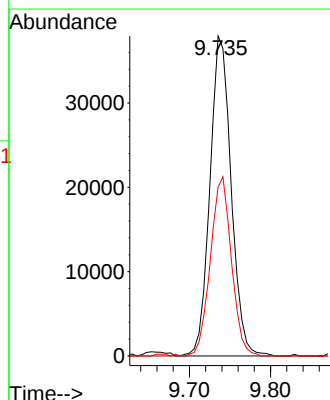
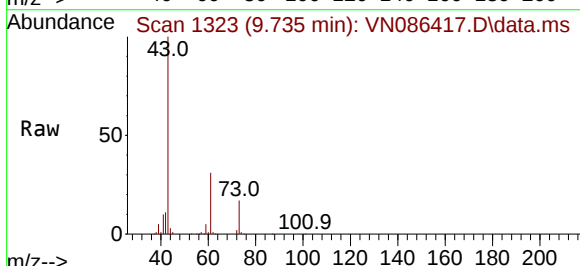
Tgt Ion: 41 Resp: 68777

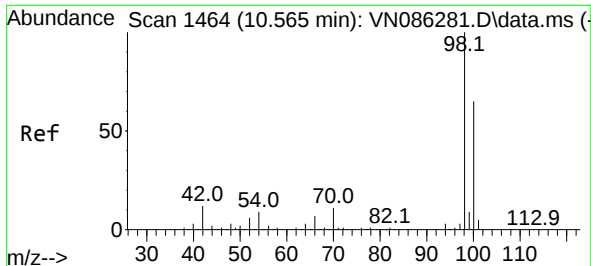
Ion Ratio Lower Upper

41 100

69 0.0 68.2 102.2#

39 55.5 45.2 67.8

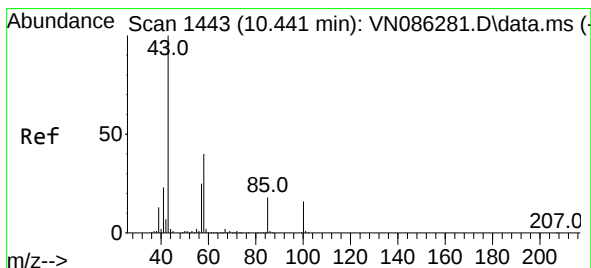
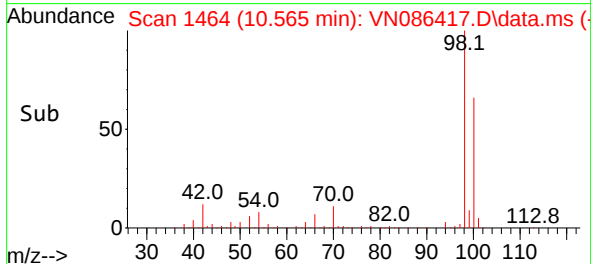
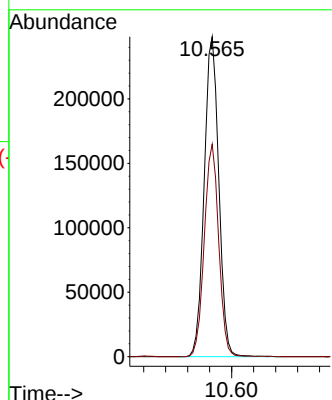
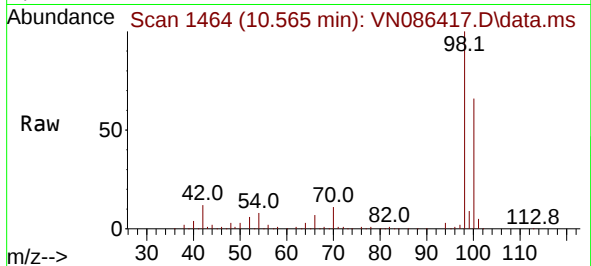




#50
Toluene-d8
Concen: 51.466 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086417.D
Acq: 28 Apr 2025 17:34

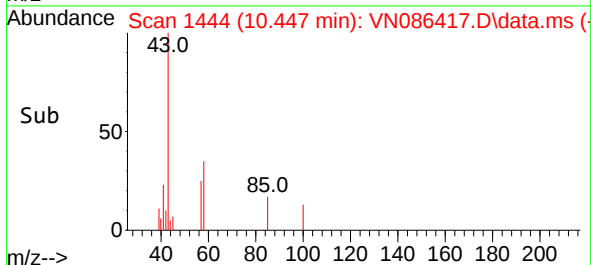
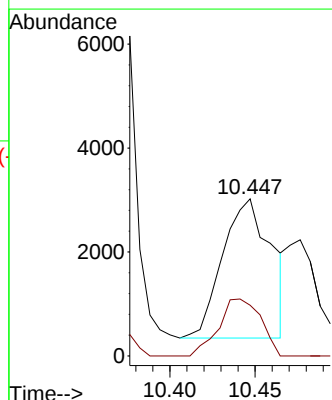
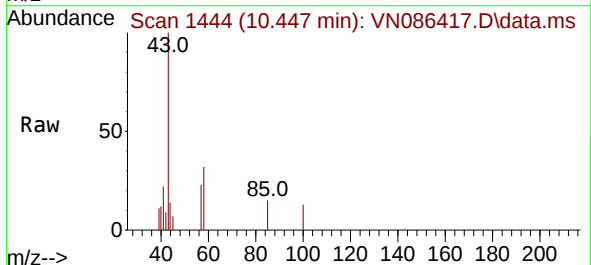
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#14

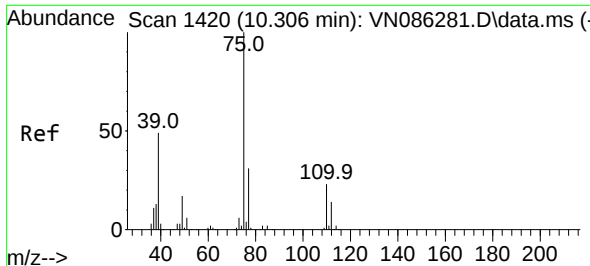
Tgt Ion: 98 Resp: 456337
Ion Ratio Lower Upper
98 100
100 65.8 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.486 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN086417.D
Acq: 28 Apr 2025 17:34

Tgt Ion: 43 Resp: 5309
Ion Ratio Lower Upper
43 100
58 35.6 32.2 48.4

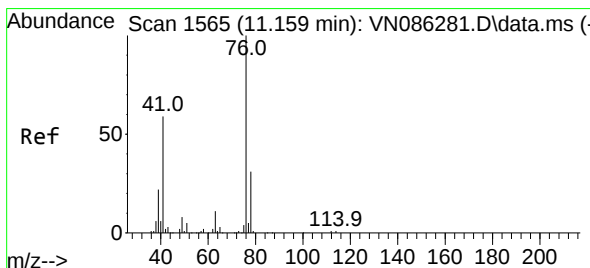
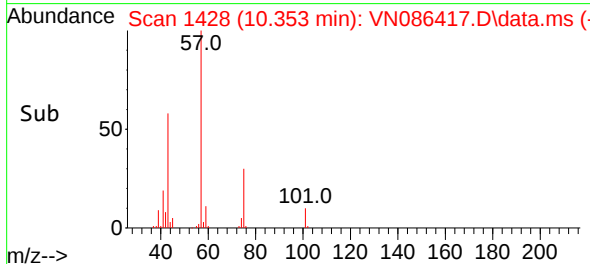
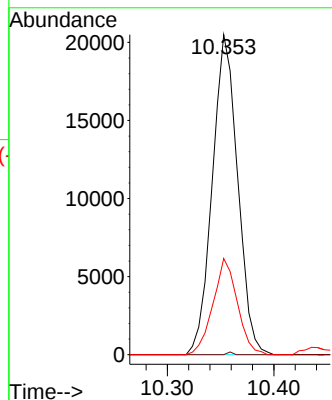
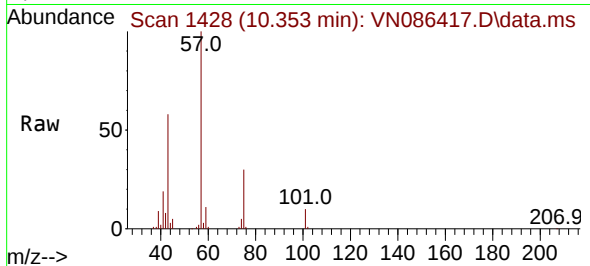




#54
 cis-1,3-Dichloropropene
 Concen: 7.714 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN086417.D
 Acq: 28 Apr 2025 17:34

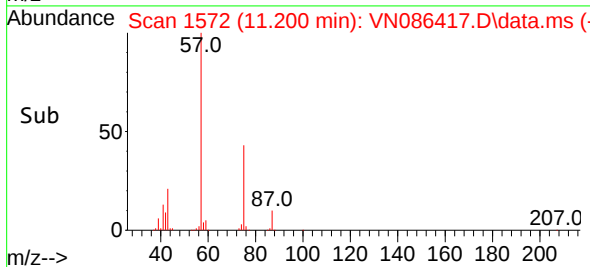
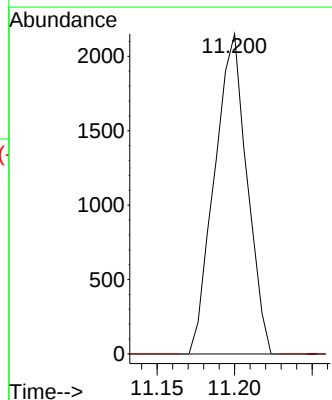
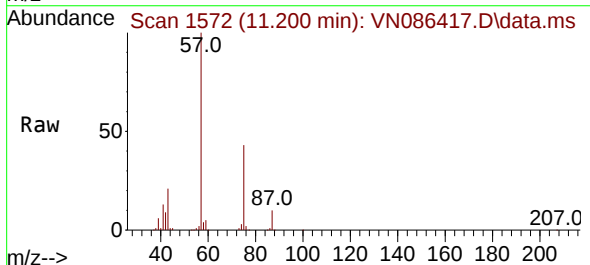
Instrument :
 MSVOA_N
 ClientSampleId :
 PB167744ZHE#14

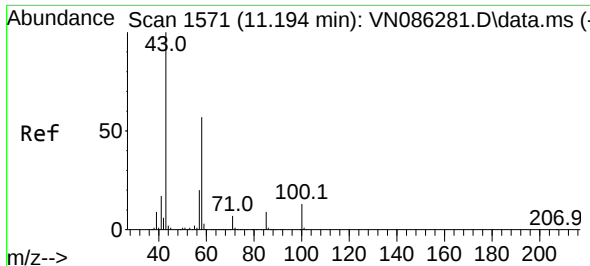
Tgt Ion: 75 Resp: 33825
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.2 37.8#
 39 30.1 39.3 58.9#



#57
 1,3-Dichloropropane
 Concen: 0.740 ug/l
 RT: 11.200 min Scan# 1572
 Delta R.T. 0.041 min
 Lab File: VN086417.D
 Acq: 28 Apr 2025 17:34

Tgt Ion: 76 Resp: 3130
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#

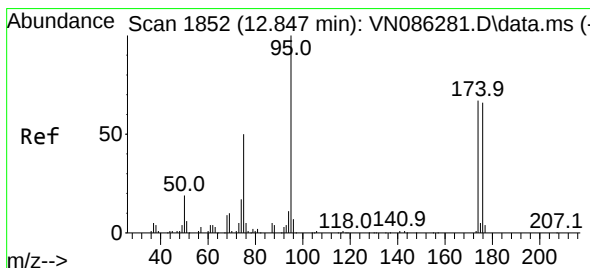
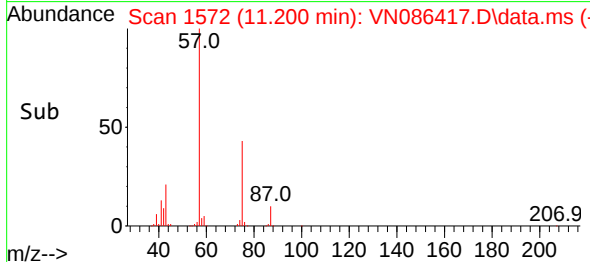
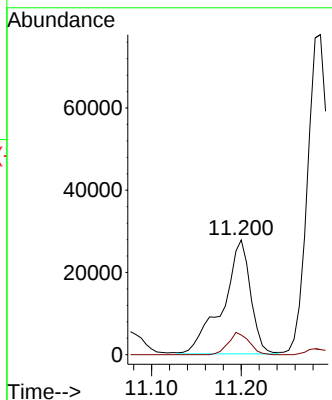
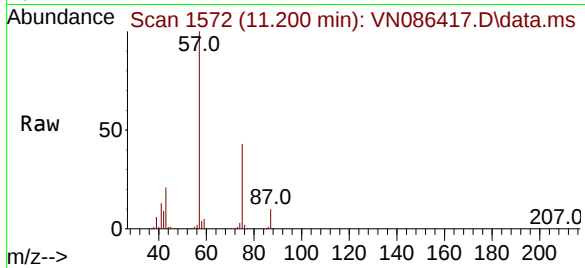




#59
2-Hexanone
Concen: 22.485 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086417.D
Acq: 28 Apr 2025 17:34

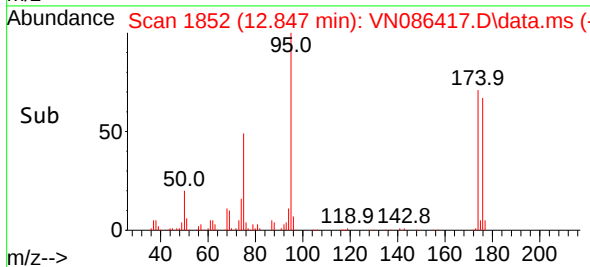
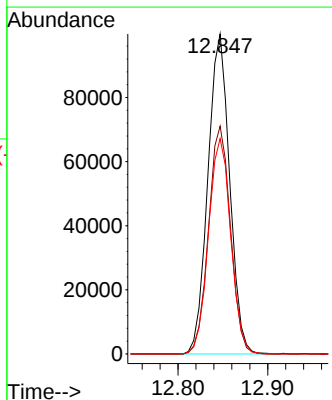
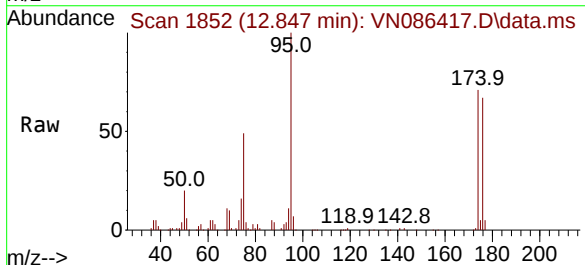
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#14

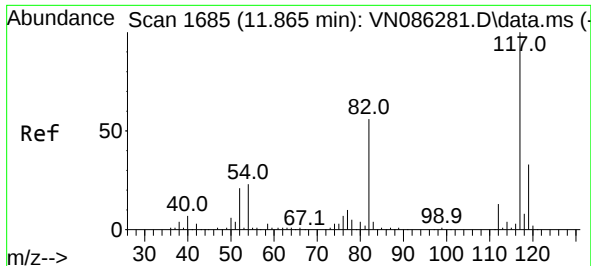
Tgt Ion: 43 Resp: 59578
Ion Ratio Lower Upper
43 100
58 14.6 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: 51.907 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086417.D
Acq: 28 Apr 2025 17:34

Tgt Ion: 95 Resp: 167872
Ion Ratio Lower Upper
95 100
174 71.7 0.0 133.4
176 68.6 0.0 129.2

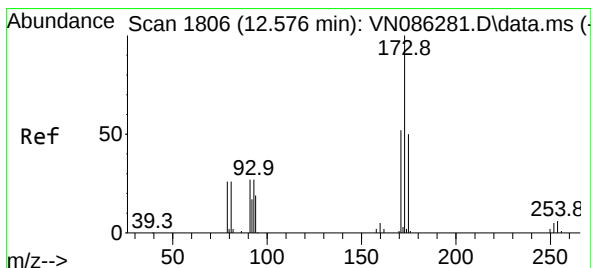
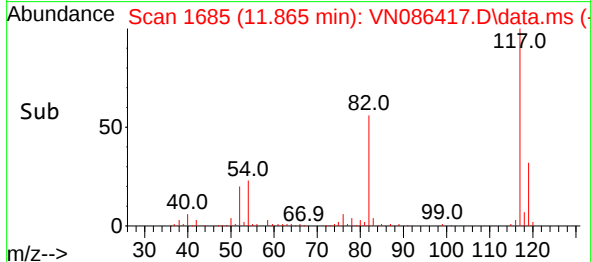
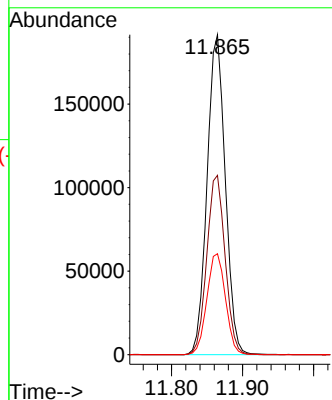
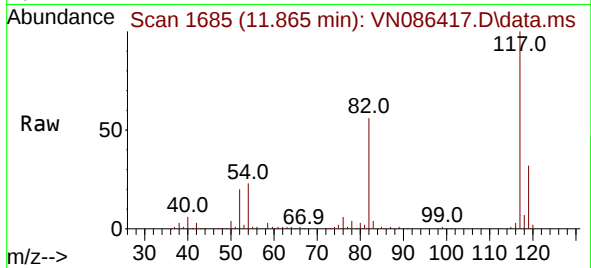




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086417.D
Acq: 28 Apr 2025 17:34

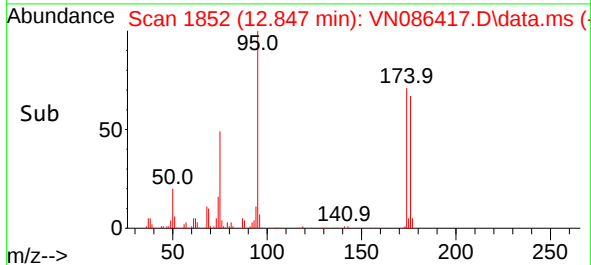
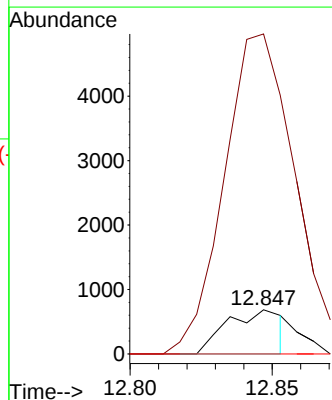
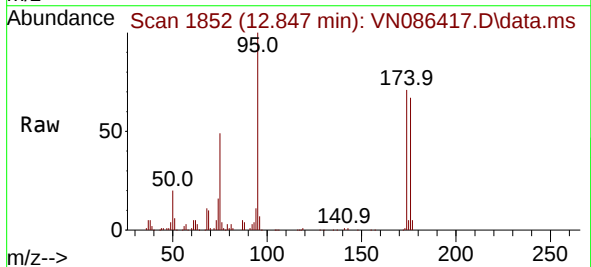
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#14

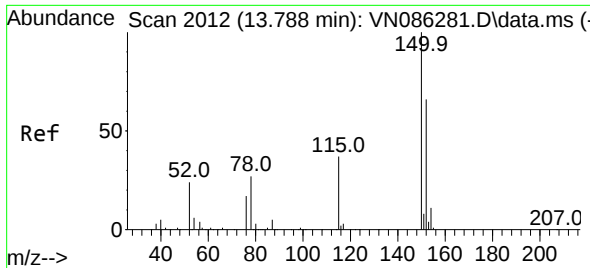
Tgt Ion:117 Resp: 341058
Ion Ratio Lower Upper
117 100
82 56.1 44.7 67.1
119 31.5 26.4 39.6



#71
Bromoform
Concen: 0.493 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN086417.D
Acq: 28 Apr 2025 17:34

Tgt Ion:173 Resp: 932
Ion Ratio Lower Upper
173 100
175 744.6 24.6 73.6#
254 0.0 0.0 0.0

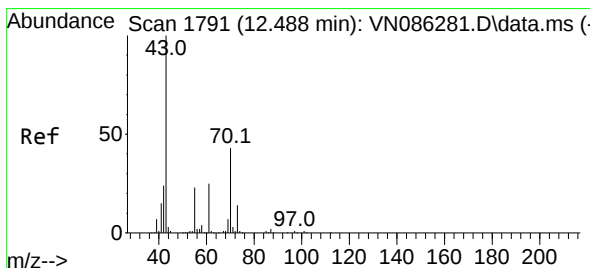
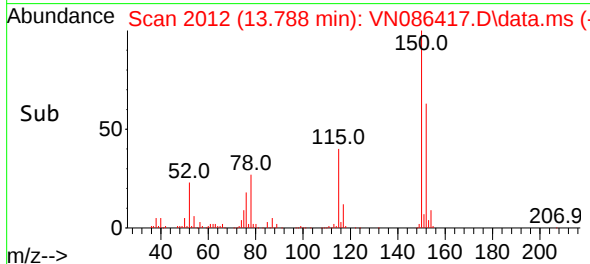
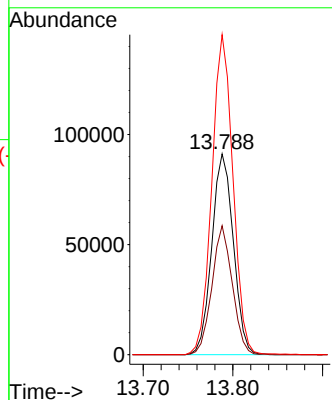
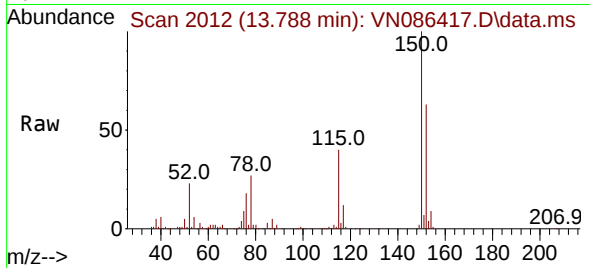




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086417.D
Acq: 28 Apr 2025 17:34

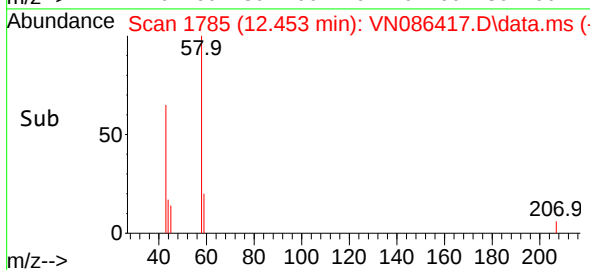
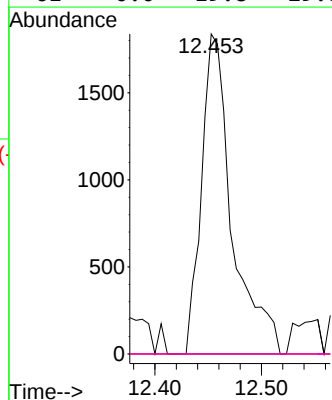
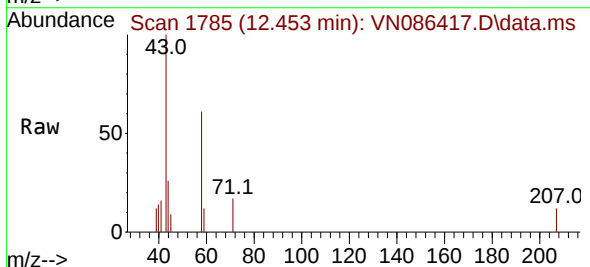
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#14

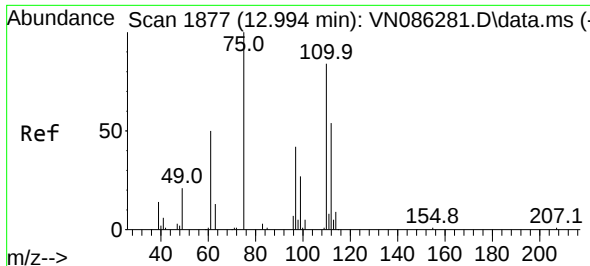
Tgt Ion:152 Resp: 152167
Ion Ratio Lower Upper
152 100
115 60.7 31.9 95.9
150 156.0 0.0 352.0



#74
N-ethyl acetate
Concen: 0.591 ug/l
RT: 12.453 min Scan# 1785
Delta R.T. -0.035 min
Lab File: VN086417.D
Acq: 28 Apr 2025 17:34

Tgt Ion: 43 Resp: 3660
Ion Ratio Lower Upper
43 100
70 0.0 35.0 52.4#
55 0.0 19.0 28.4#
61 0.0 19.8 29.8#

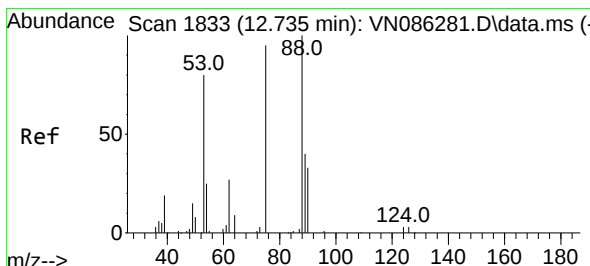
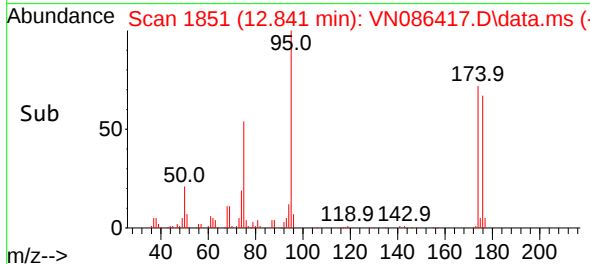
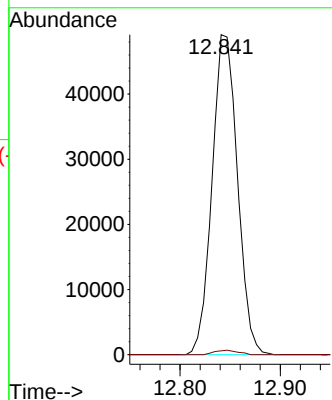
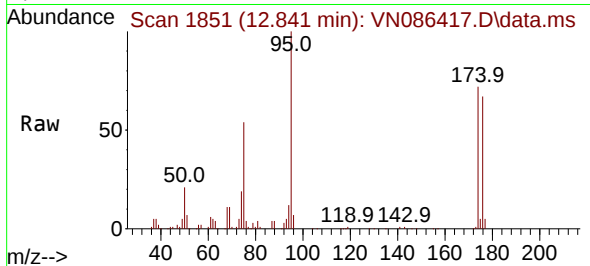




#76
1,2,3-Trichloropropane
Concen: 24.074 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. -0.153 min
Lab File: VN086417.D
Acq: 28 Apr 2025 17:34

Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#14

Tgt Ion: 75 Resp: 86449
Ion Ratio Lower Upper
75 100
77 1.3 98.8 296.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.818 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.106 min
Lab File: VN086417.D
Acq: 28 Apr 2025 17:34

Tgt Ion: 75 Resp: 86449
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#

