

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051325\
 Data File : VN086599.D
 Acq On : 13 May 2025 14:10
 Operator : JC\MD
 Sample : PB167932ZHE#18
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167932ZHE#18

Quant Time: May 14 01:44:09 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)

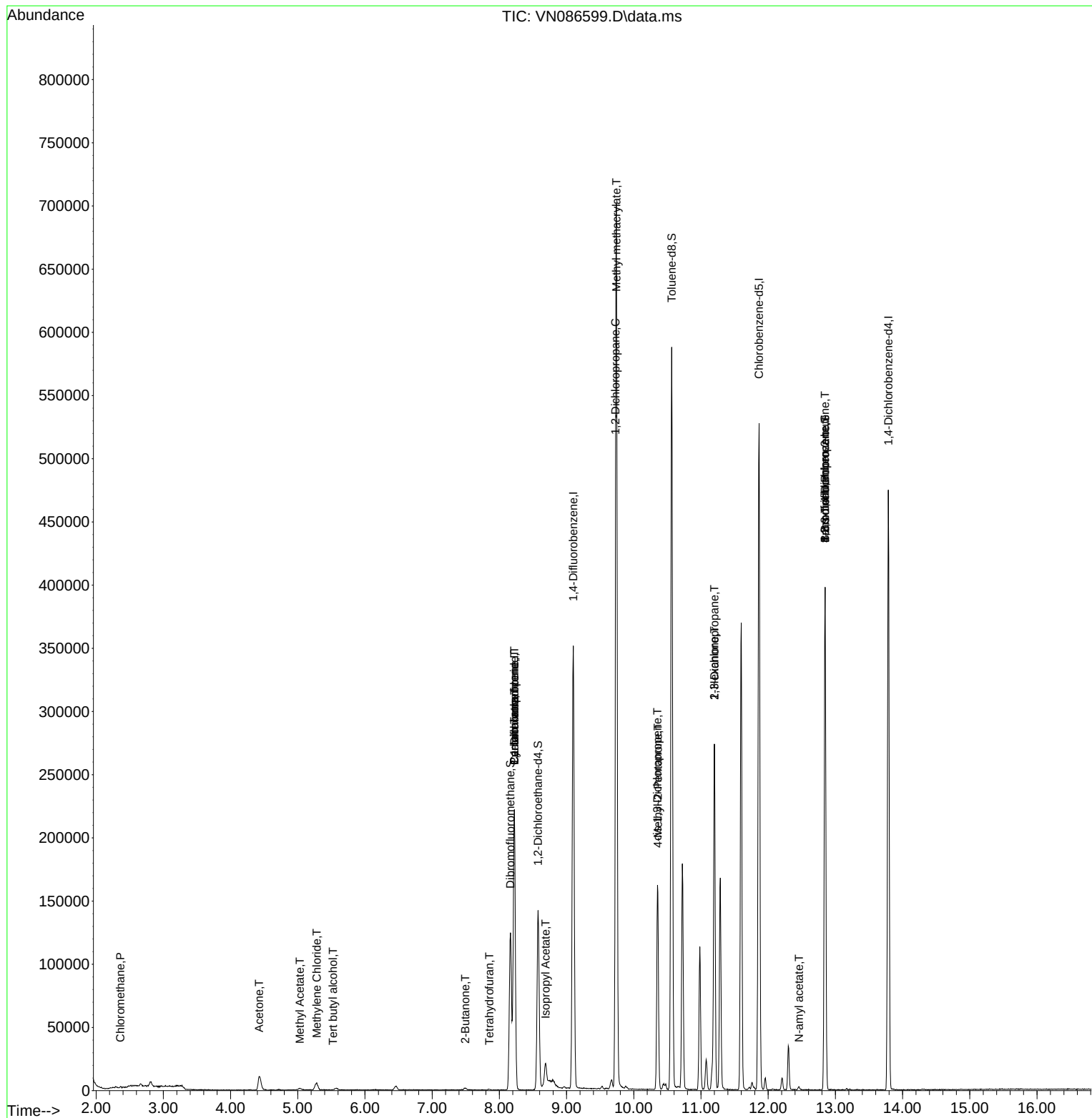
Internal Standards						
1) Pentafluorobenzene	8.224	168	163230	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	316360	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	310514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	128815	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	118452	50.044	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.080%			
35) Dibromofluoromethane	8.165	113	93005	63.343	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 126.680%#			
50) Toluene-d8	10.565	98	406362	51.785	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.560%			
62) 4-Bromofluorobenzene	12.847	95	143596	50.170	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.340%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	806	0.287	ug/l	99
11) Tert butyl alcohol	5.524	59	232	0.537	ug/l #	72
16) Acetone	4.424	43	22313	22.062	ug/l	93
18) Methyl Acetate	5.030	43	3089	1.087	ug/l #	77
20) Methylene Chloride	5.283	84	4605	2.104	ug/l	95
25) 2-Butanone	7.494	43	3132	2.126	ug/l #	87
29) Tetrahydrofuran	7.853	42	757	0.768	ug/l #	38
31) Cyclohexane	8.224	56	3762	0.981	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	13706	4.674	ug/l #	50
38) Carbon Tetrachloride	8.224	117	16357	5.857	ug/l #	17
43) Isopropyl Acetate	8.688	43	29153	3.460	ug/l #	81
45) 1,2-Dichloropropane	9.729	63	757	0.329	ug/l #	43
48) Methyl methacrylate	9.741	41	62691	23.122	ug/l #	43
51) 4-Methyl-2-Pentanone	10.359	43	60702	19.200	ug/l #	45
54) cis-1,3-Dichloropropene	10.353	75	30501	7.860	ug/l #	60
57) 1,3-Dichloropropane	11.200	76	2885	0.771	ug/l #	43
59) 2-Hexanone	11.200	43	52456	22.369	ug/l #	43
71) Bromoform	12.847	173	689	0.400	ug/l #	1
74) N-amyl acetate	12.459	43	2625	0.500	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	72688	23.912	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	72688	57.427	ug/l #	10

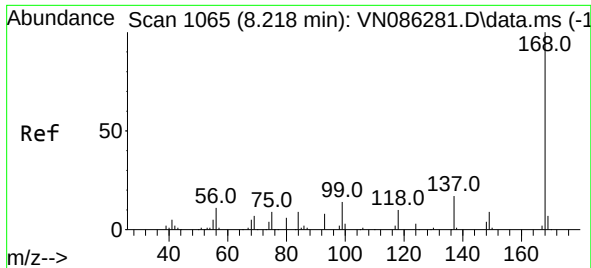
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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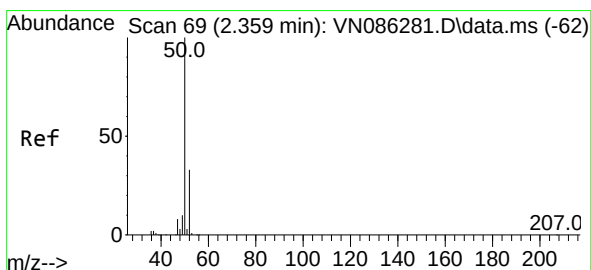
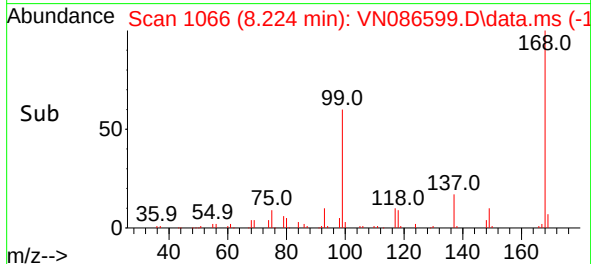
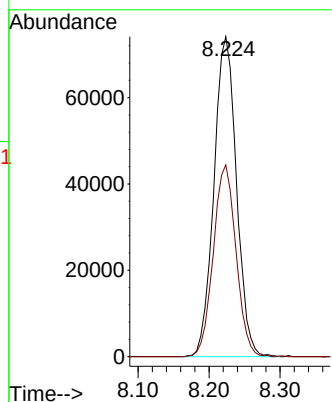
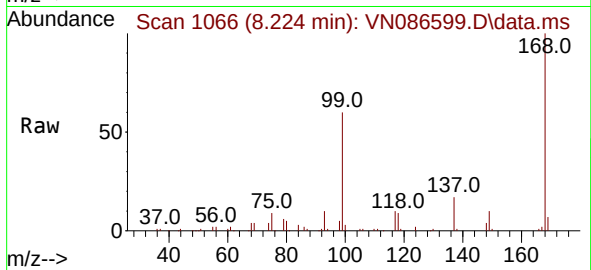




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN086599.D
Acq: 13 May 2025 14:10

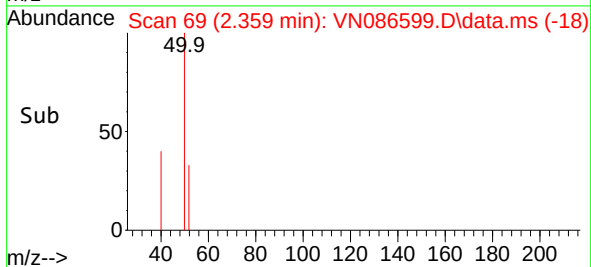
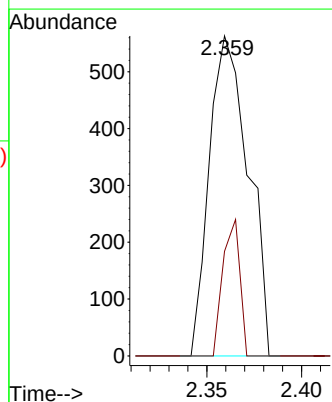
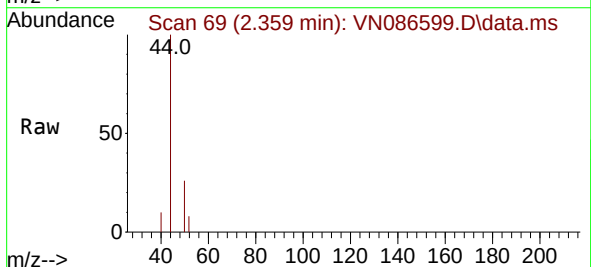
Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#18

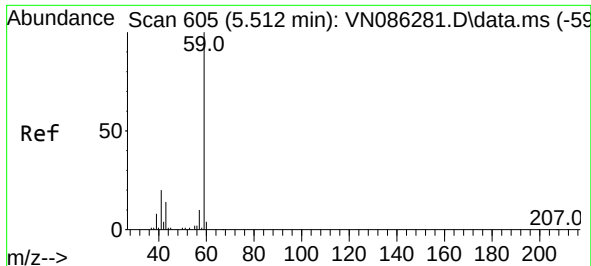
Tgt Ion:168 Resp: 163230
Ion Ratio Lower Upper
168 100
99 60.0 52.5 78.7



#3
Chloromethane
Concen: 0.287 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086599.D
Acq: 13 May 2025 14:10

Tgt Ion: 50 Resp: 806
Ion Ratio Lower Upper
50 100
52 32.7 26.5 39.7

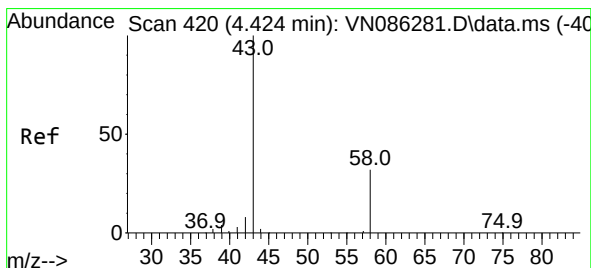
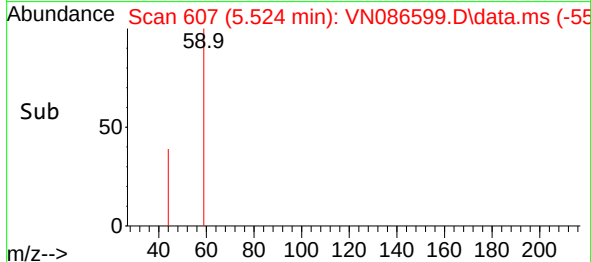
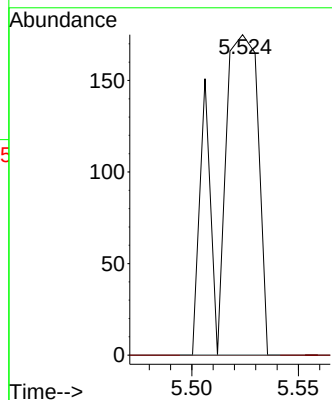
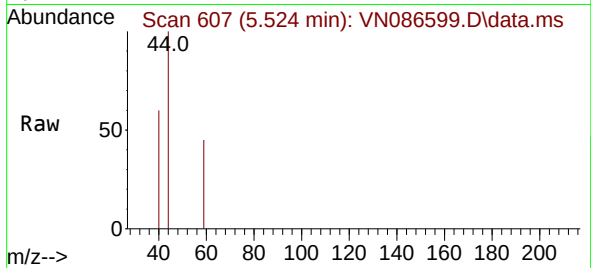




#11
Tert butyl alcohol
Concen: 0.537 ug/l
RT: 5.524 min Scan# 605
Delta R.T. 0.012 min
Lab File: VN086599.D
Acq: 13 May 2025 14:10

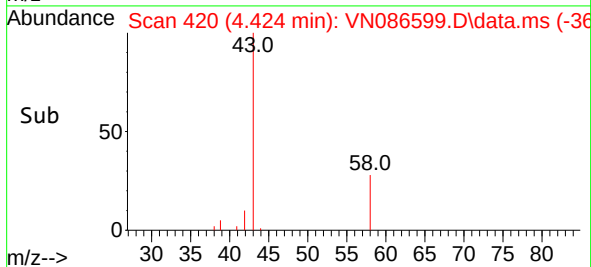
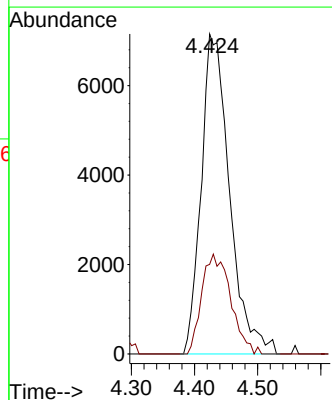
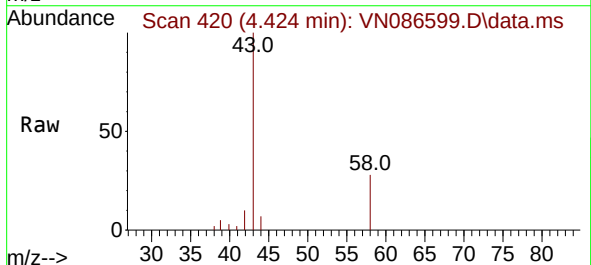
Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#18

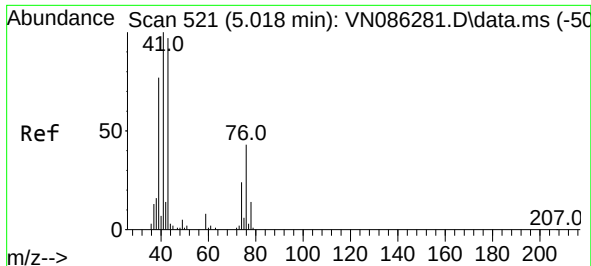
Tgt Ion: 59 Resp: 232
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 22.062 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN086599.D
Acq: 13 May 2025 14:10

Tgt Ion: 43 Resp: 22313
Ion Ratio Lower Upper
43 100
58 28.0 25.3 37.9

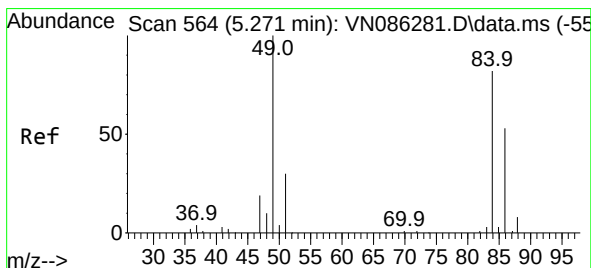
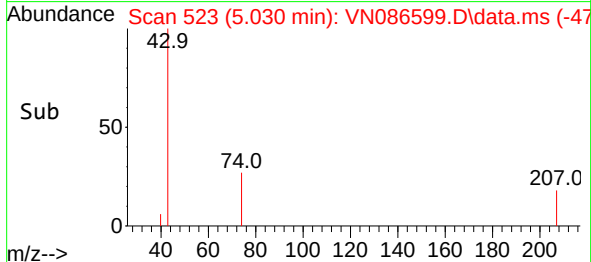
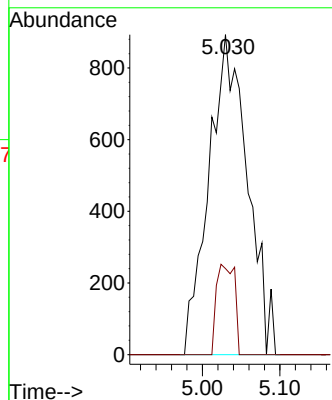
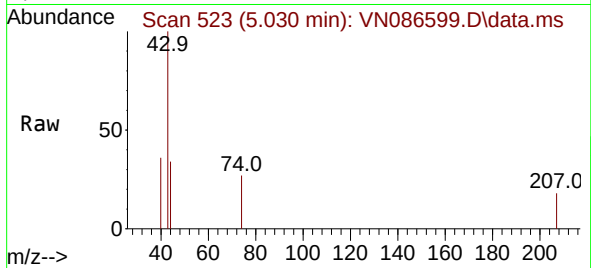




#18
Methyl Acetate
Concen: 1.087 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN086599.D
Acq: 13 May 2025 14:10

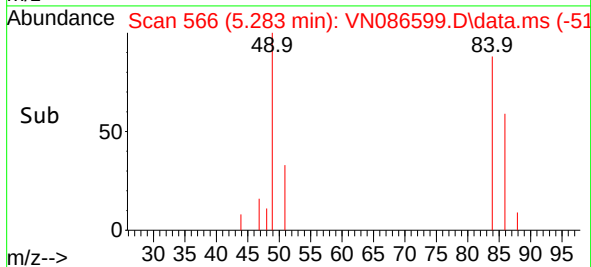
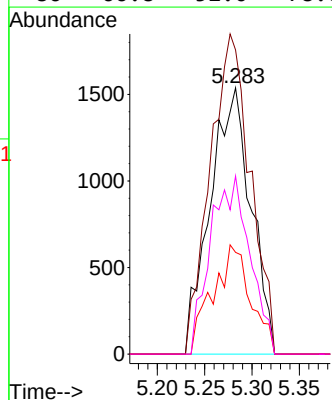
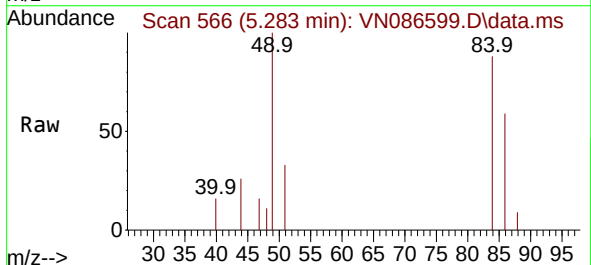
Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#18

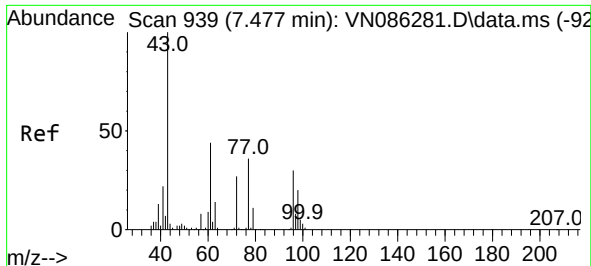
Tgt Ion: 43 Resp: 3089
Ion Ratio Lower Upper
43 100
74 13.2 19.8 29.6#



#20
Methylene Chloride
Concen: 2.104 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN086599.D
Acq: 13 May 2025 14:10

Tgt Ion: 84 Resp: 4605
Ion Ratio Lower Upper
84 100
49 114.2 98.2 147.2
51 38.2 29.8 44.6
86 66.8 52.0 78.0

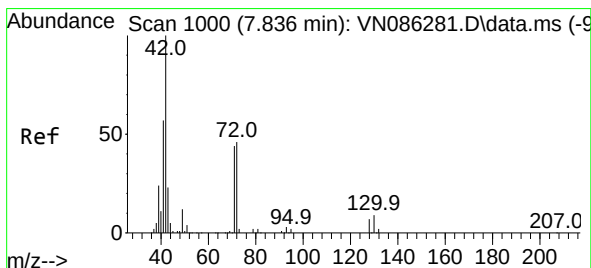
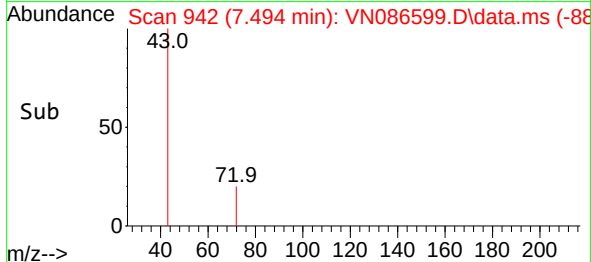
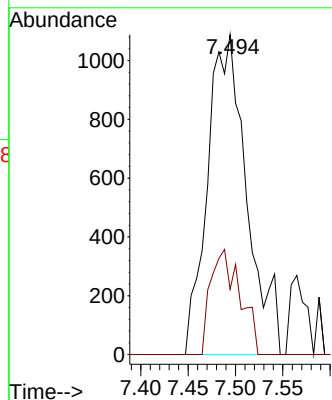
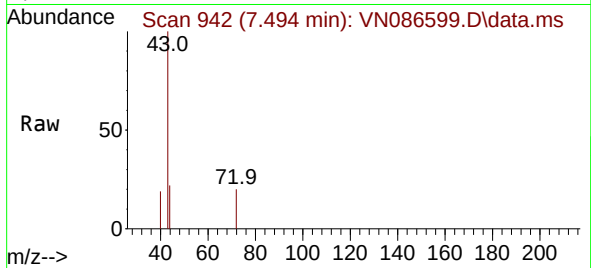




#25
2-Butanone
Concen: 2.126 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.018 min
Lab File: VN086599.D
Acq: 13 May 2025 14:10

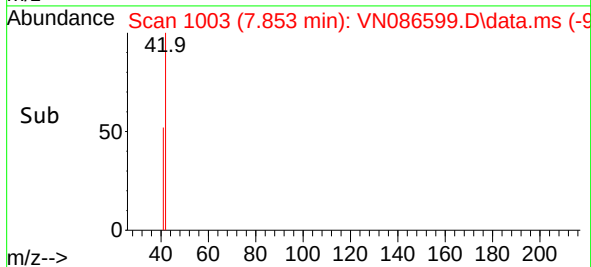
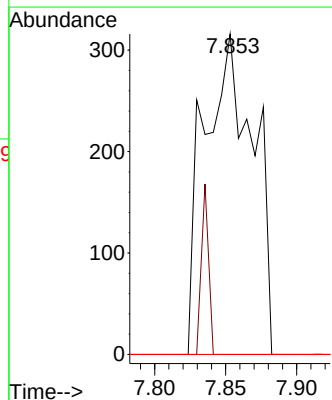
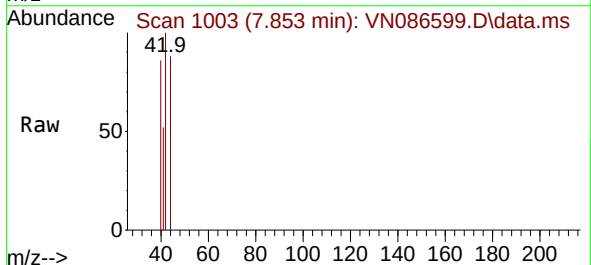
Instrument :
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ClientSampleId :
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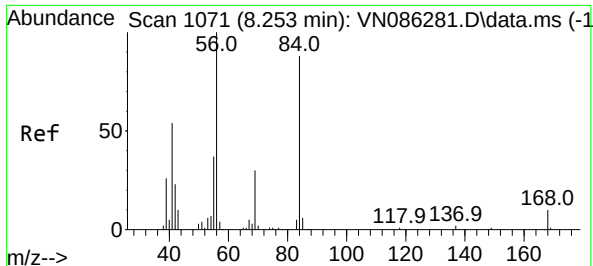
Tgt Ion: 43 Resp: 3132
Ion Ratio Lower Upper
43 100
72 20.4 21.7 32.5#



#29
Tetrahydrofuran
Concen: 0.768 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.018 min
Lab File: VN086599.D
Acq: 13 May 2025 14:10

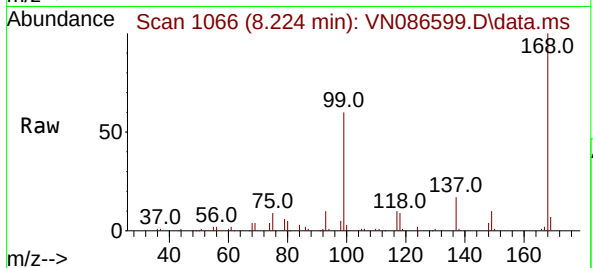
Tgt Ion: 42 Resp: 757
Ion Ratio Lower Upper
42 100
72 7.8 36.2 54.4#
71 0.0 34.0 51.0#





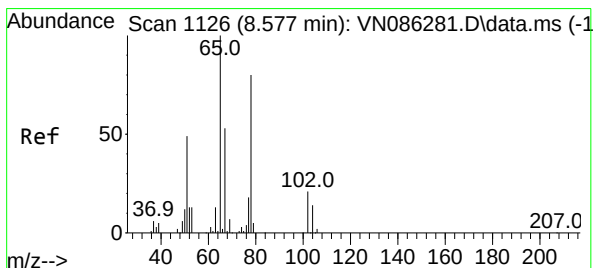
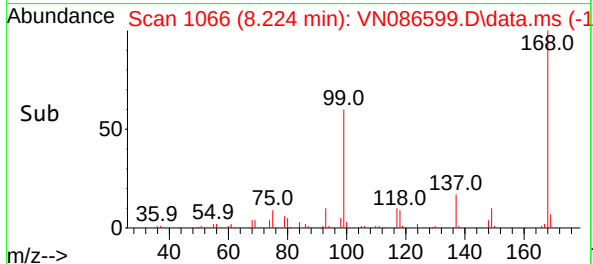
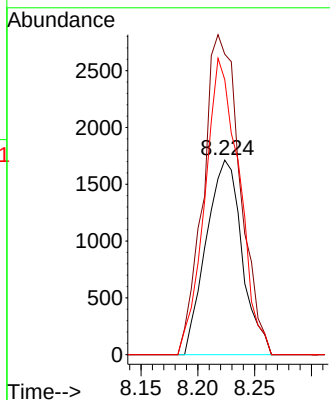
#31
Cyclohexane
Concen: 0.981 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN086599.D
Acq: 13 May 2025 14:10

Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#18



Tgt Ion: 56 Resp: 3762

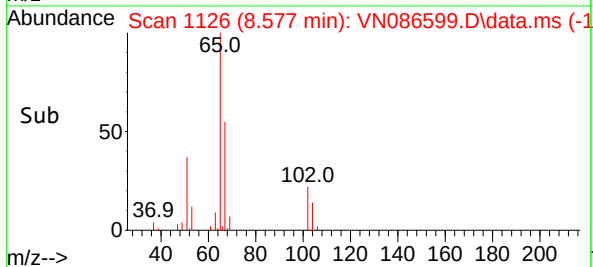
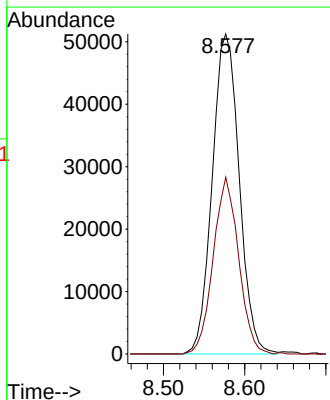
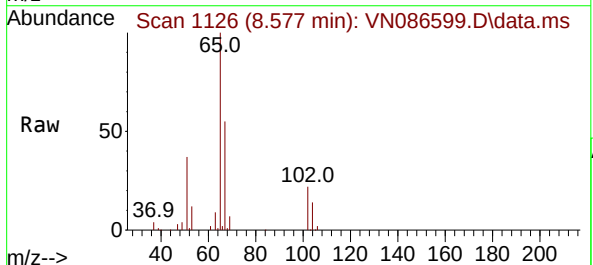
Ion	Ratio	Lower	Upper
56	100		
69	154.4	24.2	36.2#
84	141.3	70.3	105.5#

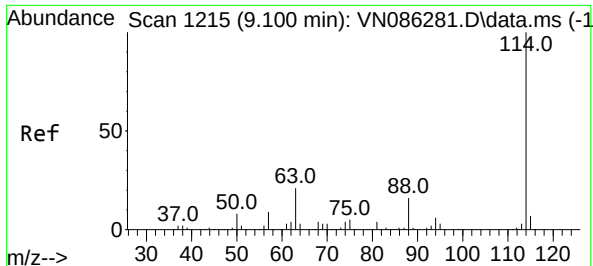


#33
1,2-Dichloroethane-d4
Concen: 50.044 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086599.D
Acq: 13 May 2025 14:10

Tgt Ion: 65 Resp: 118452

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086599.D

Acq: 13 May 2025 14:10

Instrument :

MSVOA_N

ClientSampleId :

PB167932ZHE#18

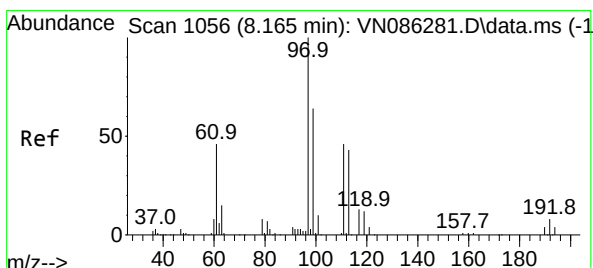
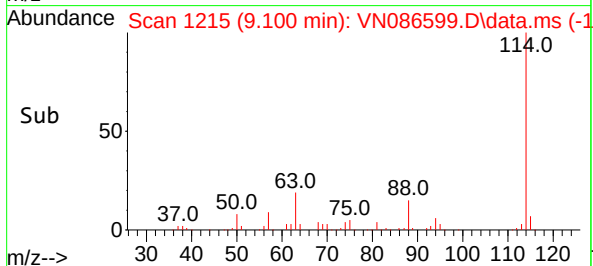
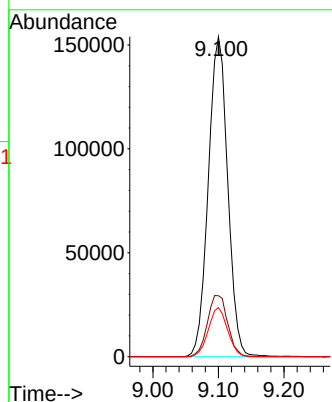
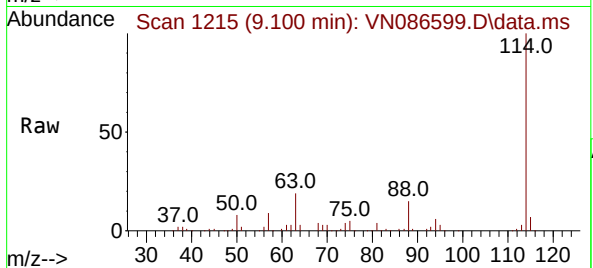
Tgt Ion:114 Resp: 316360

Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.6

88 15.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 63.343 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086599.D

Acq: 13 May 2025 14:10

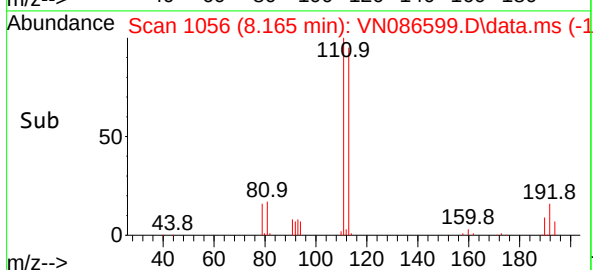
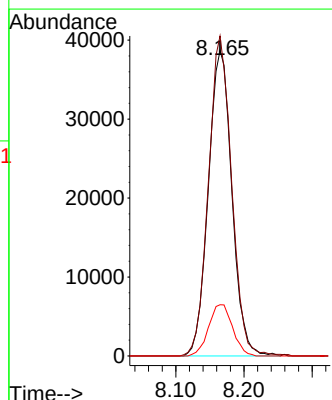
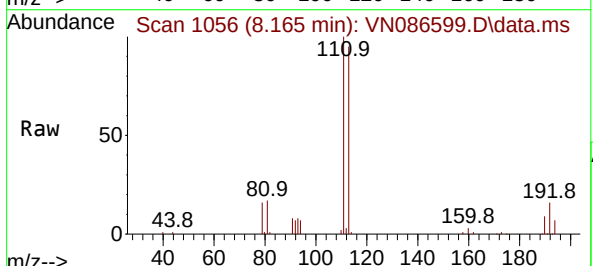
Tgt Ion:113 Resp: 93005

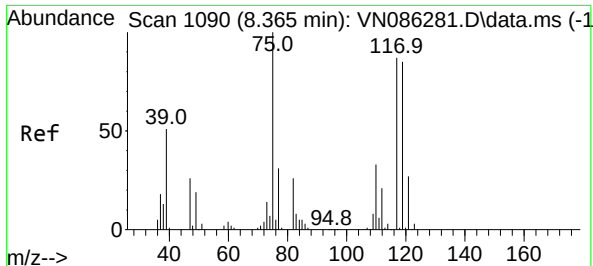
Ion Ratio Lower Upper

113 100

111 103.1 83.4 125.0

192 17.1 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.674 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN086599.D

Acq: 13 May 2025 14:10

Instrument :

MSVOA_N

ClientSampleId :

PB167932ZHE#18

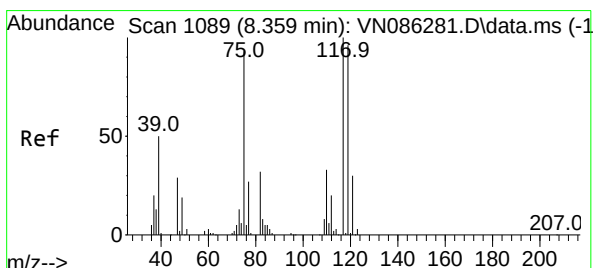
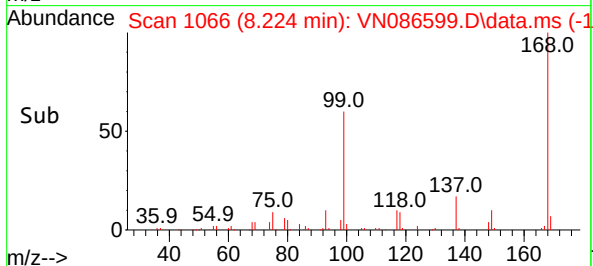
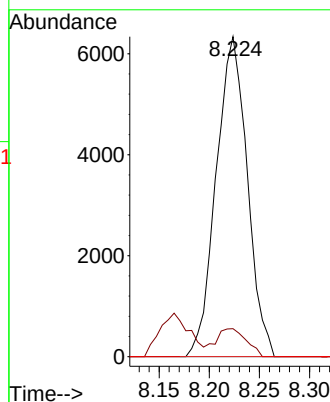
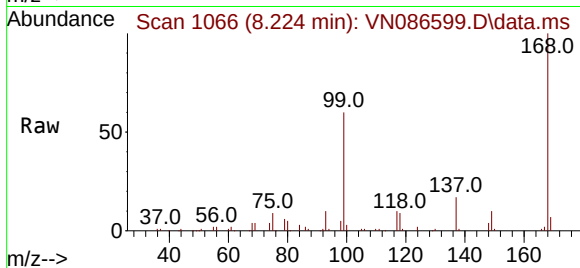
Tgt Ion: 75 Resp: 13706

Ion Ratio Lower Upper

75 100

110 8.6 16.8 50.4#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 5.857 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN086599.D

Acq: 13 May 2025 14:10

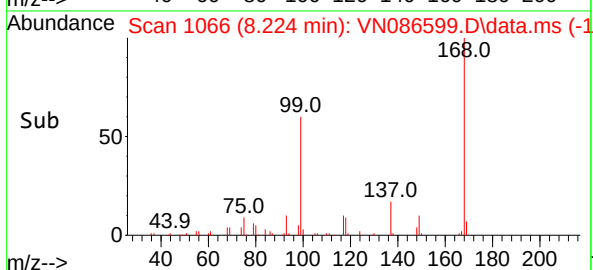
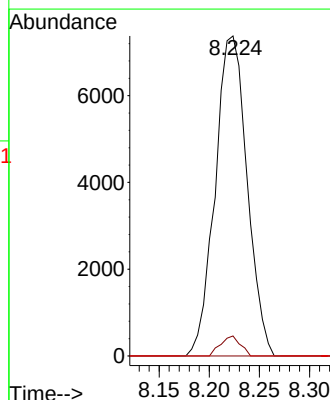
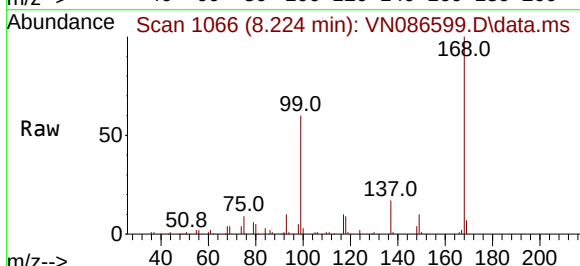
Tgt Ion: 117 Resp: 16357

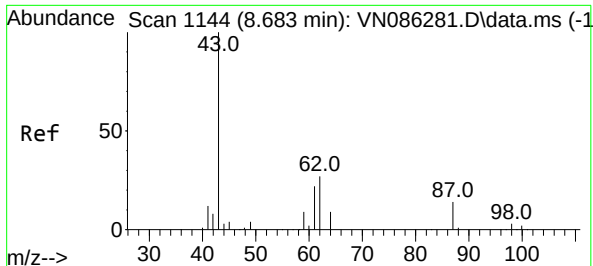
Ion Ratio Lower Upper

117 100

119 6.3 76.8 115.2#

121 0.0 23.8 35.8#

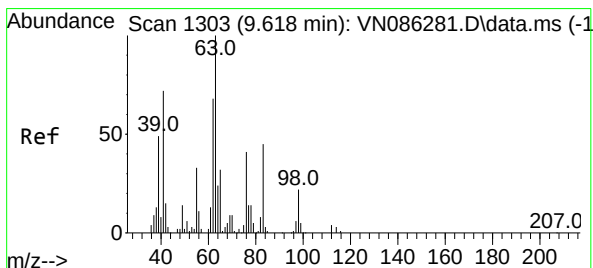
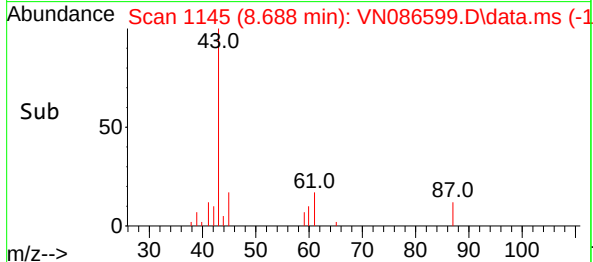
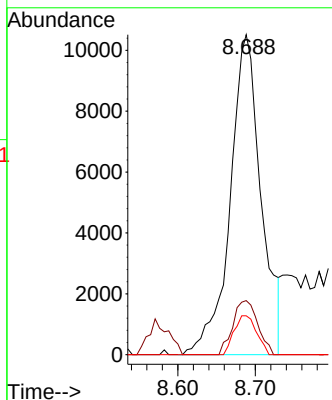
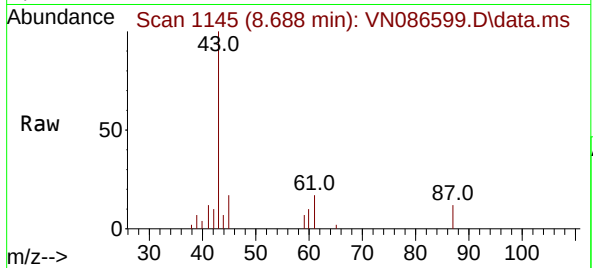




#43
Isopropyl Acetate
Concen: 3.460 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN086599.D
Acq: 13 May 2025 14:10

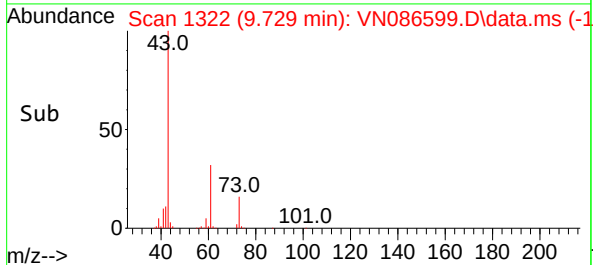
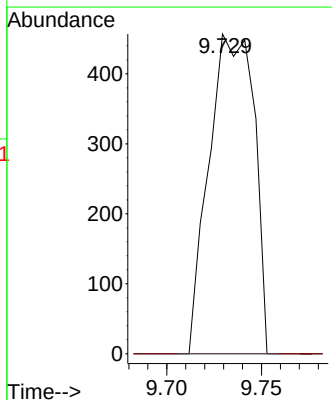
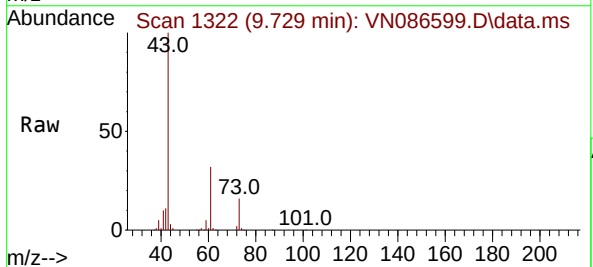
Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#18

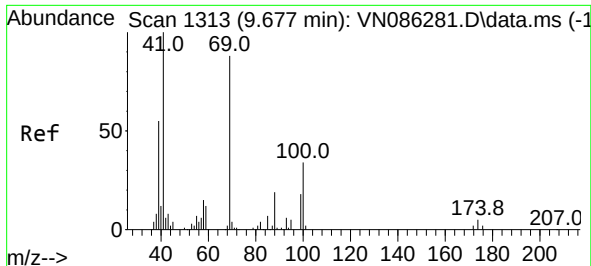
Tgt Ion: 43 Resp: 29153
Ion Ratio Lower Upper
43 100
61 13.6 20.5 30.7#
87 8.8 10.5 15.7#



#45
1,2-Dichloropropane
Concen: 0.329 ug/l
RT: 9.729 min Scan# 1322
Delta R.T. 0.112 min
Lab File: VN086599.D
Acq: 13 May 2025 14:10

Tgt Ion: 63 Resp: 757
Ion Ratio Lower Upper
63 100
65 0.0 25.4 38.2#

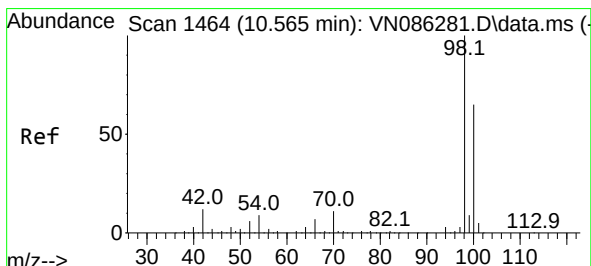
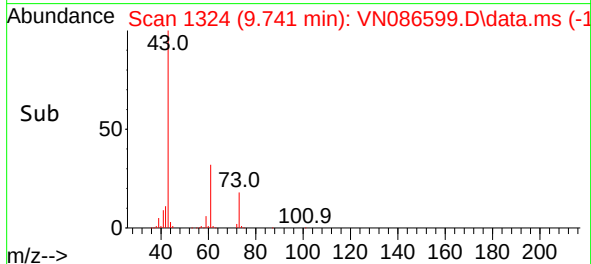
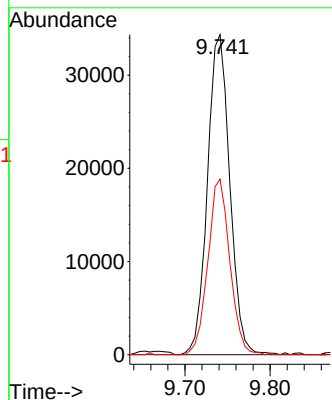
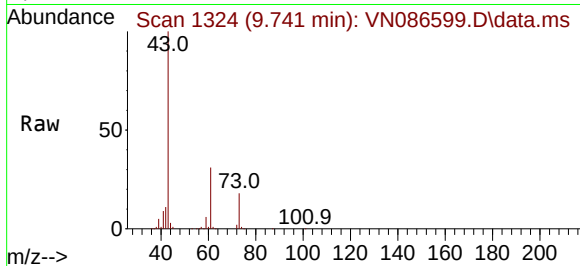




#48
Methyl methacrylate
Concen: 23.122 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN086599.D
Acq: 13 May 2025 14:10

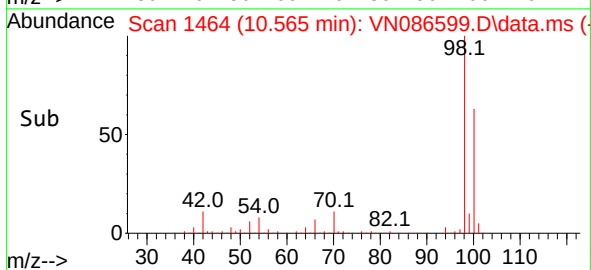
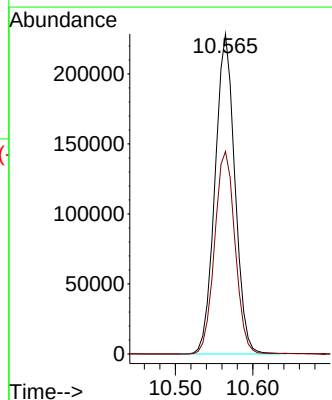
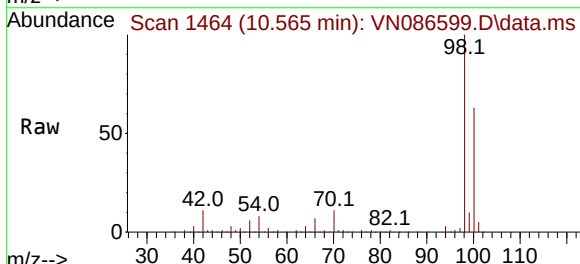
Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#18

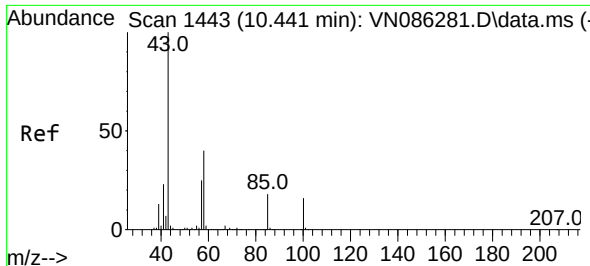
Tgt Ion: 41 Resp: 62691
Ion Ratio Lower Upper
41 100
69 0.0 68.2 102.2#
39 53.9 45.2 67.8



#50
Toluene-d8
Concen: 51.785 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086599.D
Acq: 13 May 2025 14:10

Tgt Ion: 98 Resp: 406362
Ion Ratio Lower Upper
98 100
100 65.1 52.5 78.7

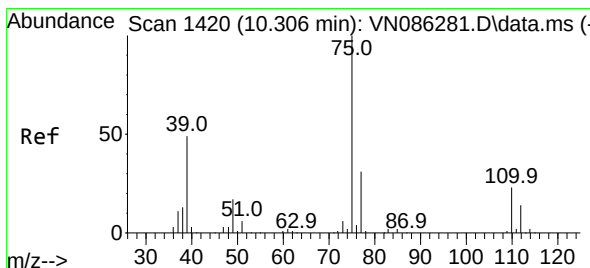
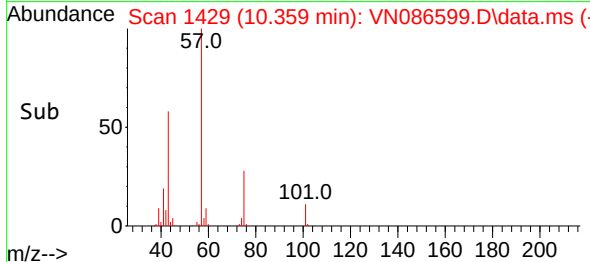
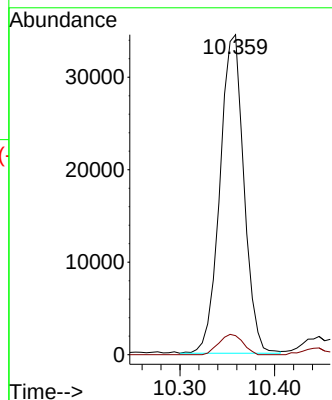
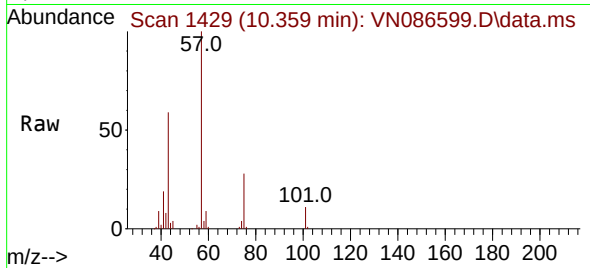




#51
4-Methyl-2-Pentanone
Concen: 19.200 ug/l
RT: 10.359 min Scan# 1443
Delta R.T. -0.082 min
Lab File: VN086599.D
Acq: 13 May 2025 14:10

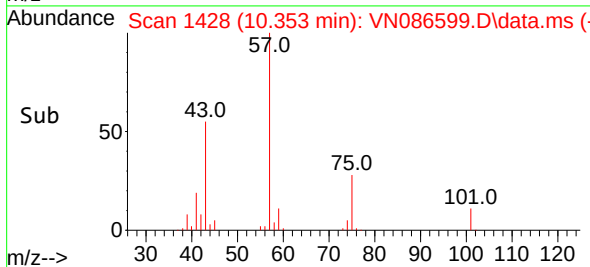
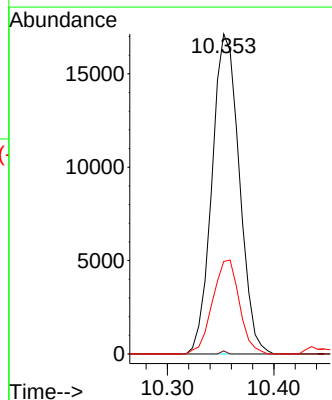
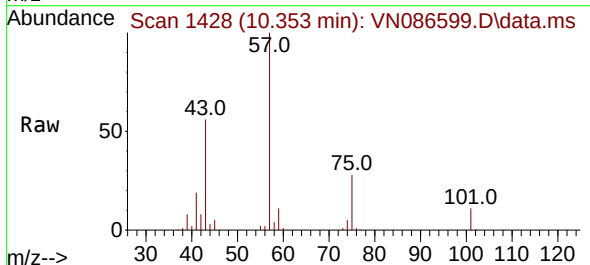
Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#18

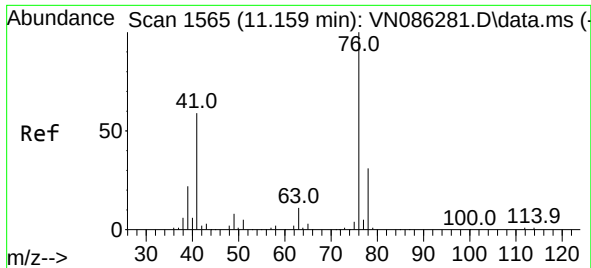
Tgt Ion: 43 Resp: 60702
Ion Ratio Lower Upper
43 100
58 6.4 32.2 48.4#



#54
cis-1,3-Dichloropropene
Concen: 7.860 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN086599.D
Acq: 13 May 2025 14:10

Tgt Ion: 75 Resp: 30501
Ion Ratio Lower Upper
75 100
77 1.0 25.2 37.8#
39 28.9 39.3 58.9#

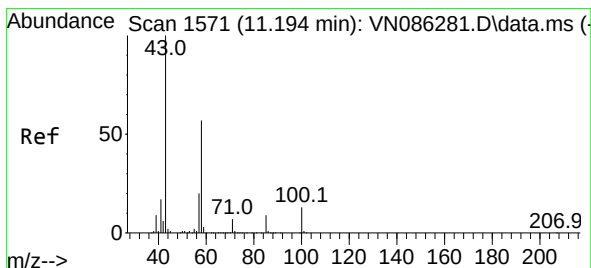
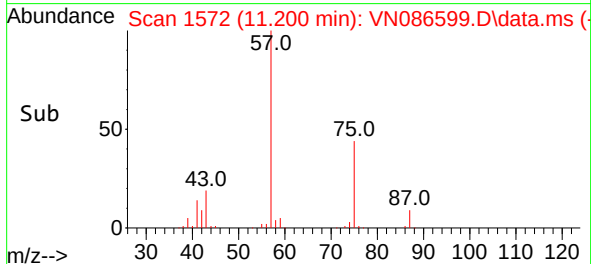
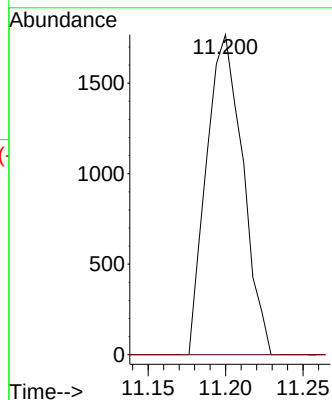
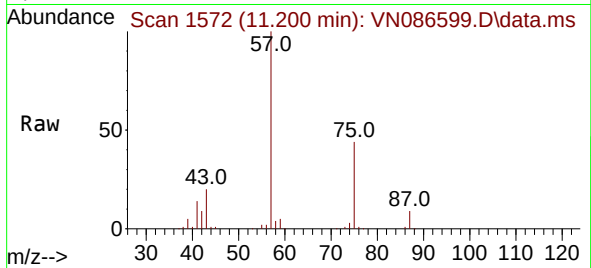




#57
1,3-Dichloropropane
Concen: 0.771 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN086599.D
Acq: 13 May 2025 14:10

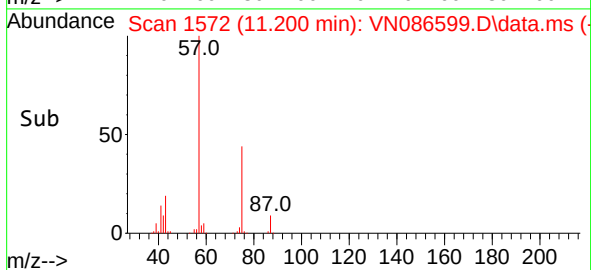
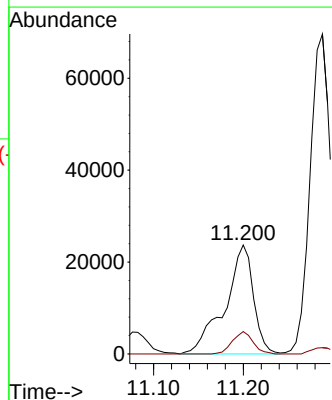
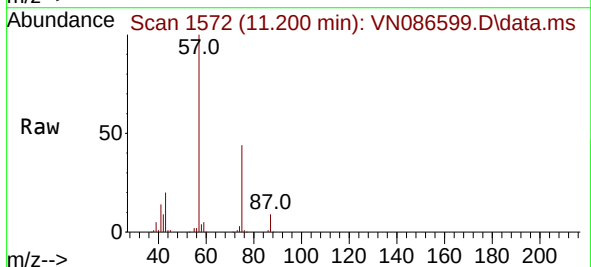
Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#18

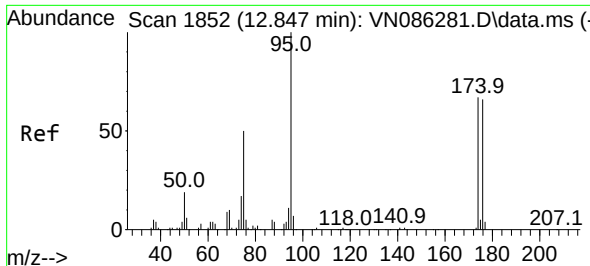
Tgt Ion: 76 Resp: 2885
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#



#59
2-Hexanone
Concen: 22.369 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN086599.D
Acq: 13 May 2025 14:10

Tgt Ion: 43 Resp: 52456
Ion Ratio Lower Upper
43 100
58 14.8 28.3 85.0#

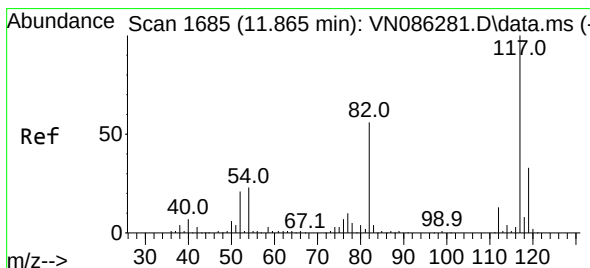
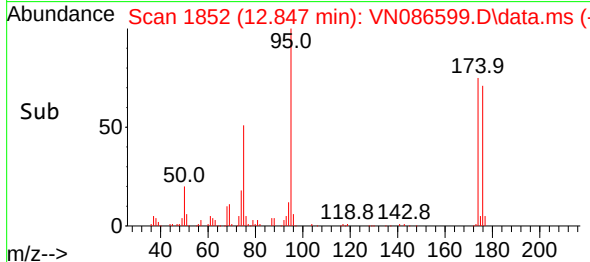
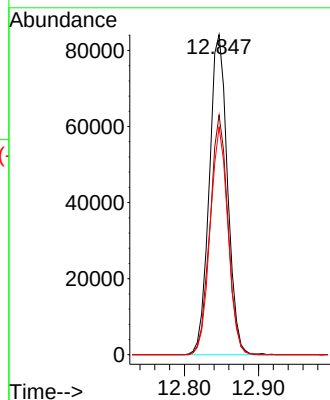
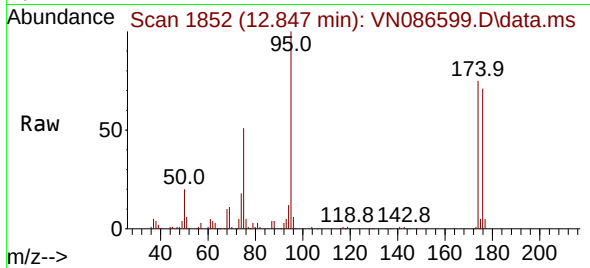




#62
4-Bromofluorobenzene
Concen: 50.170 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086599.D
Acq: 13 May 2025 14:10

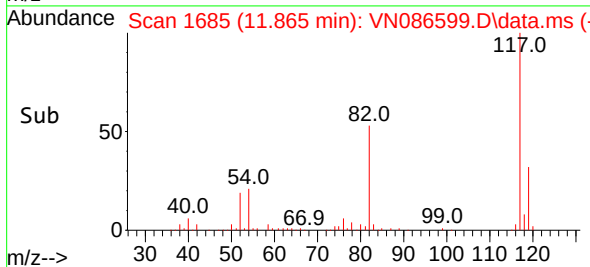
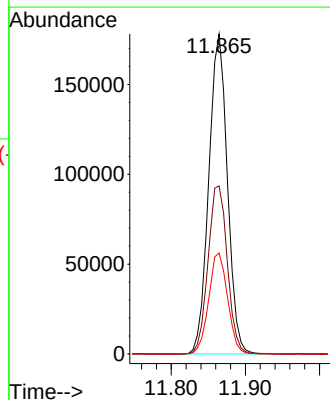
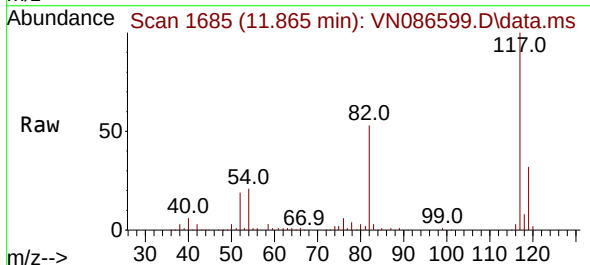
Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#18

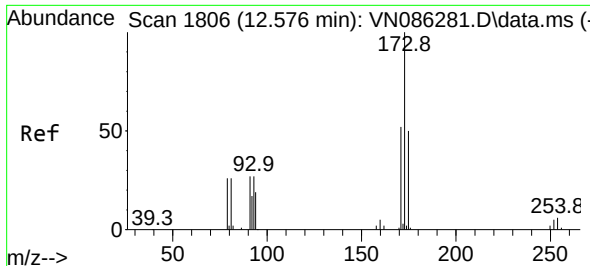
Tgt Ion: 95 Resp: 143596
Ion Ratio Lower Upper
95 100
174 73.7 0.0 133.4
176 69.7 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086599.D
Acq: 13 May 2025 14:10

Tgt Ion: 117 Resp: 310514
Ion Ratio Lower Upper
117 100
82 52.5 44.7 67.1
119 31.5 26.4 39.6

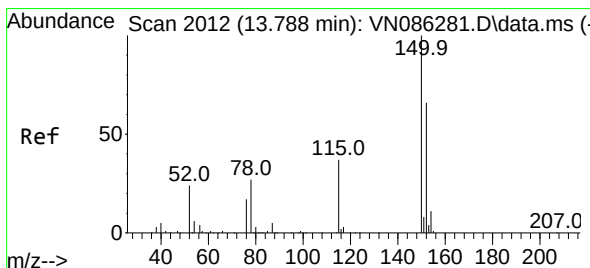
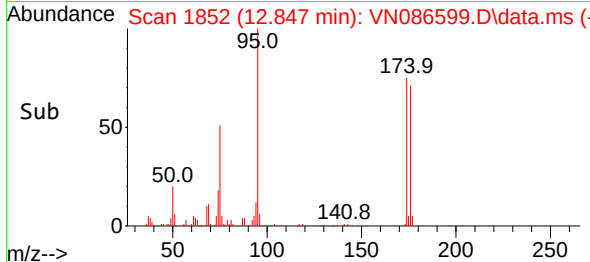
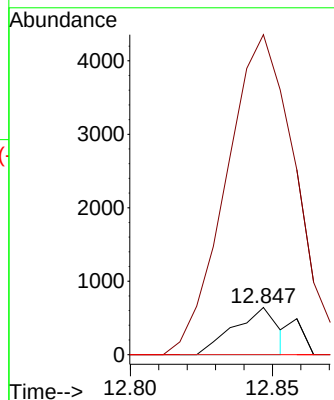
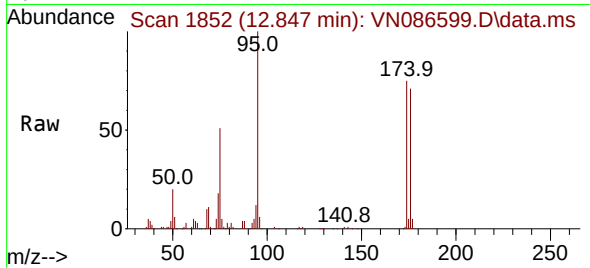




#71
Bromoform
Concen: 0.400 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.270 min
Lab File: VN086599.D
Acq: 13 May 2025 14:10

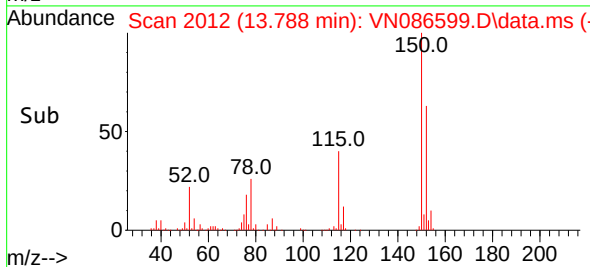
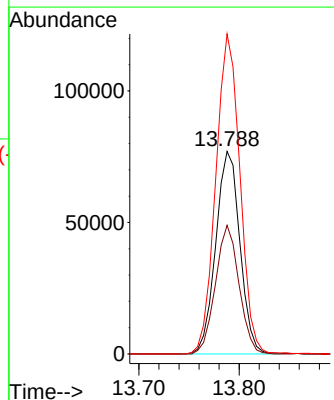
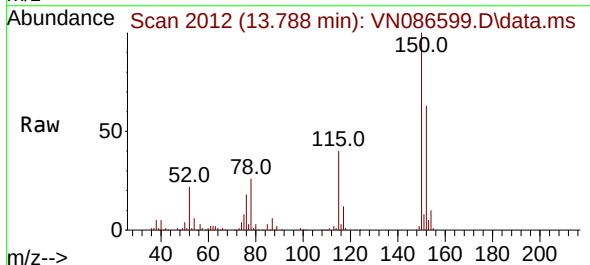
Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#18

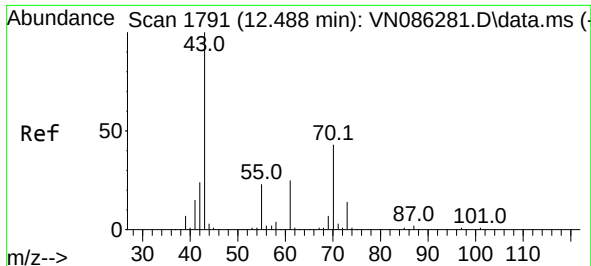
Tgt Ion:173 Resp: 689
Ion Ratio Lower Upper
173 100
175 863.7 24.6 73.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086599.D
Acq: 13 May 2025 14:10

Tgt Ion:152 Resp: 128815
Ion Ratio Lower Upper
152 100
115 61.9 31.9 95.9
150 158.0 0.0 352.0

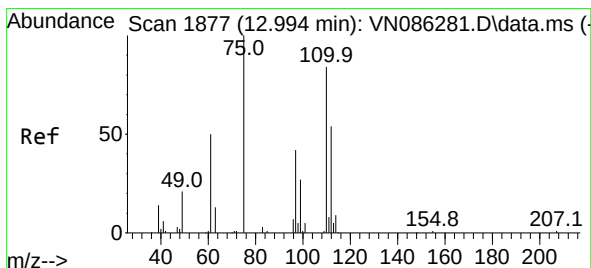
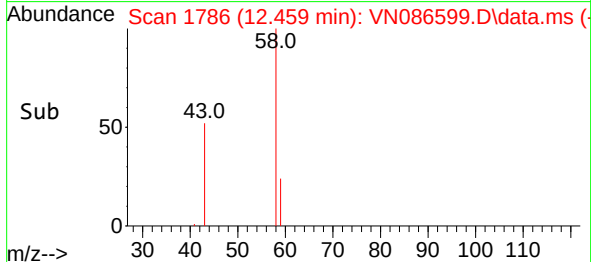
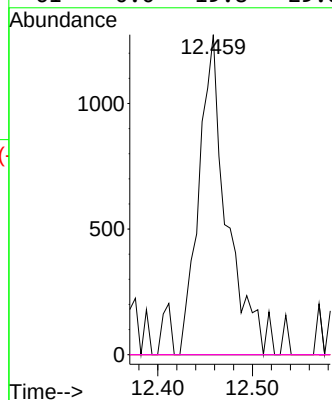
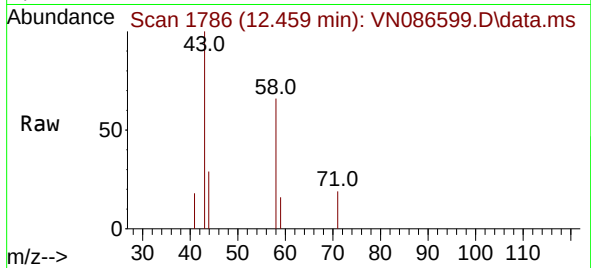




#74
N-amy1 acetate
Concen: 0.500 ug/l
RT: 12.459 min Scan# 11
Delta R.T. -0.030 min
Lab File: VN086599.D
Acq: 13 May 2025 14:10

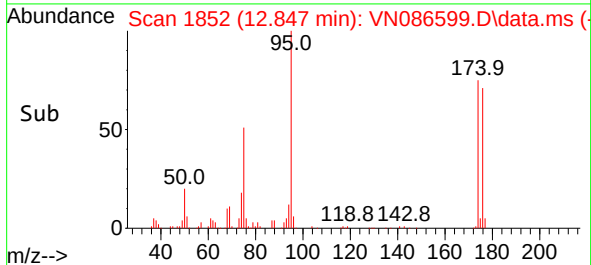
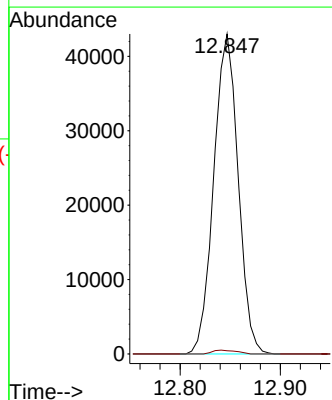
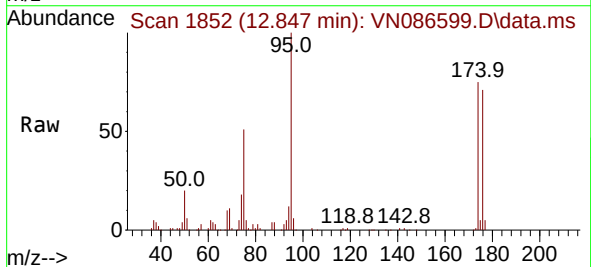
Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#18

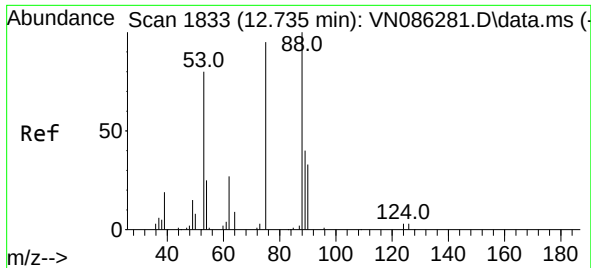
Tgt Ion: 43	Resp: 2625
Ion Ratio	Lower Upper
43 100	
70 0.0	35.0 52.4#
55 0.0	19.0 28.4#
61 0.0	19.8 29.8#



#76
1,2,3-Trichloropropane
Concen: 23.912 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086599.D
Acq: 13 May 2025 14:10

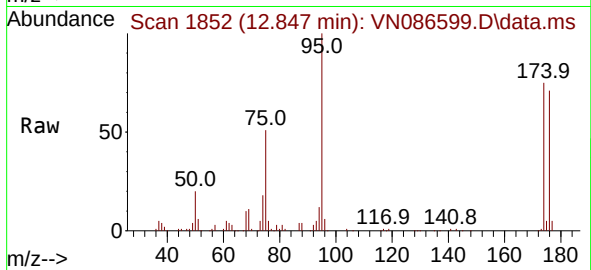
Tgt Ion: 75	Resp:	72688	
Ion Ratio	Lower	Upper	
75 100			
77 1.2	98.8	296.4#	





#81
trans-1,4-Dichloro-2-butene
Concen: 57.427 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN086599.D
Acq: 13 May 2025 14:10

Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#18



Tgt Ion: 75 Resp: 72688
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#

