

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051525\
 Data File : VN086643.D
 Acq On : 15 May 2025 14:23
 Operator : JC\MD
 Sample : PB167995ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167995ZHE#05

Quant Time: May 16 05:27:24 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)

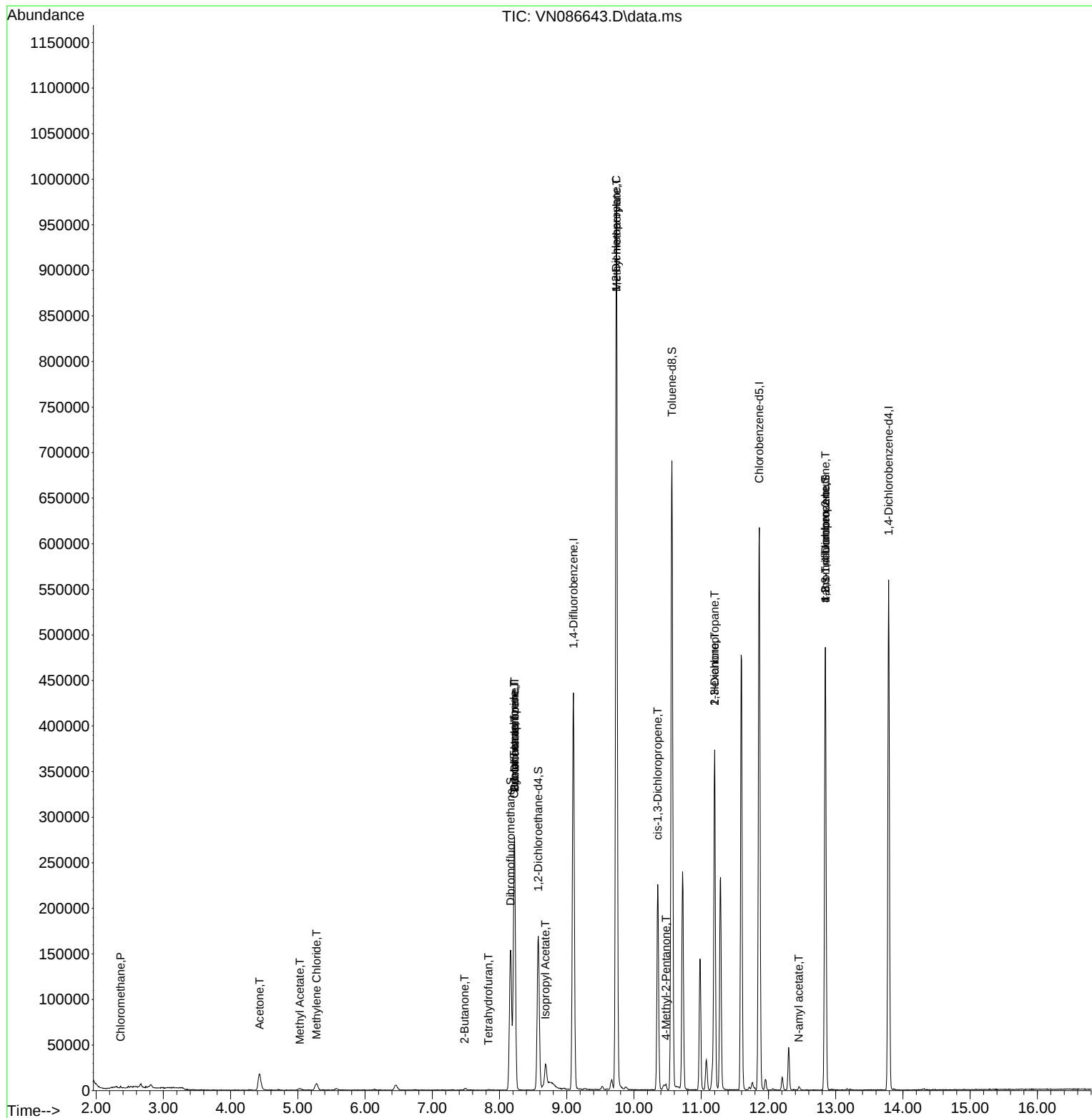
Internal Standards						
1) Pentafluorobenzene	8.224	168	213519	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	395528	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	379438	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	159658	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	142593	46.054	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 92.100%			
35) Dibromofluoromethane	8.165	113	116996	63.734	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 127.460%#			
50) Toluene-d8	10.565	98	502690	51.238	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.480%			
62) 4-Bromofluorobenzene	12.847	95	179546	50.175	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.340%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	937	0.255	ug/l	88
16) Acetone	4.430	43	36566	29.116	ug/l	91
18) Methyl Acetate	5.030	43	3556	0.957	ug/l #	77
20) Methylene Chloride	5.277	84	6136	2.144	ug/l #	87
25) 2-Butanone	7.482	43	3446	1.788	ug/l	96
29) Tetrahydrofuran	7.835	42	588	0.456	ug/l #	64
31) Cyclohexane	8.224	56	4307	0.858	ug/l #	4
36) 1,1-Dichloropropene	8.224	75	16730	4.563	ug/l #	49
38) Carbon Tetrachloride	8.218	117	21250	6.086	ug/l #	16
43) Isopropyl Acetate	8.682	43	41177	4.154	ug/l #	82
45) 1,2-Dichloropropane	9.735	63	1302	0.453	ug/l #	43
48) Methyl methacrylate	9.741	41	83577	24.655	ug/l #	41
51) 4-Methyl-2-Pentanone	10.476	43	4796	1.213	ug/l #	35
54) cis-1,3-Dichloropropene	10.353	75	43920	9.053	ug/l #	56
57) 1,3-Dichloropropane	11.200	76	4291	0.917	ug/l #	43
59) 2-Hexanone	11.200	43	70060	23.896	ug/l #	43
74) N-amyl acetate	12.453	43	3440	0.529	ug/l #	44
76) 1,2,3-Trichloropropane	12.847	75	88212	23.413	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	88212	56.229	ug/l #	10

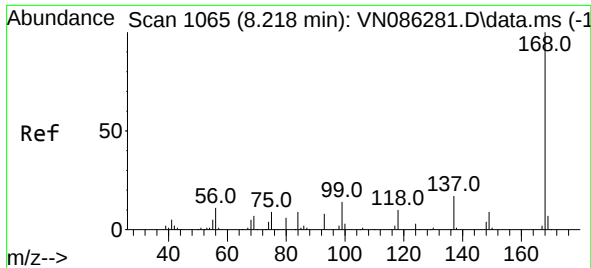
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051525\
Data File : VN086643.D
Acq On : 15 May 2025 14:23
Operator : JC\MD
Sample : PB167995ZHE#05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#05

Quant Time: May 16 05:27:24 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

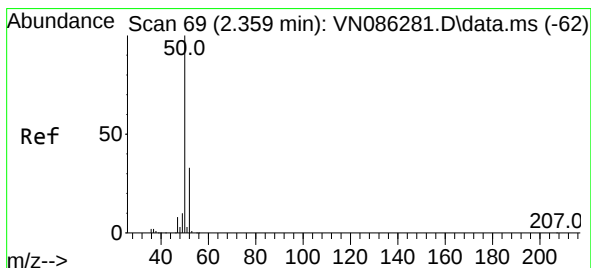
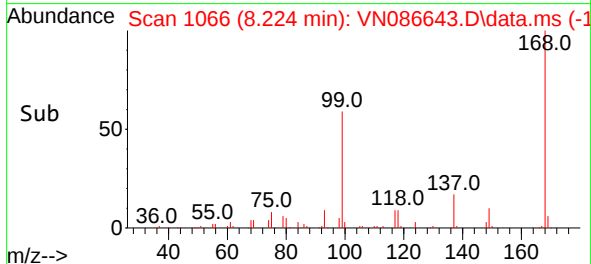
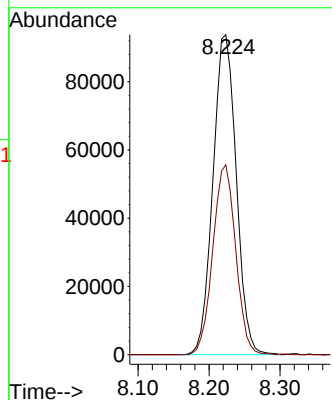
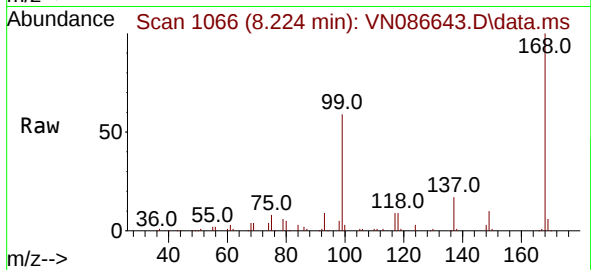




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN086643.D
Acq: 15 May 2025 14:23

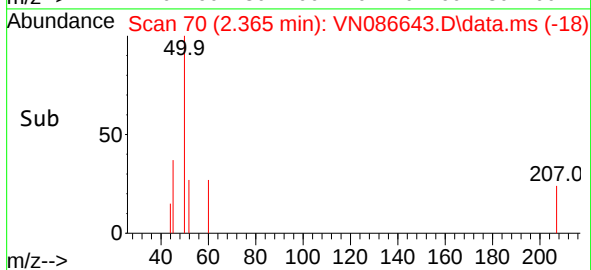
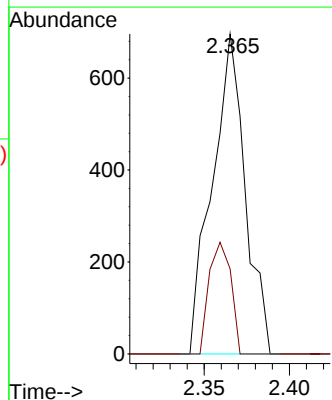
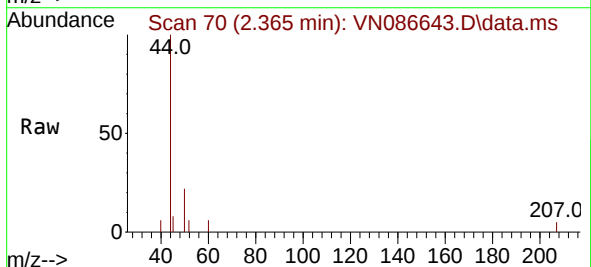
Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#05

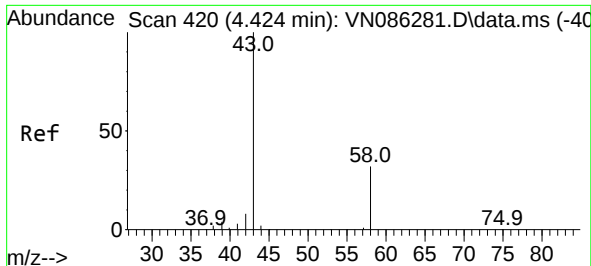
Tgt Ion:168 Resp: 213519
Ion Ratio Lower Upper
168 100
99 59.4 52.5 78.7



#3
Chloromethane
Concen: 0.255 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086643.D
Acq: 15 May 2025 14:23

Tgt Ion: 50 Resp: 937
Ion Ratio Lower Upper
50 100
52 26.6 26.5 39.7

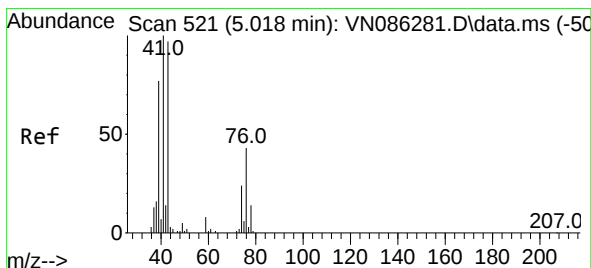
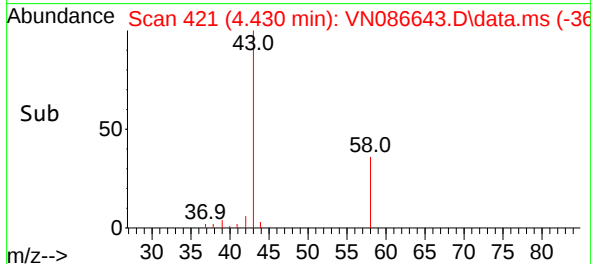
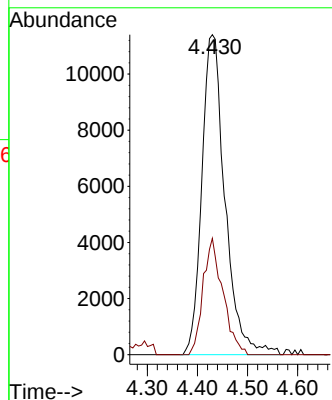
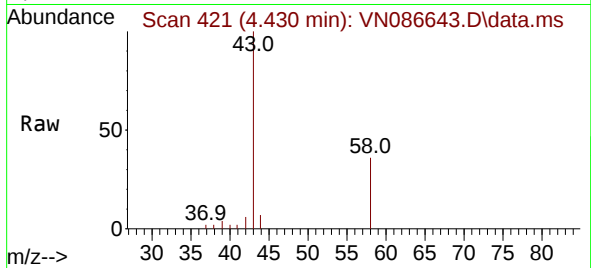




#16
Acetone
Concen: 29.116 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086643.D
Acq: 15 May 2025 14:23

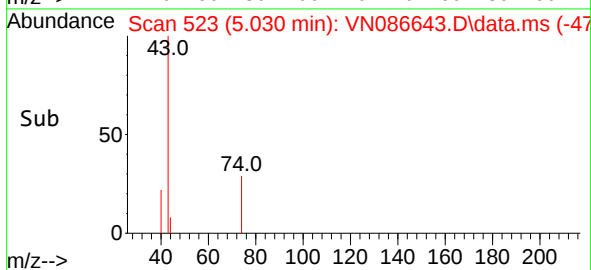
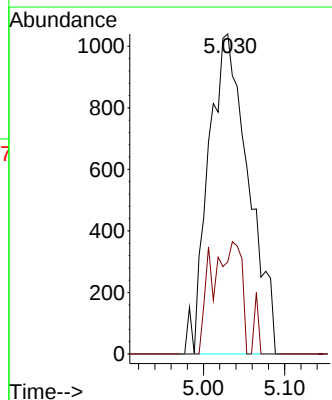
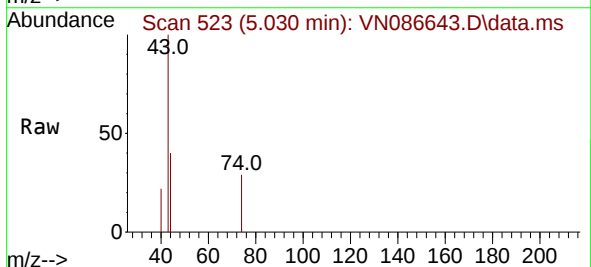
Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#05

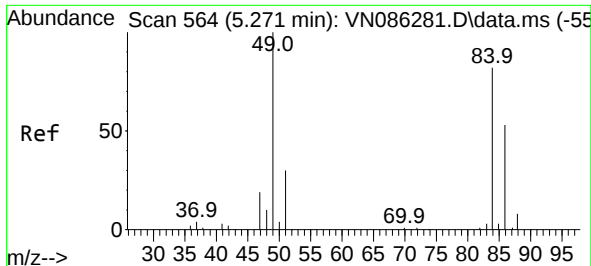
Tgt Ion: 43 Resp: 36566
Ion Ratio Lower Upper
43 100
58 36.3 25.3 37.9



#18
Methyl Acetate
Concen: 0.957 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN086643.D
Acq: 15 May 2025 14:23

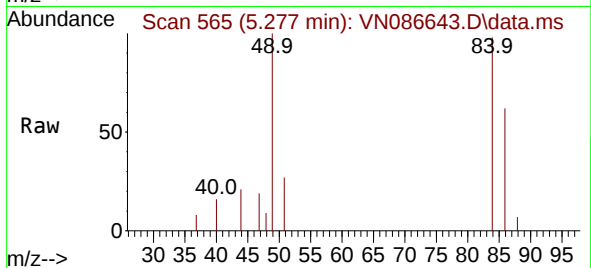
Tgt Ion: 43 Resp: 3556
Ion Ratio Lower Upper
43 100
74 13.2 19.8 29.6#



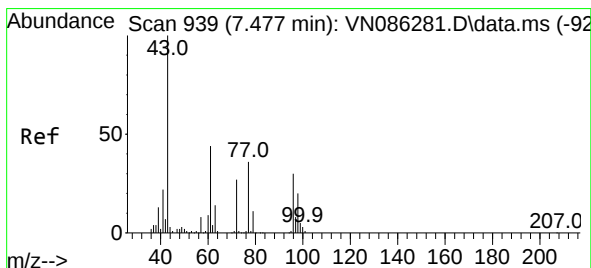
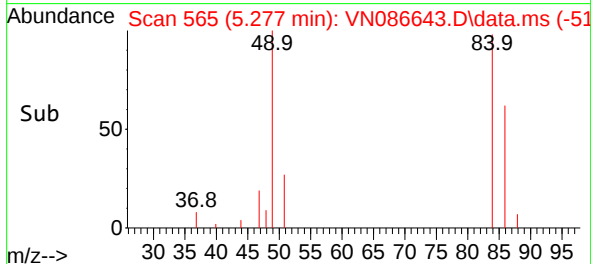
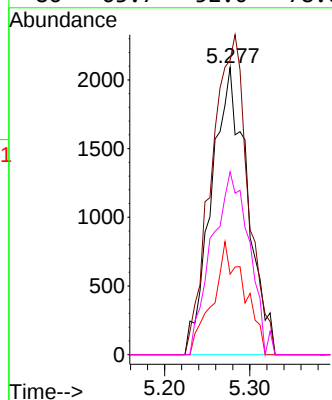


#20
Methylene Chloride
Concen: 2.144 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086643.D
Acq: 15 May 2025 14:23

Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#05

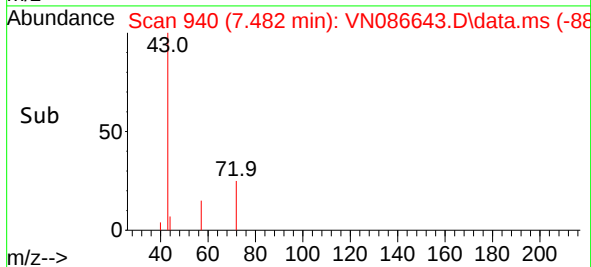
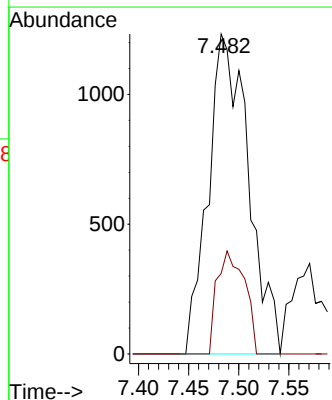
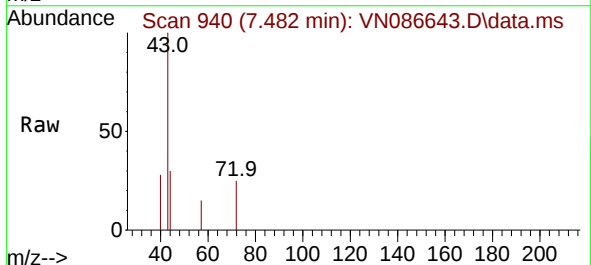


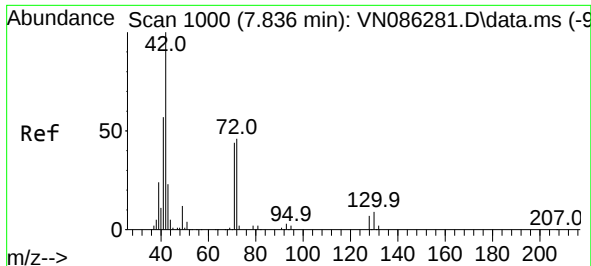
Tgt Ion: 84	Resp: 6136
Ion Ratio	Lower Upper
84 100	
49 102.5	98.2 147.2
51 28.0	29.8 44.6#
86 63.7	52.0 78.0



#25
2-Butanone
Concen: 1.788 ug/l
RT: 7.482 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN086643.D
Acq: 15 May 2025 14:23

Tgt Ion: 43	Resp: 3446
Ion Ratio	Lower Upper
43 100	
72 25.1	21.7 32.5





#29

Tetrahydrofuran

Concen: 0.456 ug/l

RT: 7.835 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN086643.D

Acq: 15 May 2025 14:23

Instrument :

MSVOA_N

ClientSampleId :

PB167995ZHE#05

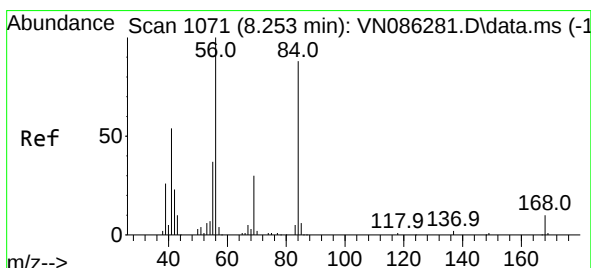
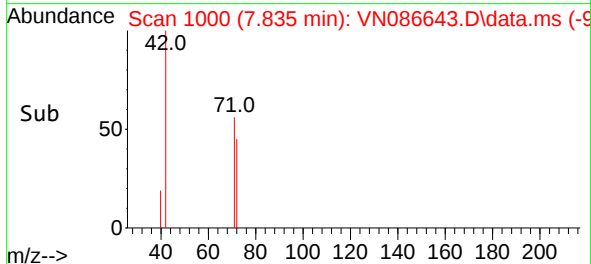
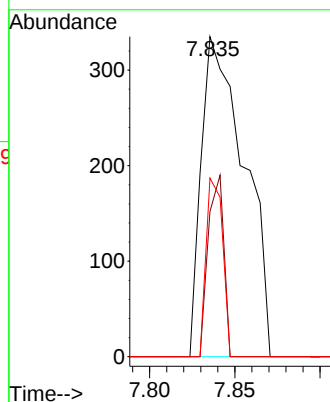
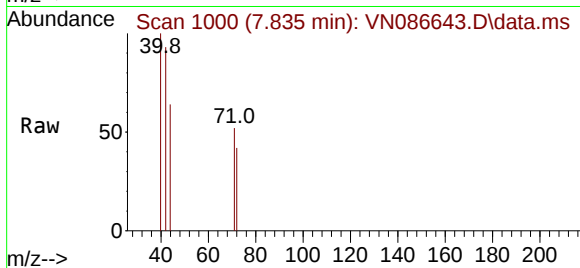
Tgt Ion: 42 Resp: 588

Ion Ratio Lower Upper

42 100

72 20.6 36.2 54.4#

71 21.3 34.0 51.0#



#31

Cyclohexane

Concen: 0.858 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.030 min

Lab File: VN086643.D

Acq: 15 May 2025 14:23

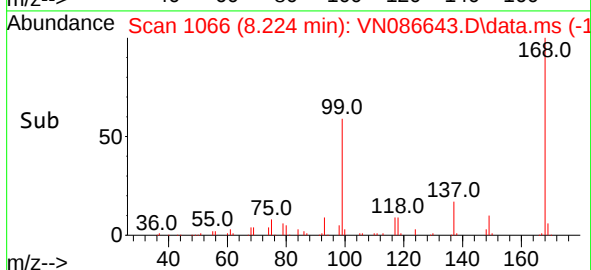
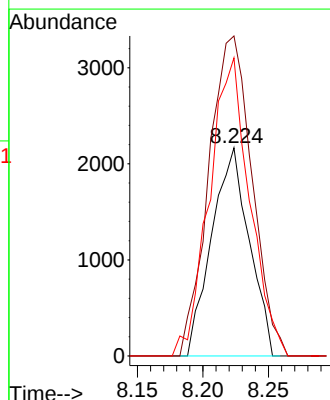
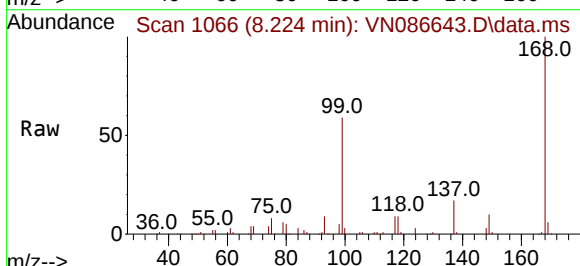
Tgt Ion: 56 Resp: 4307

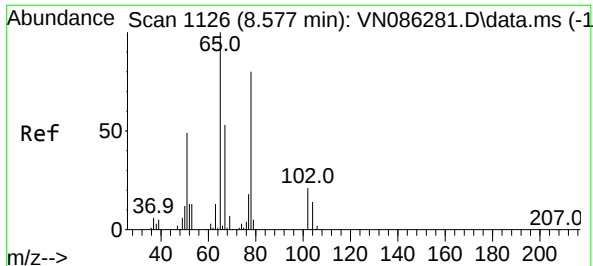
Ion Ratio Lower Upper

56 100

69 153.7 24.2 36.2#

84 135.3 70.3 105.5#





#33

1,2-Dichloroethane-d4

Concen: 46.054 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086643.D

Acq: 15 May 2025 14:23

Instrument :

MSVOA_N

ClientSampleId :

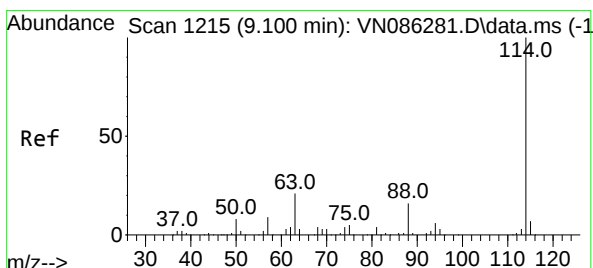
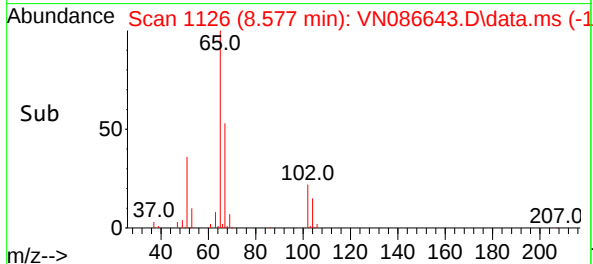
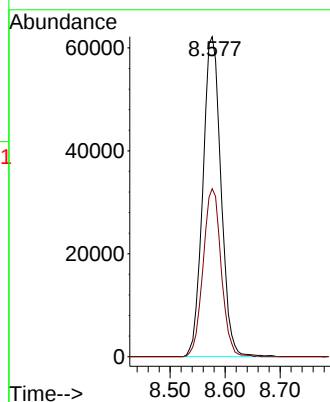
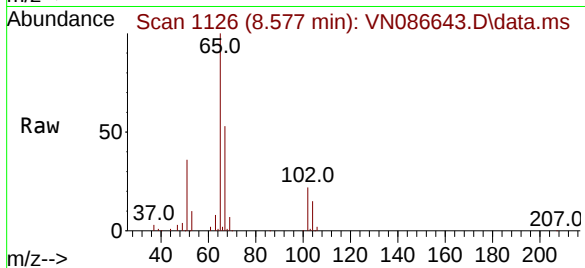
PB167995ZHE#05

Tgt Ion: 65 Resp: 142593

Ion Ratio Lower Upper

65 100

67 52.3 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086643.D

Acq: 15 May 2025 14:23

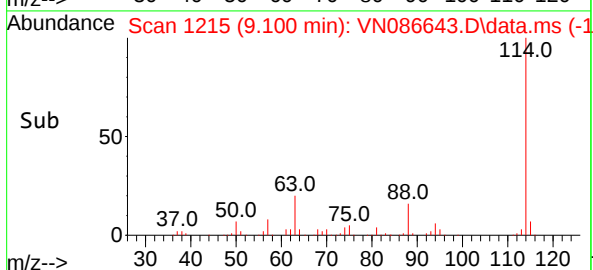
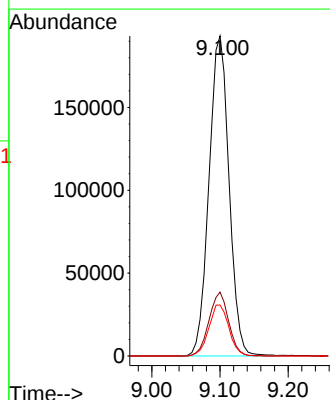
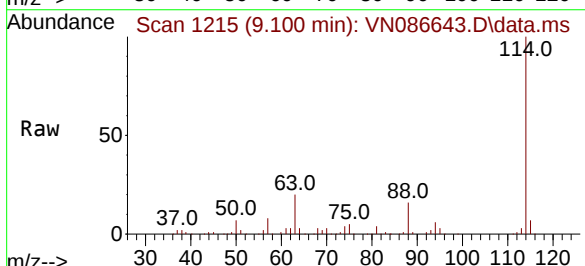
Tgt Ion: 114 Resp: 395528

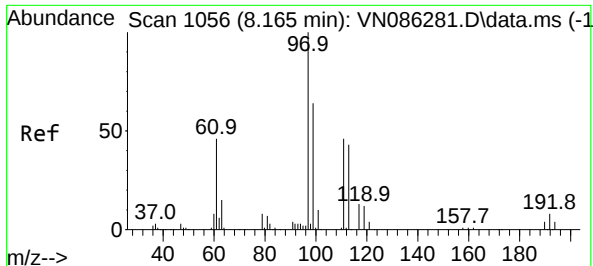
Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.6

88 15.9 0.0 31.8





#35

Dibromofluoromethane

Concen: 63.734 ug/l

RT: 8.165 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086643.D

Acq: 15 May 2025 14:23

Instrument :

MSVOA_N

ClientSampleId :

PB167995ZHE#05

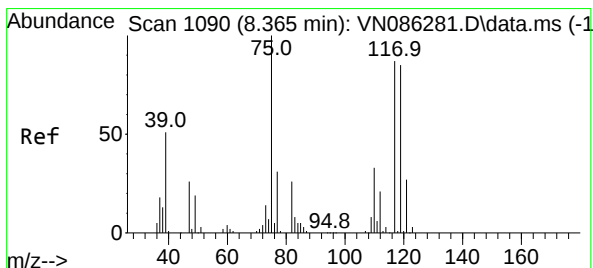
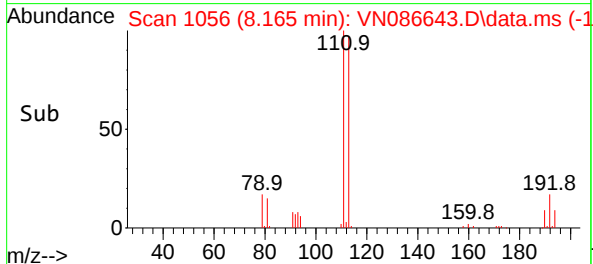
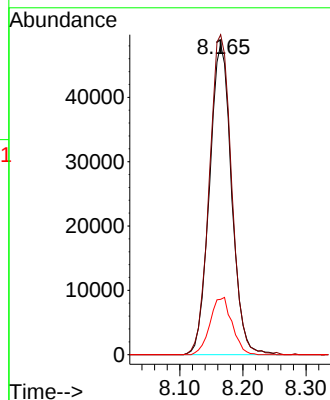
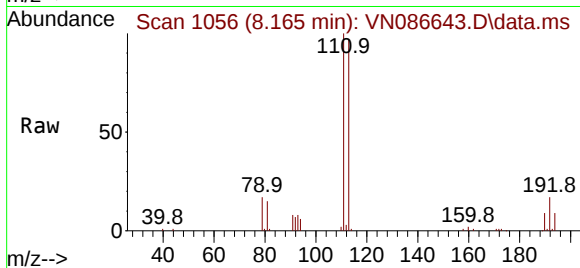
Tgt Ion:113 Resp: 116996

Ion Ratio Lower Upper

113 100

111 104.2 83.4 125.0

192 18.4 13.7 20.5



#36

1,1-Dichloropropene

Concen: 4.563 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN086643.D

Acq: 15 May 2025 14:23

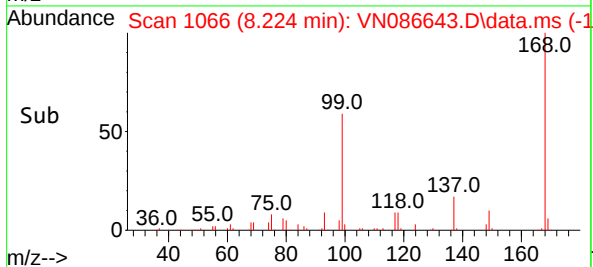
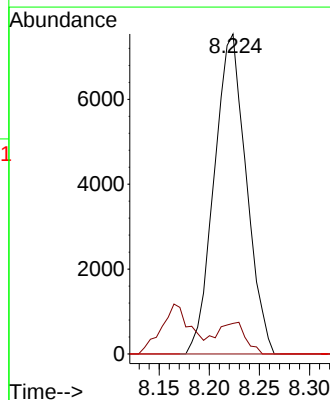
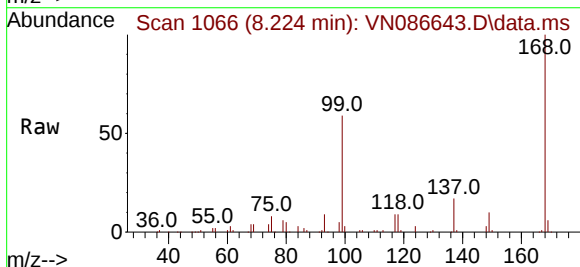
Tgt Ion: 75 Resp: 16730

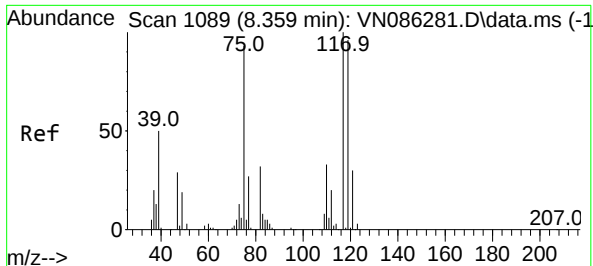
Ion Ratio Lower Upper

75 100

110 7.5 16.8 50.4#

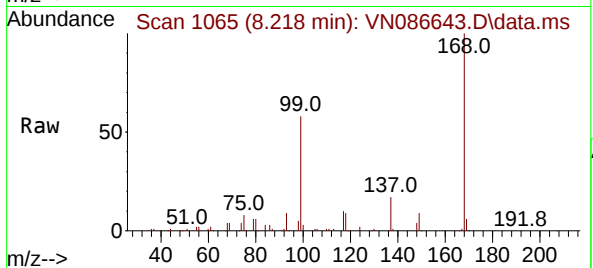
77 0.0 24.9 37.3#



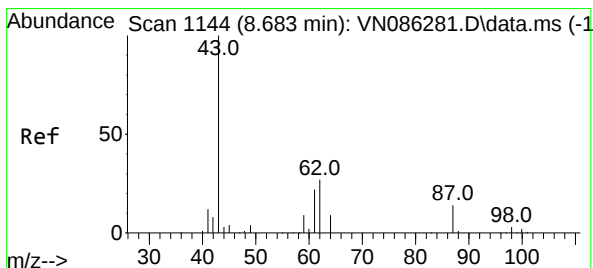
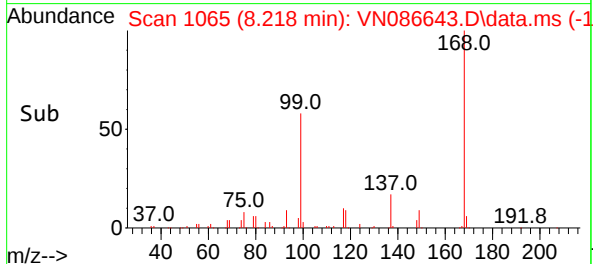
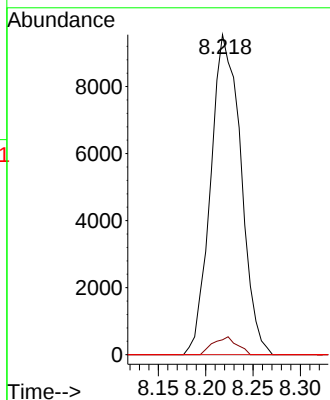


#38
Carbon Tetrachloride
Concen: 6.086 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN086643.D
Acq: 15 May 2025 14:23

Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#05

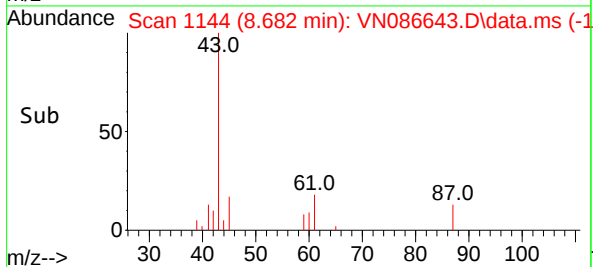
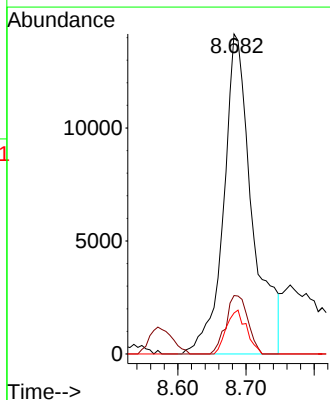
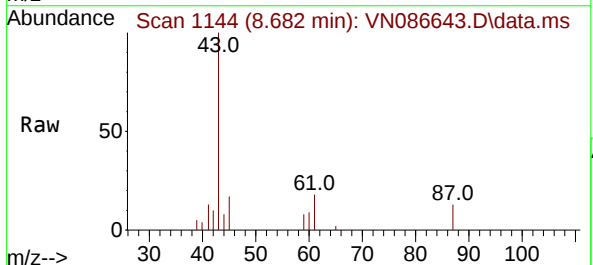


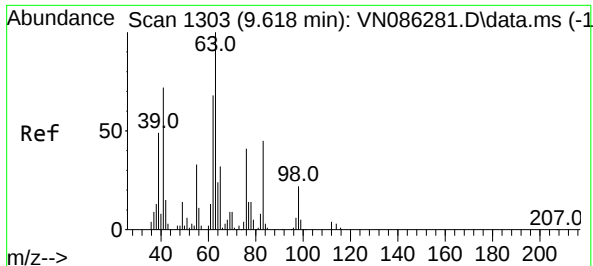
Tgt Ion:117 Resp: 21250
Ion Ratio Lower Upper
117 100
119 4.7 76.8 115.2#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: 4.154 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.001 min
Lab File: VN086643.D
Acq: 15 May 2025 14:23

Tgt Ion: 43 Resp: 41177
Ion Ratio Lower Upper
43 100
61 14.1 20.5 30.7#
87 9.7 10.5 15.7#





#45

1,2-Dichloropropane

Concen: 0.453 ug/l

RT: 9.735 min Scan# 1302

Delta R.T. 0.117 min

Lab File: VN086643.D

Acq: 15 May 2025 14:23

Instrument :

MSVOA_N

ClientSampleId :

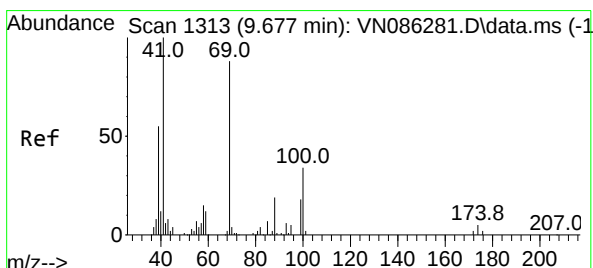
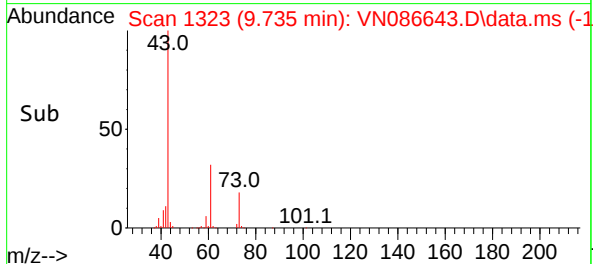
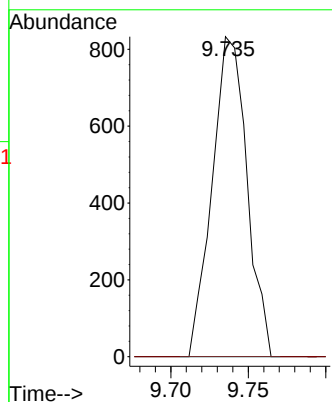
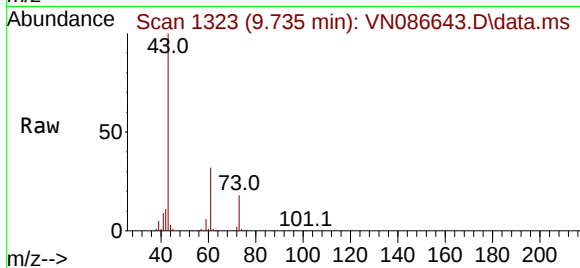
PB167995ZHE#05

Tgt Ion: 63 Resp: 1302

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.2#



#48

Methyl methacrylate

Concen: 24.655 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.065 min

Lab File: VN086643.D

Acq: 15 May 2025 14:23

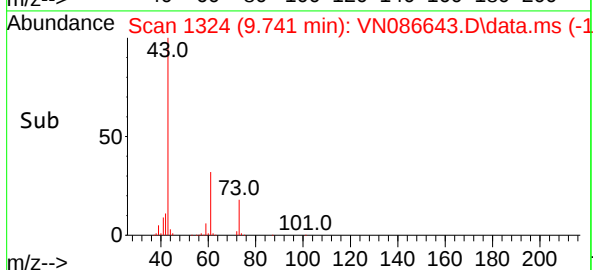
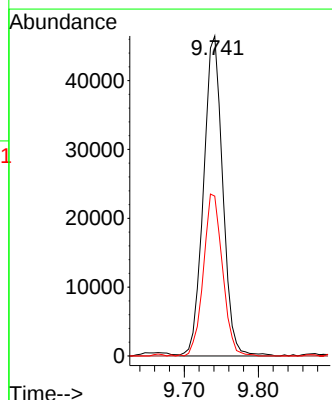
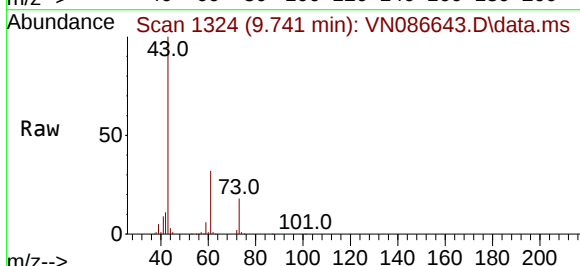
Tgt Ion: 41 Resp: 83577

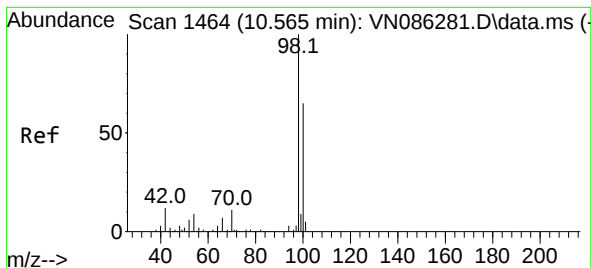
Ion Ratio Lower Upper

41 100

69 0.0 68.2 102.2#

39 50.5 45.2 67.8

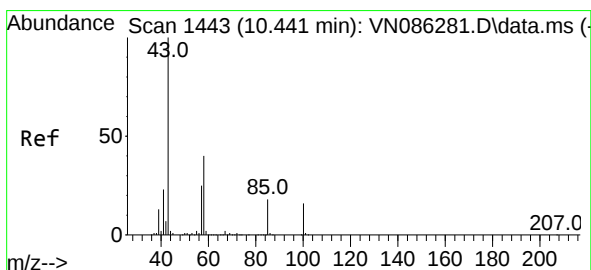
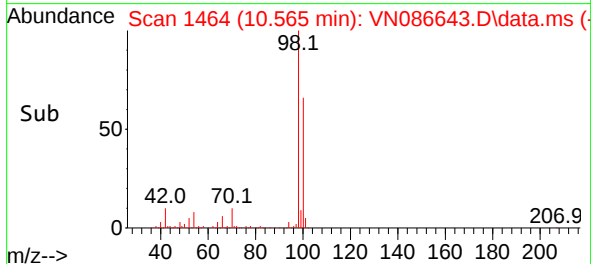
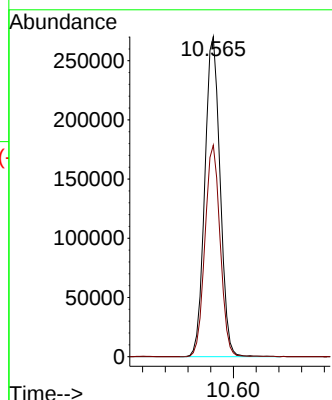
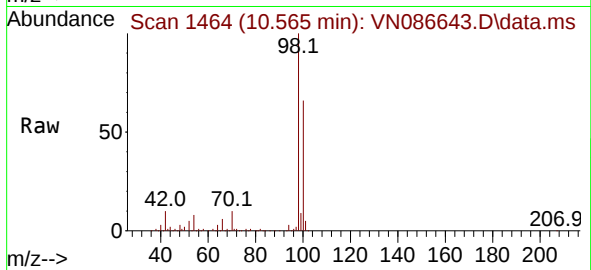




#50
Toluene-d8
Concen: 51.238 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086643.D
Acq: 15 May 2025 14:23

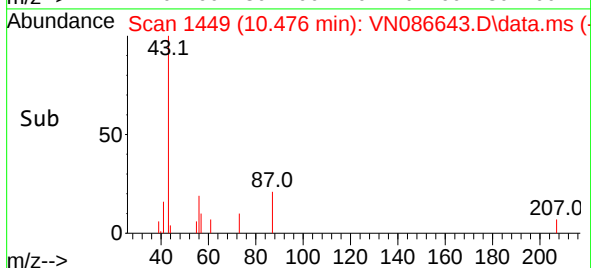
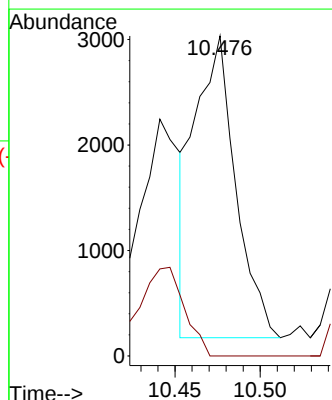
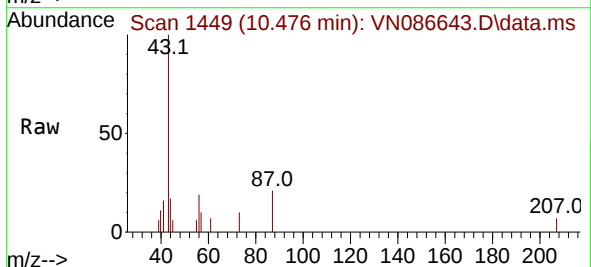
Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#05

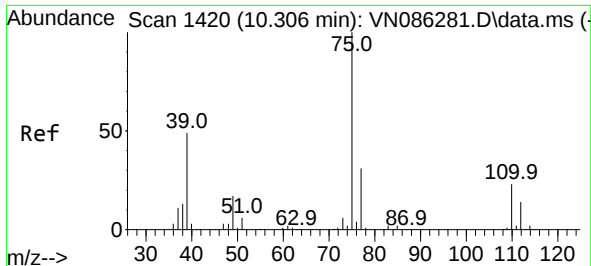
Tgt Ion: 98 Resp: 502690
Ion Ratio Lower Upper
98 100
100 65.8 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.213 ug/l
RT: 10.476 min Scan# 1449
Delta R.T. 0.035 min
Lab File: VN086643.D
Acq: 15 May 2025 14:23

Tgt Ion: 43 Resp: 4796
Ion Ratio Lower Upper
43 100
58 0.0 32.2 48.4#

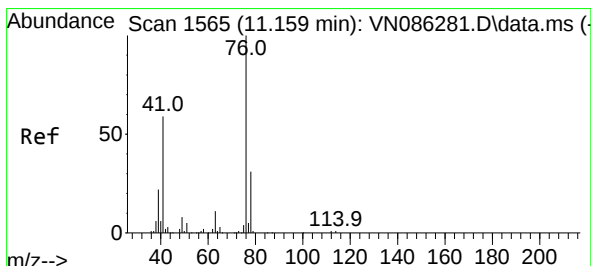
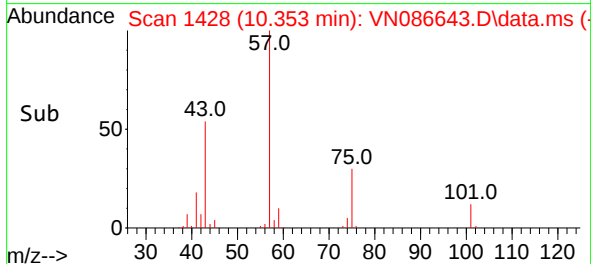
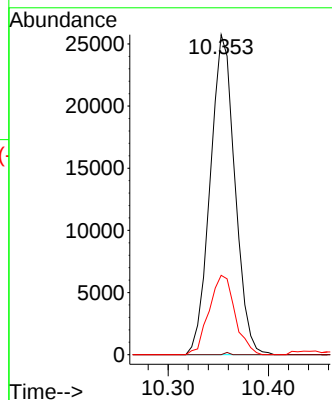
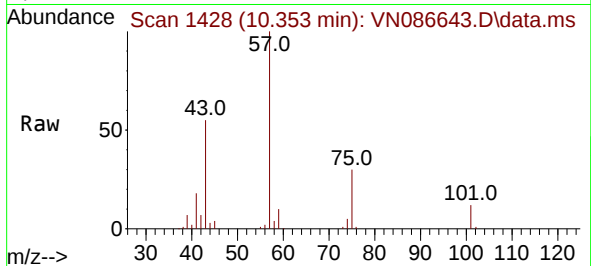




#54
 cis-1,3-Dichloropropene
 Concen: 9.053 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN086643.D
 Acq: 15 May 2025 14:23

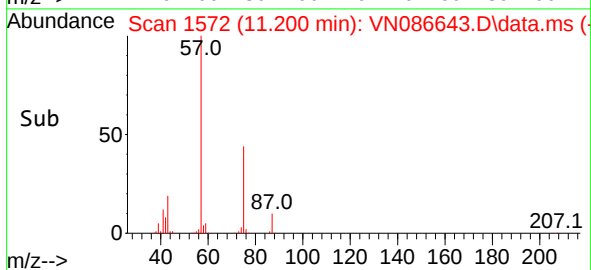
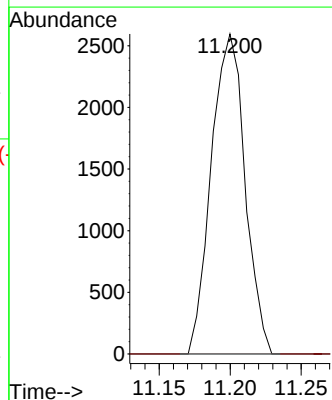
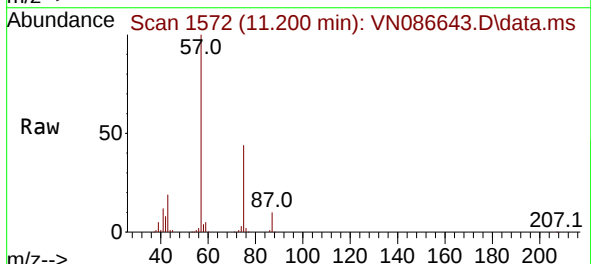
Instrument :
 MSVOA_N
 ClientSampleId :
 PB167995ZHE#05

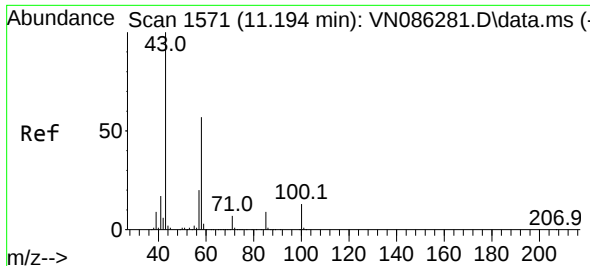
Tgt Ion: 75 Resp: 43920
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.2 37.8#
 39 24.8 39.3 58.9#



#57
 1,3-Dichloropropane
 Concen: 0.917 ug/l
 RT: 11.200 min Scan# 1572
 Delta R.T. 0.041 min
 Lab File: VN086643.D
 Acq: 15 May 2025 14:23

Tgt Ion: 76 Resp: 4291
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#

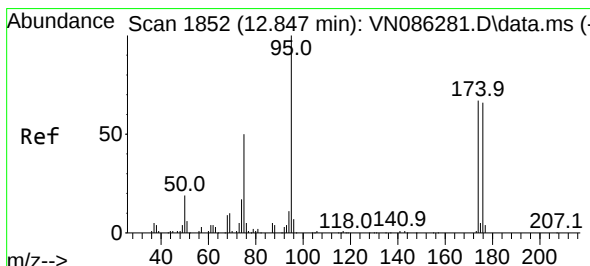
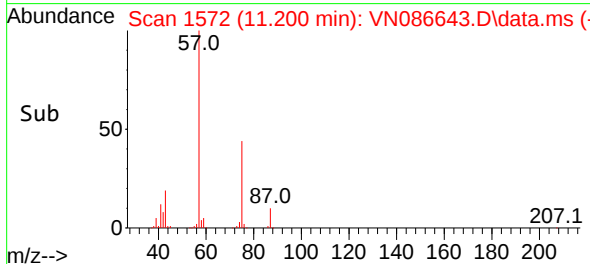
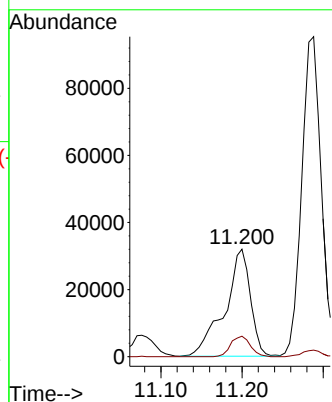
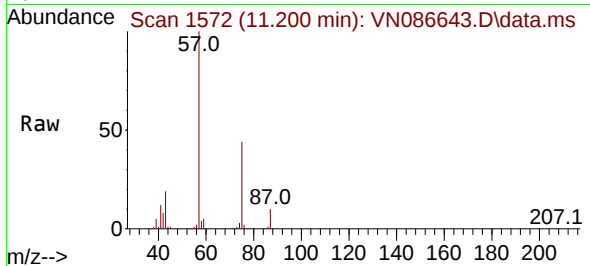




#59
2-Hexanone
Concen: 23.896 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086643.D
Acq: 15 May 2025 14:23

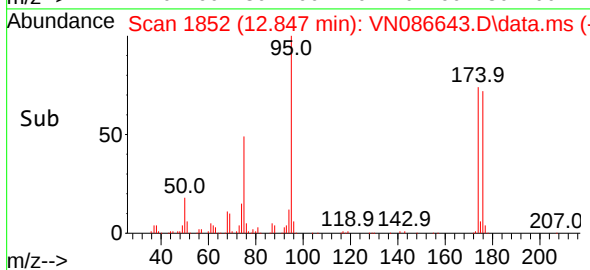
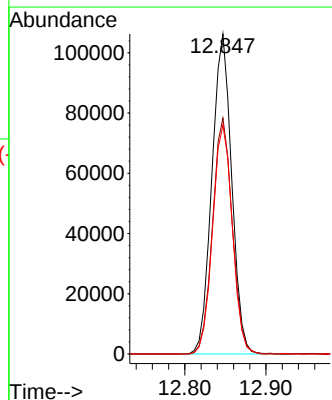
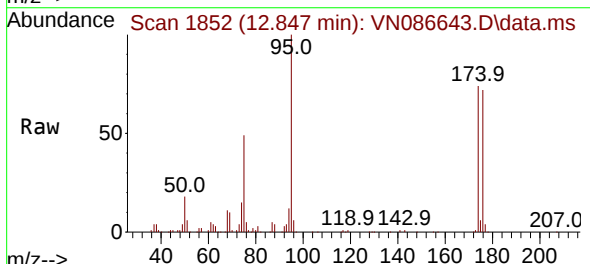
Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#05

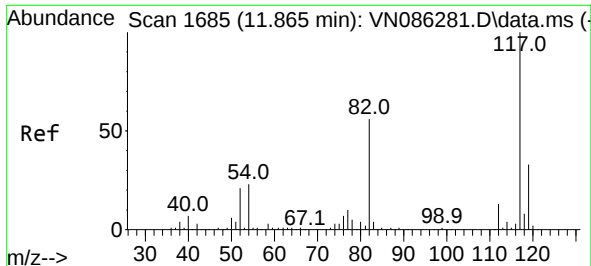
Tgt Ion: 43 Resp: 70060
Ion Ratio Lower Upper
43 100
58 14.7 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: 50.175 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086643.D
Acq: 15 May 2025 14:23

Tgt Ion: 95 Resp: 179546
Ion Ratio Lower Upper
95 100
174 73.7 0.0 133.4
176 71.2 0.0 129.2

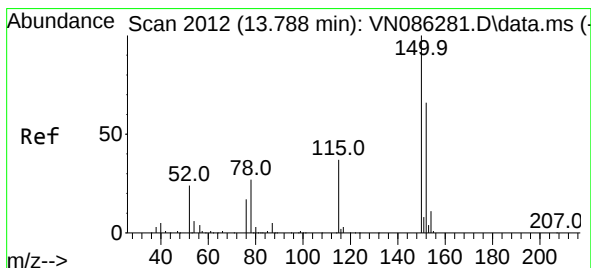
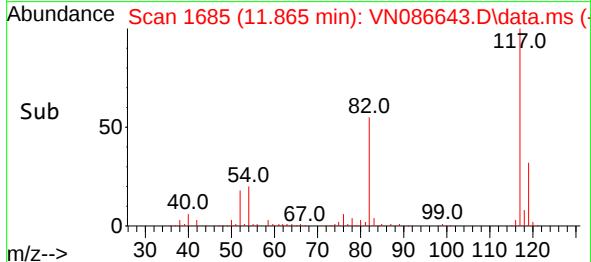
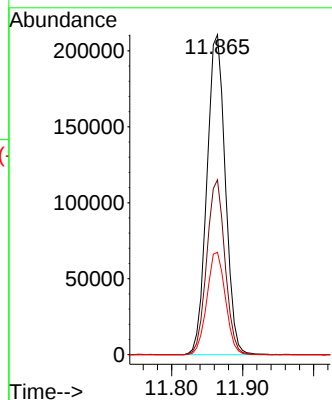
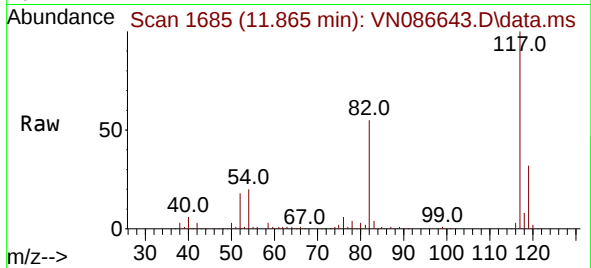




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086643.D
Acq: 15 May 2025 14:23

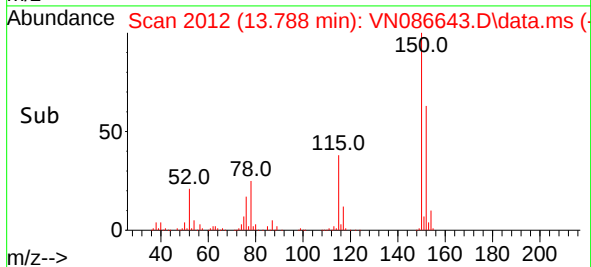
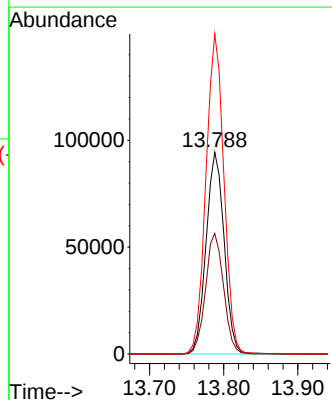
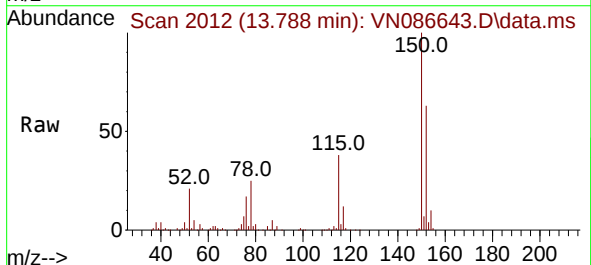
Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#05

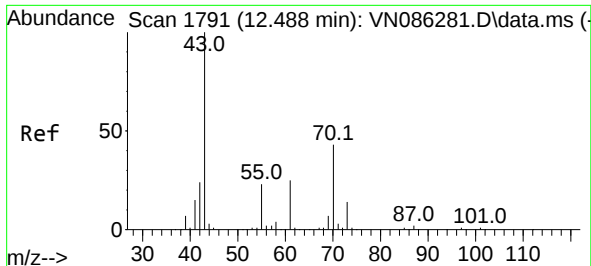
Tgt Ion:117 Resp: 379438
Ion Ratio Lower Upper
117 100
82 54.7 44.7 67.1
119 32.0 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086643.D
Acq: 15 May 2025 14:23

Tgt Ion:152 Resp: 159658
Ion Ratio Lower Upper
152 100
115 59.7 31.9 95.9
150 157.9 0.0 352.0

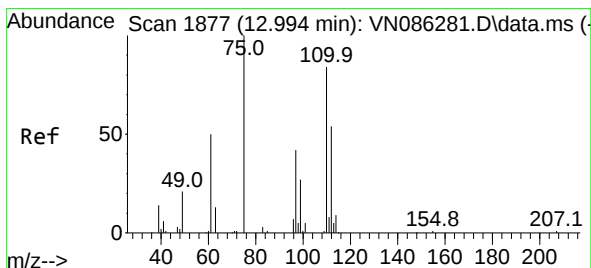
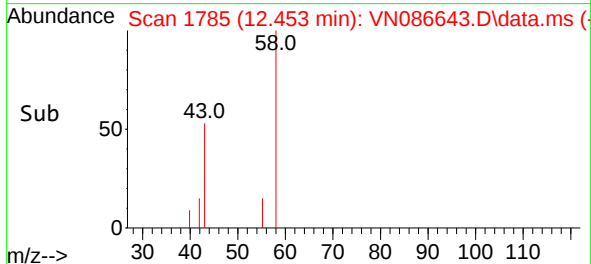
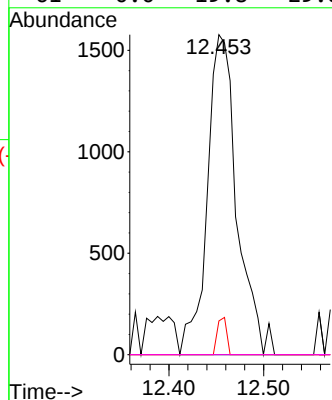
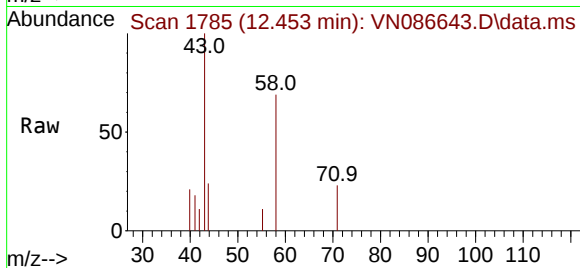




#74
N-amy1 acetate
Concen: 0.529 ug/l
RT: 12.453 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN086643.D
Acq: 15 May 2025 14:23

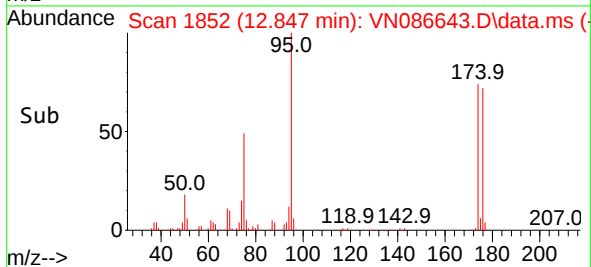
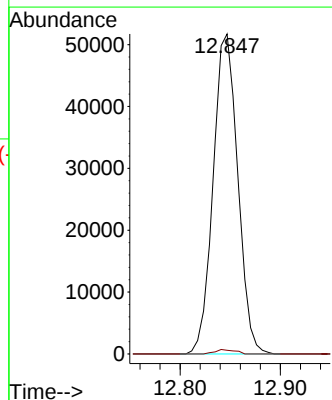
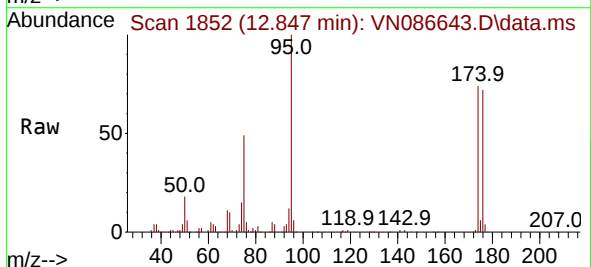
Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#05

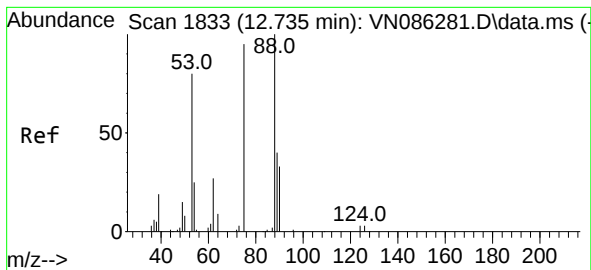
Tgt Ion: 43	Resp: 3440
Ion Ratio	Lower Upper
43 100	
70 0.0	35.0 52.4#
55 3.6	19.0 28.4#
61 0.0	19.8 29.8#



#76
1,2,3-Trichloropropane
Concen: 23.413 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086643.D
Acq: 15 May 2025 14:23

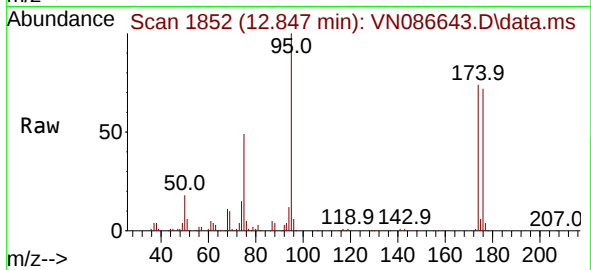
Tgt Ion: 75	Resp:	88212	
Ion Ratio	Lower	Upper	
75 100			
77 1.1	98.8	296.4#	





#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.229 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN086643.D
 Acq: 15 May 2025 14:23

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167995ZHE#05



Tgt Ion: 75 Resp: 88212
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.2 118.8#
 89 0.0 35.7 53.5#

