

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033125\
 Data File : VN086179.D
 Acq On : 31 Mar 2025 19:03
 Operator : JC\MD
 Sample : PB167374ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167374ZHE#03

Quant Time: Apr 01 01:39:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

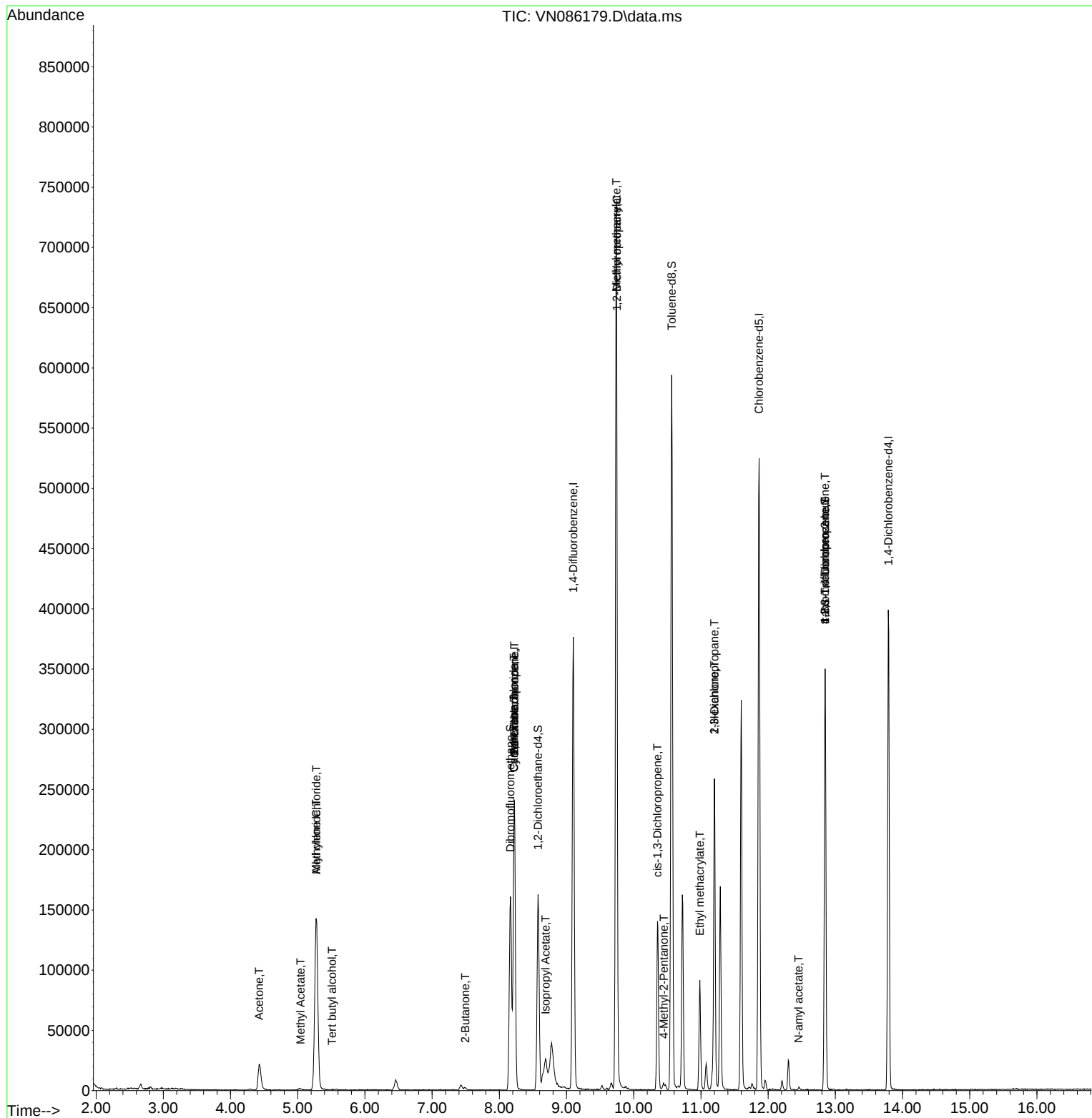
Internal Standards						
1) Pentafluorobenzene	8.224	168	174455	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	332835	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	320068	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	116168	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	132301	55.382	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.760%			
35) Dibromofluoromethane	8.165	113	118202	50.880	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.760%			
50) Toluene-d8	10.565	98	432568	51.304	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.600%			
62) 4-Bromofluorobenzene	12.847	95	122878	40.865	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 81.740%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.512	59	332	0.982	ug/l #	73
14) Allyl chloride	5.277	41	3029	1.358	ug/l #	20
16) Acetone	4.424	43	41525	56.897	ug/l	95
18) Methyl Acetate	5.042	43	2486	1.377	ug/l #	80
20) Methylene Chloride	5.277	84	123525	57.856	ug/l	98
25) 2-Butanone	7.494	43	3803	3.611	ug/l #	80
31) Cyclohexane	8.218	56	3369	1.132	ug/l #	3
36) 1,1-Dichloropropene	8.224	75	14008	4.579	ug/l #	49
38) Carbon Tetrachloride	8.218	117	18045	4.486	ug/l #	18
43) Isopropyl Acetate	8.688	43	35697	6.383	ug/l #	65
45) 1,2-Dichloropropane	9.747	63	1021	0.467	ug/l #	44
48) Methyl methacrylate	9.741	41	63935	34.646	ug/l #	32
51) 4-Methyl-2-Pentanone	10.447	43	3026	1.227	ug/l	96
54) cis-1,3-Dichloropropene	10.353	75	26112	7.099	ug/l #	67
56) Ethyl methacrylate	10.982	69	996	0.539	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	2899	0.759	ug/l #	42
59) 2-Hexanone	11.200	43	40304	22.432	ug/l #	43
74) N-amyl acetate	12.453	43	1916	0.722	ug/l #	35
76) 1,2,3-Trichloropropane	12.847	75	60374	23.214	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	60374	61.373	ug/l #	16

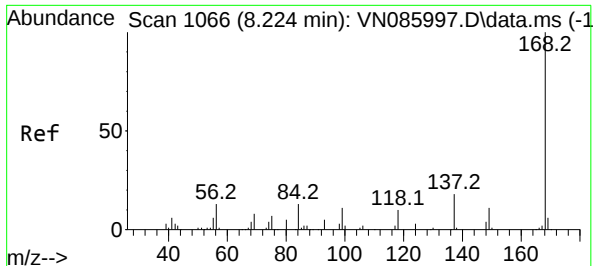
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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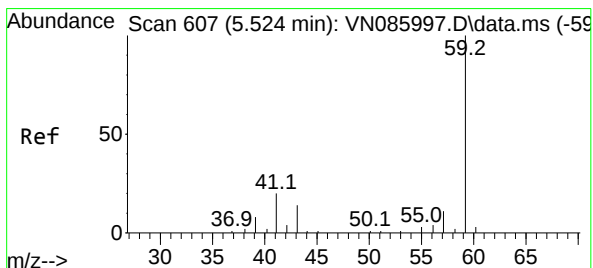
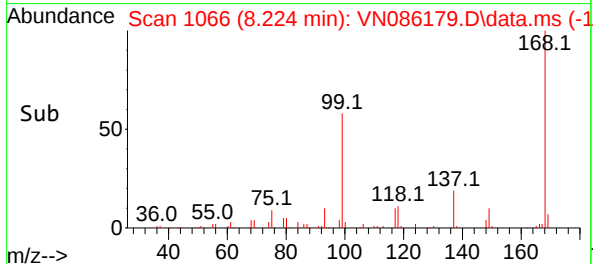
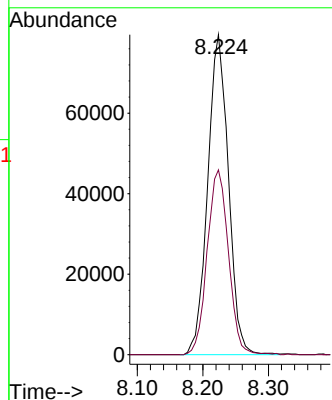
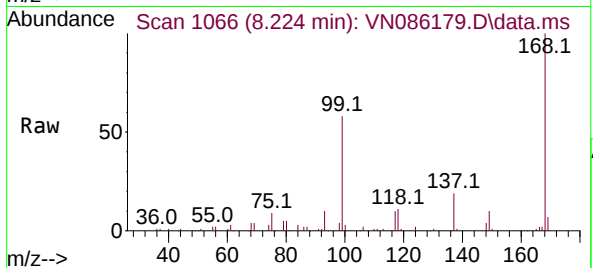




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086179.D
Acq: 31 Mar 2025 19:03

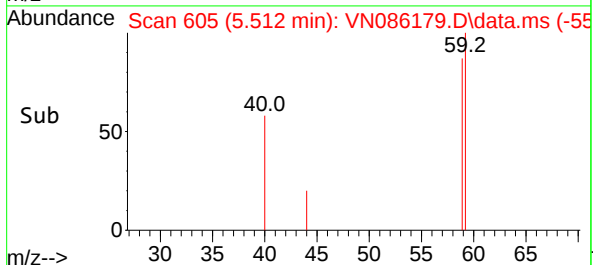
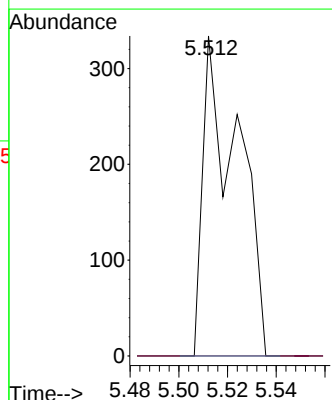
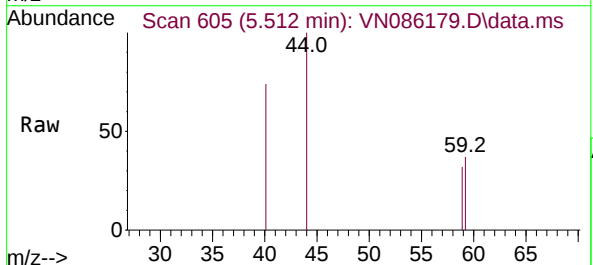
Instrument :
MSVOA_N
ClientSampleId :
PB167374ZHE#03

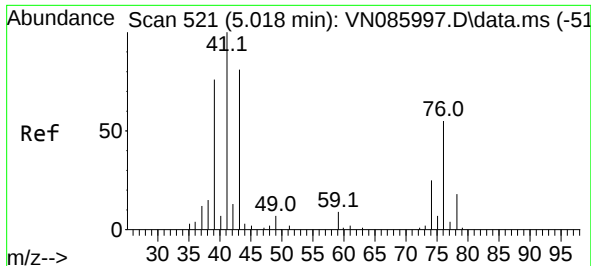
Tgt Ion:168 Resp: 174455
Ion Ratio Lower Upper
168 100
99 57.7 49.4 74.2



#11
Tert butyl alcohol
Concen: 0.982 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.012 min
Lab File: VN086179.D
Acq: 31 Mar 2025 19:03

Tgt Ion: 59 Resp: 332
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

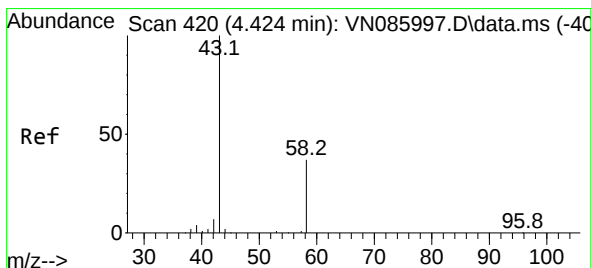
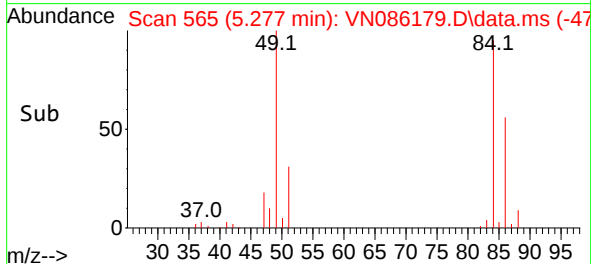
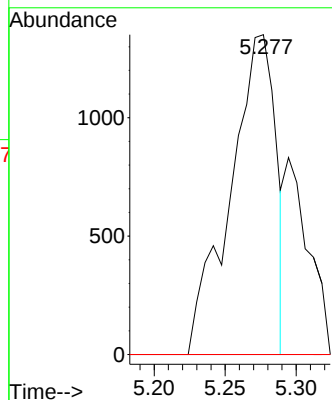
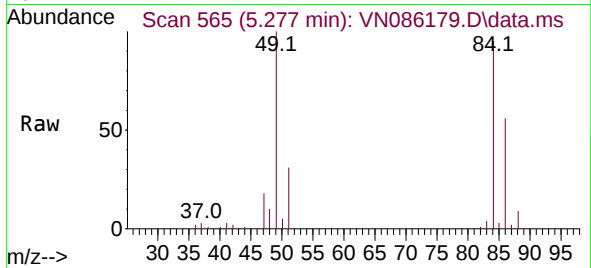




#14
 Allyl chloride
 Concen: 1.358 ug/l
 RT: 5.277 min Scan# 501
 Delta R.T. 0.259 min
 Lab File: VN086179.D
 Acq: 31 Mar 2025 19:03

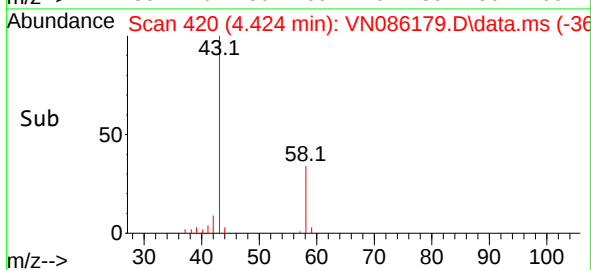
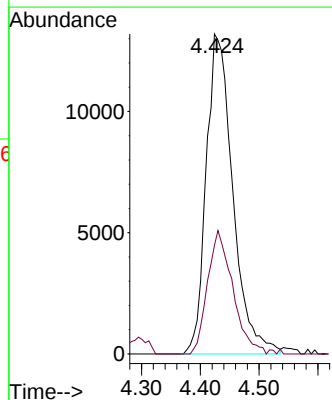
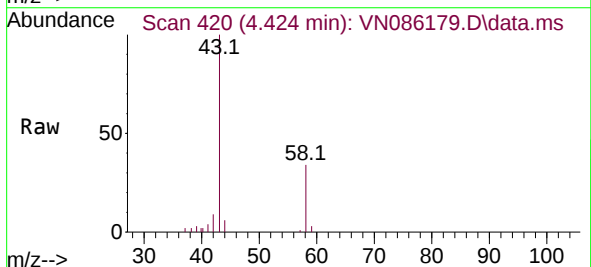
Instrument :
 MSVOA_N
 ClientSampleId :
 PB167374ZHE#03

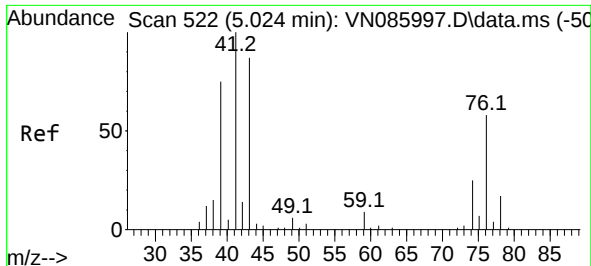
Tgt Ion: 41 Resp: 3029
 Ion Ratio Lower Upper
 41 100
 39 0.0 55.5 83.3#
 76 0.0 39.1 58.7#



#16
 Acetone
 Concen: 56.897 ug/l
 RT: 4.424 min Scan# 420
 Delta R.T. -0.000 min
 Lab File: VN086179.D
 Acq: 31 Mar 2025 19:03

Tgt Ion: 43 Resp: 41525
 Ion Ratio Lower Upper
 43 100
 58 34.0 29.4 44.2

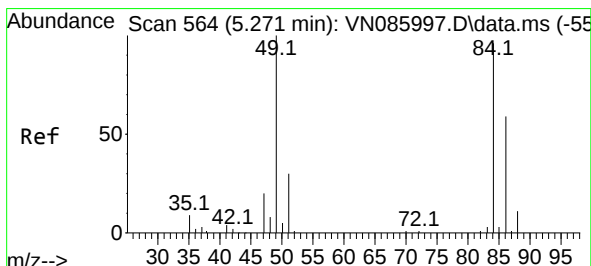
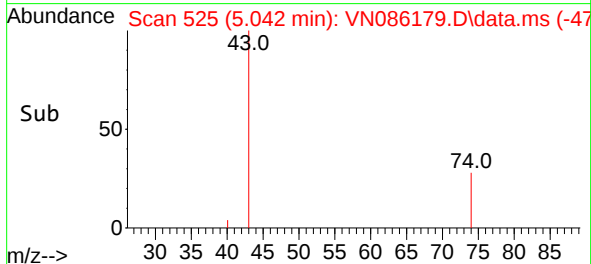
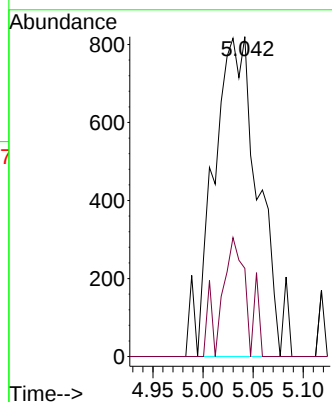
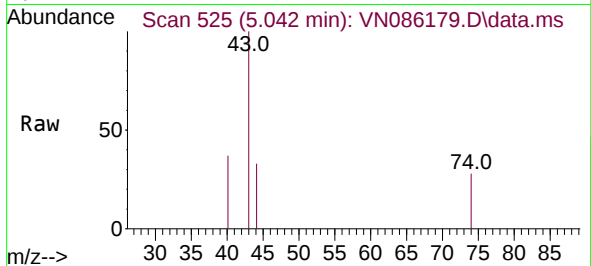




#18
Methyl Acetate
Concen: 1.377 ug/l
RT: 5.042 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN086179.D
Acq: 31 Mar 2025 19:03

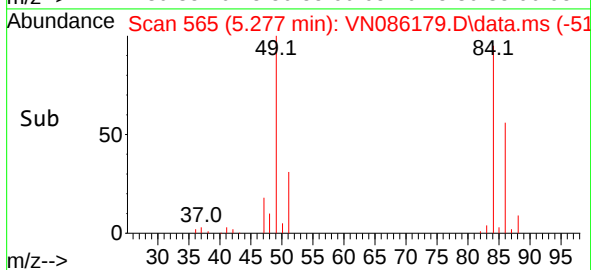
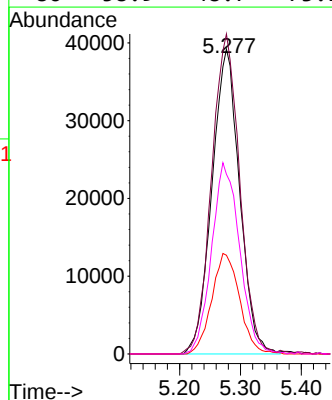
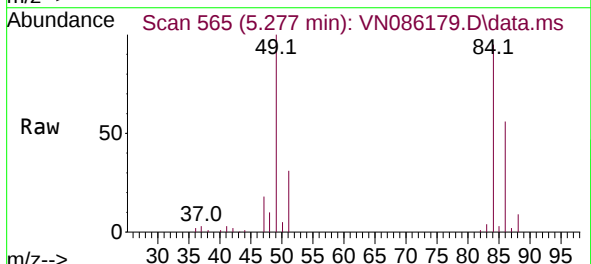
Instrument :
MSVOA_N
ClientSampleId :
PB167374ZHE#03

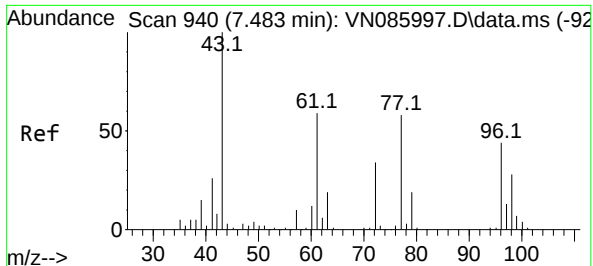
Tgt Ion: 43 Resp: 2486
Ion Ratio Lower Upper
43 100
74 19.3 23.9 35.9#



#20
Methylene Chloride
Concen: 57.856 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086179.D
Acq: 31 Mar 2025 19:03

Tgt Ion: 84 Resp: 123525
Ion Ratio Lower Upper
84 100
49 105.0 83.3 124.9
51 32.4 24.8 37.2
86 58.9 48.7 73.1

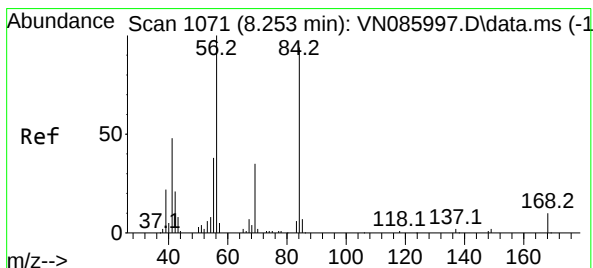
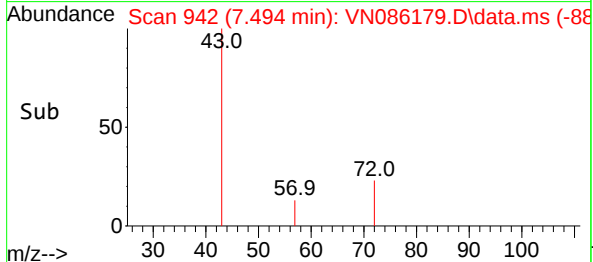
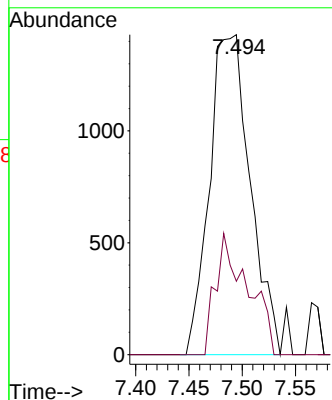
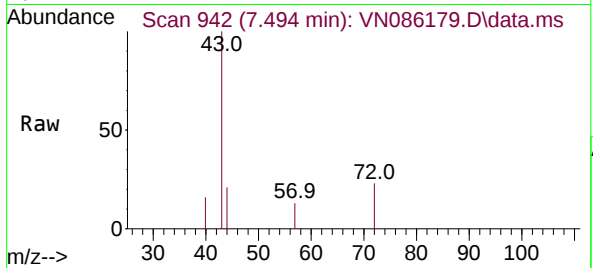




#25
2-Butanone
Concen: 3.611 ug/l
RT: 7.494 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN086179.D
Acq: 31 Mar 2025 19:03

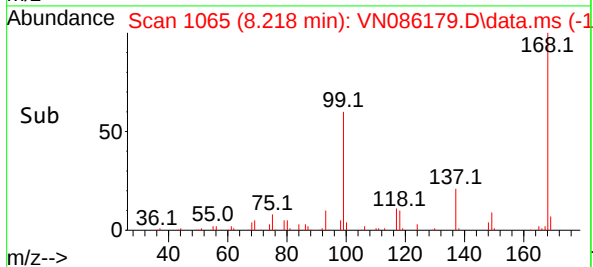
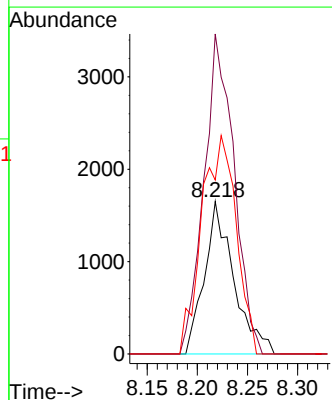
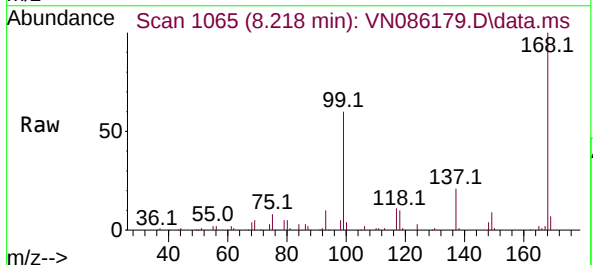
Instrument :
MSVOA_N
ClientSampleId :
PB167374ZHE#03

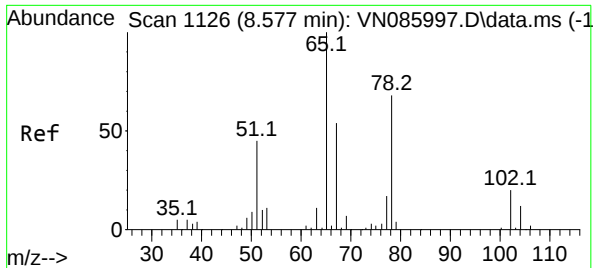
Tgt Ion: 43 Resp: 3803
Ion Ratio Lower Upper
43 100
72 22.9 27.4 41.0#



#31
Cyclohexane
Concen: 1.132 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086179.D
Acq: 31 Mar 2025 19:03

Tgt Ion: 56 Resp: 3369
Ion Ratio Lower Upper
56 100
69 209.9 28.0 42.0#
84 114.1 75.0 112.6#





#33

1,2-Dichloroethane-d4

Concen: 55.382 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086179.D

Acq: 31 Mar 2025 19:03

Instrument :

MSVOA_N

ClientSampleId :

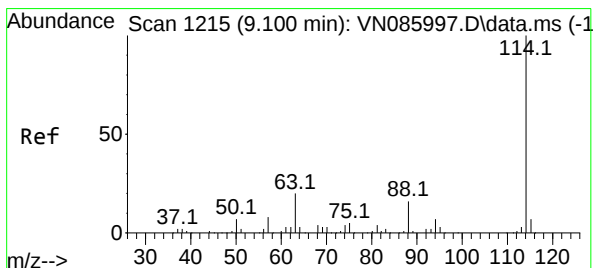
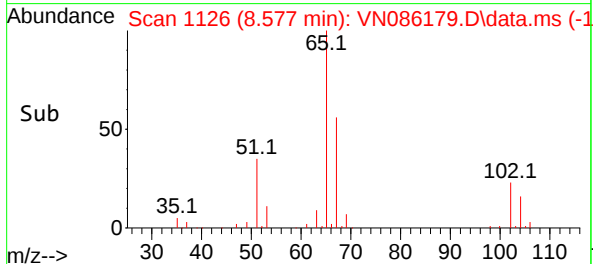
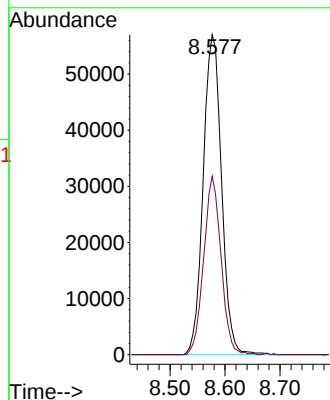
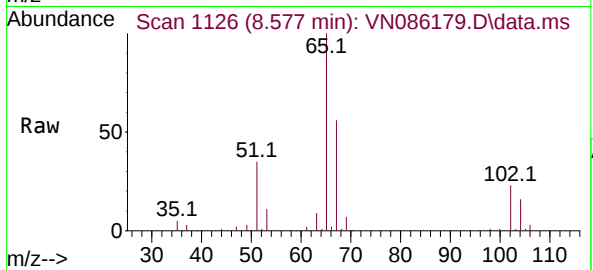
PB167374ZHE#03

Tgt Ion: 65 Resp: 132301

Ion Ratio Lower Upper

65 100

67 52.7 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086179.D

Acq: 31 Mar 2025 19:03

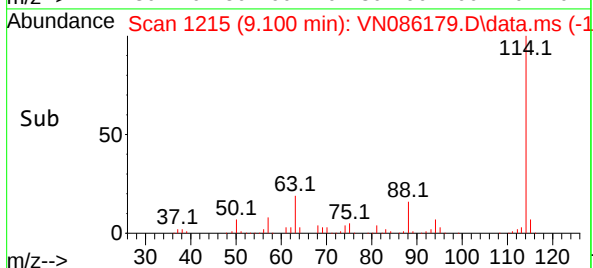
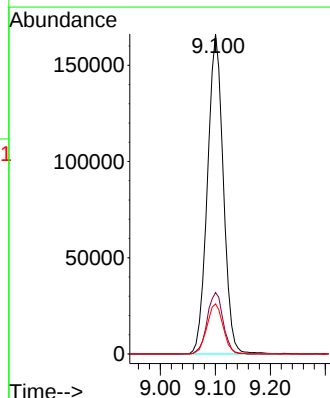
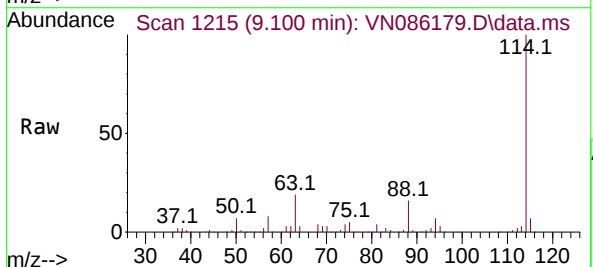
Tgt Ion: 114 Resp: 332835

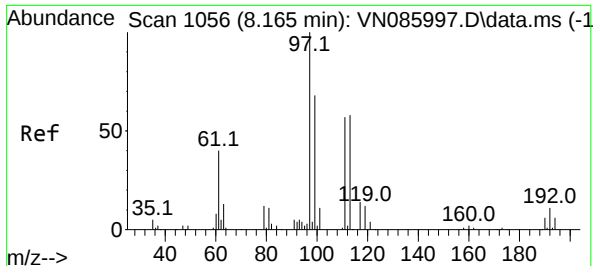
Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.6

88 15.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.880 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086179.D

Acq: 31 Mar 2025 19:03

Instrument :

MSVOA_N

ClientSampleId :

PB167374ZHE#03

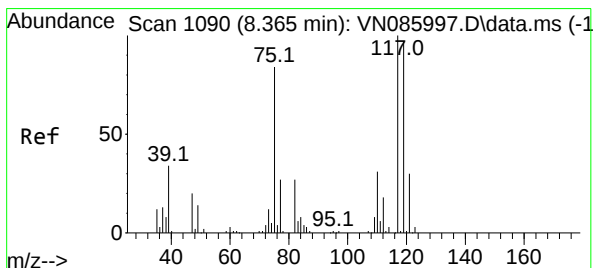
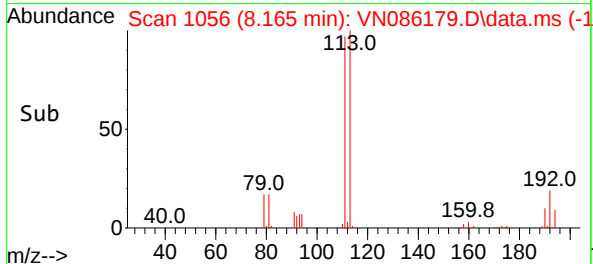
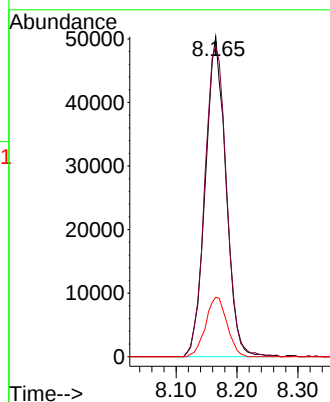
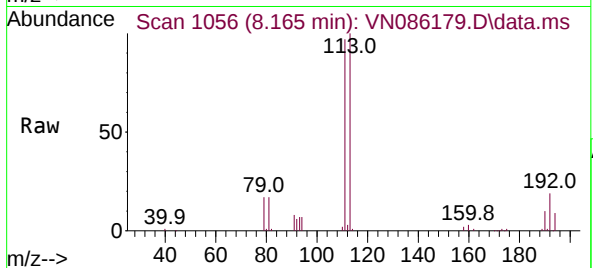
Tgt Ion:113 Resp: 118202

Ion Ratio Lower Upper

113 100

111 102.6 81.8 122.8

192 19.3 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.579 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN086179.D

Acq: 31 Mar 2025 19:03

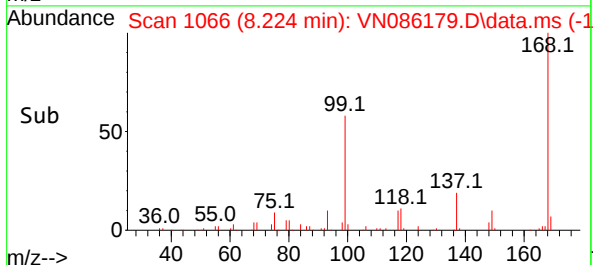
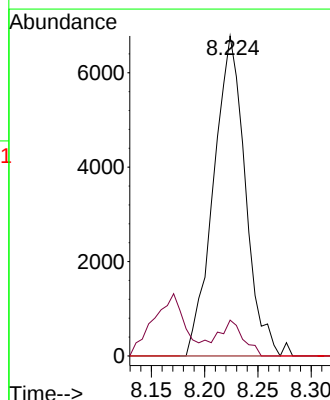
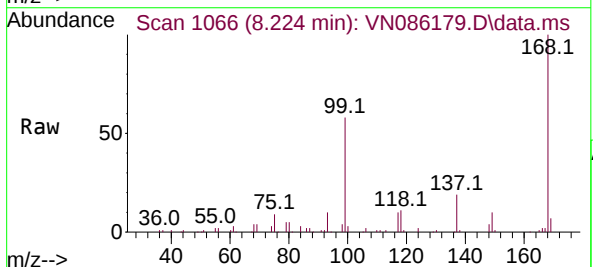
Tgt Ion: 75 Resp: 14008

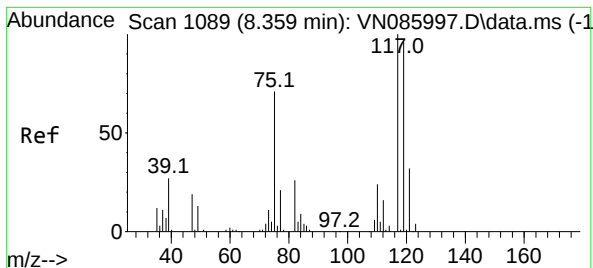
Ion Ratio Lower Upper

75 100

110 8.1 17.8 53.3#

77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 4.486 ug/l

RT: 8.218 min Scan# 110

Delta R.T. -0.141 min

Lab File: VN086179.D

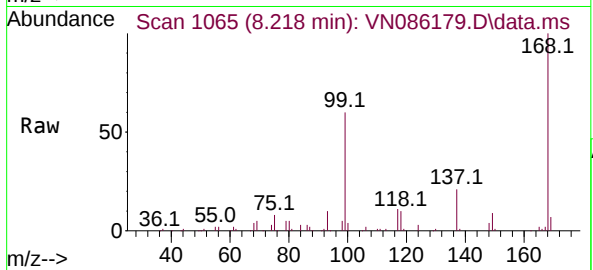
Acq: 31 Mar 2025 19:03

Instrument :

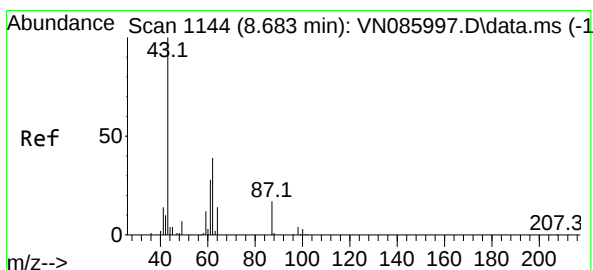
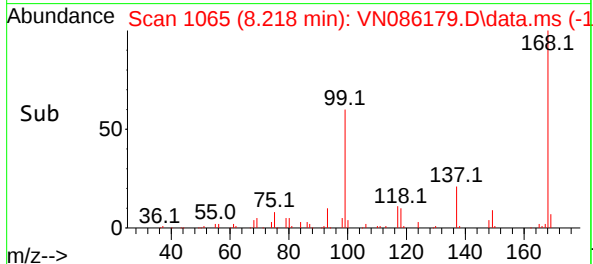
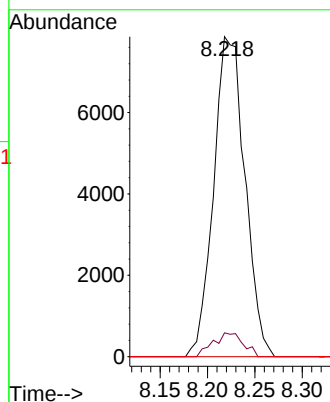
MSVOA_N

ClientSampleId :

PB167374ZHE#03



Tgt Ion:	117	Resp:	18045
Ion	Ratio	Lower	Upper
117	100		
119	7.5	77.0	115.4#
121	0.0	25.6	38.4#



#43

Isopropyl Acetate

Concen: 6.383 ug/l

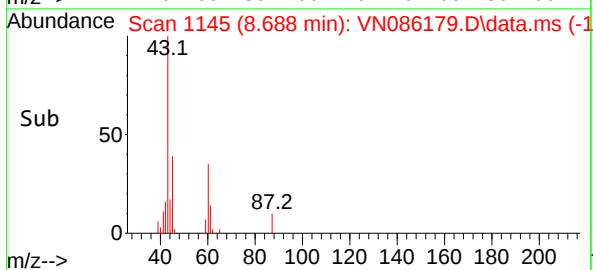
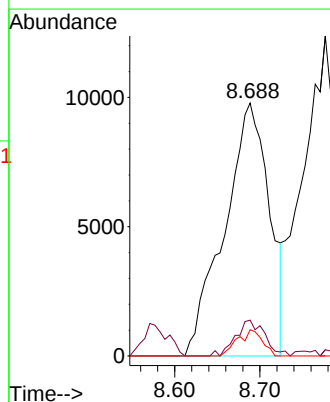
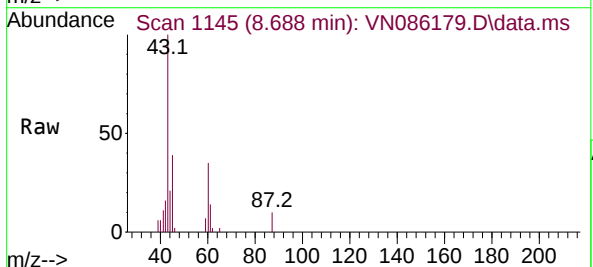
RT: 8.688 min Scan# 1145

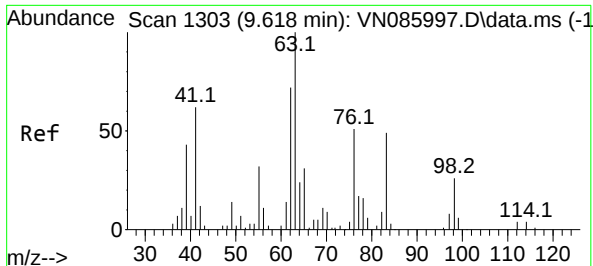
Delta R.T. 0.006 min

Lab File: VN086179.D

Acq: 31 Mar 2025 19:03

Tgt Ion:	43	Resp:	35697
Ion	Ratio	Lower	Upper
43	100		
61	9.2	25.0	37.6#
87	5.7	13.0	19.4#





#45

1,2-Dichloropropane

Concen: 0.467 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.129 min

Lab File: VN086179.D

Acq: 31 Mar 2025 19:03

Instrument :

MSVOA_N

ClientSampleId :

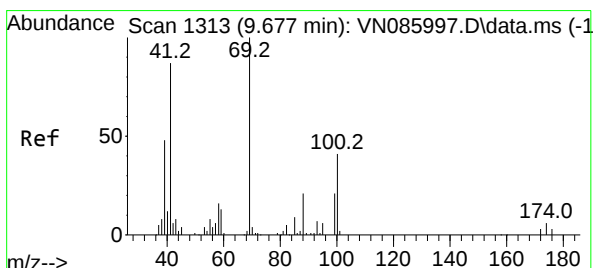
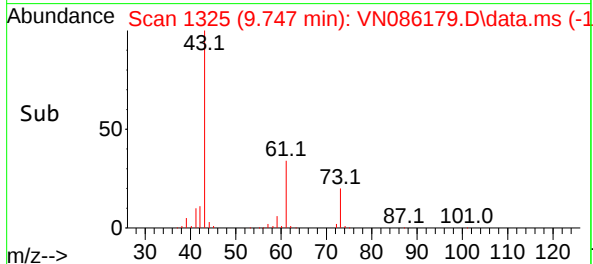
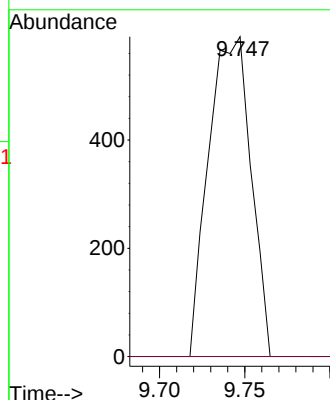
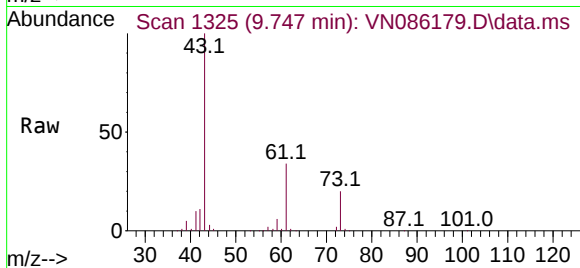
PB167374ZHE#03

Tgt Ion: 63 Resp: 1021

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#



#48

Methyl methacrylate

Concen: 34.646 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.065 min

Lab File: VN086179.D

Acq: 31 Mar 2025 19:03

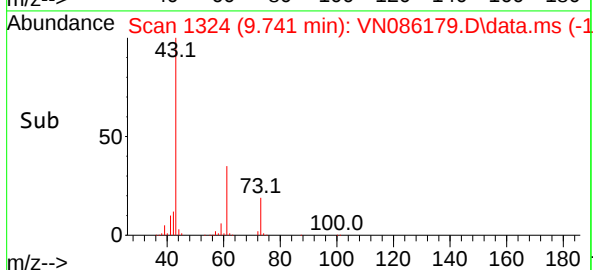
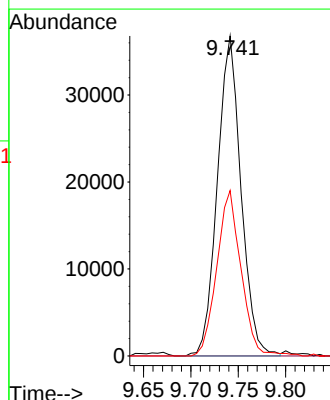
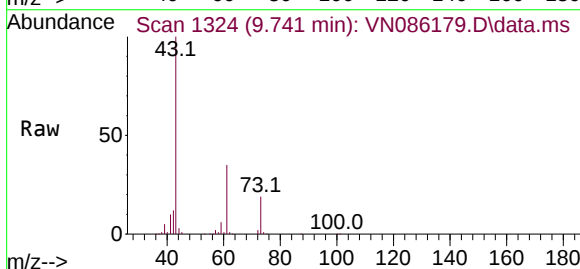
Tgt Ion: 41 Resp: 63935

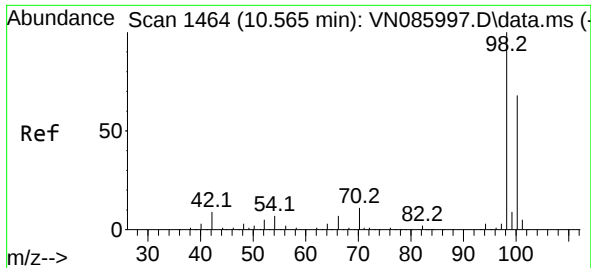
Ion Ratio Lower Upper

41 100

69 0.0 83.1 124.7#

39 53.0 45.6 68.4

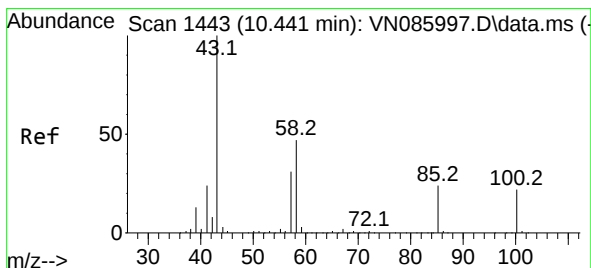
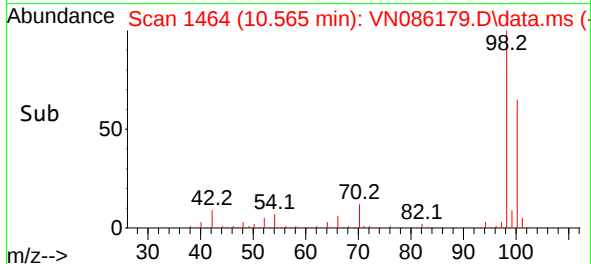
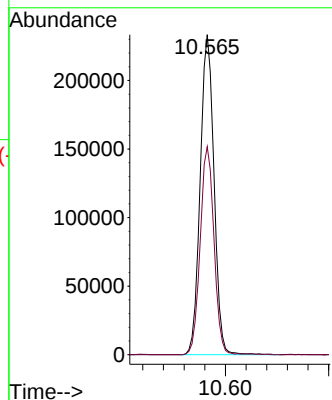
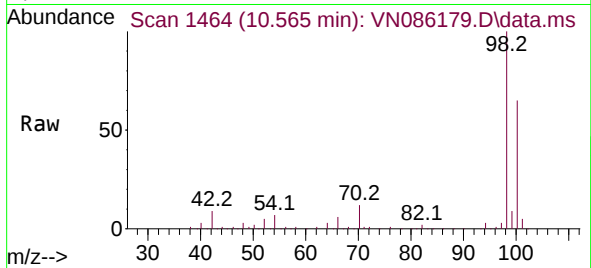




#50
Toluene-d8
Concen: 51.304 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086179.D
Acq: 31 Mar 2025 19:03

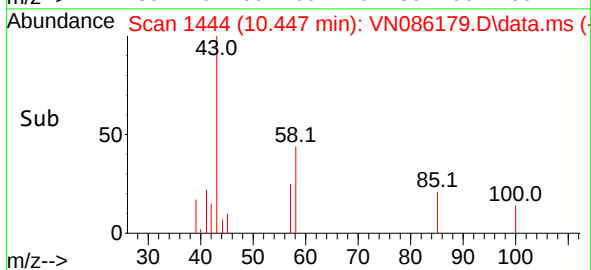
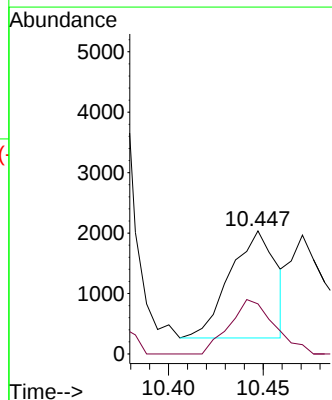
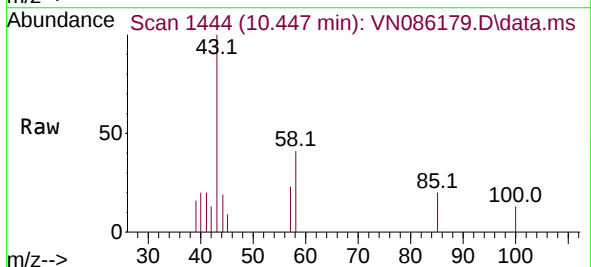
Instrument :
MSVOA_N
ClientSampleId :
PB167374ZHE#03

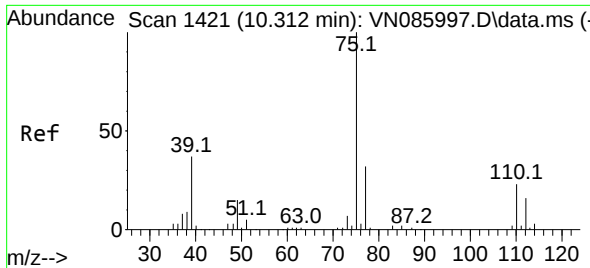
Tgt Ion: 98 Resp: 432568
Ion Ratio Lower Upper
98 100
100 65.1 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 1.227 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN086179.D
Acq: 31 Mar 2025 19:03

Tgt Ion: 43 Resp: 3026
Ion Ratio Lower Upper
43 100
58 49.3 37.4 56.0

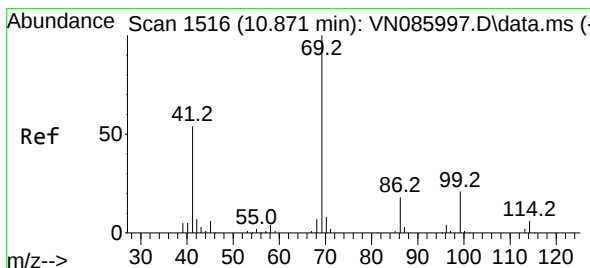
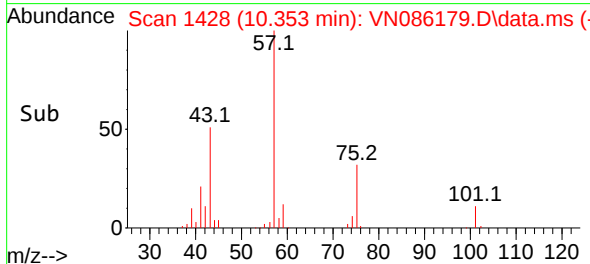
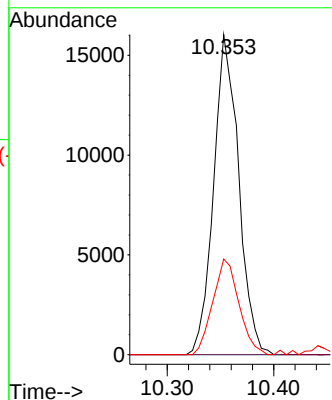
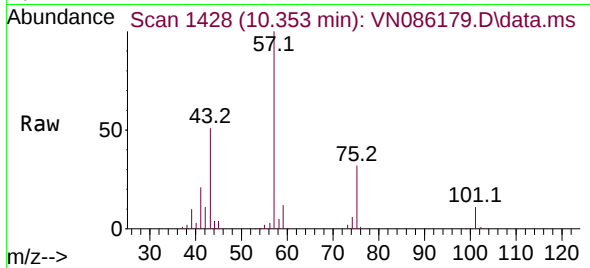




#54
 cis-1,3-Dichloropropene
 Concen: 7.099 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.041 min
 Lab File: VN086179.D
 Acq: 31 Mar 2025 19:03

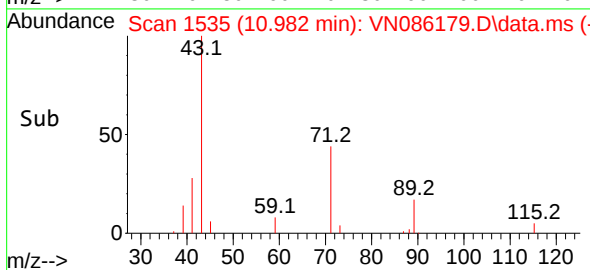
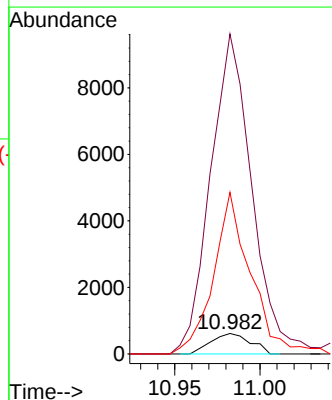
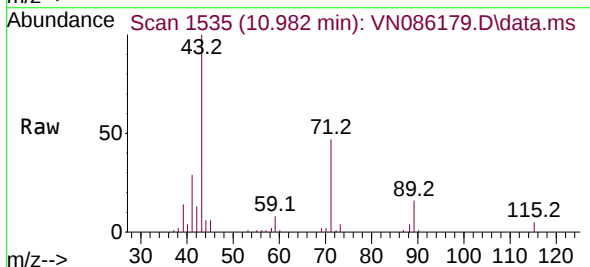
Instrument :
 MSVOA_N
 ClientSampleId :
 PB167374ZHE#03

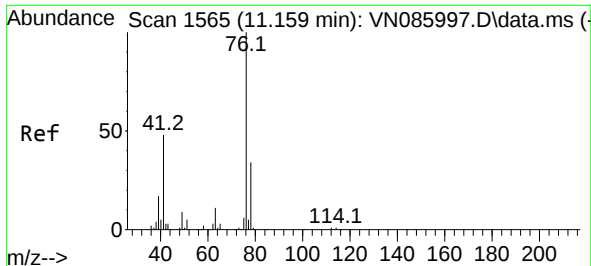
Tgt Ion: 75 Resp: 26112
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 29.9 29.6 44.4



#56
 Ethyl methacrylate
 Concen: 0.539 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.111 min
 Lab File: VN086179.D
 Acq: 31 Mar 2025 19:03

Tgt Ion: 69 Resp: 996
 Ion Ratio Lower Upper
 69 100
 41 1637.9 41.6 62.4#
 39 740.7 21.8 32.8#





#57

1,3-Dichloropropane

Concen: 0.759 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN086179.D

Acq: 31 Mar 2025 19:03

Instrument :

MSVOA_N

ClientSampleId :

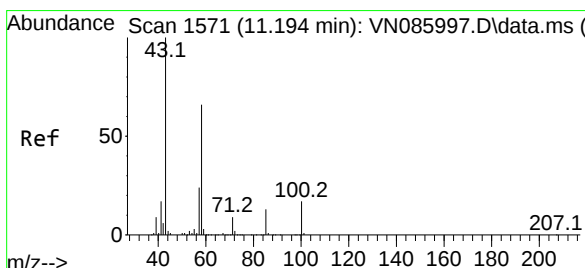
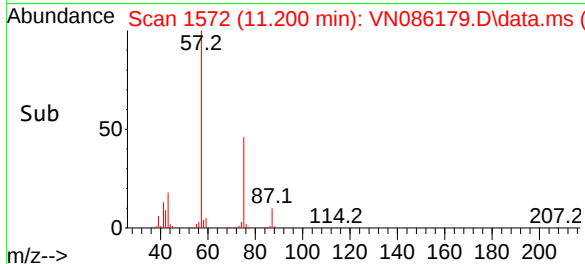
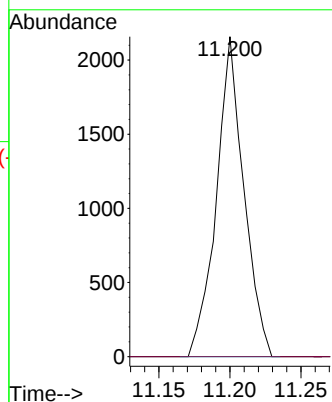
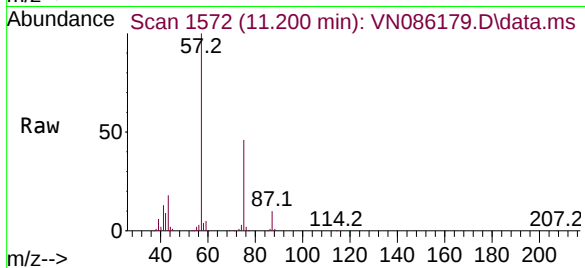
PB167374ZHE#03

Tgt Ion: 76 Resp: 2899

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 22.432 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN086179.D

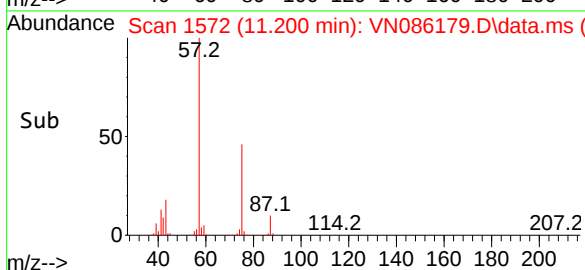
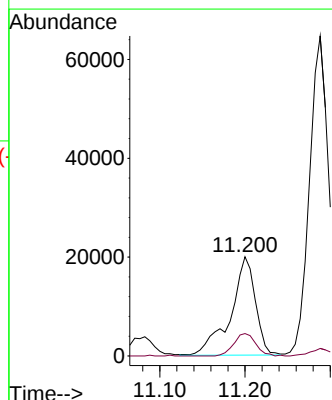
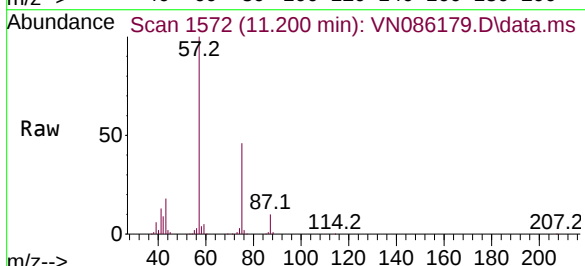
Acq: 31 Mar 2025 19:03

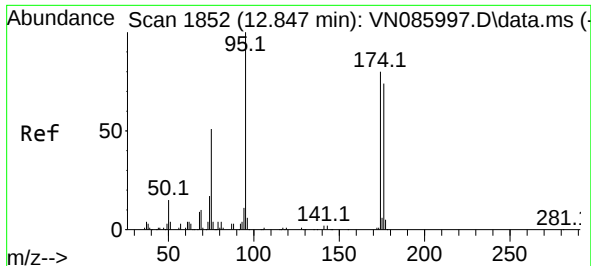
Tgt Ion: 43 Resp: 40304

Ion Ratio Lower Upper

43 100

58 20.3 32.4 97.2#

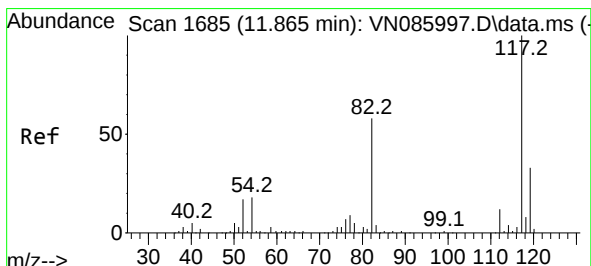
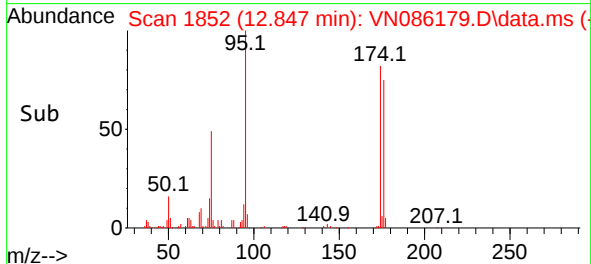
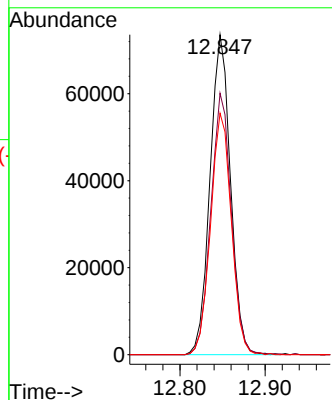
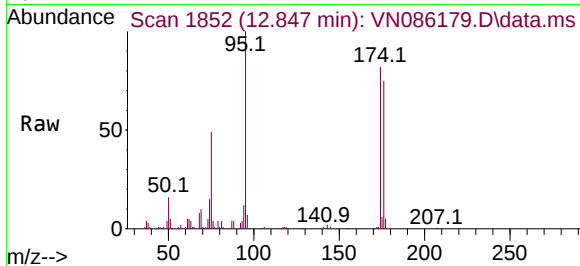




#62
4-Bromofluorobenzene
Concen: 40.865 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086179.D
Acq: 31 Mar 2025 19:03

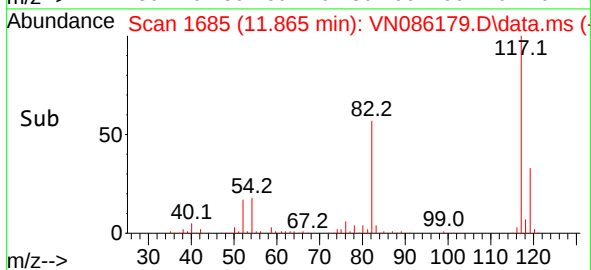
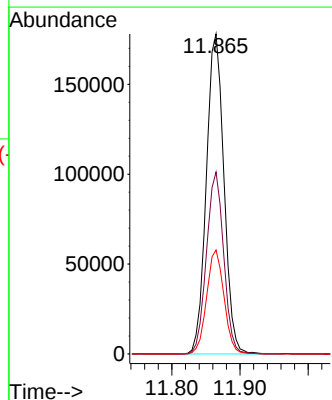
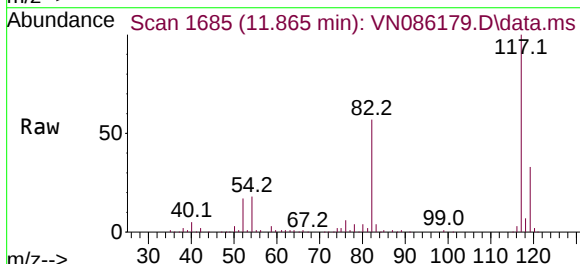
Instrument :
MSVOA_N
ClientSampleId :
PB167374ZHE#03

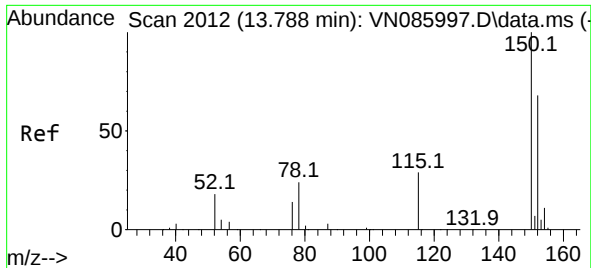
Tgt Ion: 95 Resp: 122878
Ion Ratio Lower Upper
95 100
174 82.2 0.0 156.8
176 76.6 0.0 152.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086179.D
Acq: 31 Mar 2025 19:03

Tgt Ion: 117 Resp: 320068
Ion Ratio Lower Upper
117 100
82 56.8 46.7 70.1
119 32.5 26.5 39.7

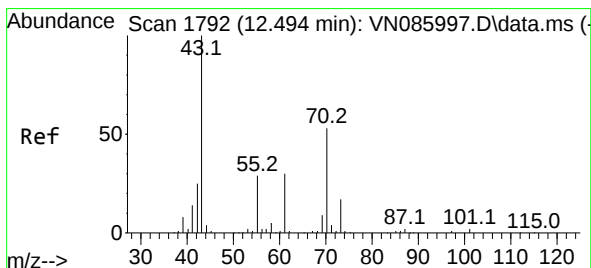
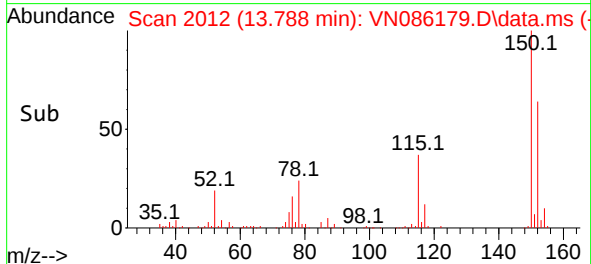
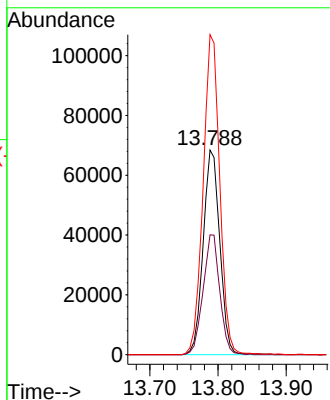
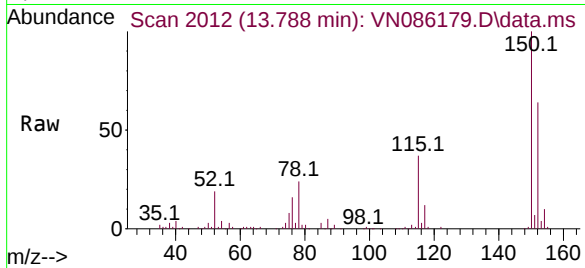




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN086179.D
 Acq: 31 Mar 2025 19:03

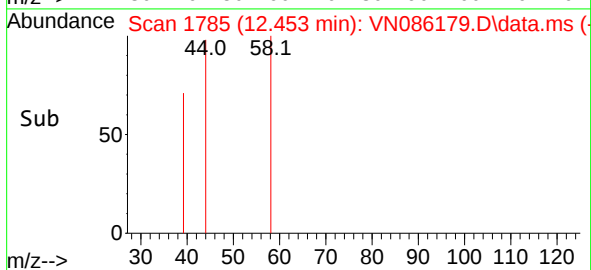
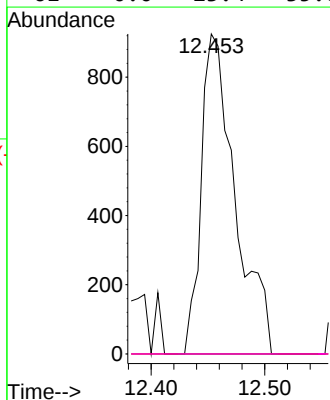
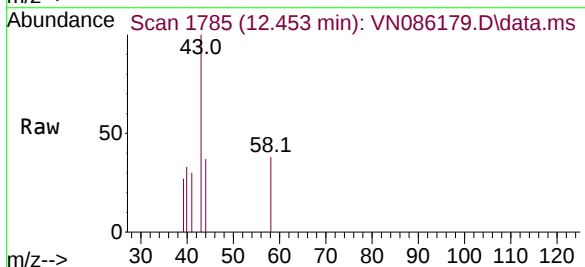
Instrument :
 MSVOA_N
 ClientSampleId :
 PB167374ZHE#03

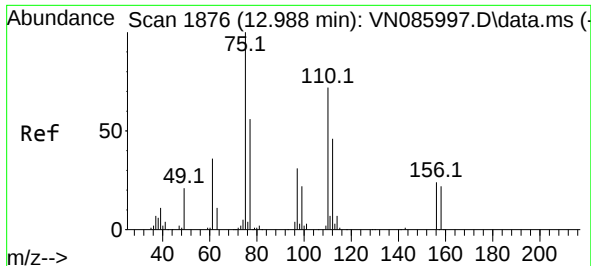
Tgt Ion:152 Resp: 116168
 Ion Ratio Lower Upper
 152 100
 115 58.7 31.1 93.2
 150 156.3 0.0 359.6



#74
 N-ethyl acetate
 Concen: 0.722 ug/l
 RT: 12.453 min Scan# 1785
 Delta R.T. -0.041 min
 Lab File: VN086179.D
 Acq: 31 Mar 2025 19:03

Tgt Ion: 43 Resp: 1916
 Ion Ratio Lower Upper
 43 100
 70 0.0 43.0 64.4#
 55 0.0 23.8 35.8#
 61 0.0 23.4 35.0#

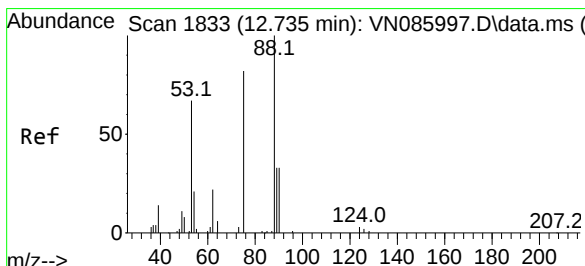
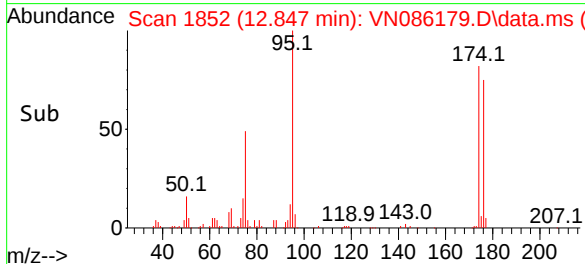
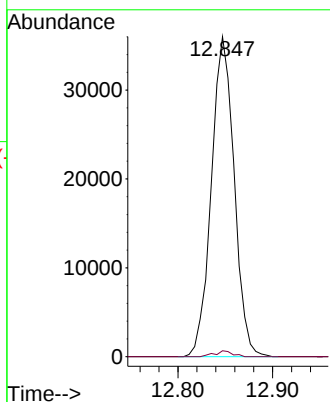
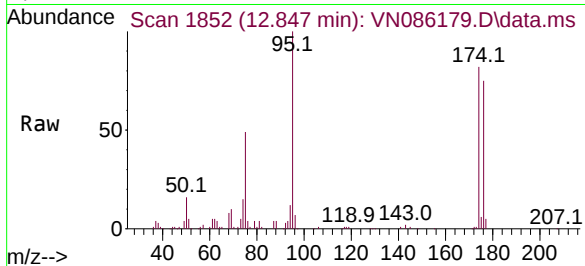




#76
1,2,3-Trichloropropane
Concen: 23.214 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086179.D
Acq: 31 Mar 2025 19:03

Instrument :
MSVOA_N
ClientSampleId :
PB167374ZHE#03

Tgt Ion: 75 Resp: 60374
Ion Ratio Lower Upper
75 100
77 1.4 83.7 251.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.373 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086179.D
Acq: 31 Mar 2025 19:03

Tgt Ion: 75 Resp: 60374
Ion Ratio Lower Upper
75 100
53 0.0 66.0 99.0#
89 0.0 36.9 55.3#

