

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
 Data File : VN086105.D
 Acq On : 25 Mar 2025 17:04
 Operator : JC\MD
 Sample : PB167276ZHE#10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167276ZHE#10

Quant Time: Mar 26 03:21:29 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)

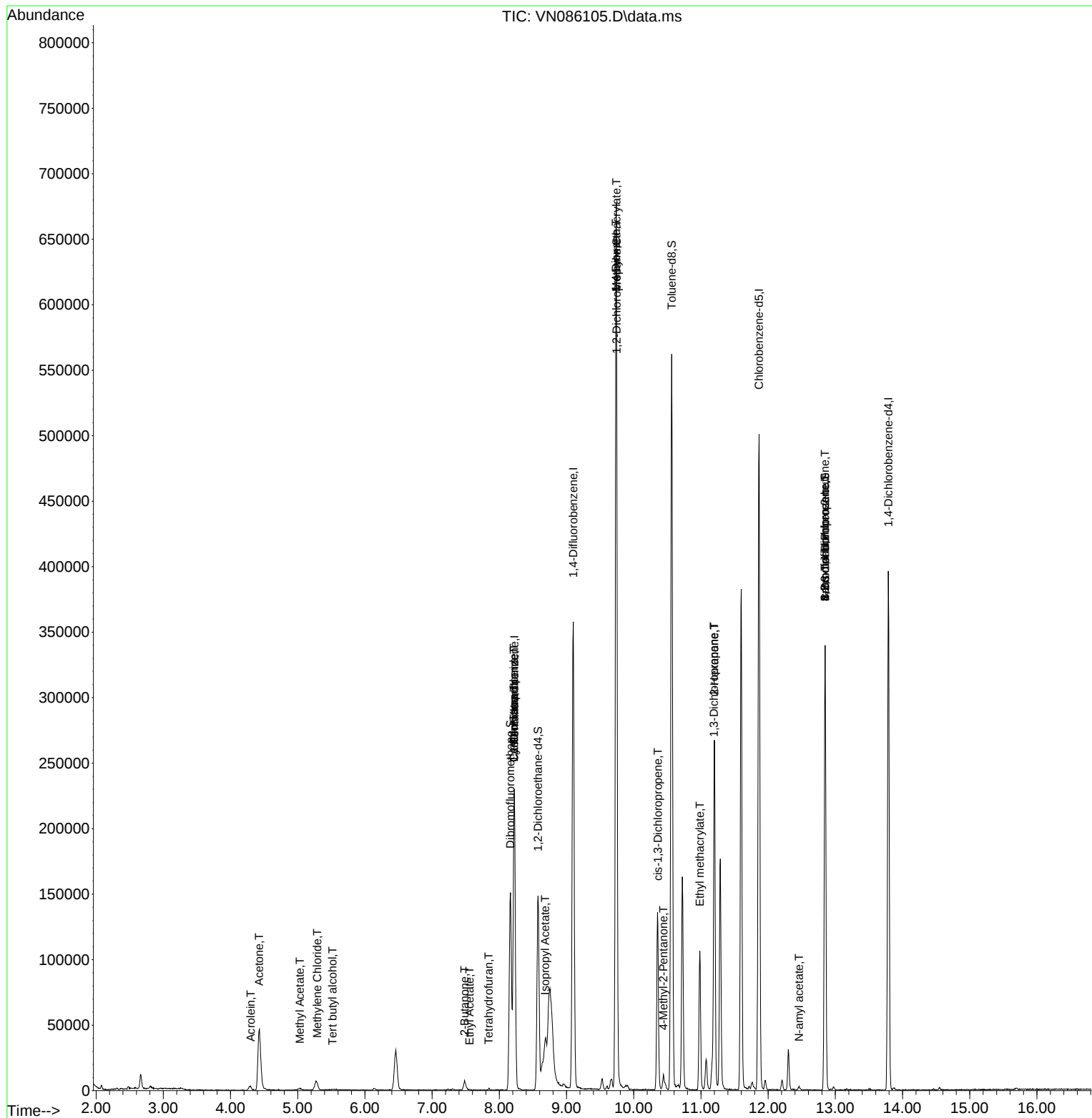
Internal Standards						
1) Pentafluorobenzene	8.224	168	165540	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	318148	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	296869	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	109871	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	124797	55.054	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.100%			
35) Dibromofluoromethane	8.165	113	109006	49.088	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.180%			
50) Toluene-d8	10.565	98	399803	49.607	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.220%			
62) 4-Bromofluorobenzene	12.847	95	119932	41.727	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 83.460%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.518	59	933	2.907	ug/l #	73
13) Acrolein	4.301	56	200	0.584	ug/l #	78
16) Acetone	4.424	43	87770	126.738	ug/l	100
18) Methyl Acetate	5.030	43	2756	1.608	ug/l #	67
20) Methylene Chloride	5.289	84	6008	2.966	ug/l #	89
25) 2-Butanone	7.483	43	10796	10.804	ug/l	93
29) Tetrahydrofuran	7.841	42	475	0.770	ug/l #	54
31) Cyclohexane	8.218	56	3234	1.145	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	12831	4.388	ug/l #	50
37) Ethyl Acetate	7.559	43	567	0.230	ug/l #	64
38) Carbon Tetrachloride	8.218	117	17680	4.599	ug/l #	16
43) Isopropyl Acetate	8.683	43	53198	9.952	ug/l #	65
45) 1,2-Dichloropropane	9.747	63	812	0.389	ug/l #	44
48) Methyl methacrylate	9.741	41	60856	34.500	ug/l #	32
49) 1,4-Dioxane	9.735	88	63	1.511	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	9784	4.150	ug/l #	74
54) cis-1,3-Dichloropropene	10.359	75	25434	7.234	ug/l #	65
56) Ethyl methacrylate	10.982	69	755	0.466	ug/l #	1
57) 1,3-Dichloropropane	11.194	76	2934	0.803	ug/l #	42
59) 2-Hexanone	11.200	43	50048	29.142	ug/l #	40
71) Bromoform	12.847	173	839	0.397	ug/l #	1
74) N-amyl acetate	12.459	43	2345	0.934	ug/l #	39
76) 1,2,3-Trichloropropane	12.847	75	58638	23.839	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	58638	63.025	ug/l #	16

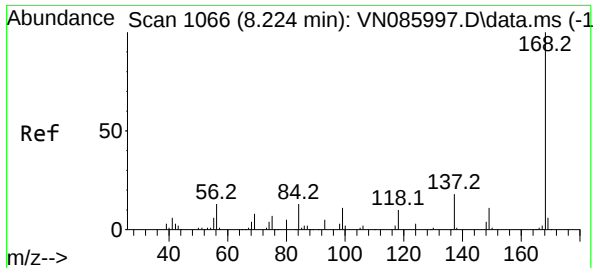
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
Data File : VN086105.D
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Instrument :
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Quant Time: Mar 26 03:21:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
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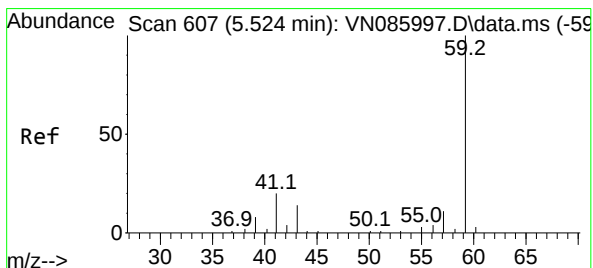
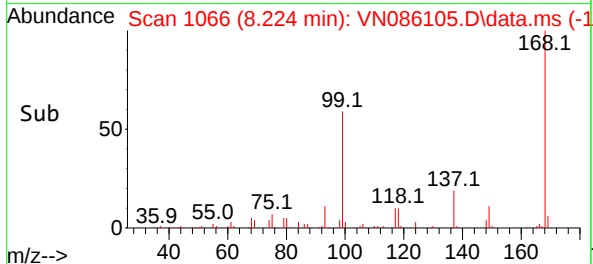
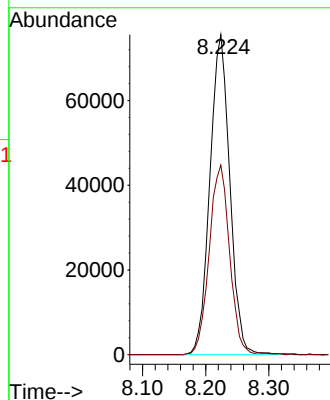
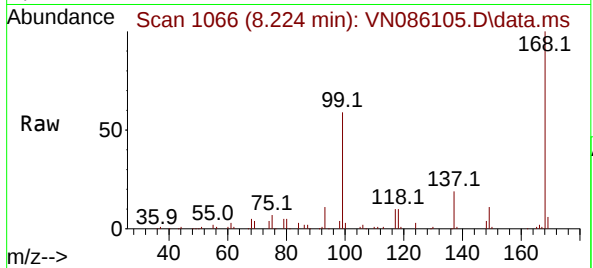




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086105.D
Acq: 25 Mar 2025 17:04

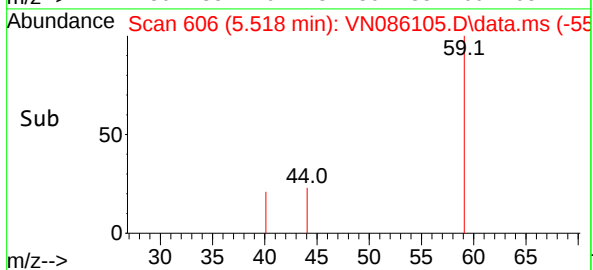
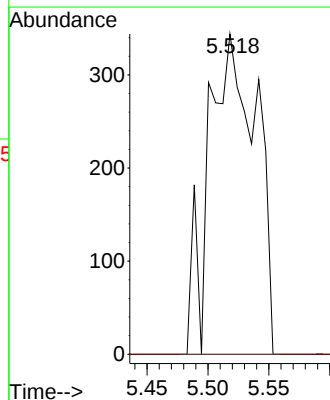
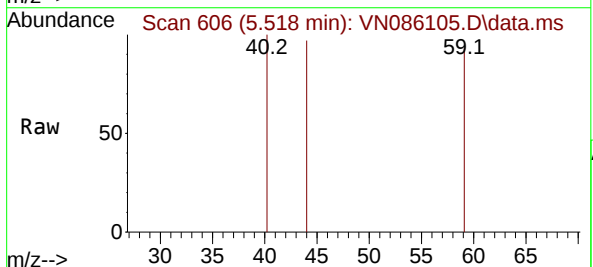
Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#10

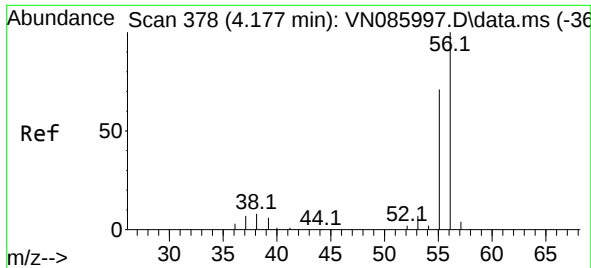
Tgt Ion:168 Resp: 165540
Ion Ratio Lower Upper
168 100
99 59.2 49.4 74.2



#11
Tert butyl alcohol
Concen: 2.907 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.006 min
Lab File: VN086105.D
Acq: 25 Mar 2025 17:04

Tgt Ion: 59 Resp: 933
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#





#13

Acrolein

Concen: 0.584 ug/l

RT: 4.301 min Scan# 399

Delta R.T. 0.123 min

Lab File: VN086105.D

Acq: 25 Mar 2025 17:04

Instrument :

MSVOA_N

ClientSampleId :

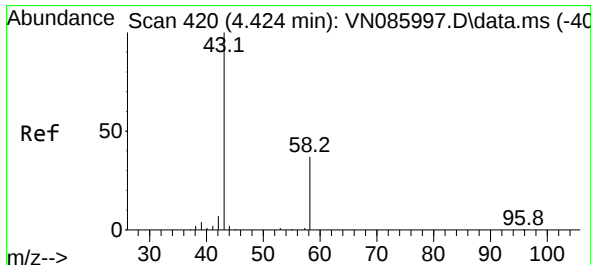
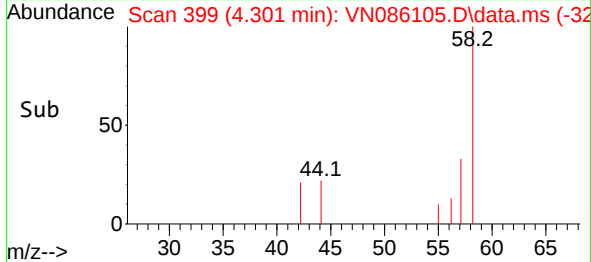
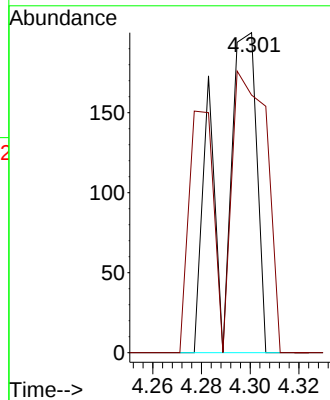
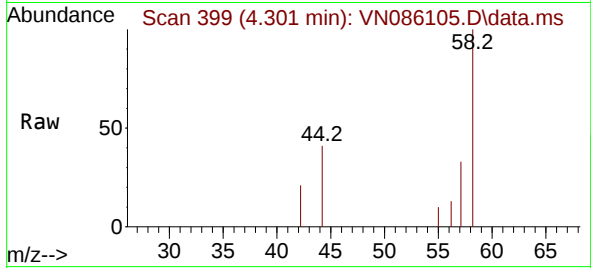
PB167276ZHE#10

Tgt Ion: 56 Resp: 200

Ion Ratio Lower Upper

56 100

55 86.5 55.1 82.7#



#16

Acetone

Concen: 126.738 ug/l

RT: 4.424 min Scan# 420

Delta R.T. -0.000 min

Lab File: VN086105.D

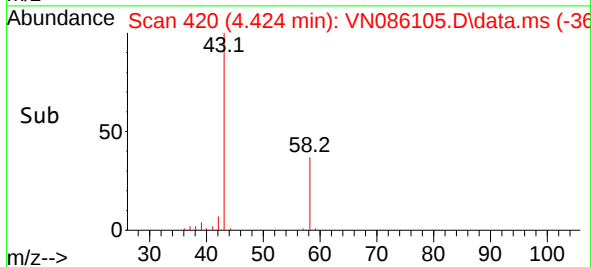
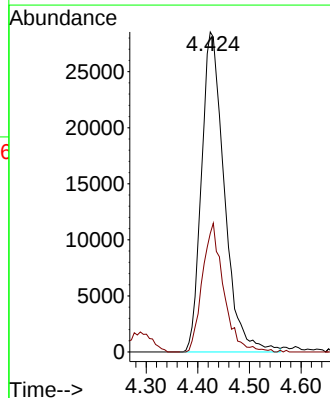
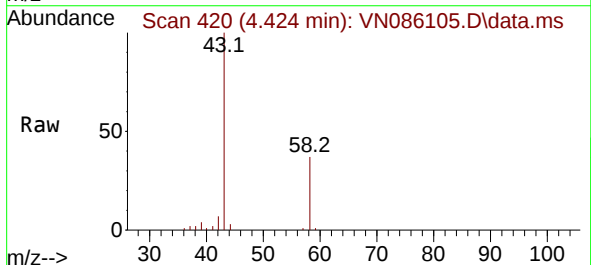
Acq: 25 Mar 2025 17:04

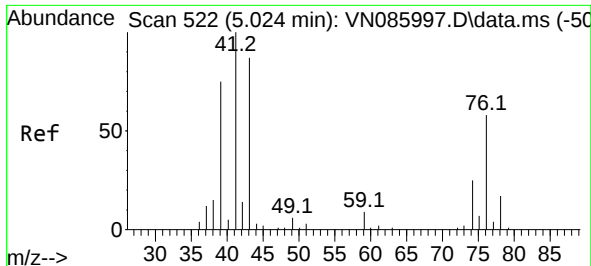
Tgt Ion: 43 Resp: 87770

Ion Ratio Lower Upper

43 100

58 37.1 29.4 44.2

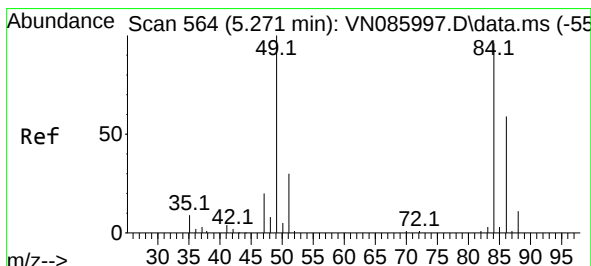
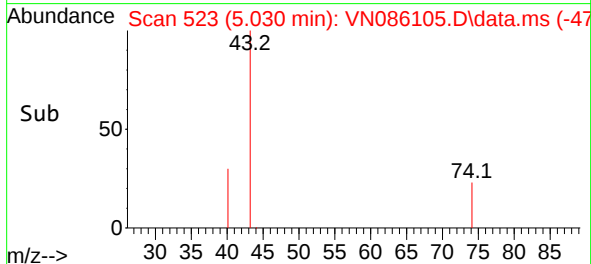
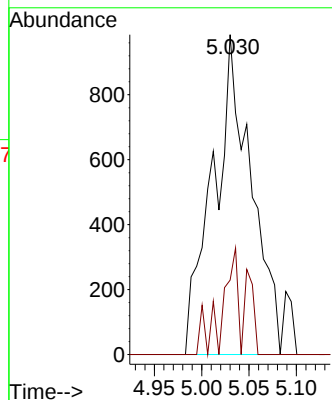
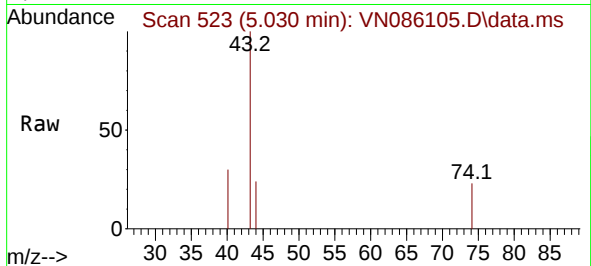




#18
Methyl Acetate
Concen: 1.608 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086105.D
Acq: 25 Mar 2025 17:04

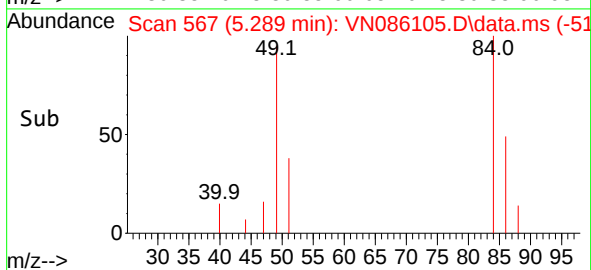
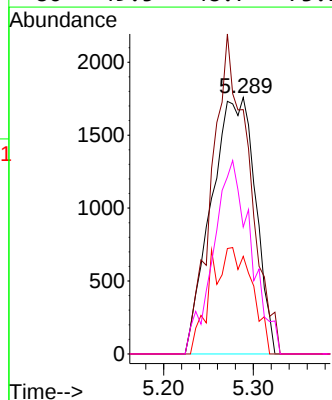
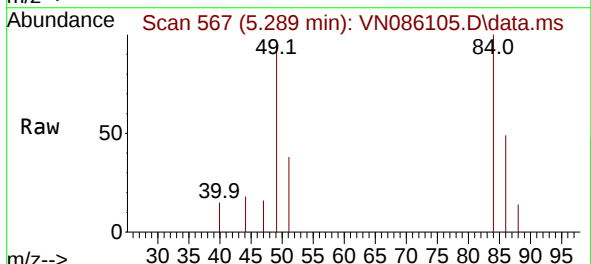
Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#10

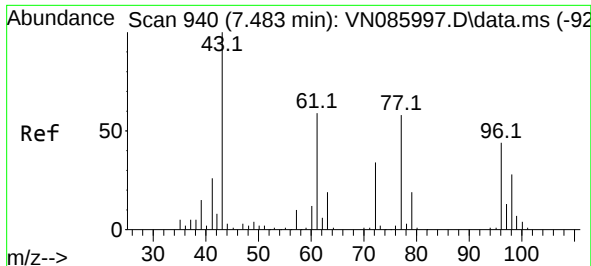
Tgt Ion: 43 Resp: 2756
Ion Ratio Lower Upper
43 100
74 11.9 23.9 35.9#



#20
Methylene Chloride
Concen: 2.966 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.018 min
Lab File: VN086105.D
Acq: 25 Mar 2025 17:04

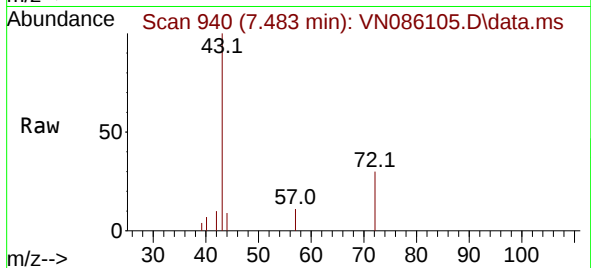
Tgt Ion: 84 Resp: 6008
Ion Ratio Lower Upper
84 100
49 95.2 83.3 124.9
51 38.0 24.8 37.2#
86 49.5 48.7 73.1



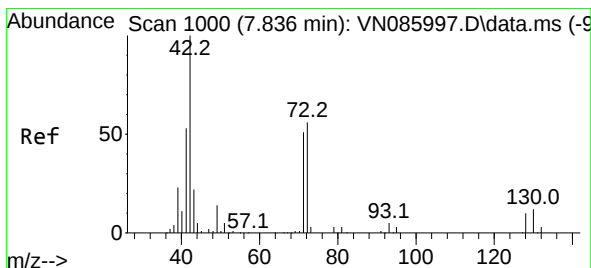
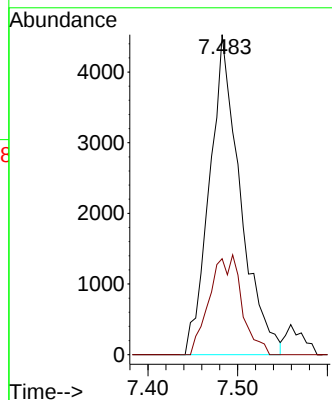
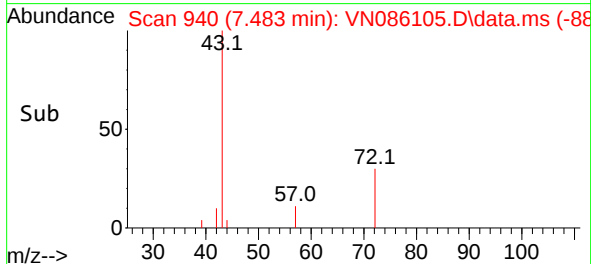


#25
2-Butanone
Concen: 10.804 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN086105.D
Acq: 25 Mar 2025 17:04

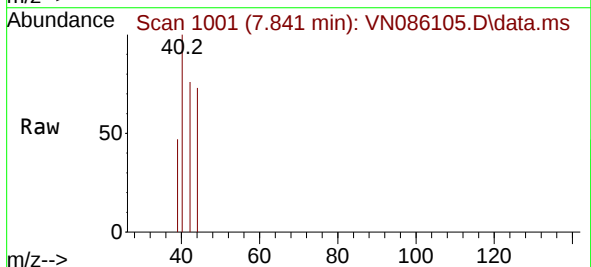
Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#10



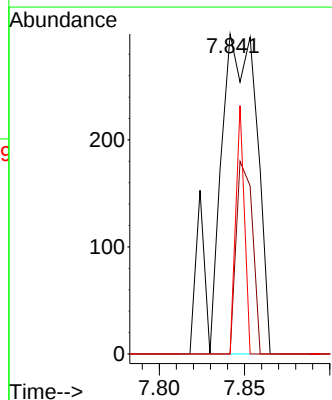
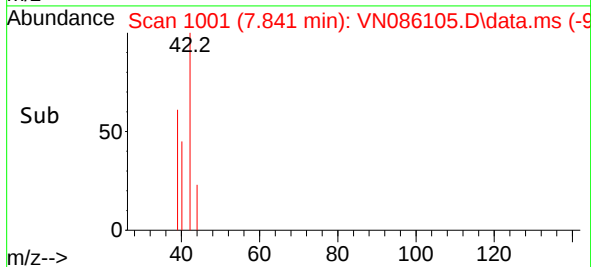
Tgt Ion: 43 Resp: 10796
Ion Ratio Lower Upper
43 100
72 30.0 27.4 41.0

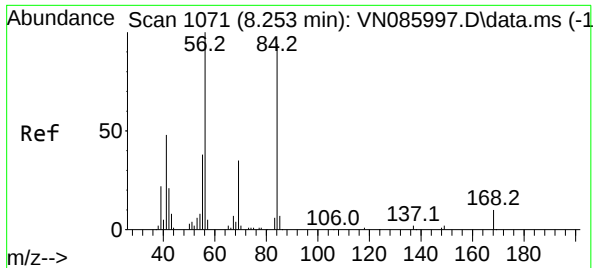


#29
Tetrahydrofuran
Concen: 0.770 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VN086105.D
Acq: 25 Mar 2025 17:04



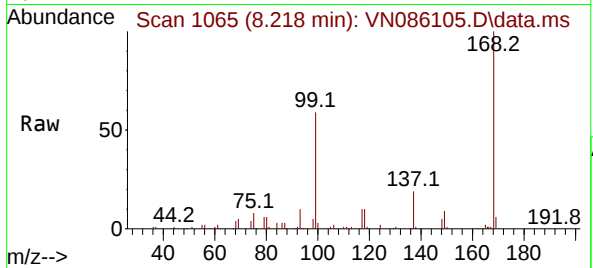
Tgt Ion: 42 Resp: 475
Ion Ratio Lower Upper
42 100
72 25.1 45.0 67.4#
71 17.3 41.9 62.9#





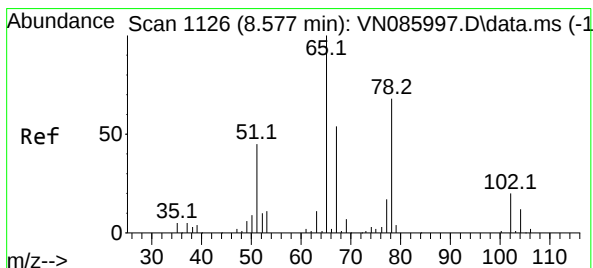
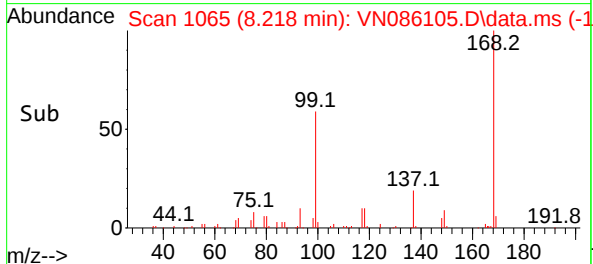
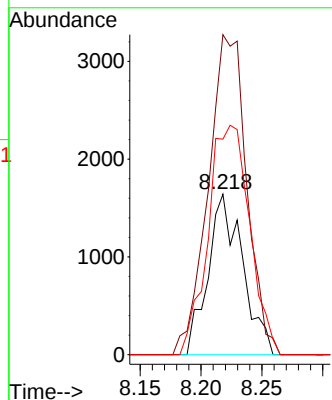
#31
Cyclohexane
Concen: 1.145 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086105.D
Acq: 25 Mar 2025 17:04

Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#10



Tgt Ion: 56 Resp: 3234

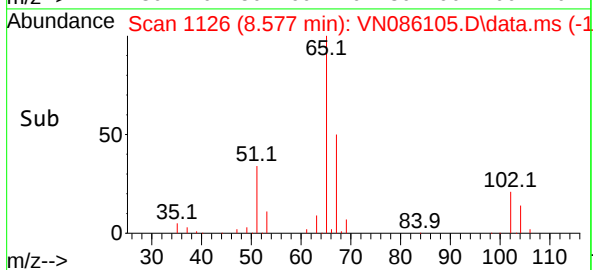
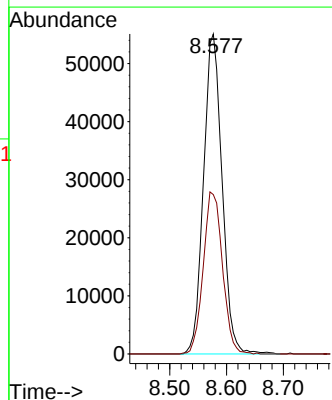
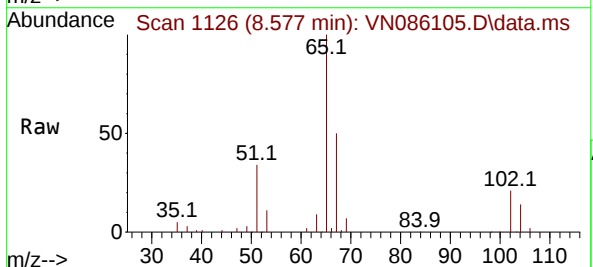
Ion	Ratio	Lower	Upper
56	100		
69	199.5	28.0	42.0#
84	134.4	75.0	112.6#

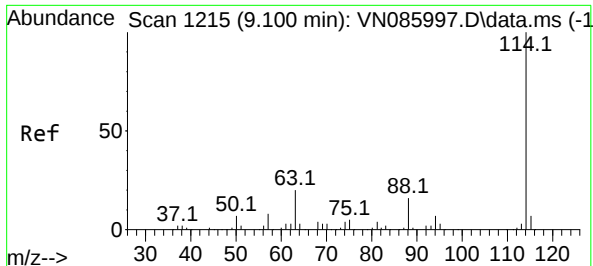


#33
1,2-Dichloroethane-d4
Concen: 55.054 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086105.D
Acq: 25 Mar 2025 17:04

Tgt Ion: 65 Resp: 124797

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	102.2

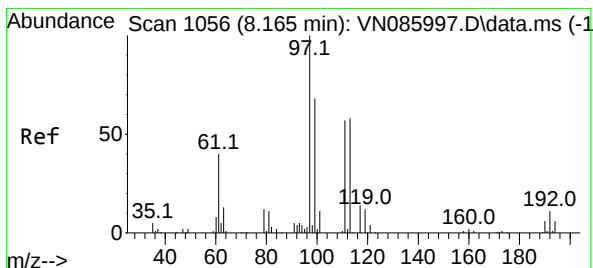
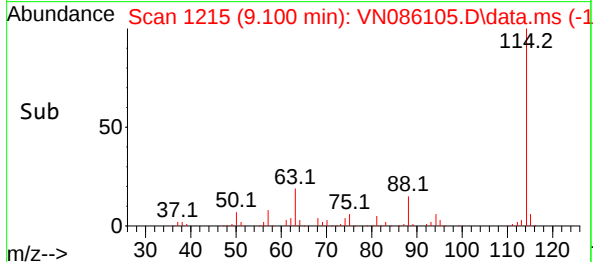
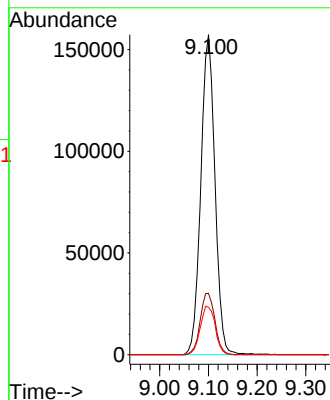
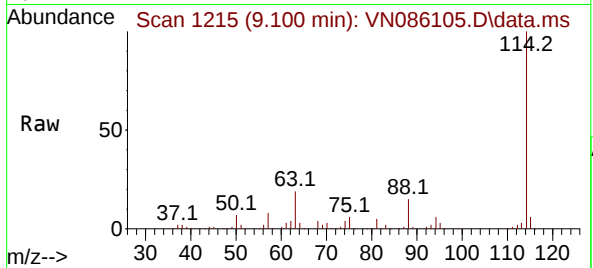




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086105.D
Acq: 25 Mar 2025 17:04

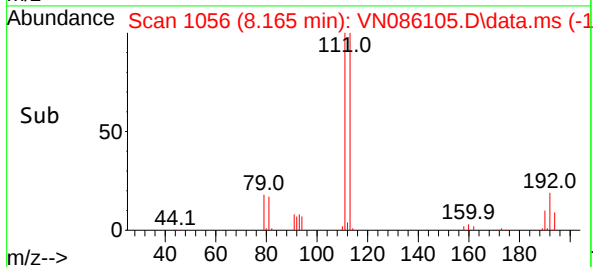
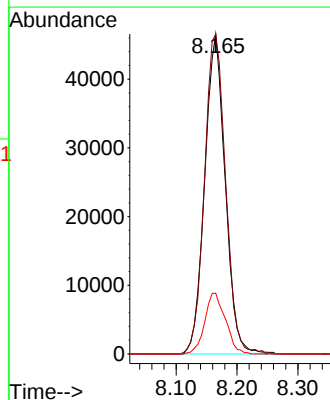
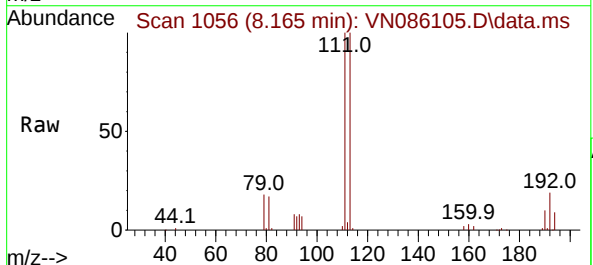
Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#10

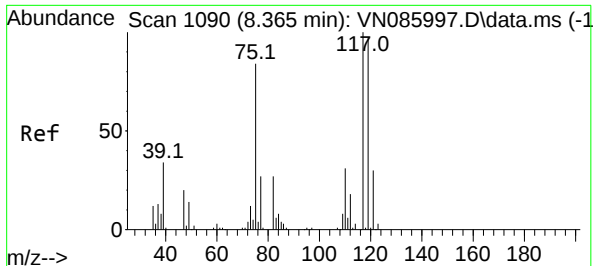
Tgt Ion:114 Resp: 318148
Ion Ratio Lower Upper
114 100
63 19.2 0.0 39.6
88 14.8 0.0 32.6



#35
Dibromofluoromethane
Concen: 49.088 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086105.D
Acq: 25 Mar 2025 17:04

Tgt Ion:113 Resp: 109006
Ion Ratio Lower Upper
113 100
111 102.9 81.8 122.8
192 19.2 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.388 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086105.D

Acq: 25 Mar 2025 17:04

Instrument :

MSVOA_N

ClientSampleId :

PB167276ZHE#10

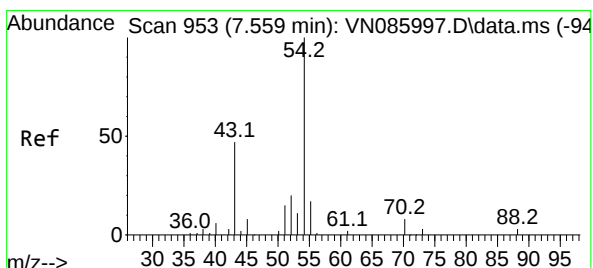
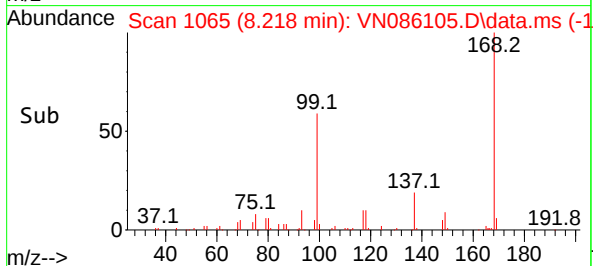
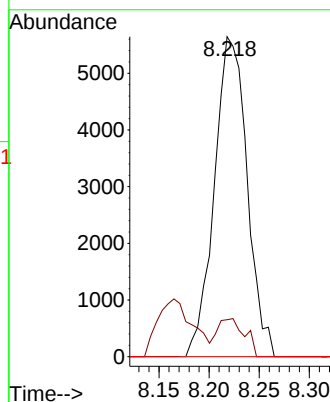
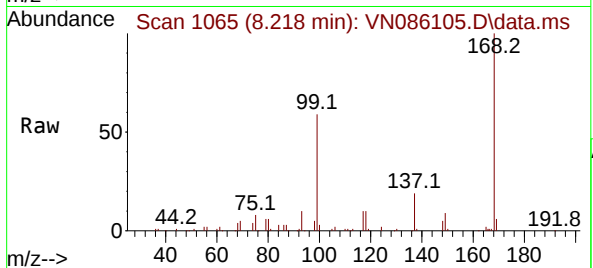
Tgt Ion: 75 Resp: 12831

Ion Ratio Lower Upper

75 100

110 10.0 17.8 53.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 0.230 ug/l

RT: 7.559 min Scan# 953

Delta R.T. -0.000 min

Lab File: VN086105.D

Acq: 25 Mar 2025 17:04

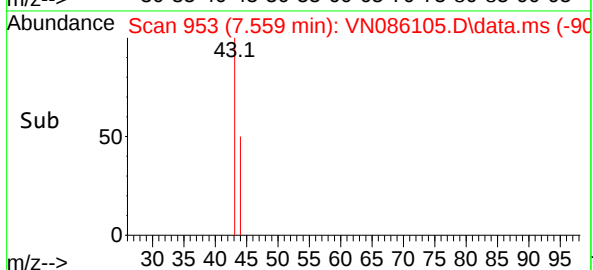
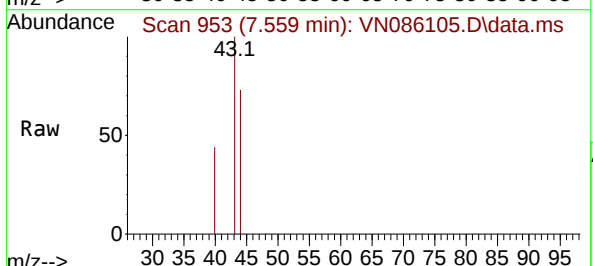
Tgt Ion: 43 Resp: 567

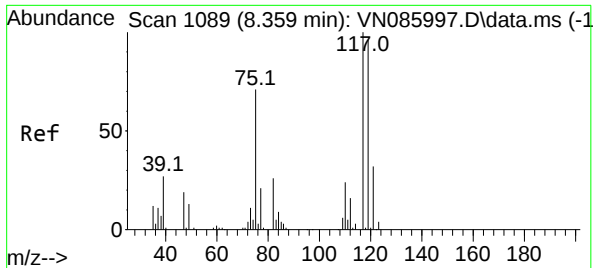
Ion Ratio Lower Upper

43 100

61 0.0 13.0 19.4#

70 0.0 11.0 16.6#

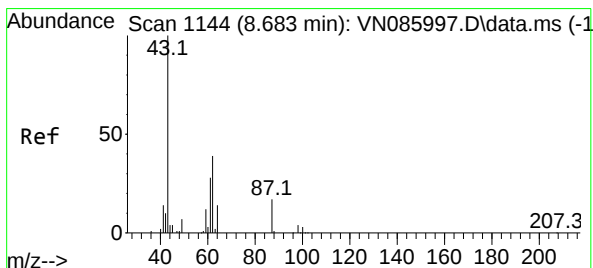
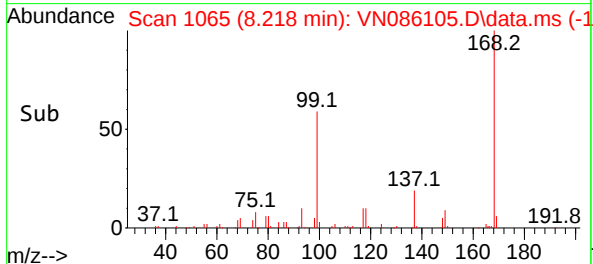
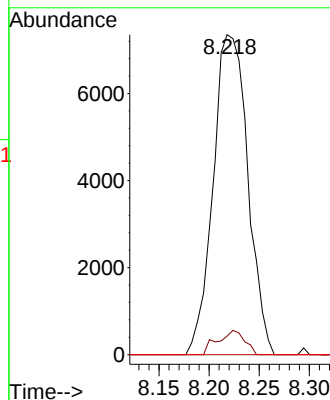
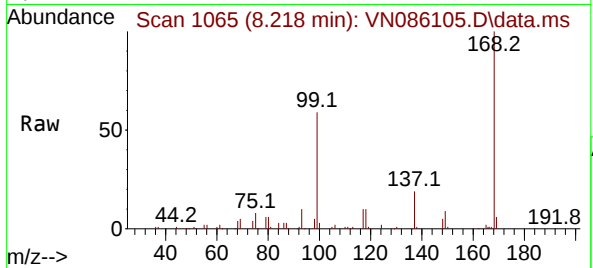




#38
Carbon Tetrachloride
Concen: 4.599 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN086105.D
Acq: 25 Mar 2025 17:04

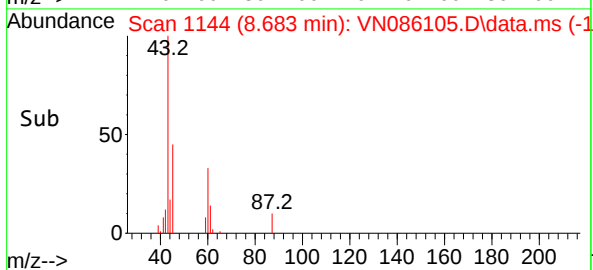
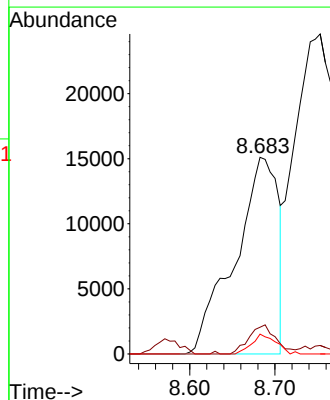
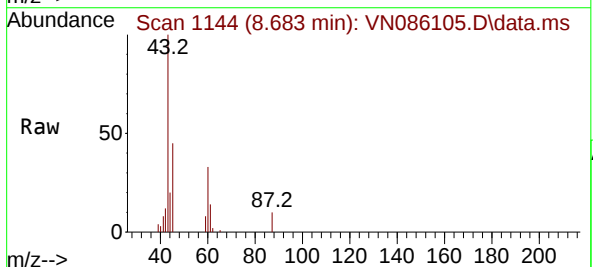
Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#10

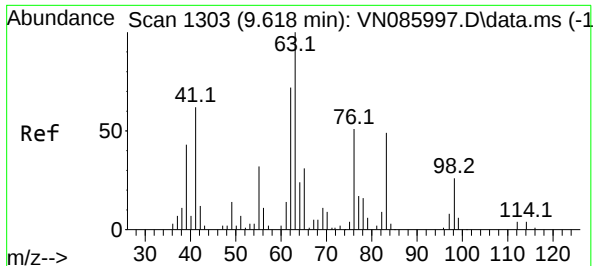
Tgt Ion:117 Resp: 17680
Ion Ratio Lower Upper
117 100
119 5.8 77.0 115.4#
121 0.0 25.6 38.4#



#43
Isopropyl Acetate
Concen: 9.952 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN086105.D
Acq: 25 Mar 2025 17:04

Tgt Ion: 43 Resp: 53198
Ion Ratio Lower Upper
43 100
61 9.3 25.0 37.6#
87 5.6 13.0 19.4#





#45

1,2-Dichloropropane

Concen: 0.389 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.129 min

Lab File: VN086105.D

Acq: 25 Mar 2025 17:04

Instrument :

MSVOA_N

ClientSampleId :

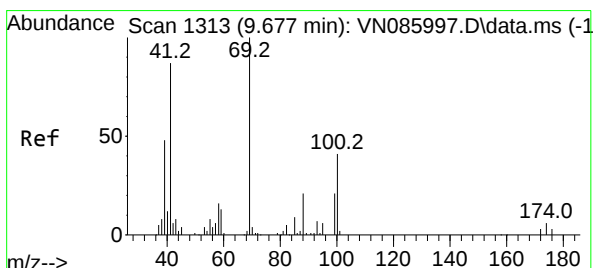
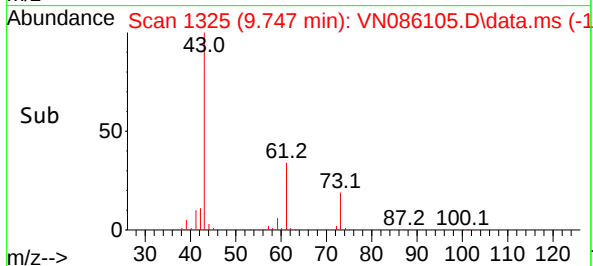
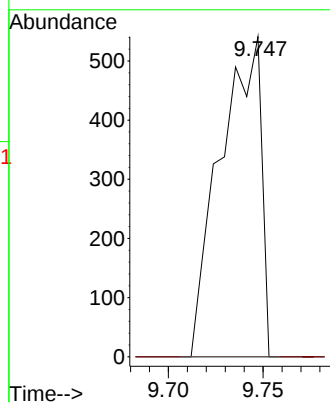
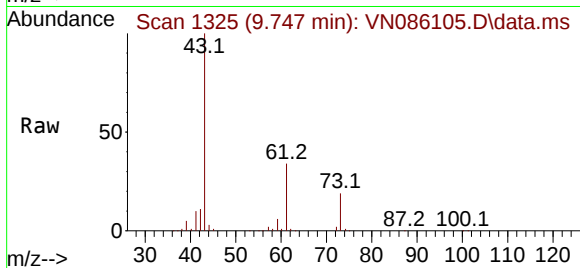
PB167276ZHE#10

Tgt Ion: 63 Resp: 812

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#



#48

Methyl methacrylate

Concen: 34.500 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.065 min

Lab File: VN086105.D

Acq: 25 Mar 2025 17:04

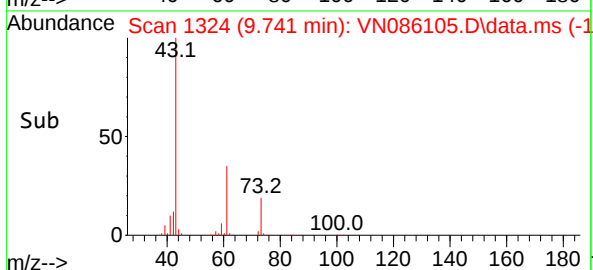
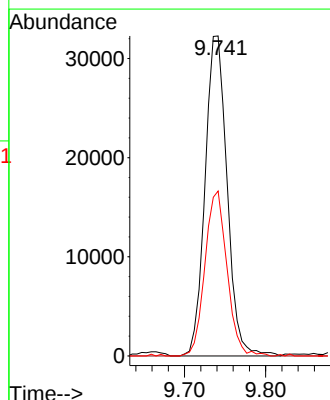
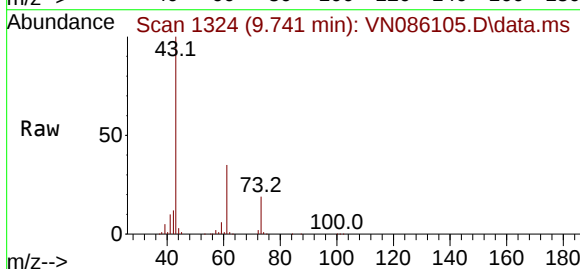
Tgt Ion: 41 Resp: 60856

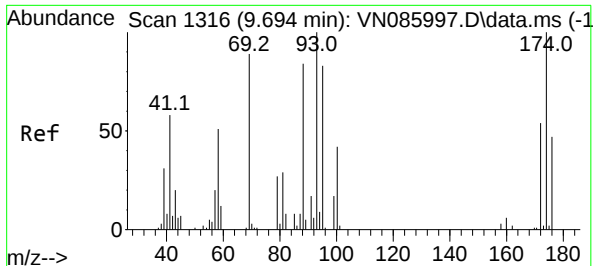
Ion Ratio Lower Upper

41 100

69 0.0 83.1 124.7#

39 51.6 45.6 68.4





#49

1,4-Dioxane

Concen: 1.511 ug/l

RT: 9.735 min Scan# 1

Delta R.T. 0.041 min

Lab File: VN086105.D

Acq: 25 Mar 2025 17:04

Instrument :

MSVOA_N

ClientSampleId :

PB167276ZHE#10

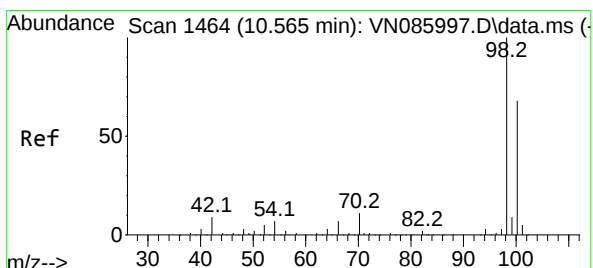
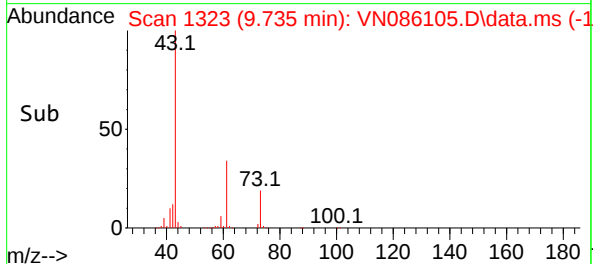
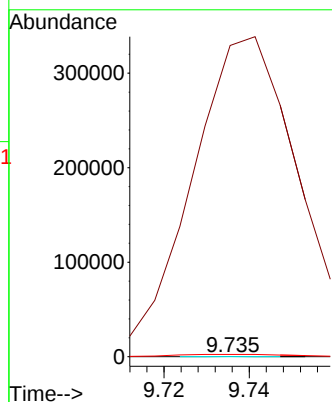
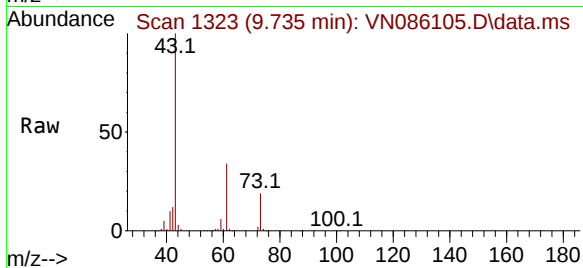
Tgt Ion: 88 Resp: 63

Ion Ratio Lower Upper

88 100

43 965381.0 21.7 32.5#

58 7747.6 50.4 75.6#



#50

Toluene-d8

Concen: 49.607 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086105.D

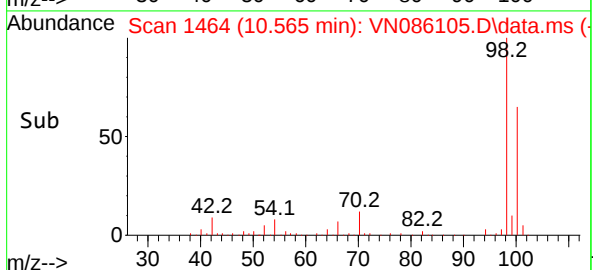
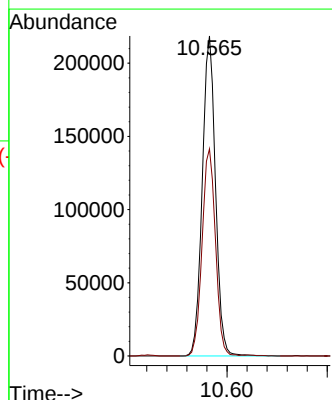
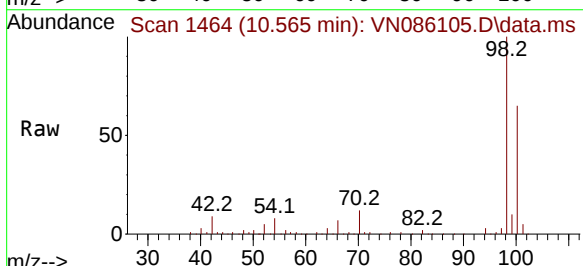
Acq: 25 Mar 2025 17:04

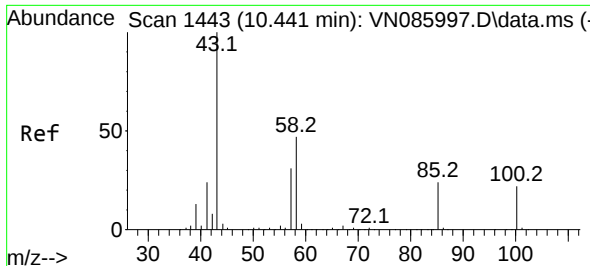
Tgt Ion: 98 Resp: 399803

Ion Ratio Lower Upper

98 100

100 65.5 53.1 79.7

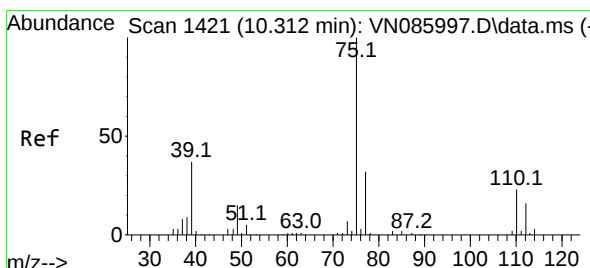
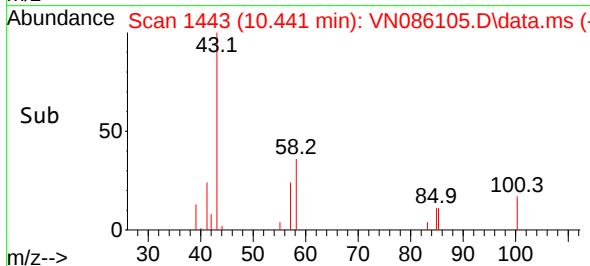
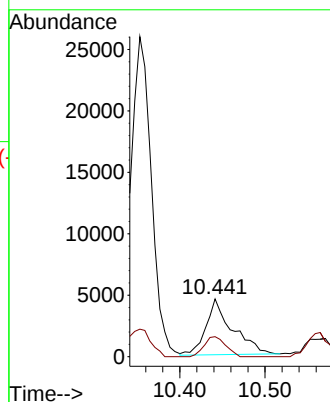
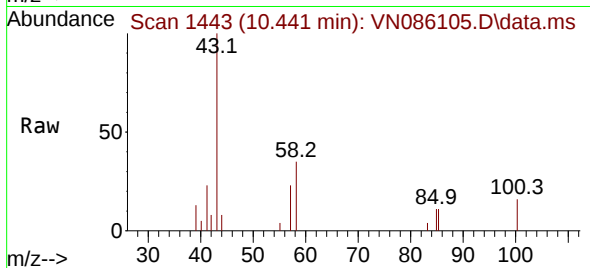




#51
4-Methyl-2-Pentanone
Concen: 4.150 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086105.D
Acq: 25 Mar 2025 17:04

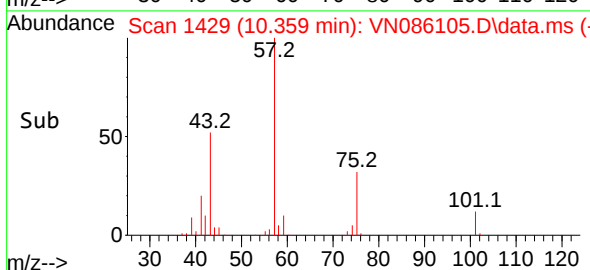
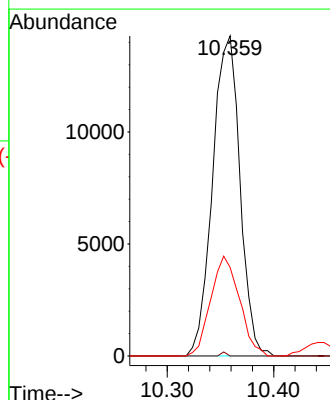
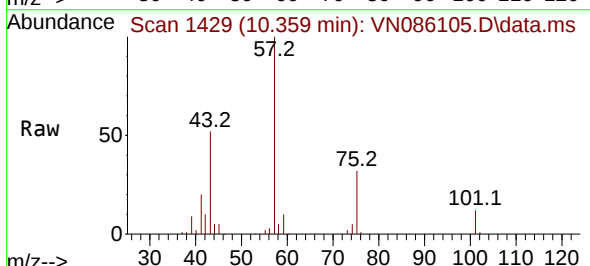
Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#10

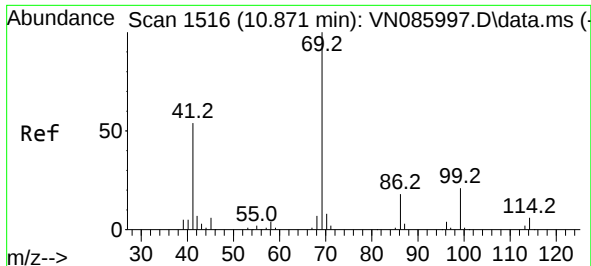
Tgt Ion: 43 Resp: 9784
Ion Ratio Lower Upper
43 100
58 29.2 37.4 56.0#



#54
cis-1,3-Dichloropropene
Concen: 7.234 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN086105.D
Acq: 25 Mar 2025 17:04

Tgt Ion: 75 Resp: 25434
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 27.6 29.6 44.4#

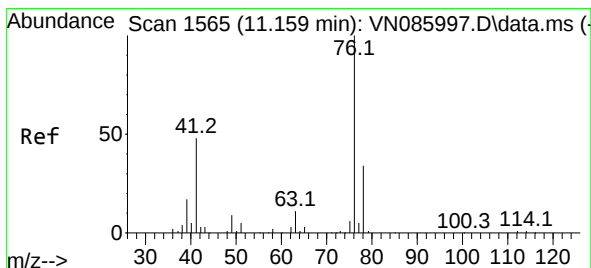
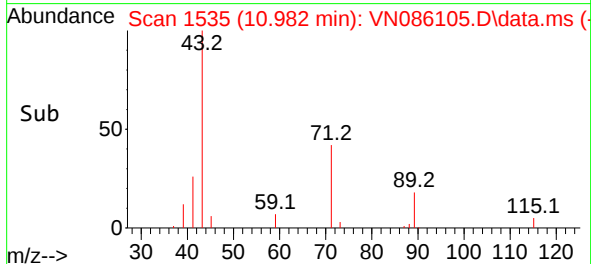
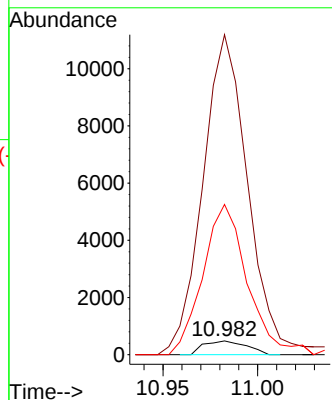
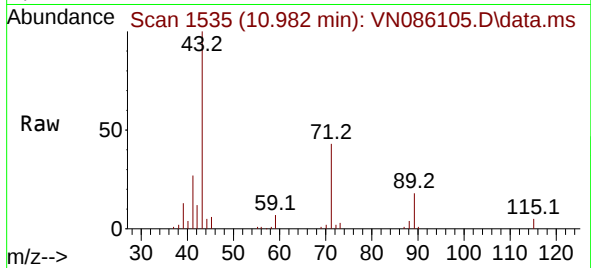




#56
Ethyl methacrylate
Concen: 0.466 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.111 min
Lab File: VN086105.D
Acq: 25 Mar 2025 17:04

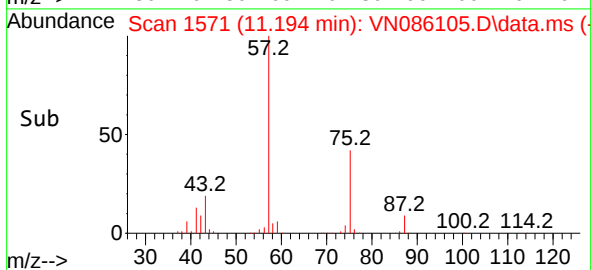
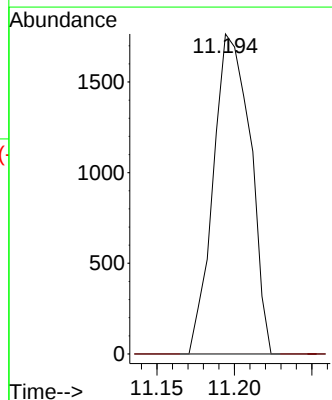
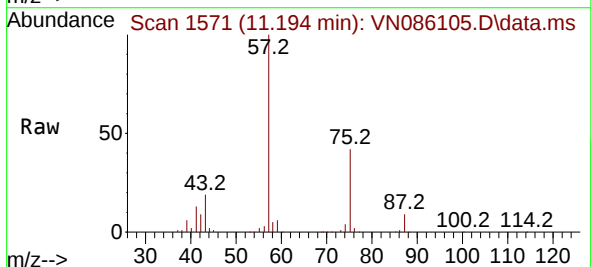
Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#10

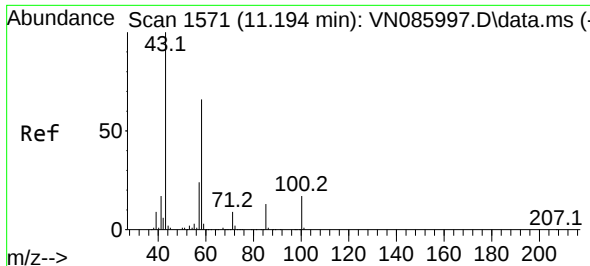
Tgt Ion: 69 Resp: 755
Ion Ratio Lower Upper
69 100
41 2466.5 41.6 62.4#
39 1144.8 21.8 32.8#



#57
1,3-Dichloropropane
Concen: 0.803 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.035 min
Lab File: VN086105.D
Acq: 25 Mar 2025 17:04

Tgt Ion: 76 Resp: 2934
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

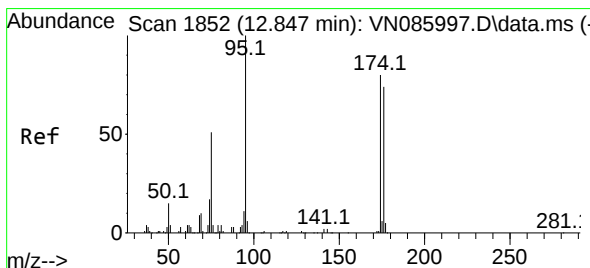
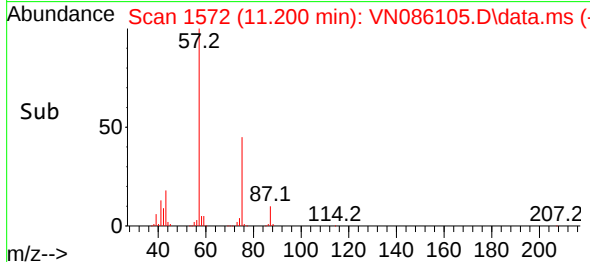
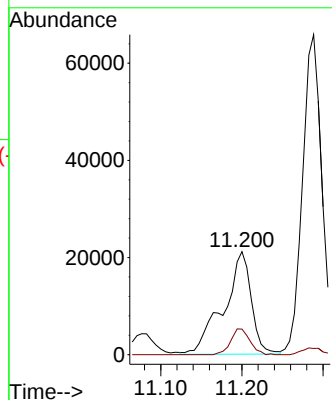
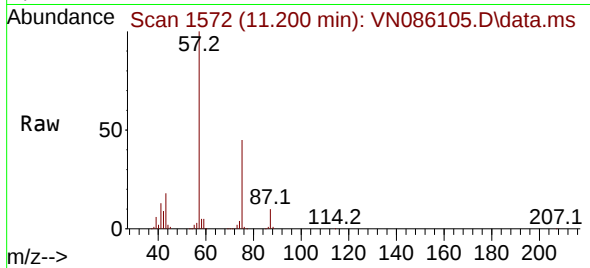




#59
2-Hexanone
Concen: 29.142 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086105.D
Acq: 25 Mar 2025 17:04

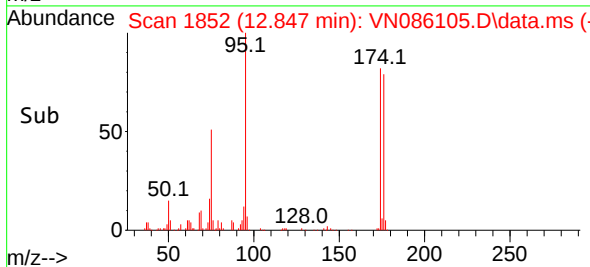
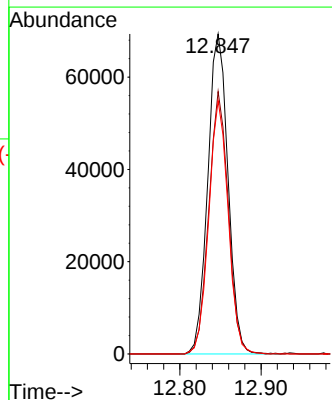
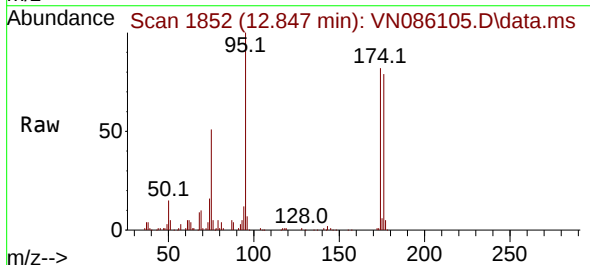
Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#10

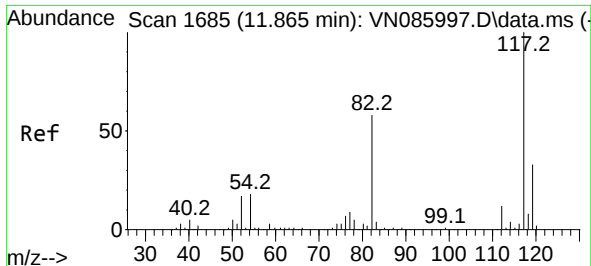
Tgt Ion: 43 Resp: 50048
Ion Ratio Lower Upper
43 100
58 17.5 32.4 97.2#



#62
4-Bromofluorobenzene
Concen: 41.727 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086105.D
Acq: 25 Mar 2025 17:04

Tgt Ion: 95 Resp: 119932
Ion Ratio Lower Upper
95 100
174 79.1 0.0 156.8
176 75.9 0.0 152.2

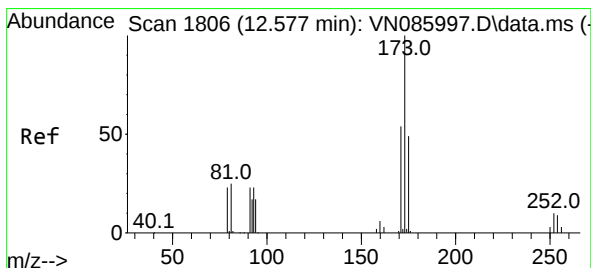
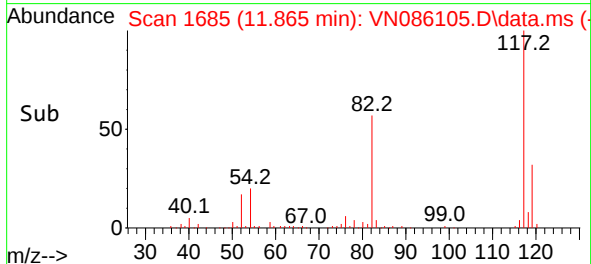
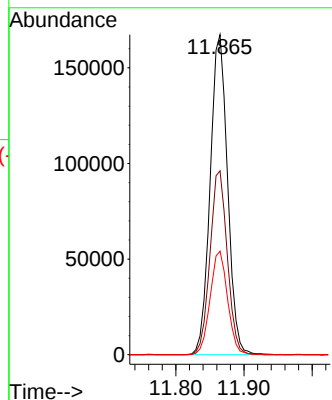
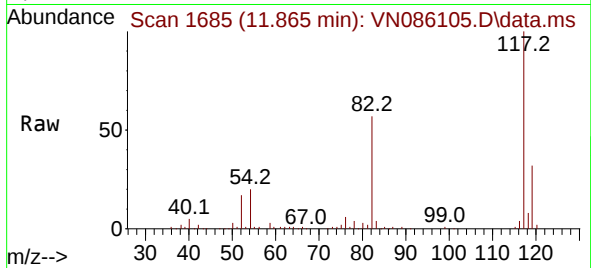




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VN086105.D
Acq: 25 Mar 2025 17:04

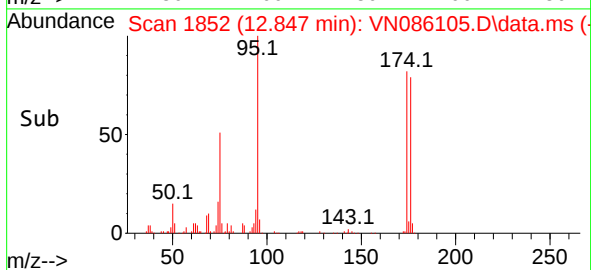
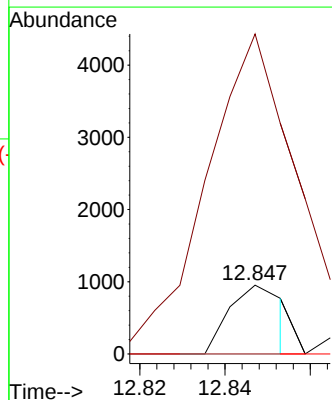
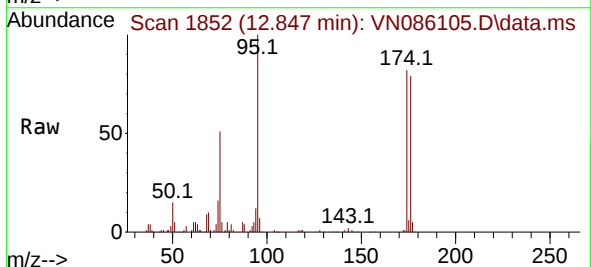
Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#10

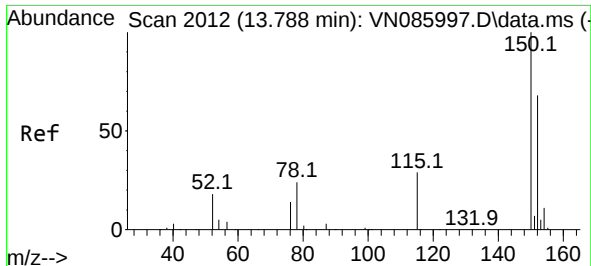
Tgt Ion:117 Resp: 296869
Ion Ratio Lower Upper
117 100
82 57.5 46.7 70.1
119 32.4 26.5 39.7



#71
Bromoform
Concen: 0.397 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN086105.D
Acq: 25 Mar 2025 17:04

Tgt Ion:173 Resp: 839
Ion Ratio Lower Upper
173 100
175 644.5 24.3 73.0#
254 0.0 0.0 0.0

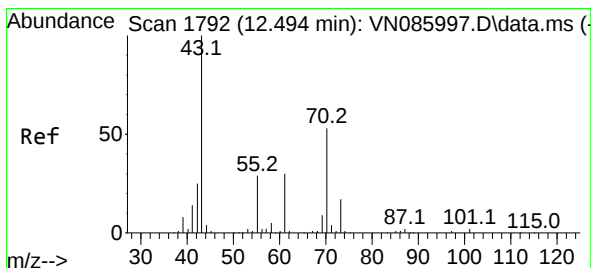
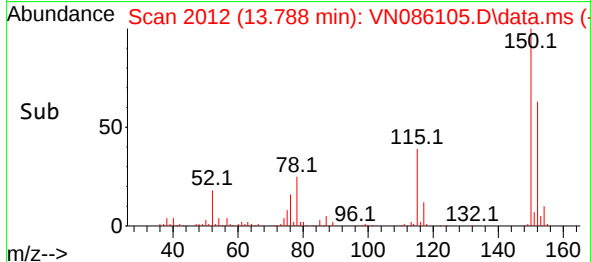
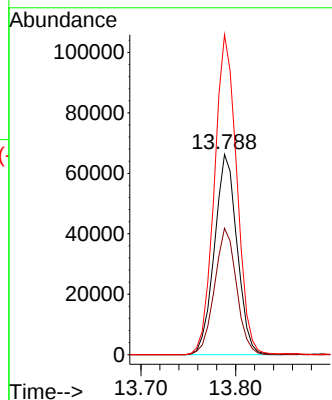
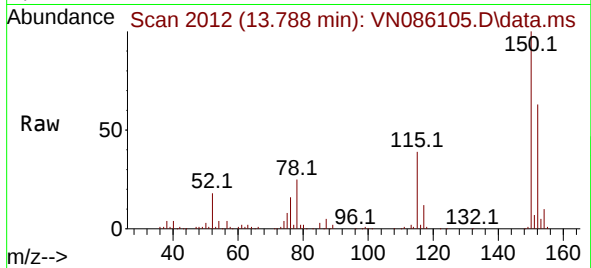




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN086105.D
Acq: 25 Mar 2025 17:04

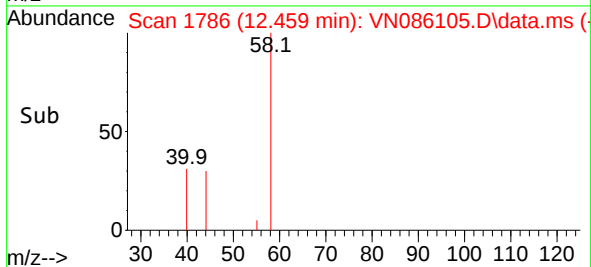
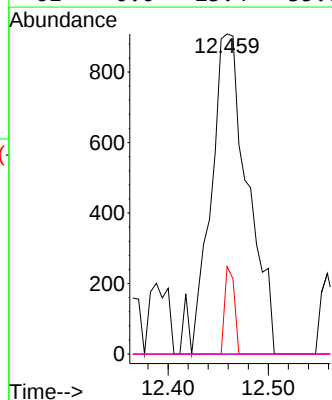
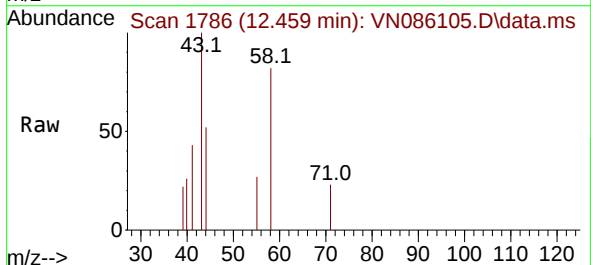
Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#10

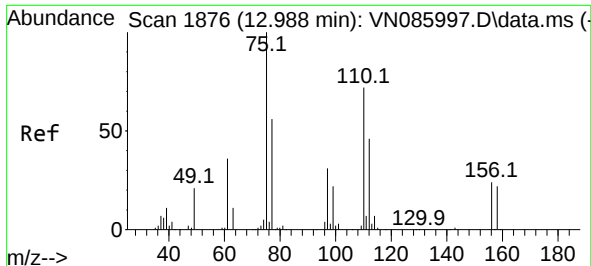
Tgt Ion:152 Resp: 109871
Ion Ratio Lower Upper
152 100
115 61.5 31.1 93.2
150 158.5 0.0 359.6



#74
N-ethyl acetate
Concen: 0.934 ug/l
RT: 12.459 min Scan# 1786
Delta R.T. -0.035 min
Lab File: VN086105.D
Acq: 25 Mar 2025 17:04

Tgt Ion: 43 Resp: 2345
Ion Ratio Lower Upper
43 100
70 0.0 43.0 64.4#
55 7.0 23.8 35.8#
61 0.0 23.4 35.0#

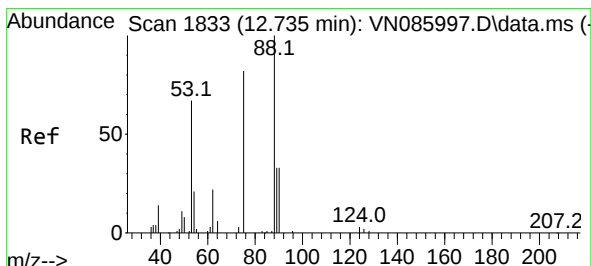
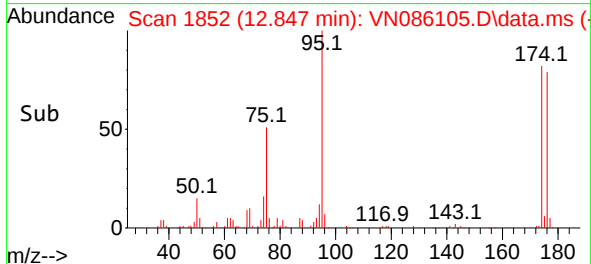
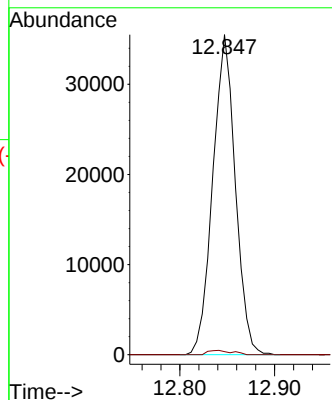
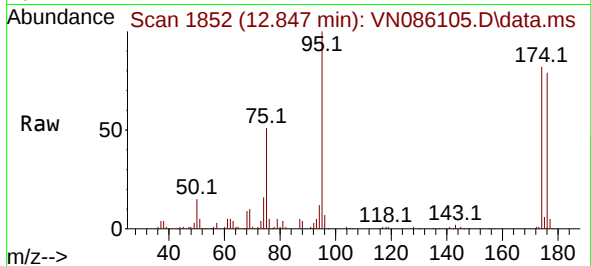




#76
1,2,3-Trichloropropane
Concen: 23.839 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086105.D
Acq: 25 Mar 2025 17:04

Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#10

Tgt Ion: 75 Resp: 58638
Ion Ratio Lower Upper
75 100
77 1.4 83.7 251.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.025 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086105.D
Acq: 25 Mar 2025 17:04

Tgt Ion: 75 Resp: 58638
Ion Ratio Lower Upper
75 100
53 0.1 66.0 99.0#
89 0.0 36.9 55.3#

