

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
 Data File : VN086099.D
 Acq On : 25 Mar 2025 14:40
 Operator : JC\MD
 Sample : PB167276ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

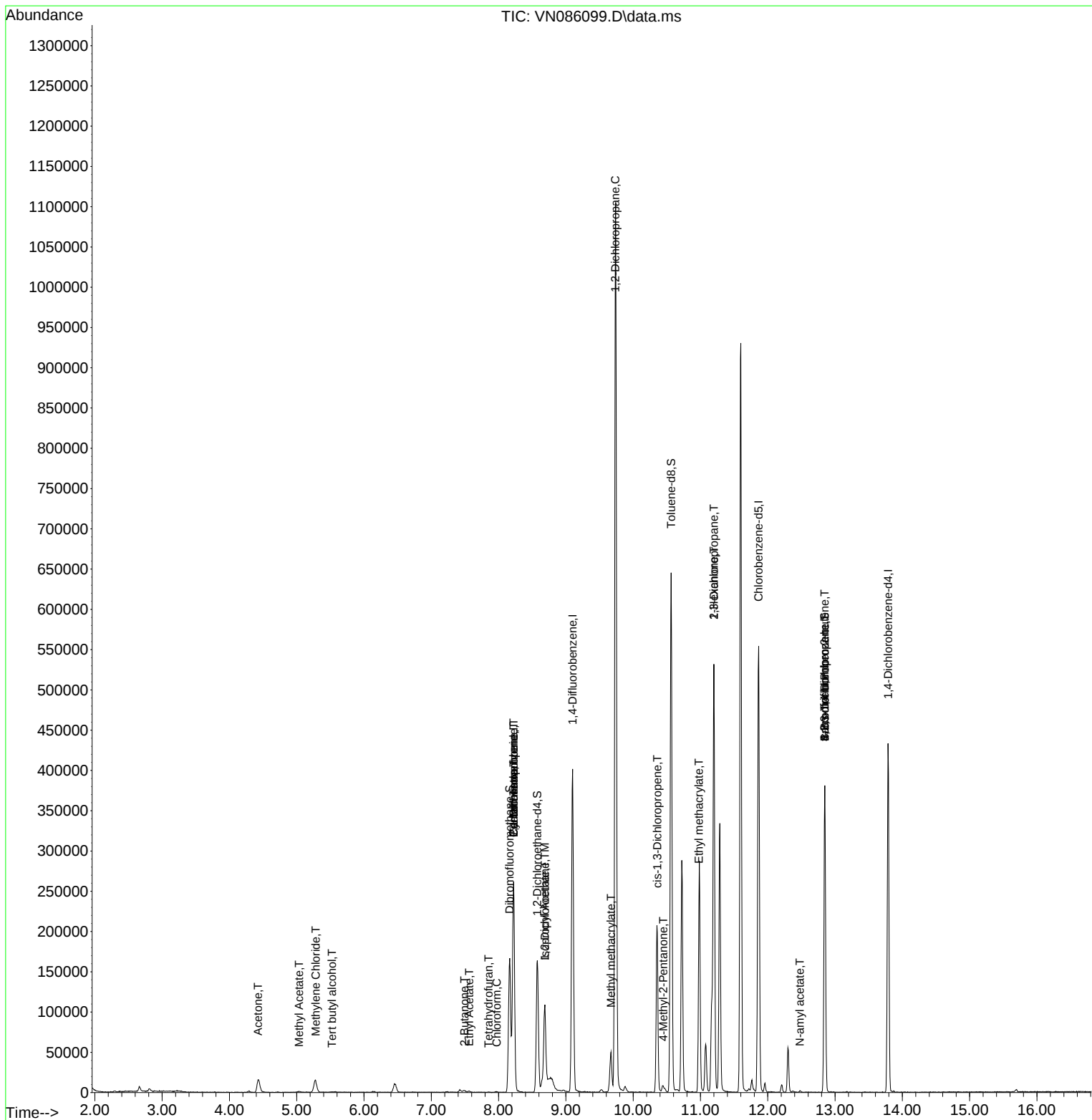
Instrument :
 MSVOA_N
 ClientSampleId :
 PB167276ZHE#04

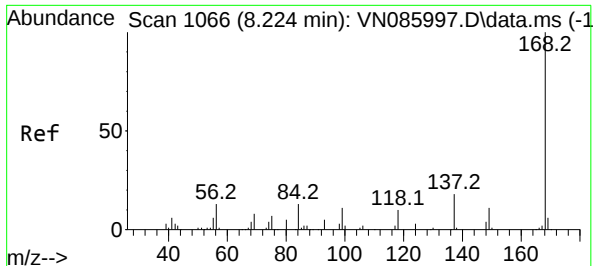
Quant Time: Mar 26 03:18:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	187420	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	351589	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	333283	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	122384	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	137800	53.694	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.380%	
35) Dibromofluoromethane	8.165	113	121920	49.681	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.360%	
50) Toluene-d8	10.565	98	452907	50.851	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.700%	
62) 4-Bromofluorobenzene	12.847	95	135397	42.627	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 85.260%	
Target Compounds						Qvalue
11) Tert butyl alcohol	5.524	59	507	1.395	ug/l #	73
16) Acetone	4.424	43	30010	38.275	ug/l	97
18) Methyl Acetate	5.036	43	2067	1.066	ug/l #	74
20) Methylene Chloride	5.283	84	12970	5.655	ug/l	91
25) 2-Butanone	7.494	43	4505	3.982	ug/l	98
29) Tetrahydrofuran	7.853	42	263	0.377	ug/l #	24
30) Chloroform	7.971	83	973	0.235	ug/l #	77
31) Cyclohexane	8.224	56	3846	1.203	ug/l #	30
36) 1,1-Dichloropropene	8.224	75	15411	4.769	ug/l #	49
37) Ethyl Acetate	7.565	43	2836	1.040	ug/l #	67
38) Carbon Tetrachloride	8.224	117	20034	4.715	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	876	0.248	ug/l #	74
43) Isopropyl Acetate	8.688	43	132140	22.369	ug/l #	81
45) 1,2-Dichloropropane	9.735	63	1414	0.613	ug/l #	44
48) Methyl methacrylate	9.671	41	2950	1.513	ug/l #	7
51) 4-Methyl-2-Pentanone	10.447	43	5223	2.005	ug/l	86
54) cis-1,3-Dichloropropene	10.359	75	41330	10.637	ug/l #	64
56) Ethyl methacrylate	10.977	69	1848	0.804	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6027	1.493	ug/l #	42
59) 2-Hexanone	11.200	43	55642	29.317	ug/l #	54
71) Bromoform	12.847	173	1025	0.432	ug/l #	1
74) N-amyl acetate	12.476	43	874	0.313	ug/l #	35
76) 1,2,3-Trichloropropane	12.847	75	66107	24.127	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	66107	63.788	ug/l #	16

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

Quant Time: Mar 26 03:18:11 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

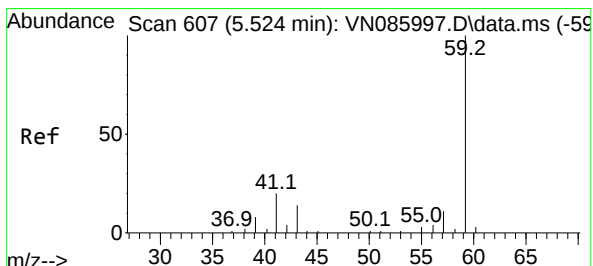
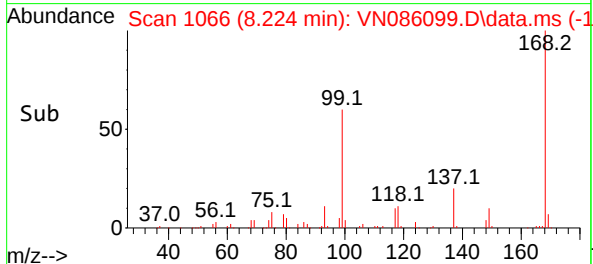
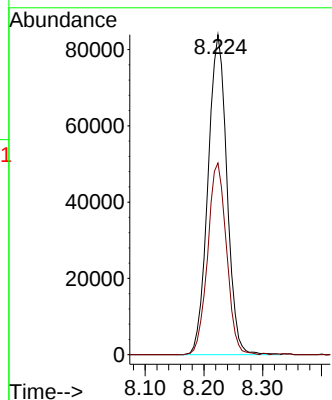
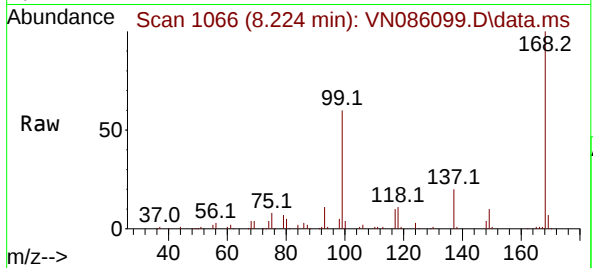




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086099.D
Acq: 25 Mar 2025 14:40

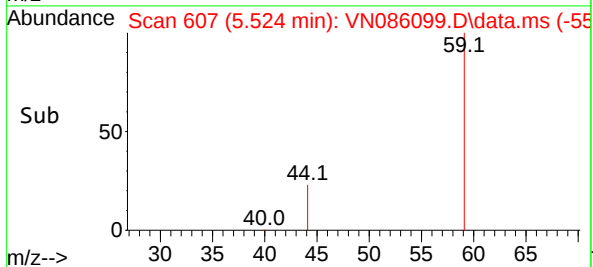
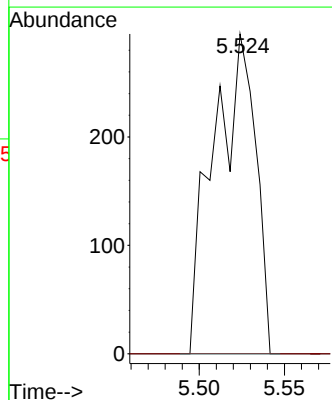
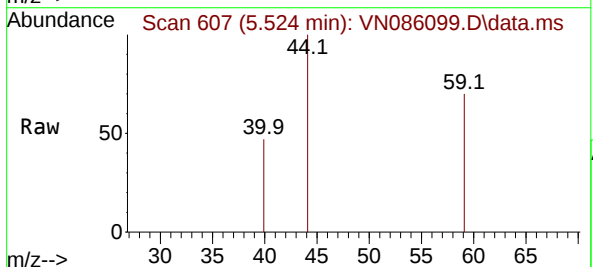
Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#04

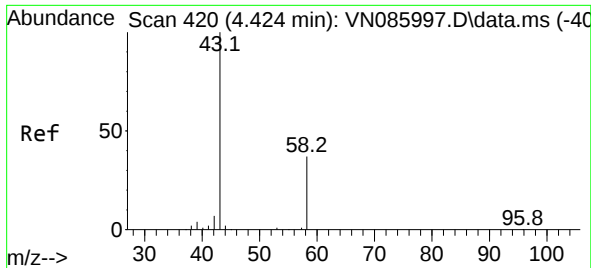
Tgt Ion:168 Resp: 187420
Ion Ratio Lower Upper
168 100
99 59.9 49.4 74.2



#11
Tert butyl alcohol
Concen: 1.395 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.000 min
Lab File: VN086099.D
Acq: 25 Mar 2025 14:40

Tgt Ion: 59 Resp: 507
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

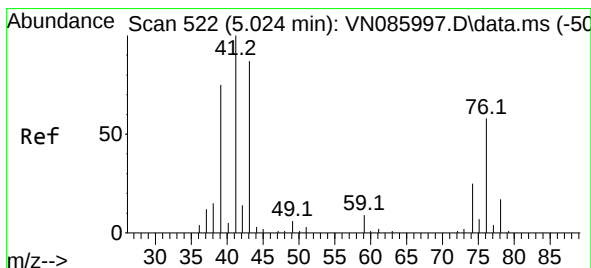
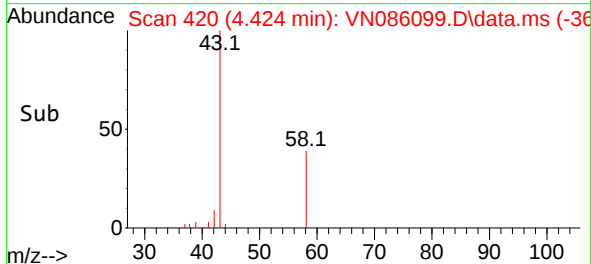
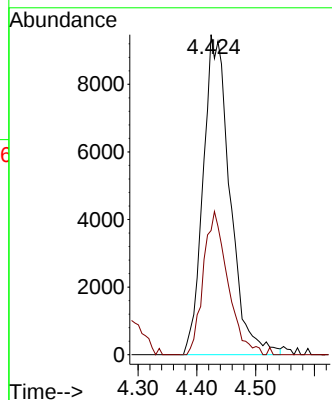
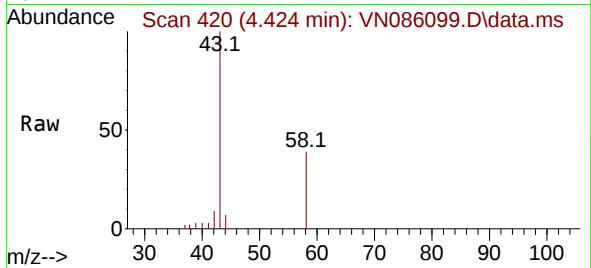




#16
Acetone
Concen: 38.275 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN086099.D
Acq: 25 Mar 2025 14:40

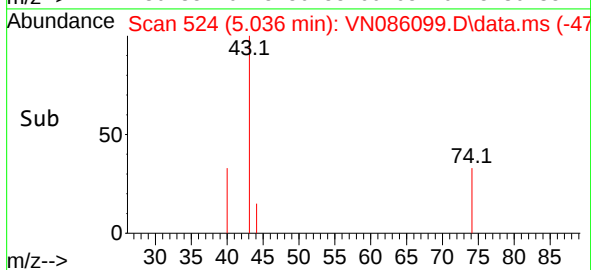
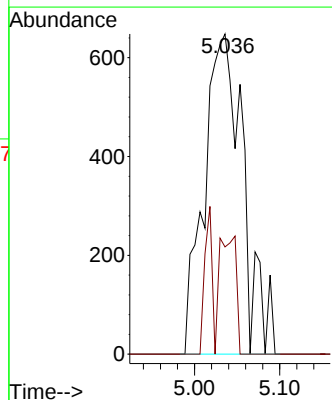
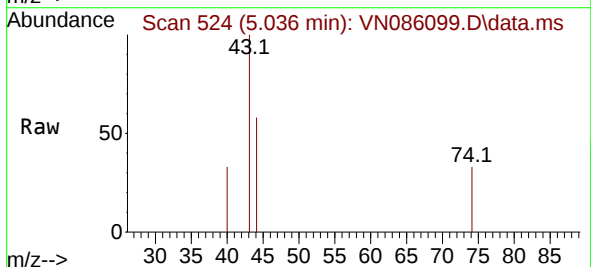
Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#04

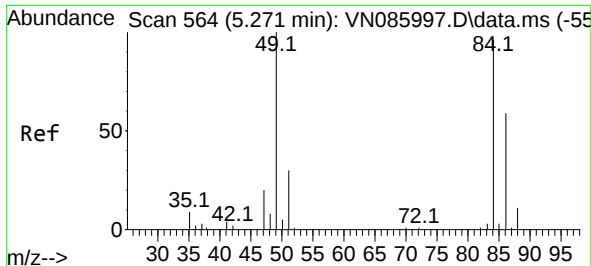
Tgt Ion: 43 Resp: 30010
Ion Ratio Lower Upper
43 100
58 38.8 29.4 44.2



#18
Methyl Acetate
Concen: 1.066 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN086099.D
Acq: 25 Mar 2025 14:40

Tgt Ion: 43 Resp: 2067
Ion Ratio Lower Upper
43 100
74 15.6 23.9 35.9#



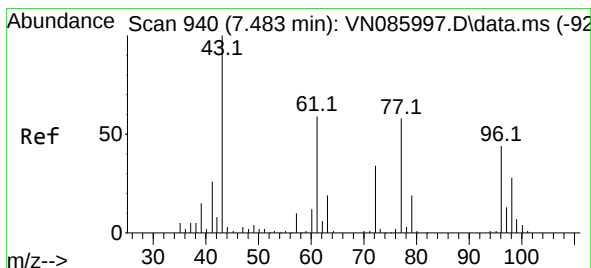
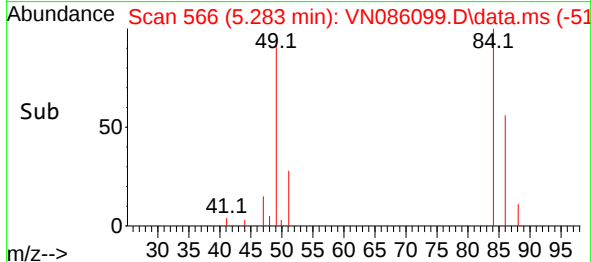
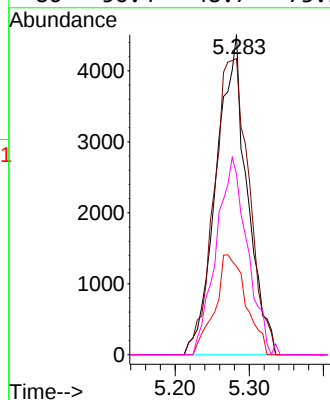
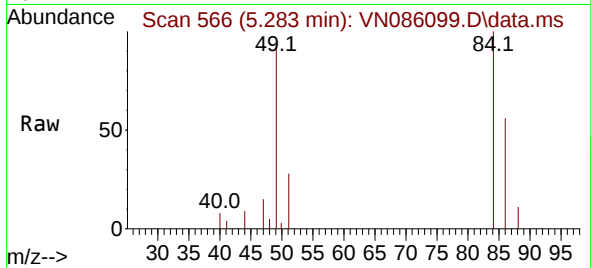


#20
Methylene Chloride
Concen: 5.655 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN086099.D
Acq: 25 Mar 2025 14:40

Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#04

Tgt Ion: 84 Resp: 12970

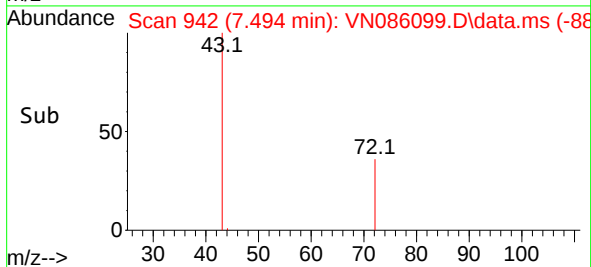
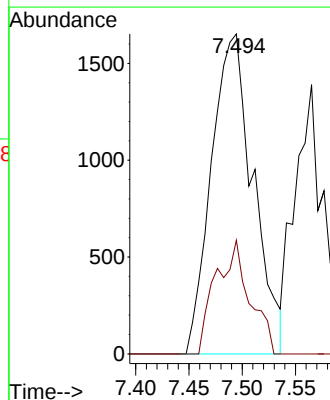
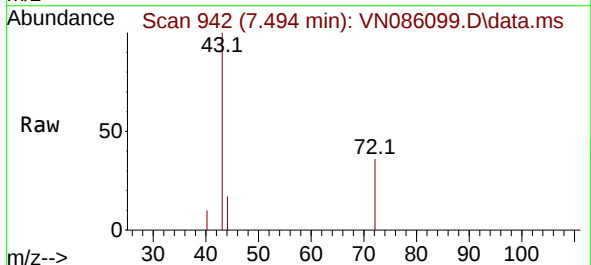
Ion	Ratio	Lower	Upper
84	100		
49	92.6	83.3	124.9
51	27.5	24.8	37.2
86	56.4	48.7	73.1

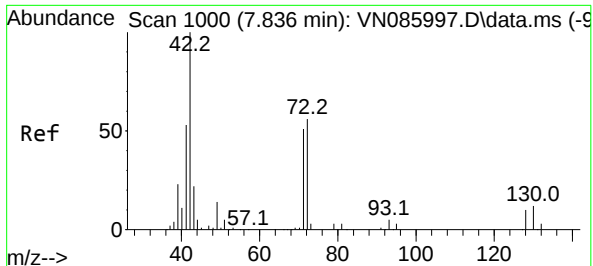


#25
2-Butanone
Concen: 3.982 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN086099.D
Acq: 25 Mar 2025 14:40

Tgt Ion: 43 Resp: 4505

Ion	Ratio	Lower	Upper
43	100		
72	35.5	27.4	41.0





#29

Tetrahydrofuran

Concen: 0.377 ug/l

RT: 7.853 min Scan# 1003

Delta R.T. 0.018 min

Lab File: VN086099.D

Acq: 25 Mar 2025 14:40

Instrument :

MSVOA_N

ClientSampleId :

PB167276ZHE#04

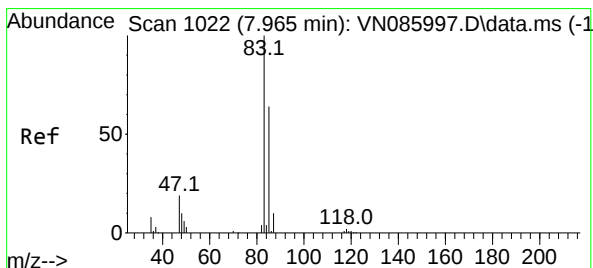
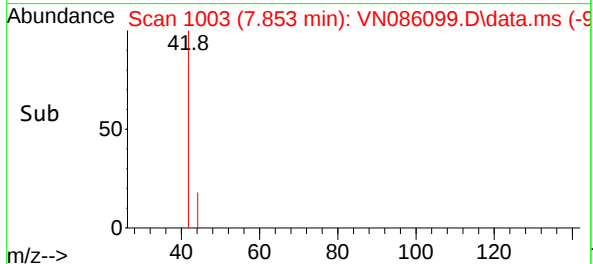
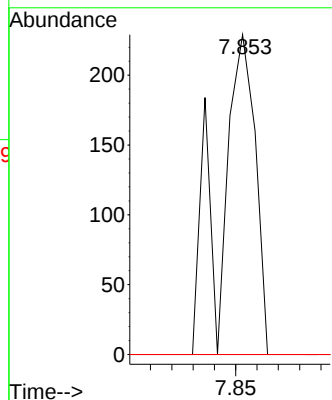
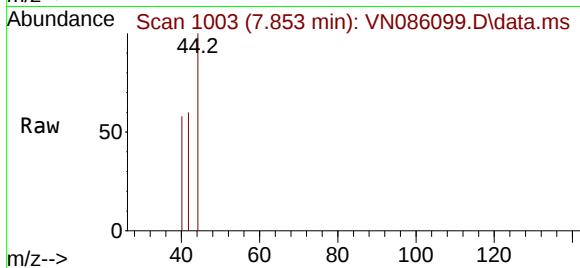
Tgt Ion: 42 Resp: 263

Ion Ratio Lower Upper

42 100

72 0.0 45.0 67.4#

71 0.0 41.9 62.9#



#30

Chloroform

Concen: 0.235 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. 0.006 min

Lab File: VN086099.D

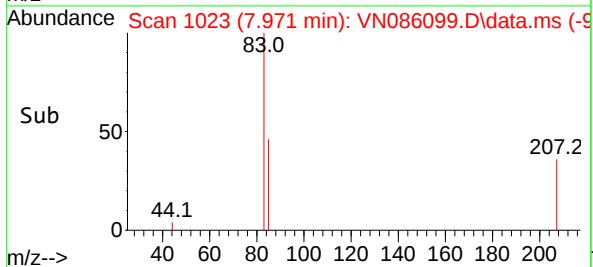
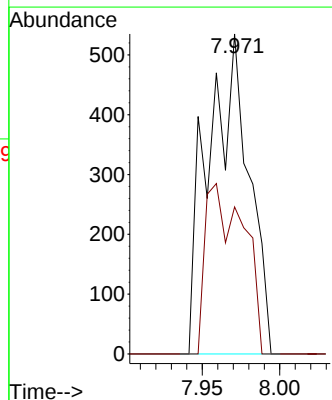
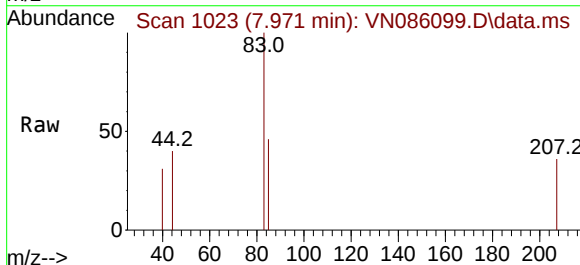
Acq: 25 Mar 2025 14:40

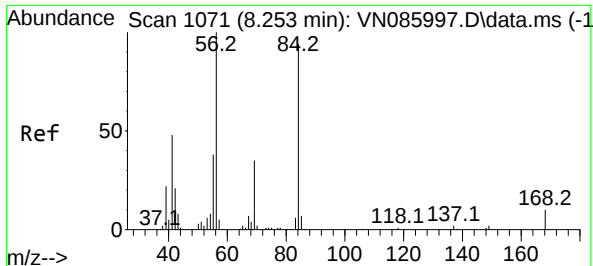
Tgt Ion: 83 Resp: 973

Ion Ratio Lower Upper

83 100

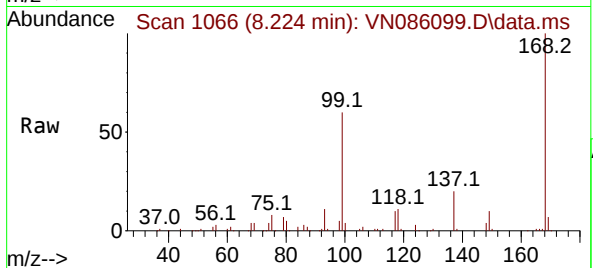
85 46.0 51.5 77.3#



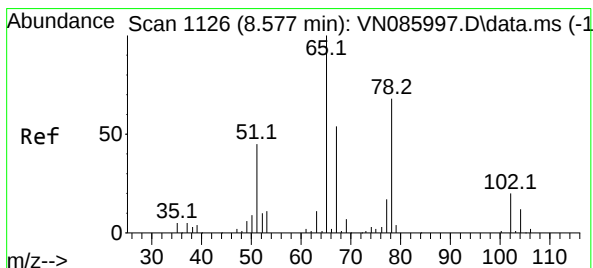
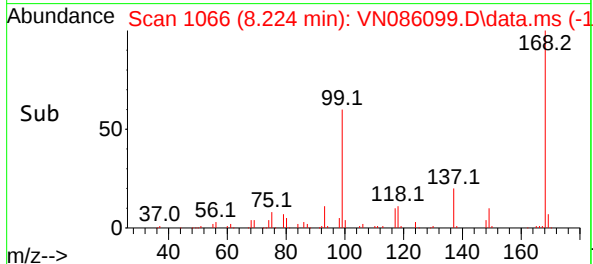
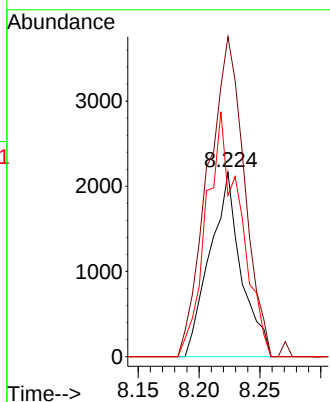


#31
Cyclohexane
Concen: 1.203 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN086099.D
Acq: 25 Mar 2025 14:40

Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#04

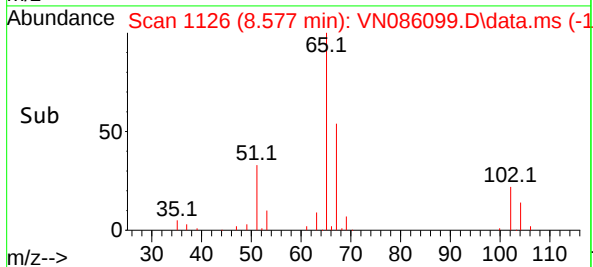
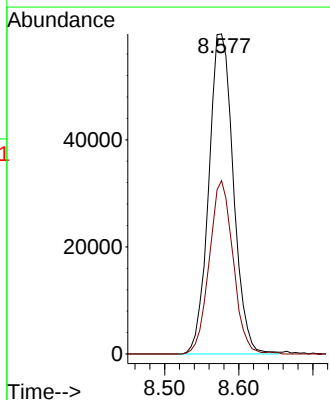
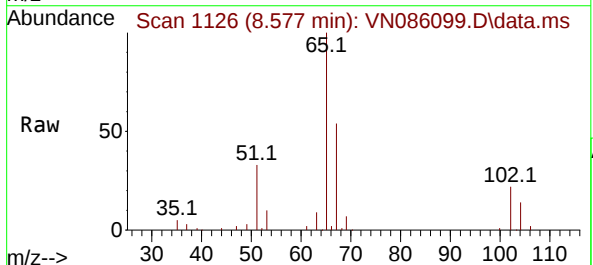


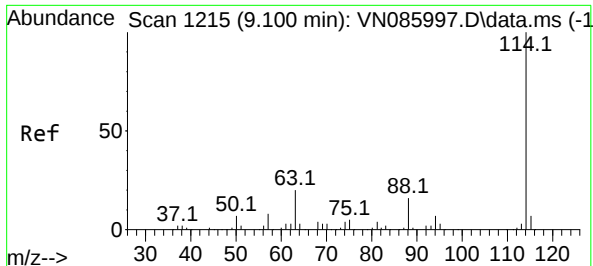
Tgt Ion: 56 Resp: 3846
Ion Ratio Lower Upper
56 100
69 173.6 28.0 42.0#
84 87.5 75.0 112.6



#33
1,2-Dichloroethane-d4
Concen: 53.694 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086099.D
Acq: 25 Mar 2025 14:40

Tgt Ion: 65 Resp: 137800
Ion Ratio Lower Upper
65 100
67 52.5 0.0 102.2

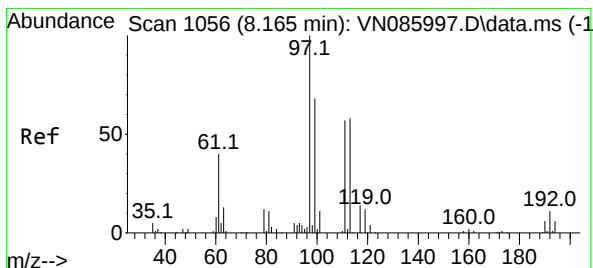
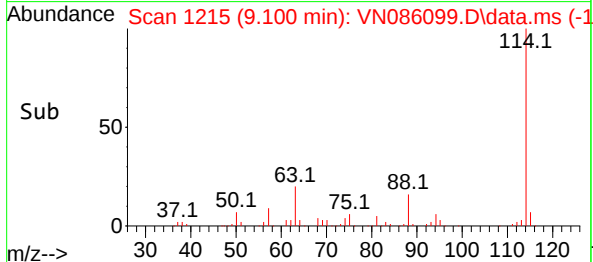
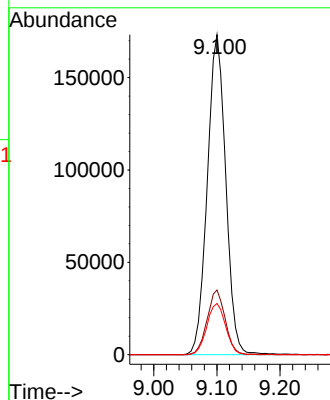
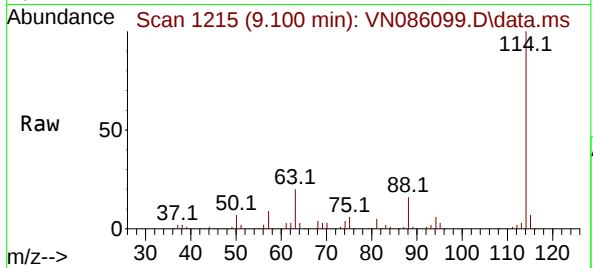




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086099.D
Acq: 25 Mar 2025 14:40

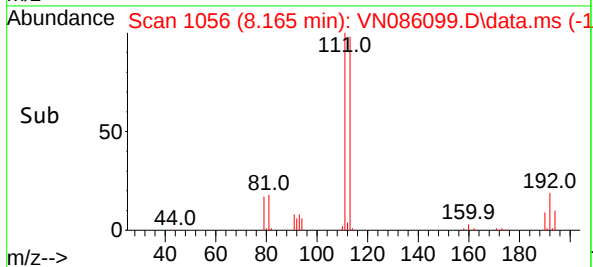
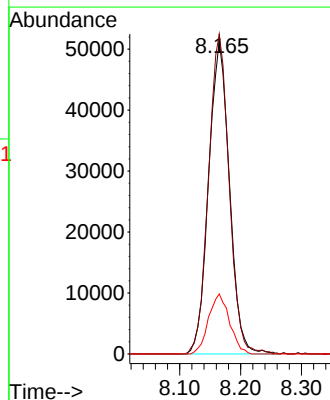
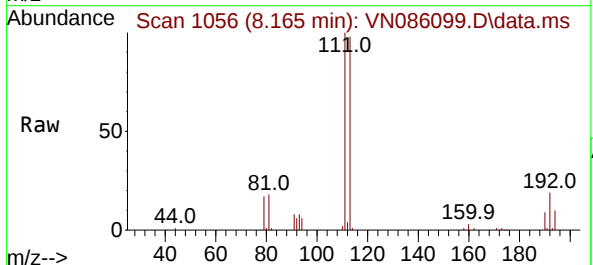
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PB167276ZHE#04

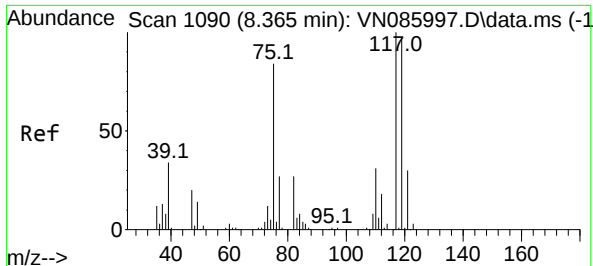
Tgt Ion:114 Resp: 351589
Ion Ratio Lower Upper
114 100
63 20.2 0.0 39.6
88 16.0 0.0 32.6



#35
Dibromofluoromethane
Concen: 49.681 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086099.D
Acq: 25 Mar 2025 14:40

Tgt Ion:113 Resp: 121920
Ion Ratio Lower Upper
113 100
111 101.3 81.8 122.8
192 19.3 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.769 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN086099.D

Acq: 25 Mar 2025 14:40

Instrument :

MSVOA_N

ClientSampleId :

PB167276ZHE#04

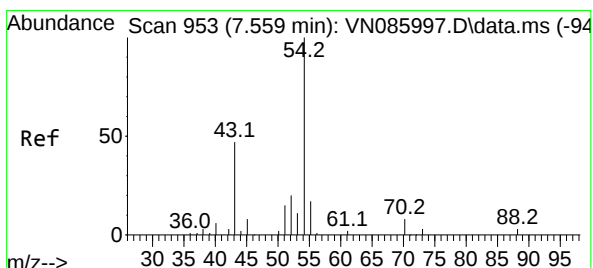
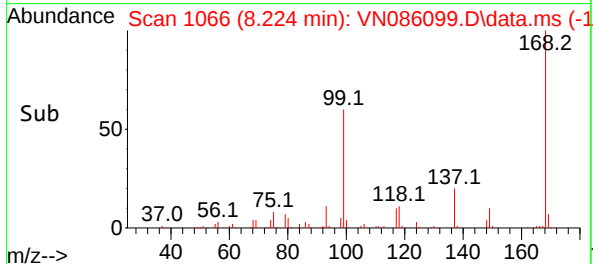
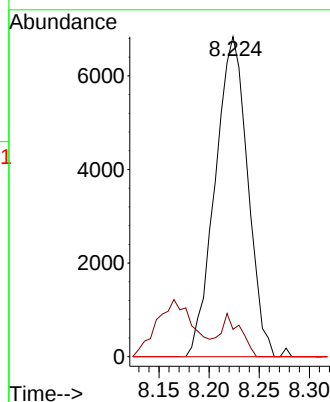
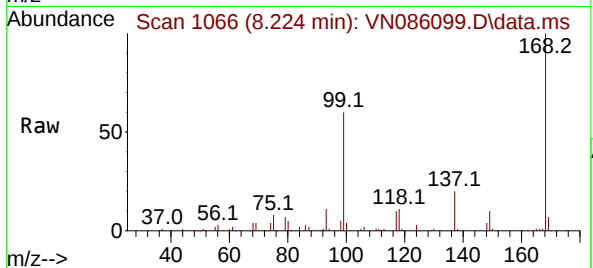
Tgt Ion: 75 Resp: 15411

Ion Ratio Lower Upper

75 100

110 8.5 17.8 53.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.040 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.006 min

Lab File: VN086099.D

Acq: 25 Mar 2025 14:40

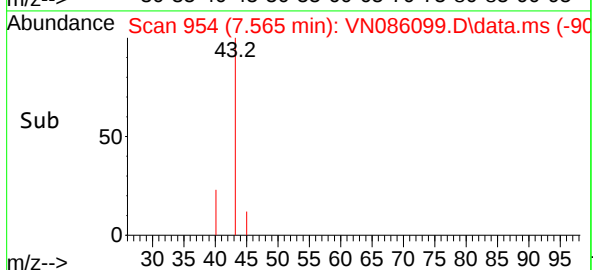
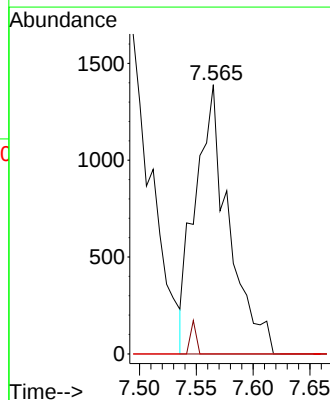
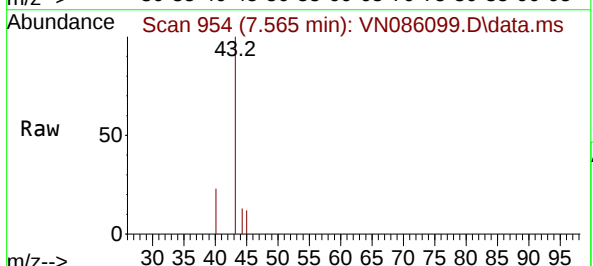
Tgt Ion: 43 Resp: 2836

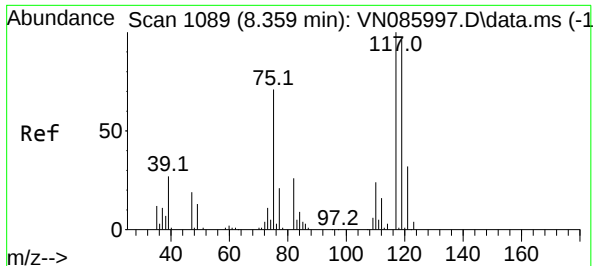
Ion Ratio Lower Upper

43 100

61 2.2 13.0 19.4#

70 0.0 11.0 16.6#

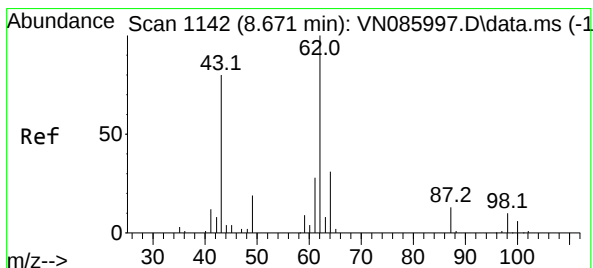
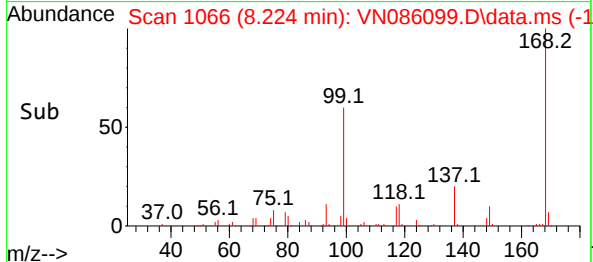
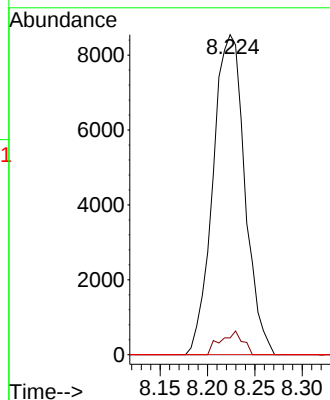
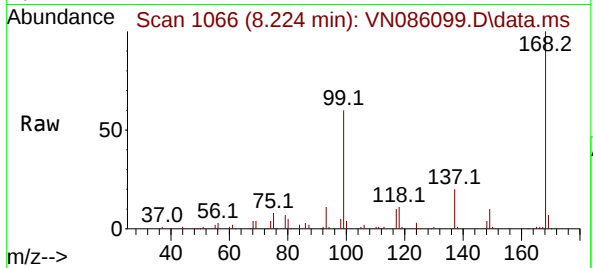




#38
Carbon Tetrachloride
Concen: 4.715 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN086099.D
Acq: 25 Mar 2025 14:40

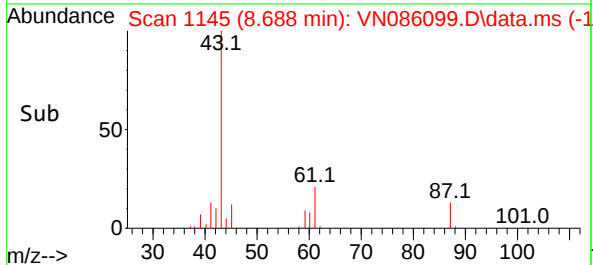
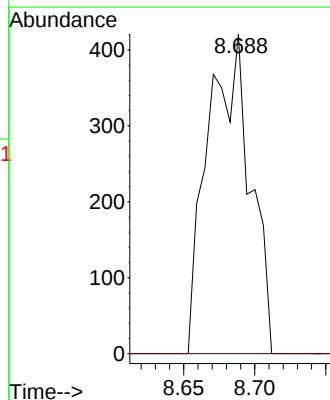
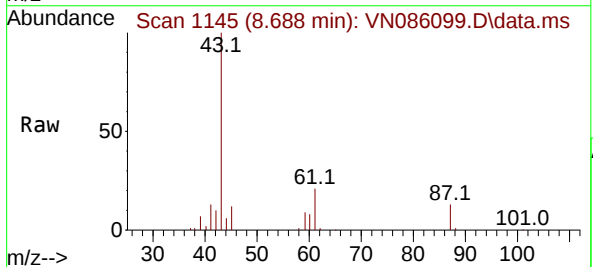
Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#04

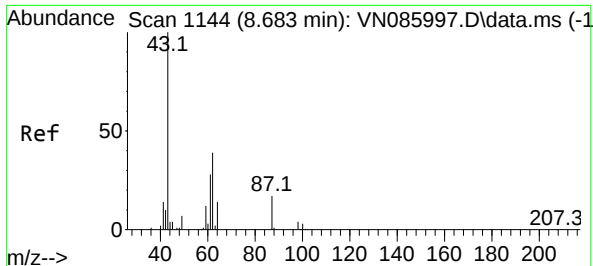
Tgt Ion:117 Resp: 20034
Ion Ratio Lower Upper
117 100
119 5.2 77.0 115.4#
121 0.0 25.6 38.4#



#42
1,2-Dichloroethane
Concen: 0.248 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.018 min
Lab File: VN086099.D
Acq: 25 Mar 2025 14:40

Tgt Ion: 62 Resp: 876
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.6





#43

Isopropyl Acetate

Concen: 22.369 ug/l

RT: 8.688 min Scan# 1144

Delta R.T. 0.006 min

Lab File: VN086099.D

Acq: 25 Mar 2025 14:40

Instrument :

MSVOA_N

ClientSampleId :

PB167276ZHE#04

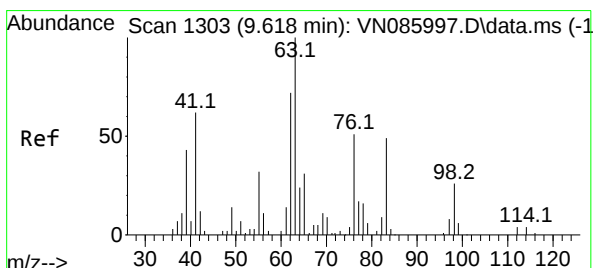
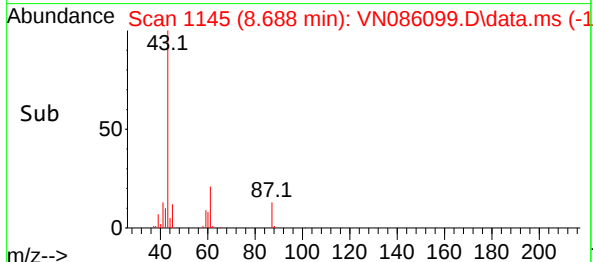
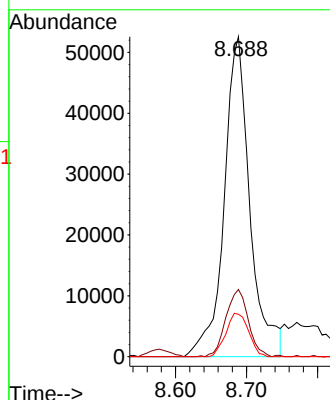
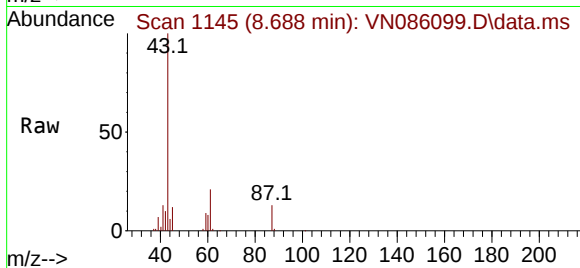
Tgt Ion: 43 Resp: 132140

Ion Ratio Lower Upper

43 100

61 18.3 25.0 37.6#

87 12.0 13.0 19.4#



#45

1,2-Dichloropropane

Concen: 0.613 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.118 min

Lab File: VN086099.D

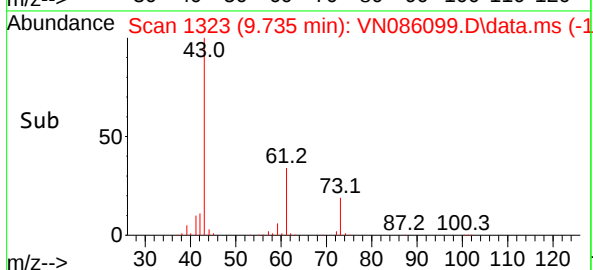
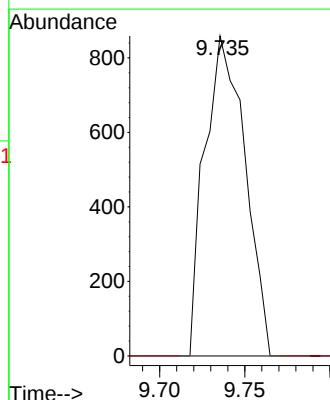
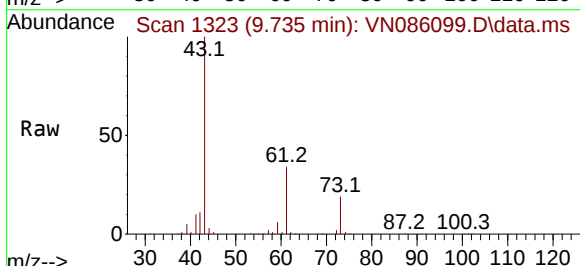
Acq: 25 Mar 2025 14:40

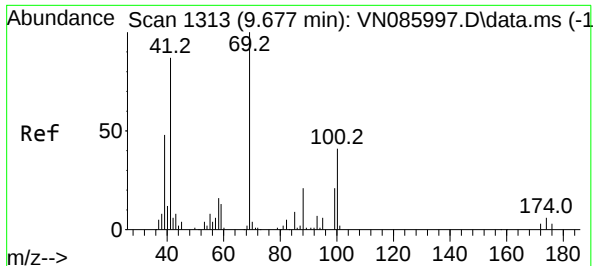
Tgt Ion: 63 Resp: 1414

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#





#48

Methyl methacrylate

Concen: 1.513 ug/l

RT: 9.671 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN086099.D

Acq: 25 Mar 2025 14:40

Instrument :

MSVOA_N

ClientSampleId :

PB167276ZHE#04

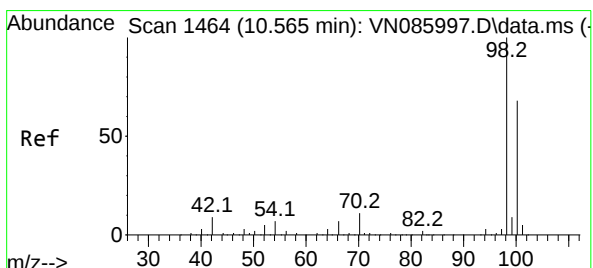
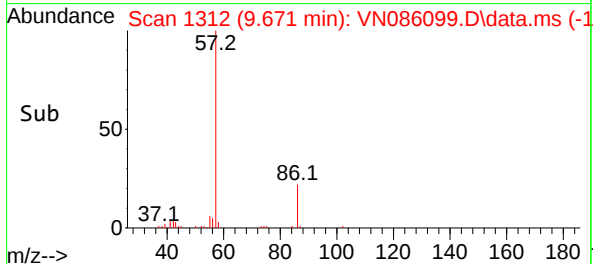
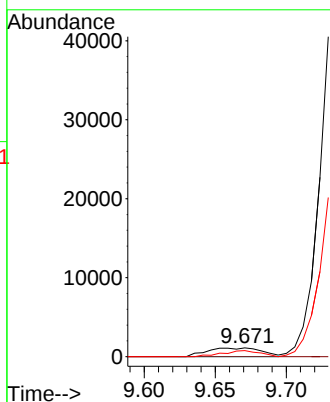
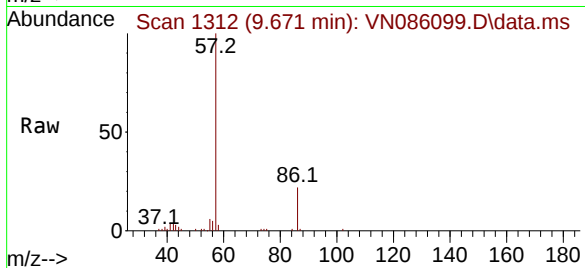
Tgt Ion: 41 Resp: 2950

Ion Ratio Lower Upper

41 100

69 0.0 83.1 124.7#

39 0.0 45.6 68.4#



#50

Toluene-d8

Concen: 50.851 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086099.D

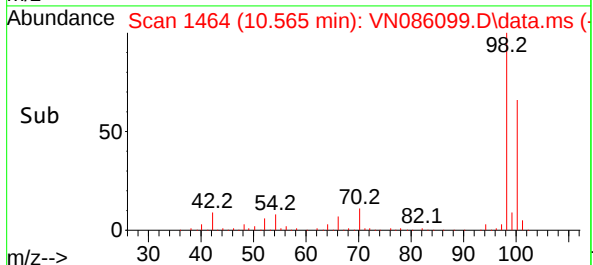
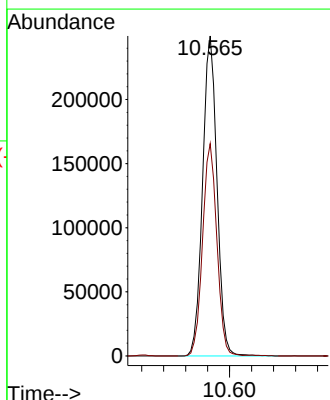
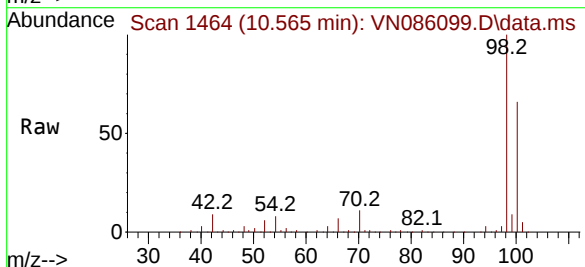
Acq: 25 Mar 2025 14:40

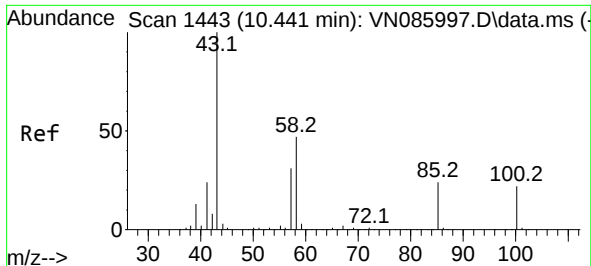
Tgt Ion: 98 Resp: 452907

Ion Ratio Lower Upper

98 100

100 65.9 53.1 79.7

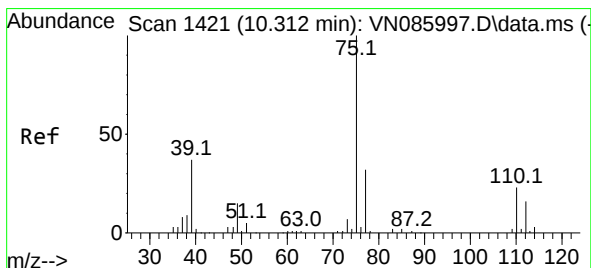
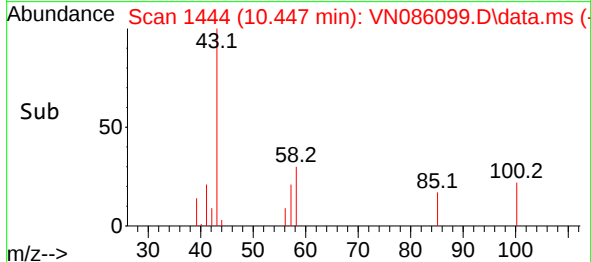
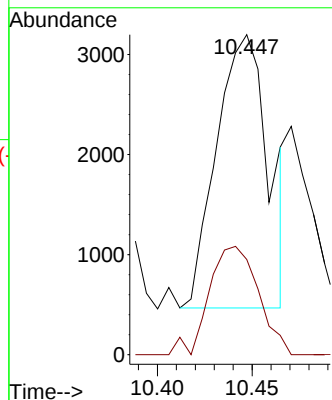
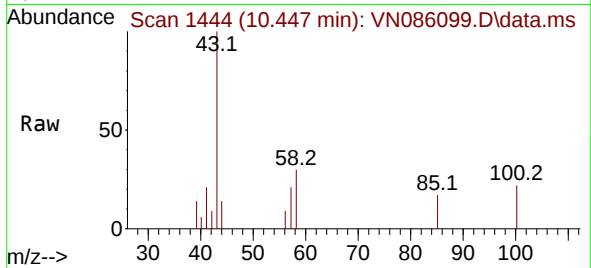




#51
4-Methyl-2-Pentanone
Concen: 2.005 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN086099.D
Acq: 25 Mar 2025 14:40

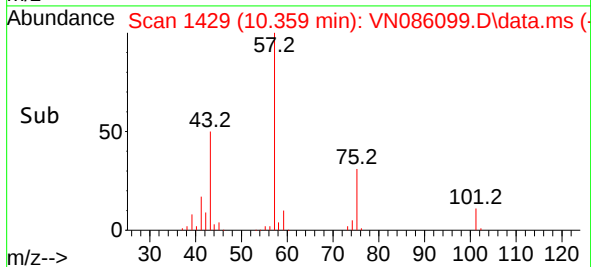
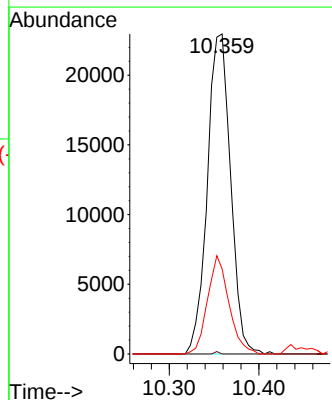
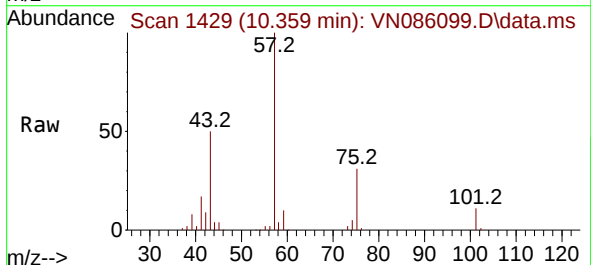
Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#04

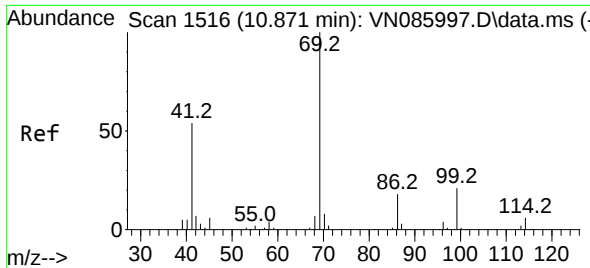
Tgt Ion: 43 Resp: 5223
Ion Ratio Lower Upper
43 100
58 37.5 37.4 56.0



#54
cis-1,3-Dichloropropene
Concen: 10.637 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN086099.D
Acq: 25 Mar 2025 14:40

Tgt Ion: 75 Resp: 41330
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 26.5 29.6 44.4#

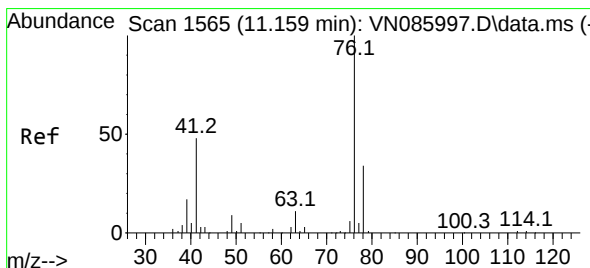
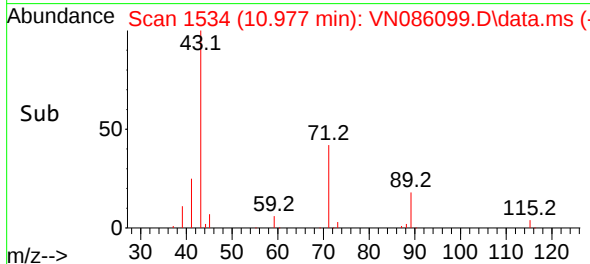
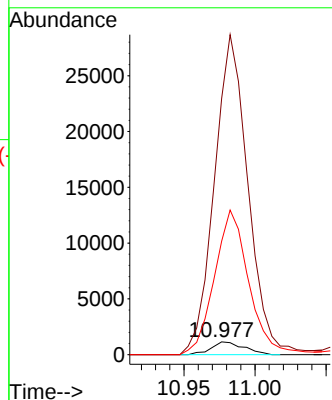
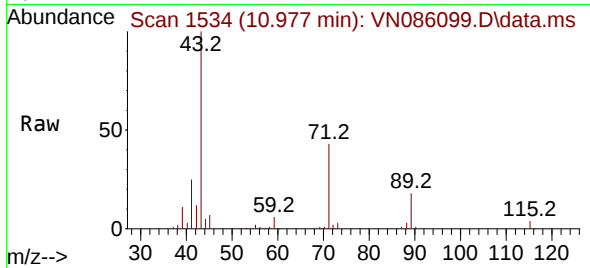




#56
Ethyl methacrylate
Concen: 0.804 ug/l
RT: 10.977 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN086099.D
Acq: 25 Mar 2025 14:40

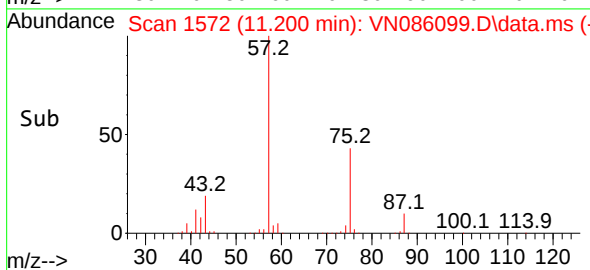
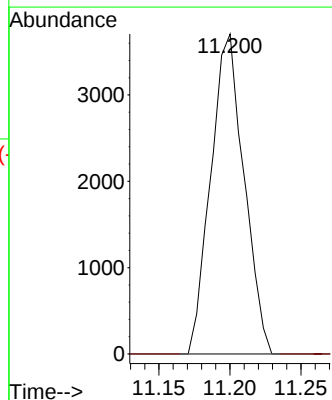
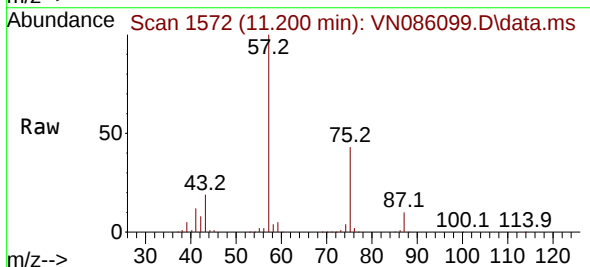
Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#04

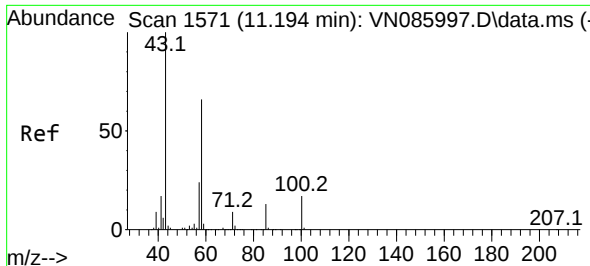
Tgt Ion: 69 Resp: 1848
Ion Ratio Lower Upper
69 100
41 2557.0 41.6 62.4#
39 1184.5 21.8 32.8#



#57
1,3-Dichloropropane
Concen: 1.493 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN086099.D
Acq: 25 Mar 2025 14:40

Tgt Ion: 76 Resp: 6027
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

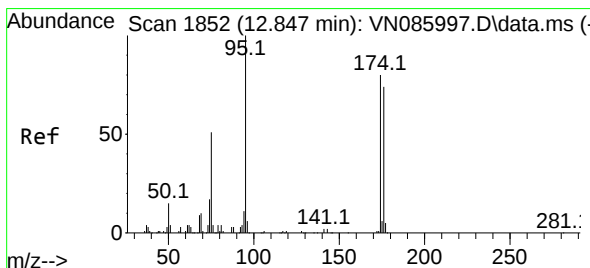
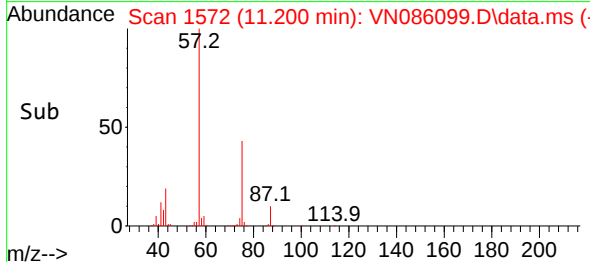
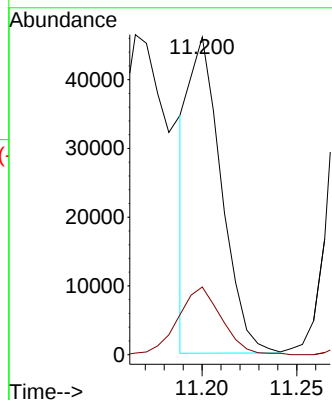
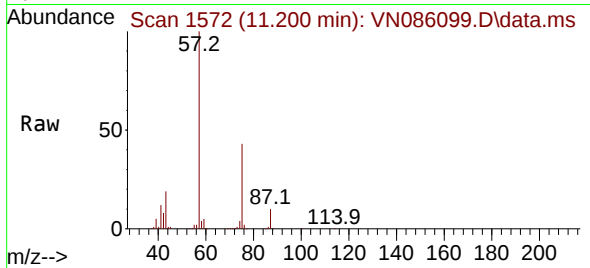




#59
2-Hexanone
Concen: 29.317 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086099.D
Acq: 25 Mar 2025 14:40

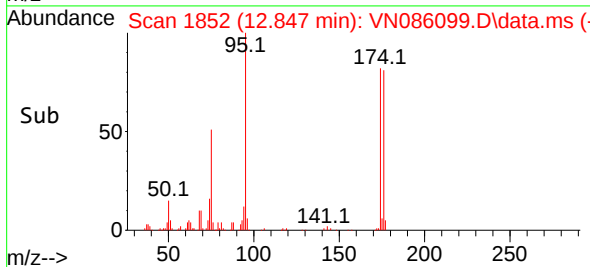
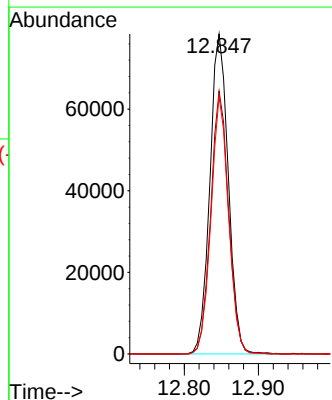
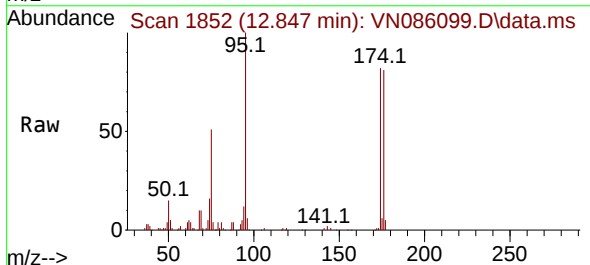
Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#04

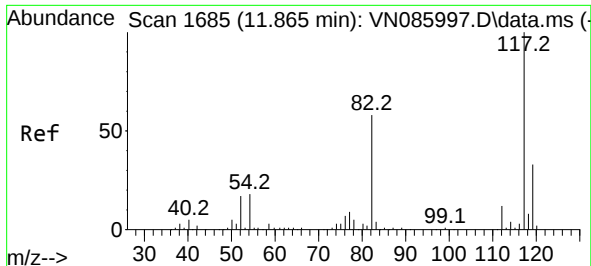
Tgt Ion: 43 Resp: 55642
Ion Ratio Lower Upper
43 100
58 28.4 32.4 97.2#



#62
4-Bromofluorobenzene
Concen: 42.627 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086099.D
Acq: 25 Mar 2025 14:40

Tgt Ion: 95 Resp: 135397
Ion Ratio Lower Upper
95 100
174 80.2 0.0 156.8
176 76.5 0.0 152.2

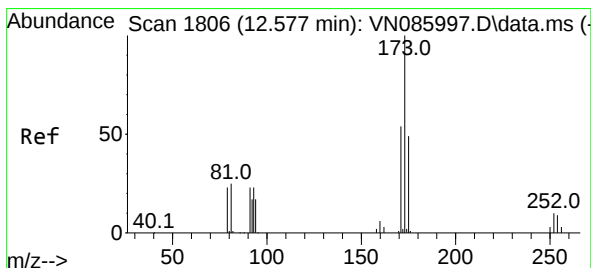
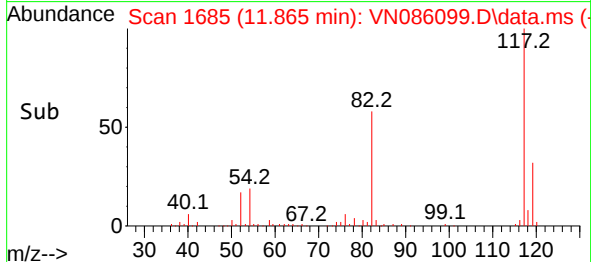
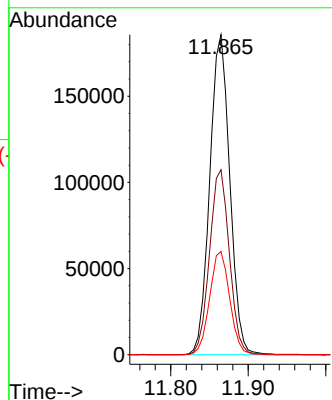
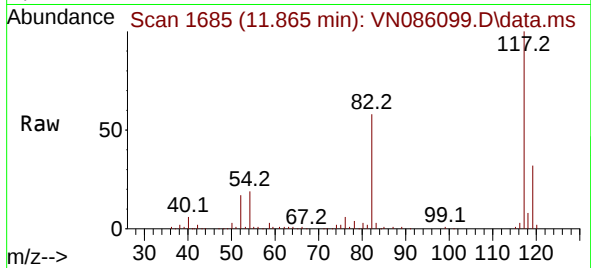




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086099.D
Acq: 25 Mar 2025 14:40

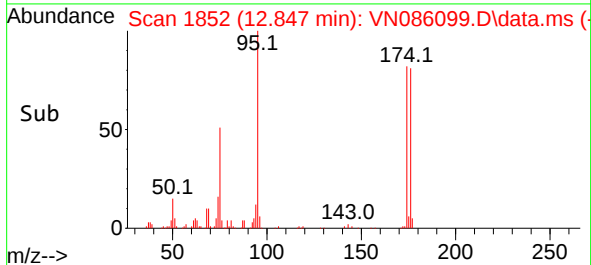
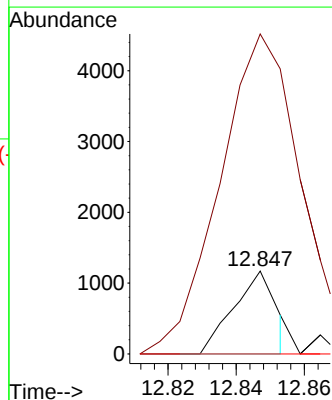
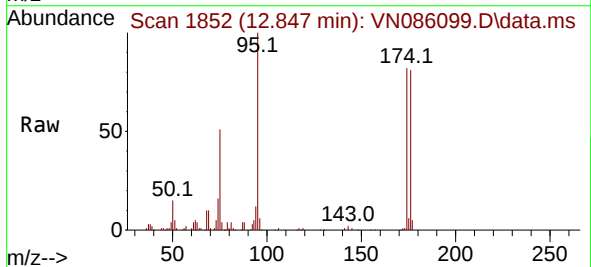
Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#04

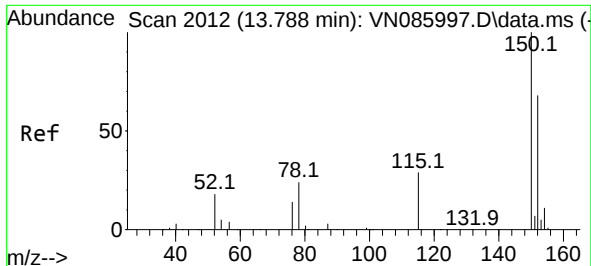
Tgt Ion:117 Resp: 333283
Ion Ratio Lower Upper
117 100
82 57.8 46.7 70.1
119 32.3 26.5 39.7



#71
Bromoform
Concen: 0.432 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.270 min
Lab File: VN086099.D
Acq: 25 Mar 2025 14:40

Tgt Ion:173 Resp: 1025
Ion Ratio Lower Upper
173 100
175 576.5 24.3 73.0#
254 0.0 0.0 0.0

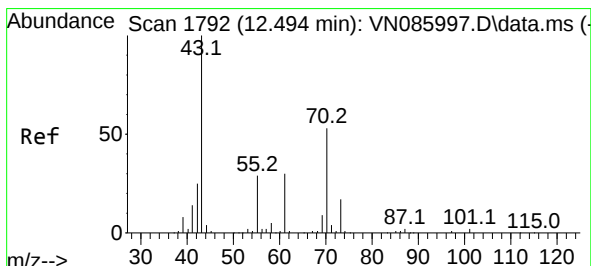
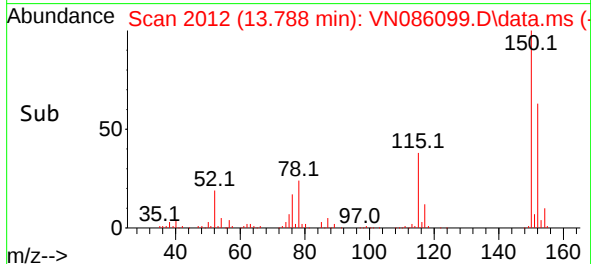
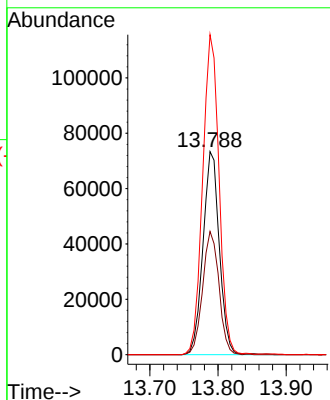
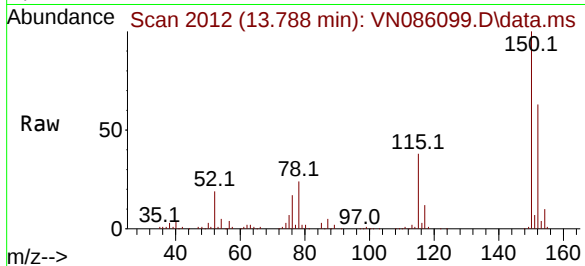




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN086099.D
Acq: 25 Mar 2025 14:40

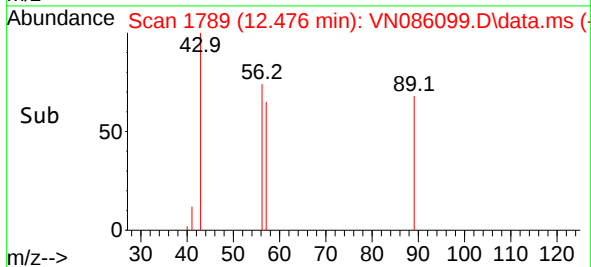
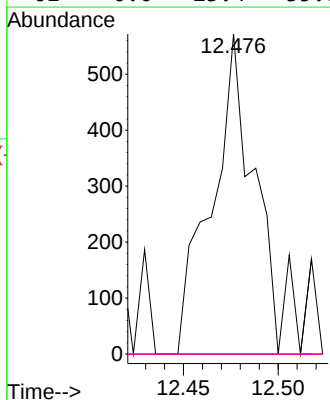
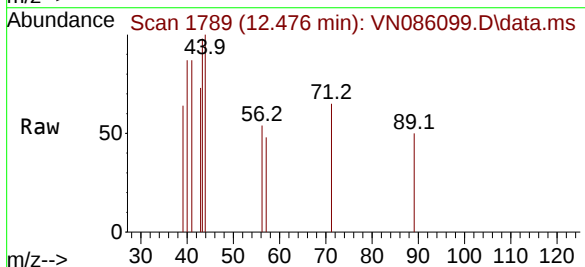
Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#04

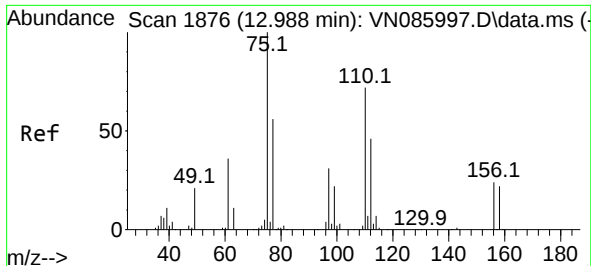
Tgt Ion:152 Resp: 122384
Ion Ratio Lower Upper
152 100
115 60.5 31.1 93.2
150 158.1 0.0 359.6



#74
N-ethyl acetate
Concen: 0.313 ug/l
RT: 12.476 min Scan# 1789
Delta R.T. -0.018 min
Lab File: VN086099.D
Acq: 25 Mar 2025 14:40

Tgt Ion: 43 Resp: 874
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#

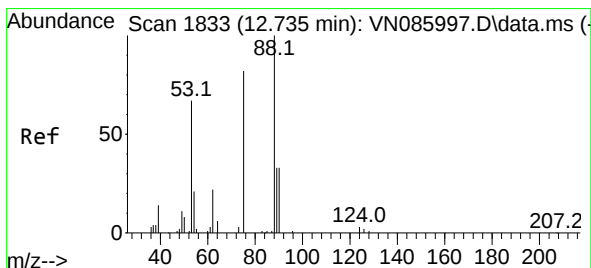
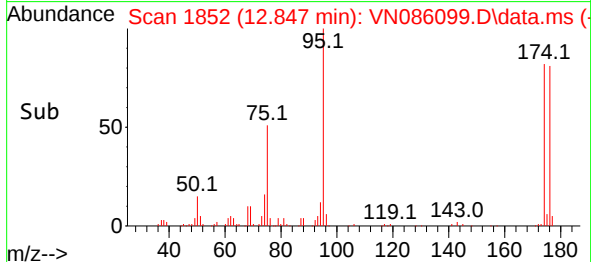
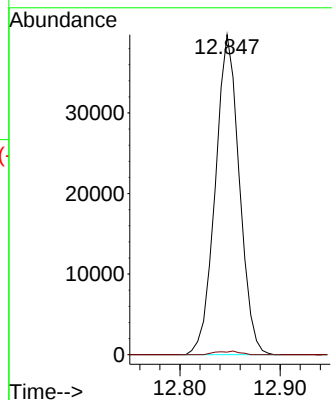
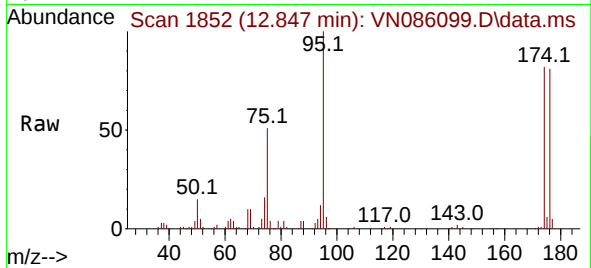




#76
1,2,3-Trichloropropane
Concen: 24.127 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086099.D
Acq: 25 Mar 2025 14:40

Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#04

Tgt Ion: 75 Resp: 66107
Ion Ratio Lower Upper
75 100
77 1.1 83.7 251.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.788 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086099.D
Acq: 25 Mar 2025 14:40

Tgt Ion: 75 Resp: 66107
Ion Ratio Lower Upper
75 100
53 0.0 66.0 99.0#
89 0.0 36.9 55.3#

