

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
 Data File : VN086097.D
 Acq On : 25 Mar 2025 13:52
 Operator : JC\MD
 Sample : PB167276ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167276ZHE#02

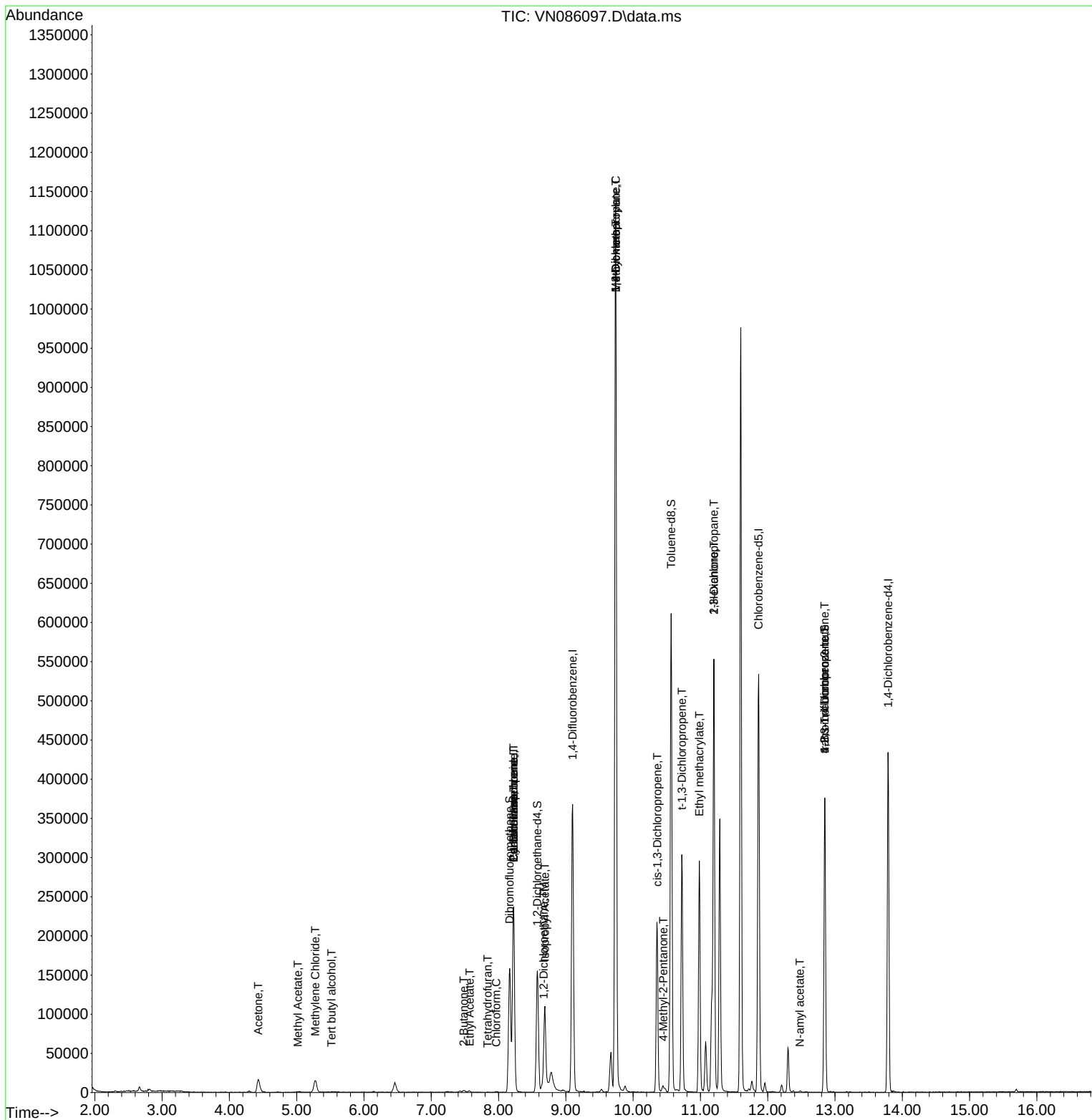
Quant Time: Mar 26 03:17:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

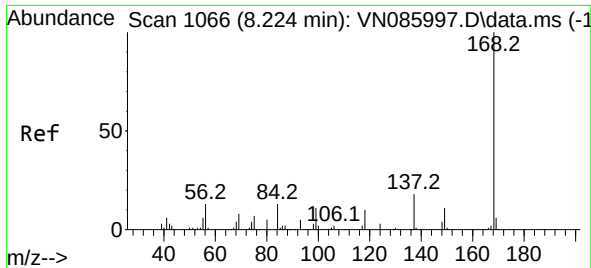
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	173941	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	331060	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	320764	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	123627	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	130297	54.704	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.400%			
35) Dibromofluoromethane	8.165	113	116070	50.230	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.460%			
50) Toluene-d8	10.565	98	428386	51.081	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.160%			
62) 4-Bromofluorobenzene	12.847	95	133356	44.588	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 89.180%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.518	59	364	1.079	ug/l #	73
16) Acetone	4.430	43	31064	42.689	ug/l	99
18) Methyl Acetate	5.018	43	1210	0.672	ug/l #	58
20) Methylene Chloride	5.277	84	13194	6.198	ug/l	96
25) 2-Butanone	7.483	43	4619	4.399	ug/l #	84
29) Tetrahydrofuran	7.836	42	145	0.224	ug/l #	24
30) Chloroform	7.965	83	1106	0.287	ug/l	96
31) Cyclohexane	8.224	56	3667	1.236	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	13795	4.534	ug/l #	49
37) Ethyl Acetate	7.571	43	2630	1.025	ug/l #	79
38) Carbon Tetrachloride	8.224	117	17919	4.479	ug/l #	15
42) 1,2-Dichloroethane	8.671	62	847	0.254	ug/l #	74
43) Isopropyl Acetate	8.688	43	124701	22.418	ug/l #	84
45) 1,2-Dichloropropane	9.741	63	1738	0.800	ug/l #	44
48) Methyl methacrylate	9.741	41	96874	52.777	ug/l #	31
49) 1,4-Dioxane	9.741	88	62	1.429	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	9426	3.842	ug/l #	66
53) t-1,3-Dichloropropene	10.724	75	843	0.243	ug/l	99
54) cis-1,3-Dichloropropene	10.359	75	41935	11.462	ug/l #	64
56) Ethyl methacrylate	10.982	69	1590	0.751	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6427	1.691	ug/l #	42
59) 2-Hexanone	11.200	43	56152	31.421	ug/l #	53
74) N-amyl acetate	12.476	43	1202	0.426	ug/l #	35
76) 1,2,3-Trichloropropane	12.847	75	64557	23.325	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	64557	61.666	ug/l #	16

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

Quant Time: Mar 26 03:17:02 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

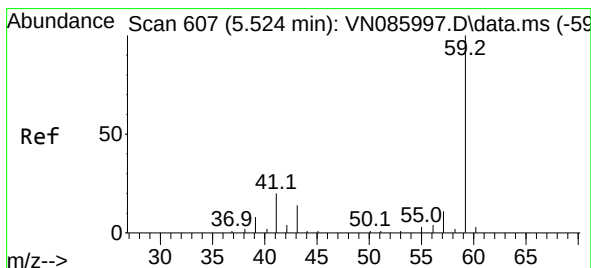
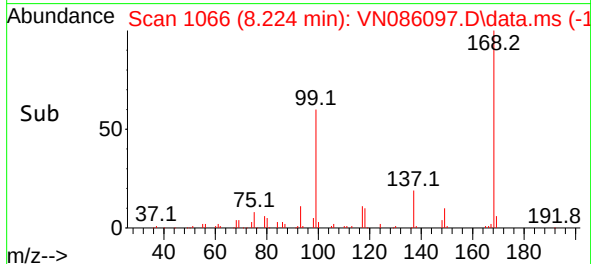
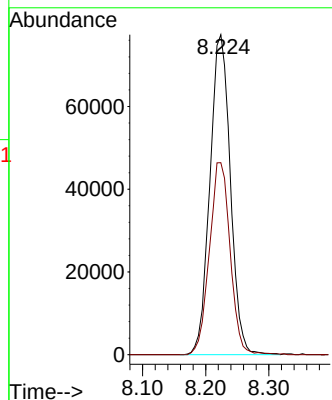
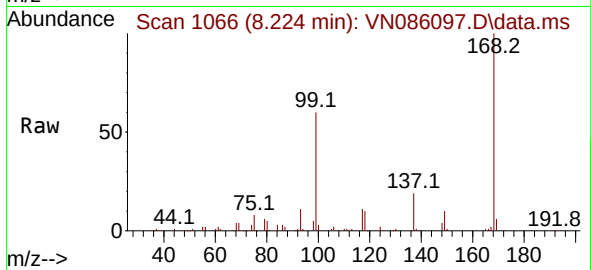




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086097.D
Acq: 25 Mar 2025 13:52

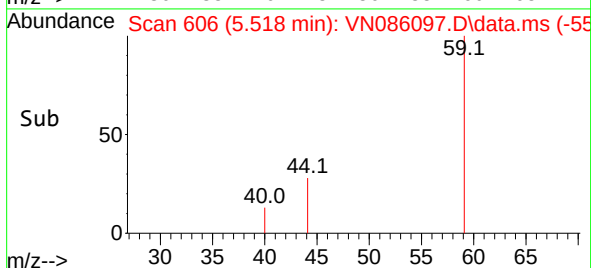
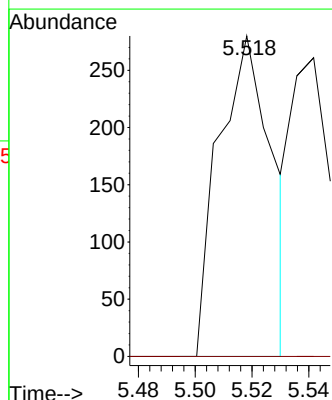
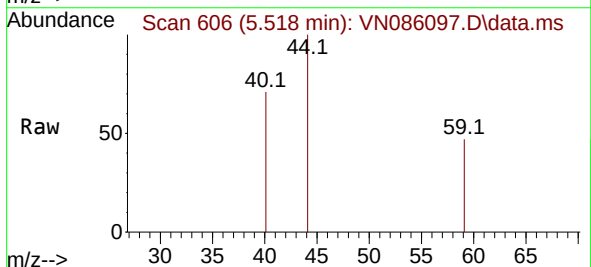
Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#02

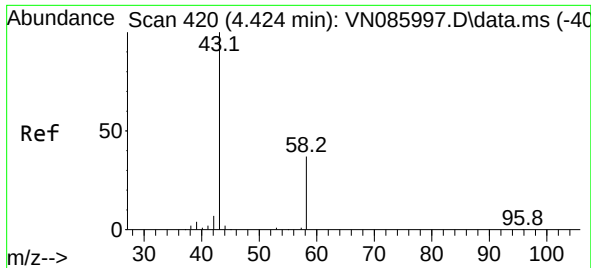
Tgt Ion:168 Resp: 173941
Ion Ratio Lower Upper
168 100
99 60.0 49.4 74.2



#11
Tert butyl alcohol
Concen: 1.079 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.006 min
Lab File: VN086097.D
Acq: 25 Mar 2025 13:52

Tgt Ion: 59 Resp: 364
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#





#16

Acetone

Concen: 42.689 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN086097.D

Acq: 25 Mar 2025 13:52

Instrument :

MSVOA_N

ClientSampleId :

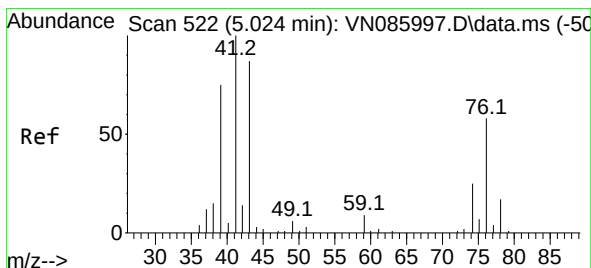
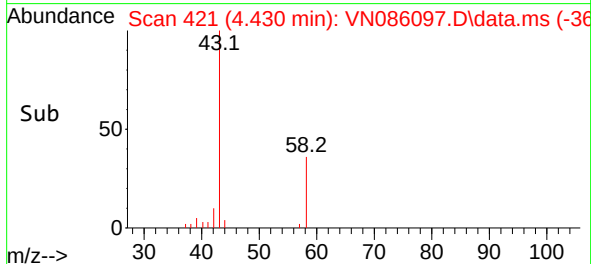
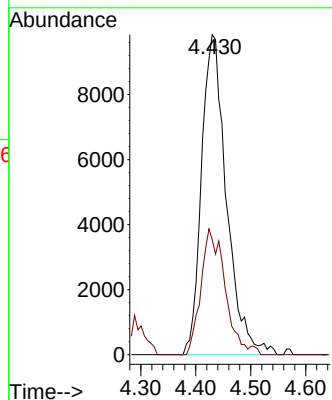
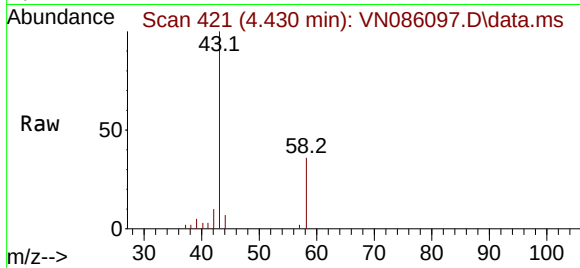
PB167276ZHE#02

Tgt Ion: 43 Resp: 31064

Ion Ratio Lower Upper

43 100

58 36.0 29.4 44.2



#18

Methyl Acetate

Concen: 0.672 ug/l

RT: 5.018 min Scan# 521

Delta R.T. -0.006 min

Lab File: VN086097.D

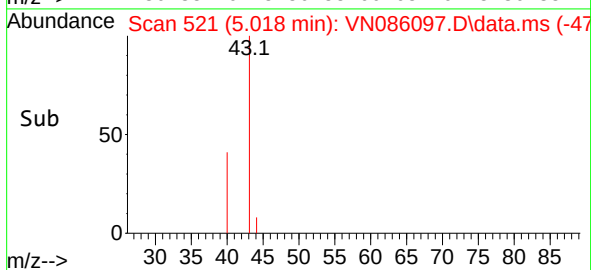
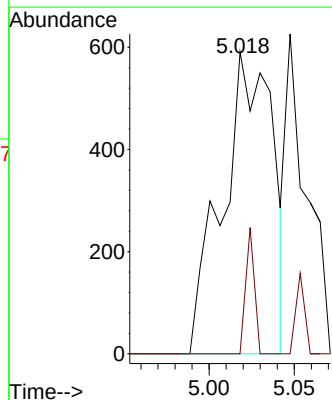
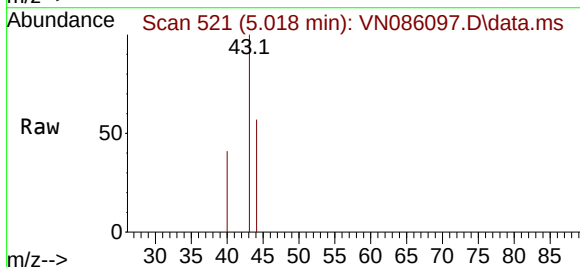
Acq: 25 Mar 2025 13:52

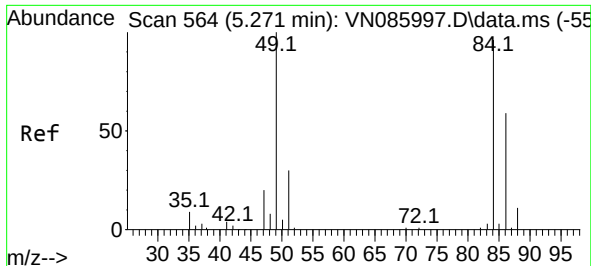
Tgt Ion: 43 Resp: 1210

Ion Ratio Lower Upper

43 100

74 7.2 23.9 35.9#

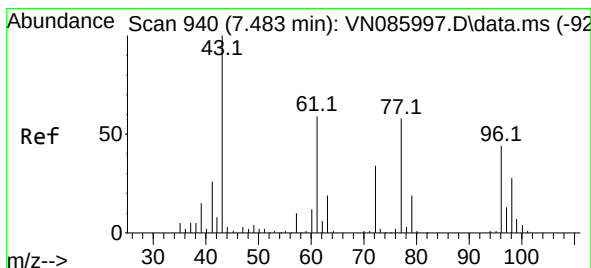
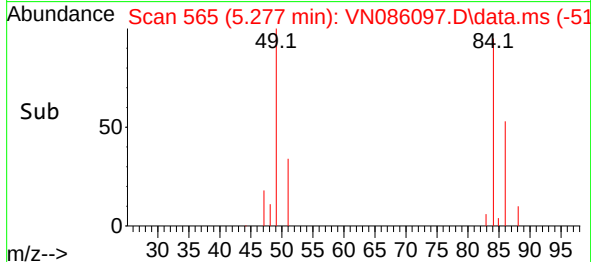
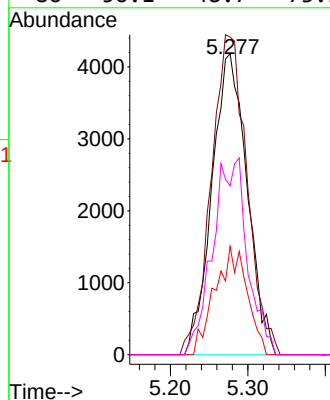
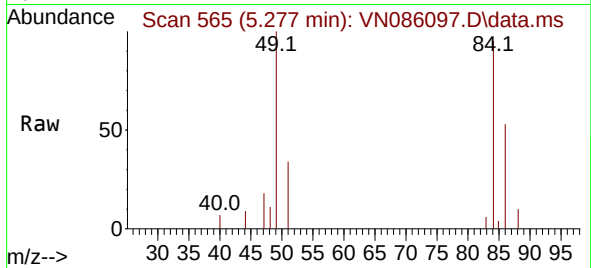




#20
Methylene Chloride
Concen: 6.198 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086097.D
Acq: 25 Mar 2025 13:52

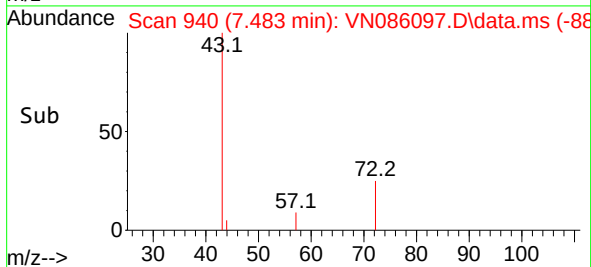
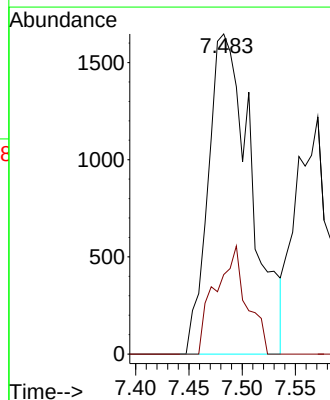
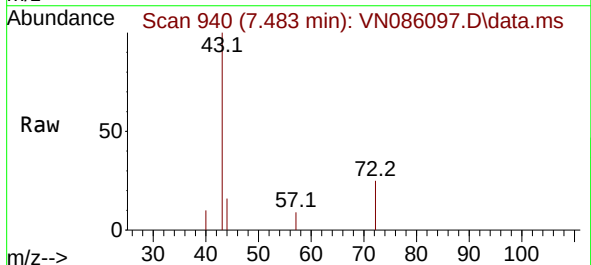
Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#02

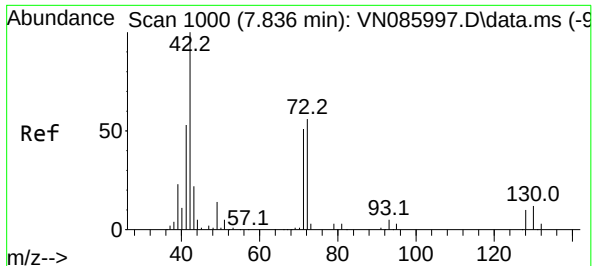
Tgt Ion: 84	Resp: 13194
Ion Ratio	Lower Upper
84 100	
49 105.5	83.3 124.9
51 35.9	24.8 37.2
86 56.1	48.7 73.1



#25
2-Butanone
Concen: 4.399 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN086097.D
Acq: 25 Mar 2025 13:52

Tgt Ion: 43	Resp:	4619	
Ion	Ratio	Lower	Upper
43	100		
72	24.8	27.4	41.0#





#29

Tetrahydrofuran

Concen: 0.224 ug/l

RT: 7.836 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VN086097.D

Acq: 25 Mar 2025 13:52

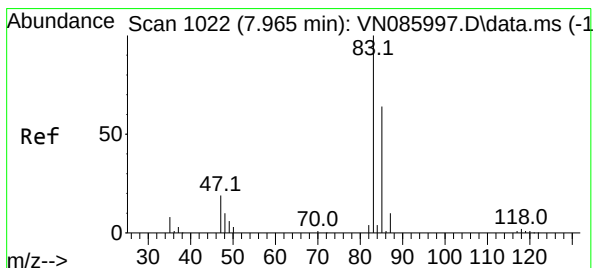
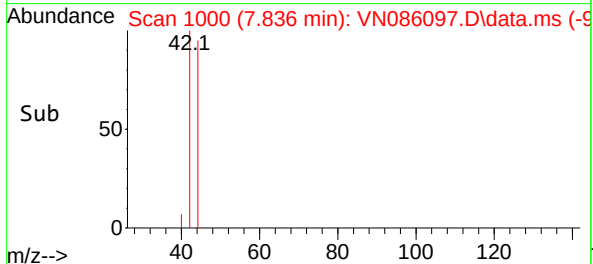
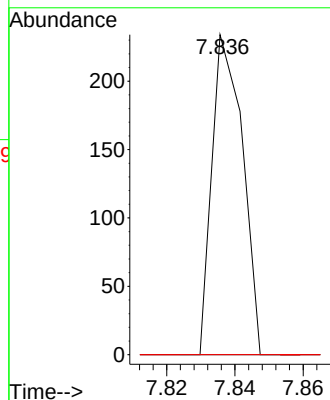
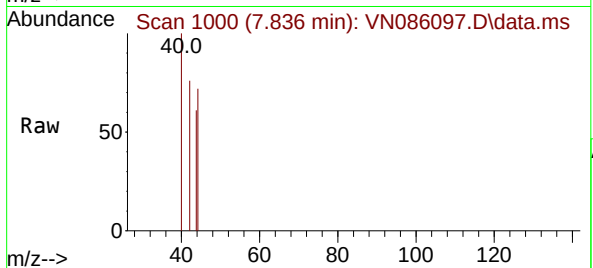
Instrument :

MSVOA_N

ClientSampleId :

PB167276ZHE#02

Tgt Ion: 42	Resp:	145
Ion	Ratio	Lower Upper
42	100	
72	0.0	45.0 67.4#
71	0.0	41.9 62.9#



#30

Chloroform

Concen: 0.287 ug/l

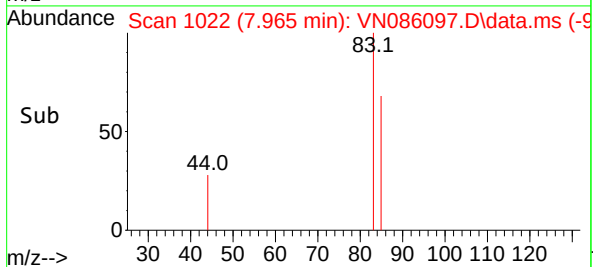
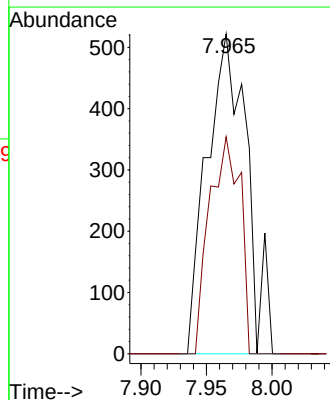
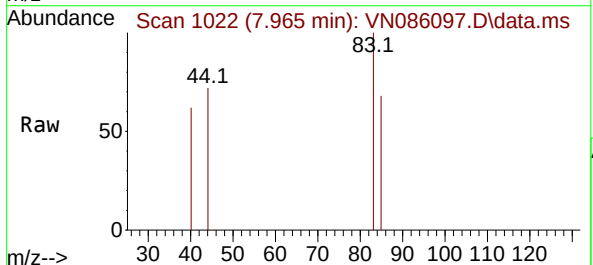
RT: 7.965 min Scan# 1022

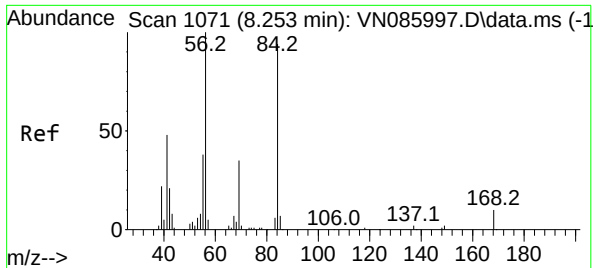
Delta R.T. -0.000 min

Lab File: VN086097.D

Acq: 25 Mar 2025 13:52

Tgt Ion: 83	Resp:	1106
Ion	Ratio	Lower Upper
83	100	
85	67.8	51.5 77.3

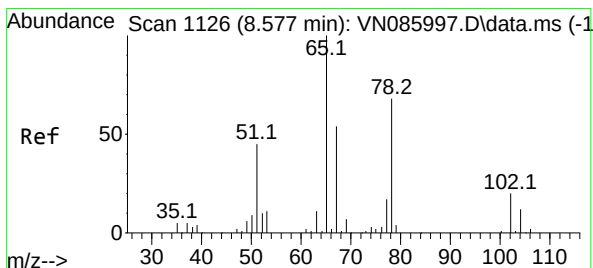
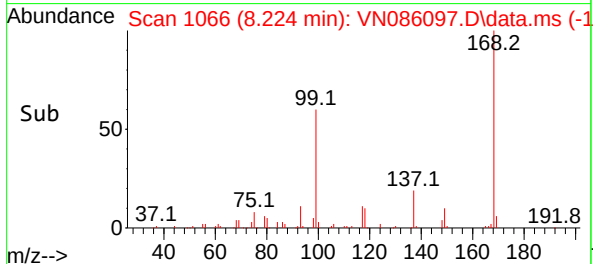
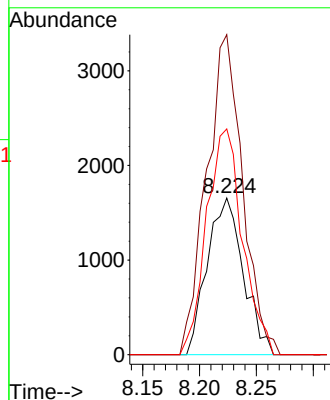
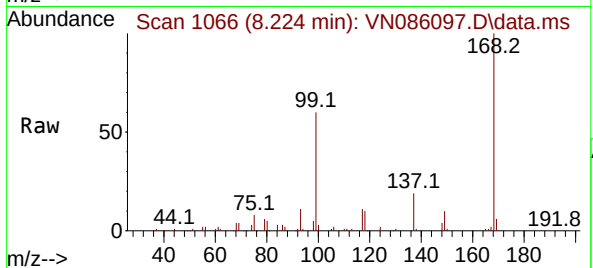




#31
Cyclohexane
Concen: 1.236 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN086097.D
Acq: 25 Mar 2025 13:52

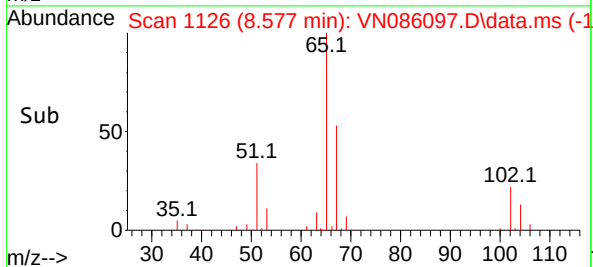
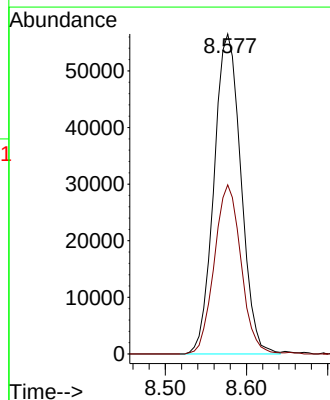
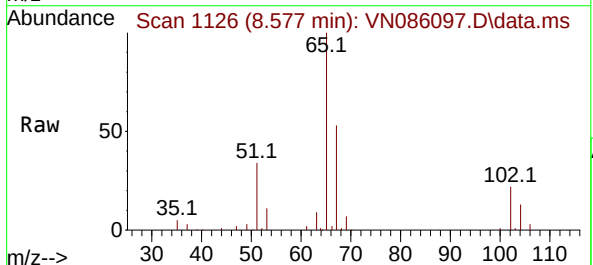
Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#02

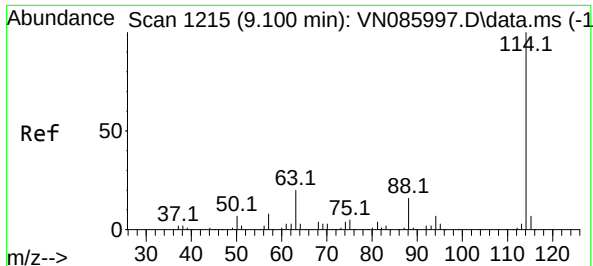
Tgt Ion: 56 Resp: 3667
Ion Ratio Lower Upper
56 100
69 204.4 28.0 42.0#
84 144.2 75.0 112.6#



#33
1,2-Dichloroethane-d4
Concen: 54.704 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086097.D
Acq: 25 Mar 2025 13:52

Tgt Ion: 65 Resp: 130297
Ion Ratio Lower Upper
65 100
67 52.3 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086097.D

Acq: 25 Mar 2025 13:52

Instrument :

MSVOA_N

ClientSampleId :

PB167276ZHE#02

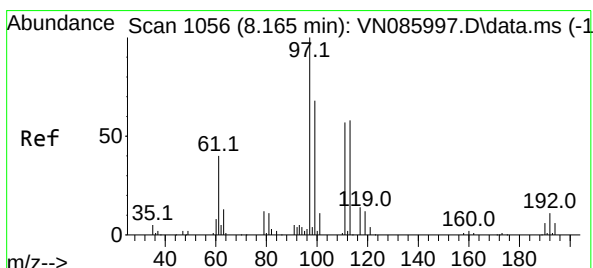
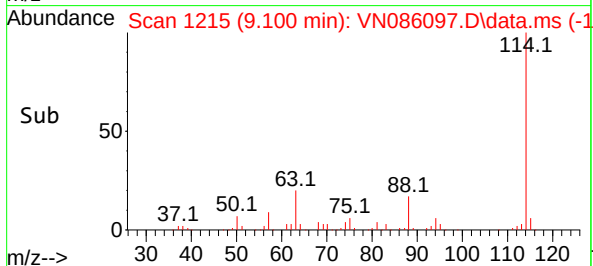
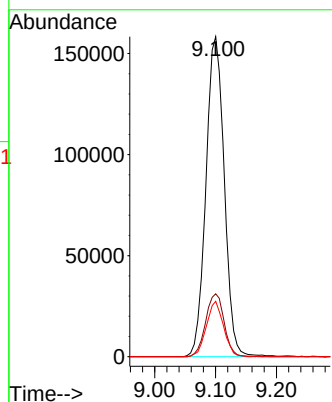
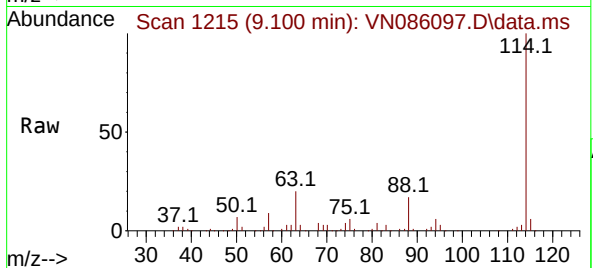
Tgt Ion:114 Resp: 331060

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.6

88 17.3 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.230 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086097.D

Acq: 25 Mar 2025 13:52

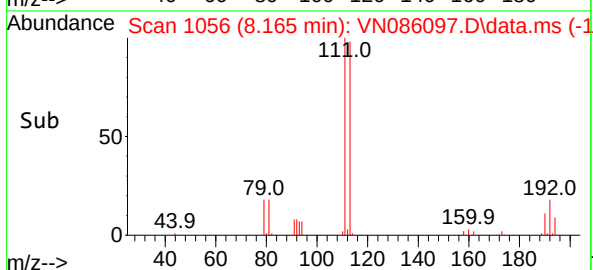
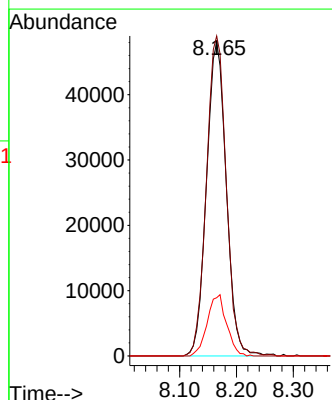
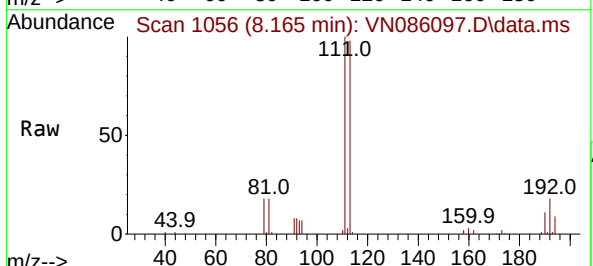
Tgt Ion:113 Resp: 116070

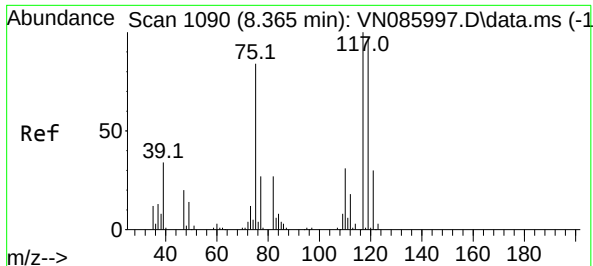
Ion Ratio Lower Upper

113 100

111 102.2 81.8 122.8

192 19.0 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.534 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN086097.D

Acq: 25 Mar 2025 13:52

Instrument :

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PB167276ZHE#02

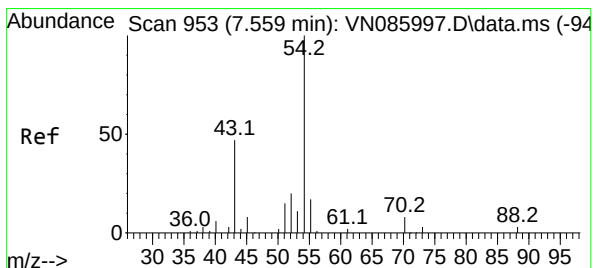
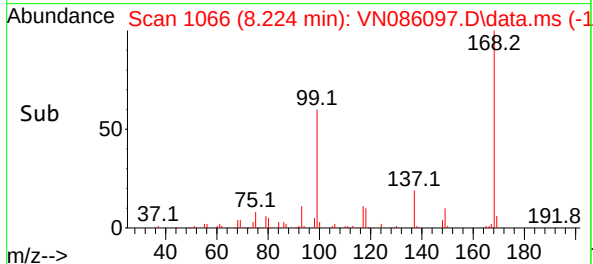
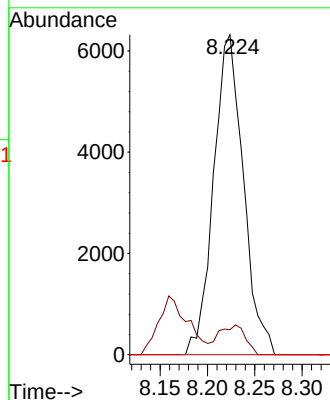
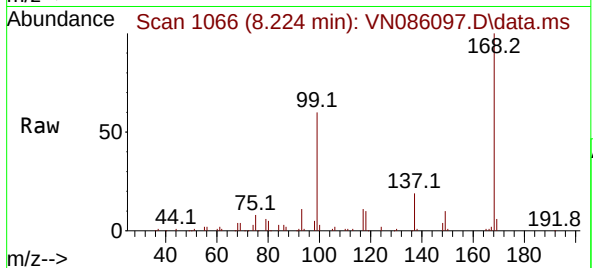
Tgt Ion: 75 Resp: 13795

Ion Ratio Lower Upper

75 100

110 8.4 17.8 53.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.025 ug/l

RT: 7.571 min Scan# 955

Delta R.T. 0.012 min

Lab File: VN086097.D

Acq: 25 Mar 2025 13:52

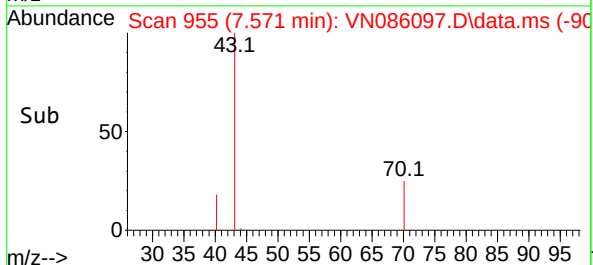
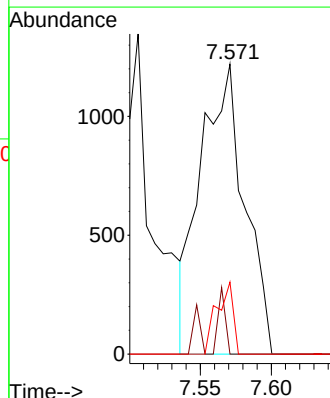
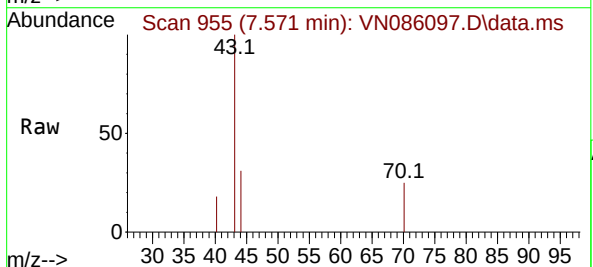
Tgt Ion: 43 Resp: 2630

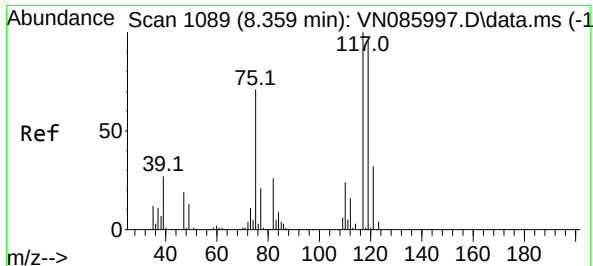
Ion Ratio Lower Upper

43 100

61 3.8 13.0 19.4#

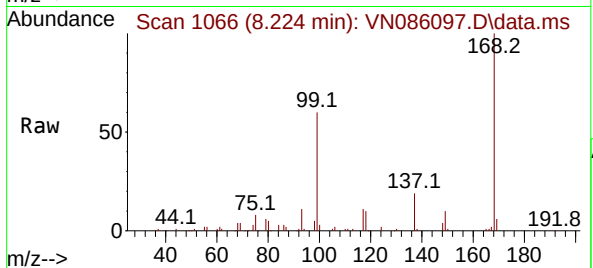
70 9.3 11.0 16.6#



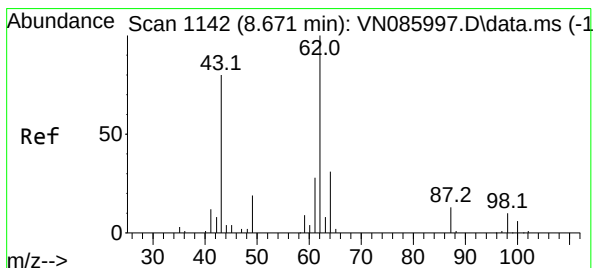
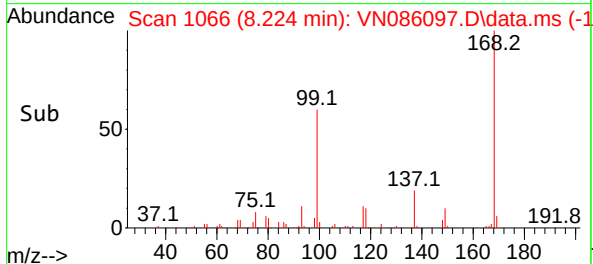
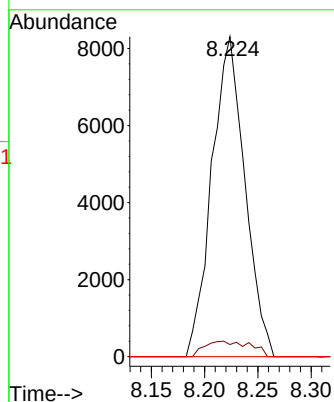


#38
Carbon Tetrachloride
Concen: 4.479 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN086097.D
Acq: 25 Mar 2025 13:52

Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#02

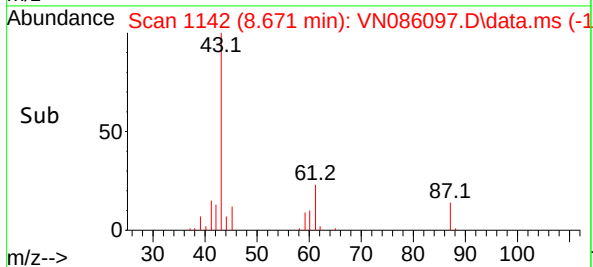
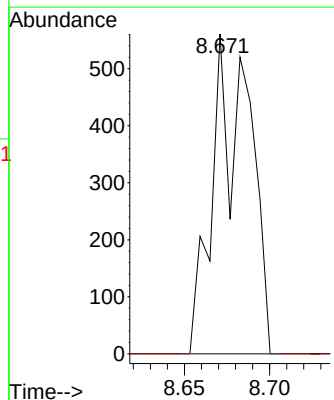
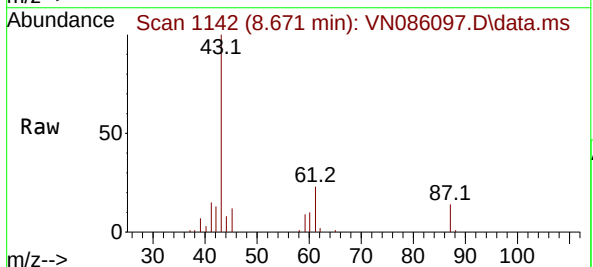


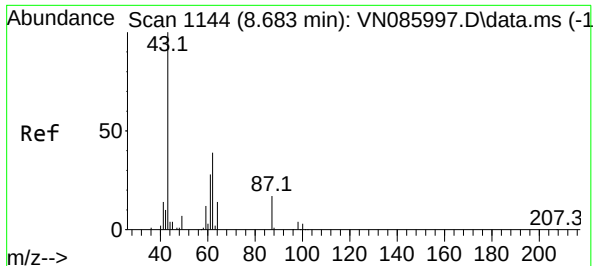
Tgt Ion:117 Resp: 17919
Ion Ratio Lower Upper
117 100
119 3.8 77.0 115.4#
121 0.0 25.6 38.4#



#42
1,2-Dichloroethane
Concen: 0.254 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN086097.D
Acq: 25 Mar 2025 13:52

Tgt Ion: 62 Resp: 847
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.6

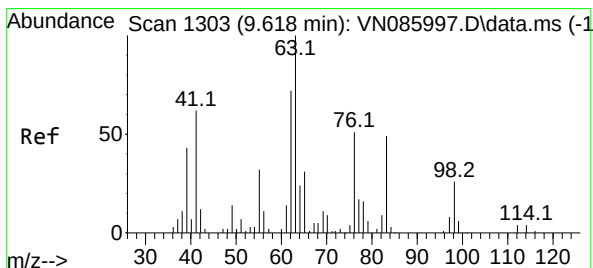
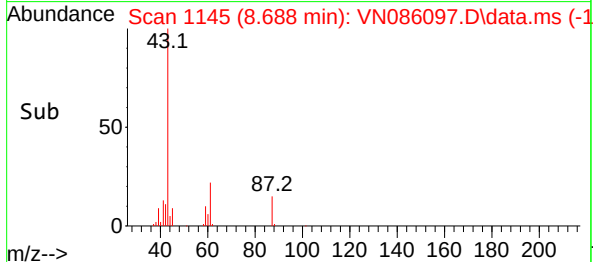
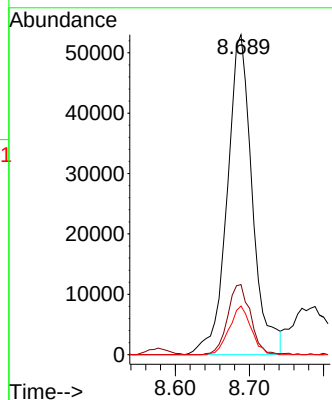
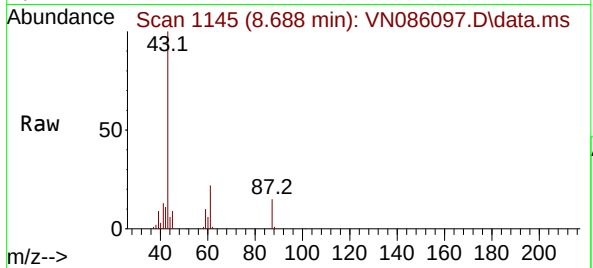




#43
Isopropyl Acetate
Concen: 22.418 ug/l
RT: 8.688 min Scan# 1144
Delta R.T. 0.006 min
Lab File: VN086097.D
Acq: 25 Mar 2025 13:52

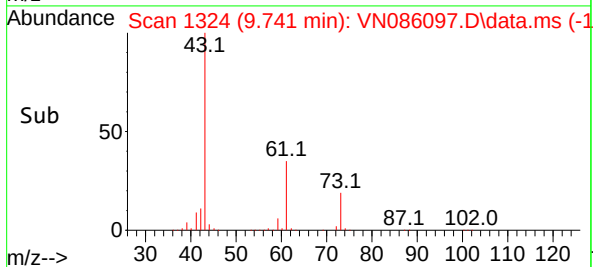
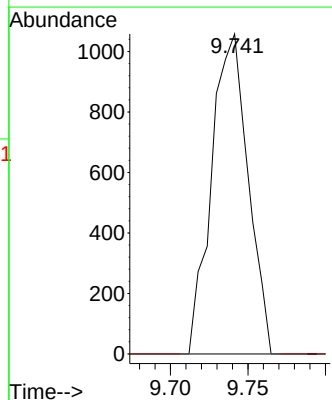
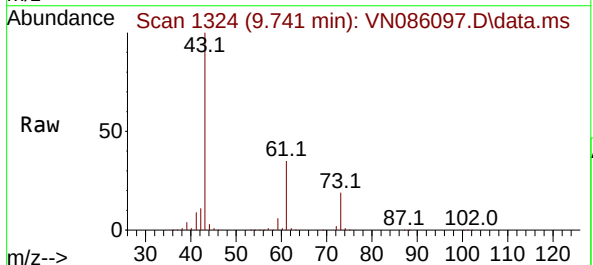
Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#02

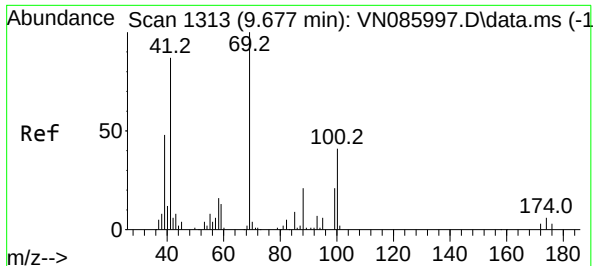
Tgt Ion: 43 Resp: 124701
Ion Ratio Lower Upper
43 100
61 20.1 25.0 37.6#
87 13.3 13.0 19.4



#45
1,2-Dichloropropane
Concen: 0.800 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN086097.D
Acq: 25 Mar 2025 13:52

Tgt Ion: 63 Resp: 1738
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#





#48

Methyl methacrylate

Concen: 52.777 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.065 min

Lab File: VN086097.D

Acq: 25 Mar 2025 13:52

Instrument :

MSVOA_N

ClientSampleId :

PB167276ZHE#02

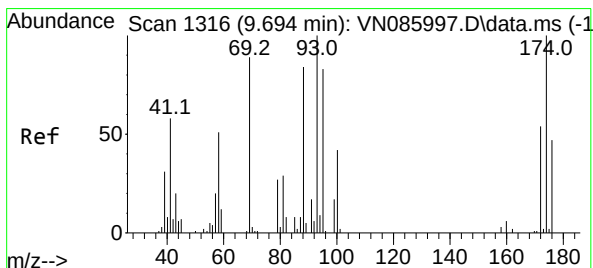
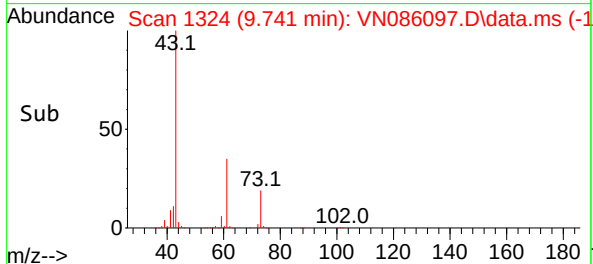
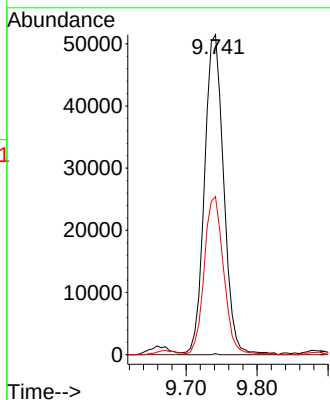
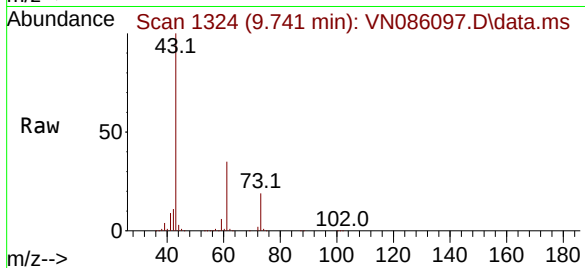
Tgt Ion: 41 Resp: 96874

Ion Ratio Lower Upper

41 100

69 0.1 83.1 124.7#

39 49.0 45.6 68.4



#49

1,4-Dioxane

Concen: 1.429 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.047 min

Lab File: VN086097.D

Acq: 25 Mar 2025 13:52

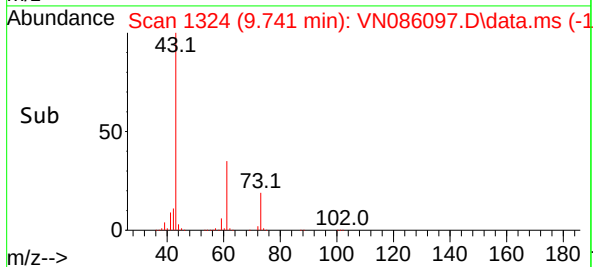
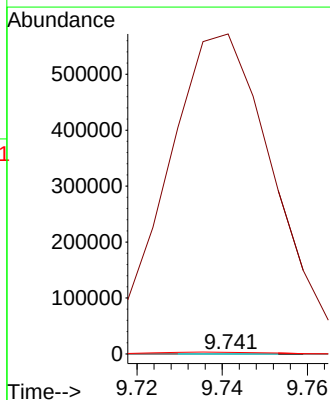
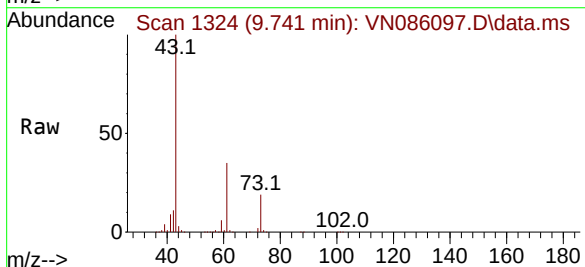
Tgt Ion: 88 Resp: 62

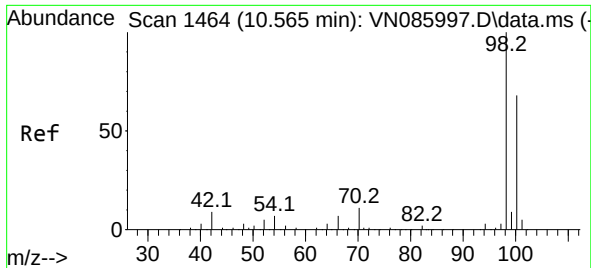
Ion Ratio Lower Upper

88 100

43 1660864.5 21.7 32.5#

58 10212.9 50.4 75.6#

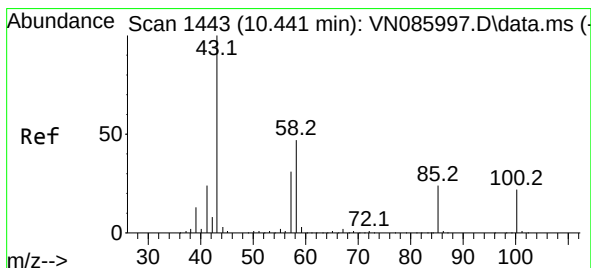
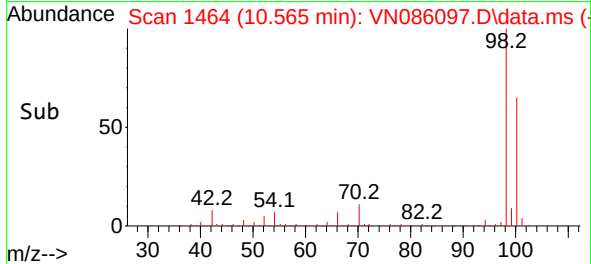
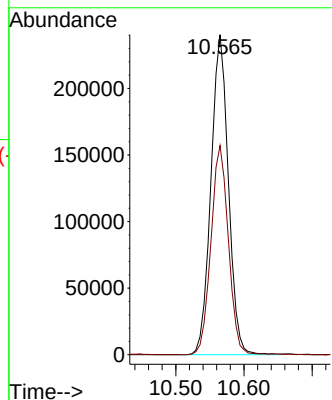
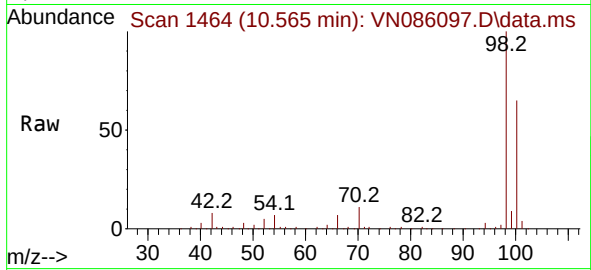




#50
Toluene-d8
Concen: 51.081 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086097.D
Acq: 25 Mar 2025 13:52

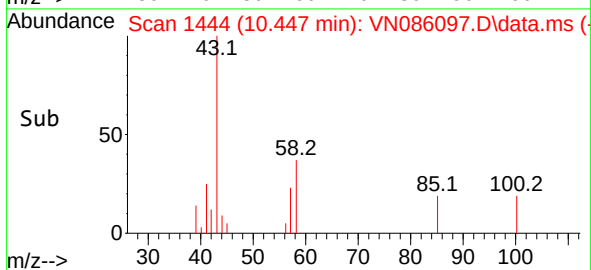
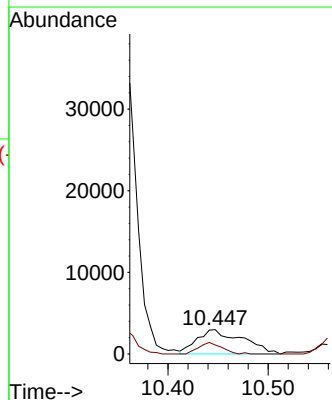
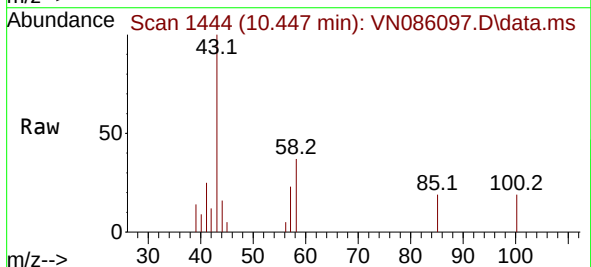
Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#02

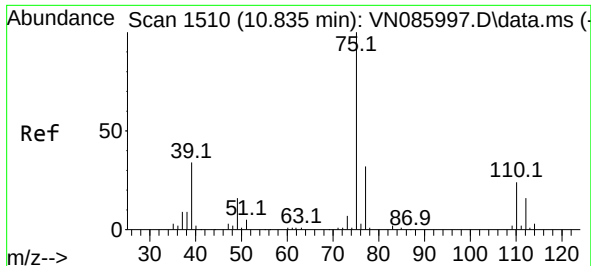
Tgt Ion: 98 Resp: 428386
Ion Ratio Lower Upper
98 100
100 65.4 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 3.842 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN086097.D
Acq: 25 Mar 2025 13:52

Tgt Ion: 43 Resp: 9426
Ion Ratio Lower Upper
43 100
58 24.1 37.4 56.0#

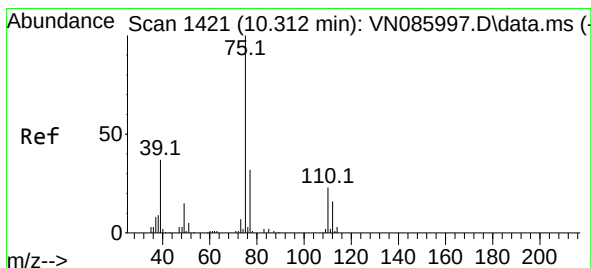
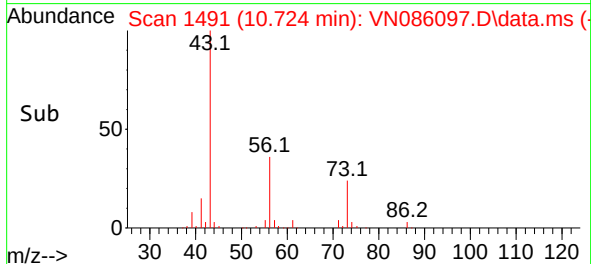
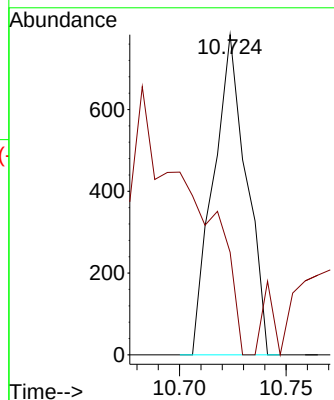
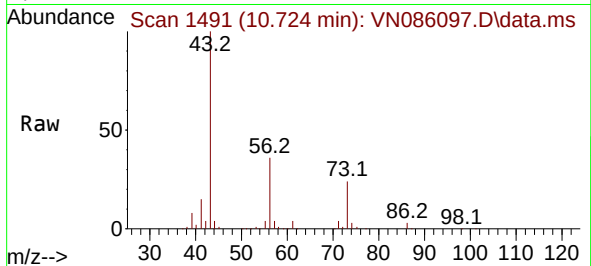




#53
 t-1,3-Dichloropropene
 Concen: 0.243 ug/l
 RT: 10.724 min Scan# 1491
 Delta R.T. -0.112 min
 Lab File: VN086097.D
 Acq: 25 Mar 2025 13:52

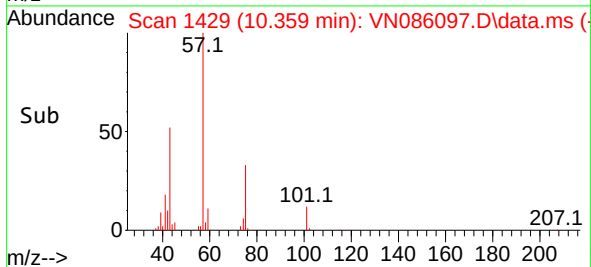
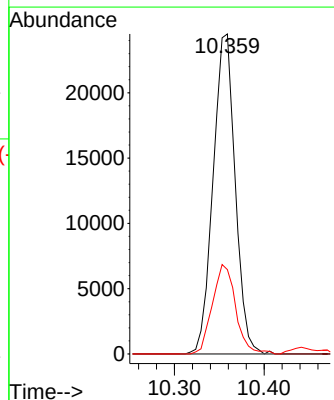
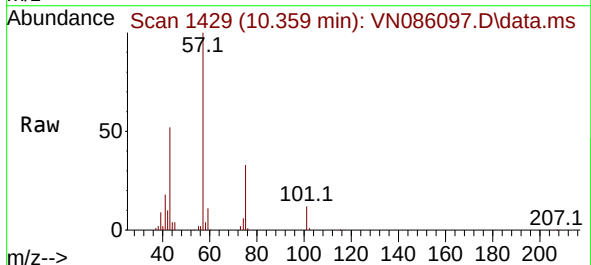
Instrument :
 MSVOA_N
 ClientSampleId :
 PB167276ZHE#02

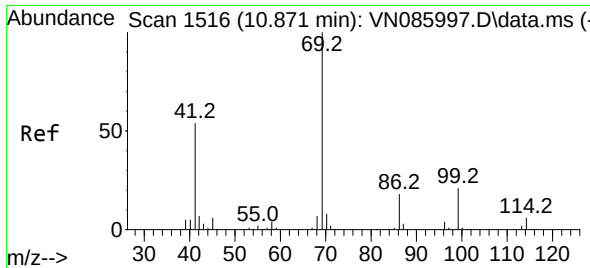
Tgt Ion: 75 Resp: 843
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.3 37.9



#54
 cis-1,3-Dichloropropene
 Concen: 11.462 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN086097.D
 Acq: 25 Mar 2025 13:52

Tgt Ion: 75 Resp: 41935
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 26.4 29.6 44.4#

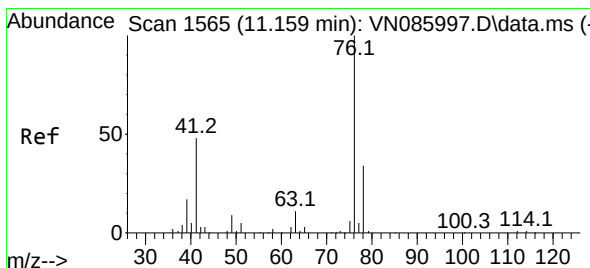
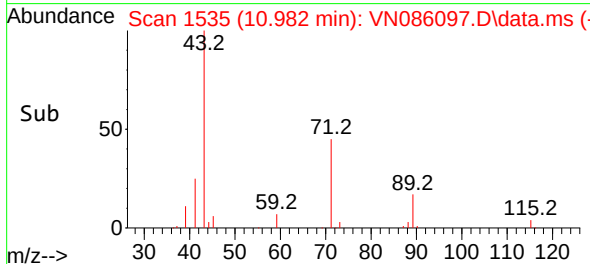
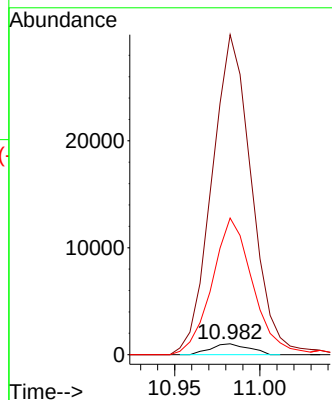
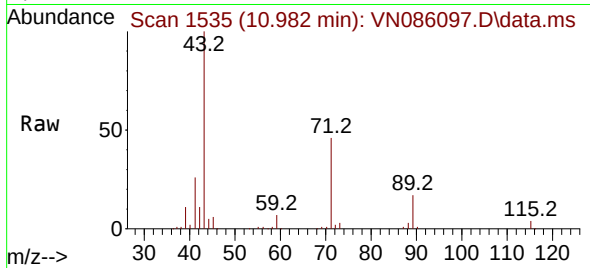




#56
Ethyl methacrylate
Concen: 0.751 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.111 min
Lab File: VN086097.D
Acq: 25 Mar 2025 13:52

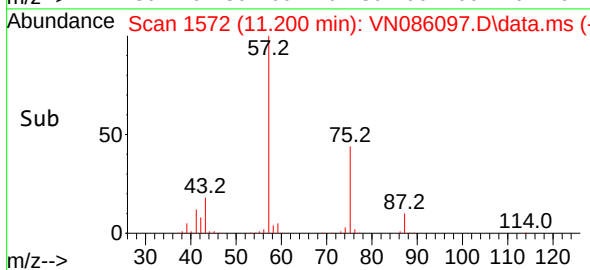
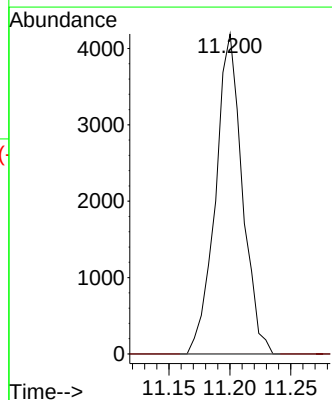
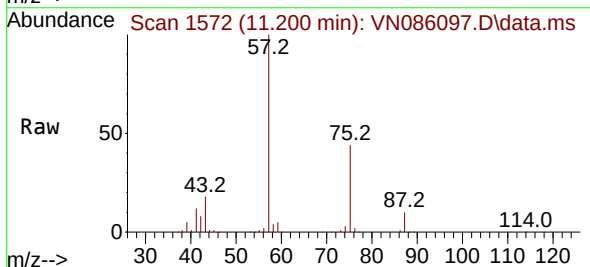
Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#02

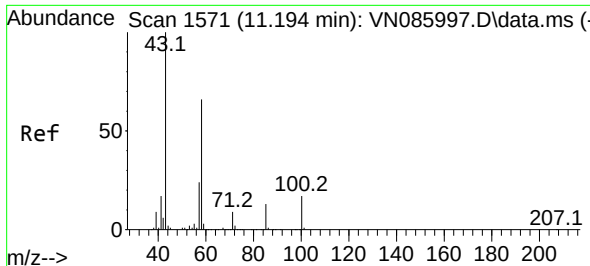
Tgt Ion: 69 Resp: 1590
Ion Ratio Lower Upper
69 100
41 3068.1 41.6 62.4#
39 1352.8 21.8 32.8#



#57
1,3-Dichloropropane
Concen: 1.691 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN086097.D
Acq: 25 Mar 2025 13:52

Tgt Ion: 76 Resp: 6427
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

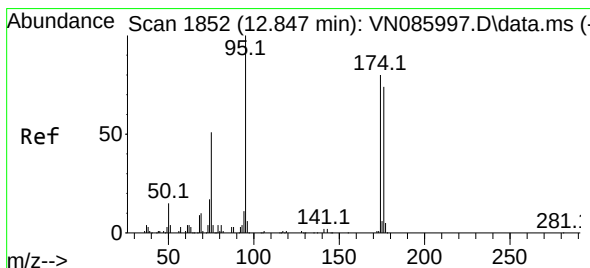
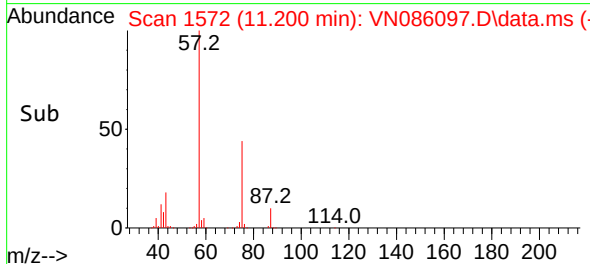
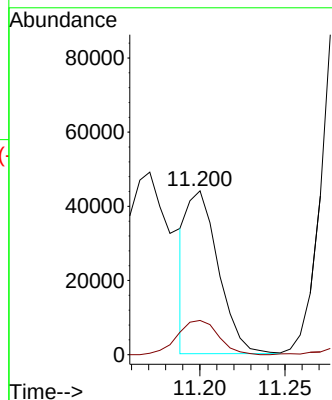
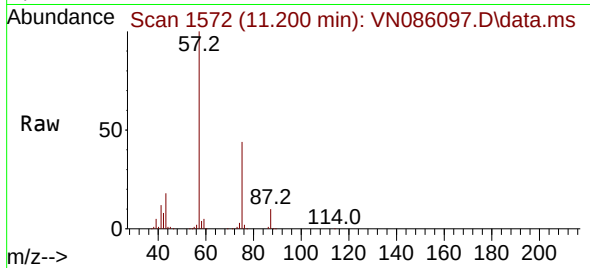




#59
2-Hexanone
Concen: 31.421 ug/l
RT: 11.200 min Scan# 1571
Delta R.T. 0.006 min
Lab File: VN086097.D
Acq: 25 Mar 2025 13:52

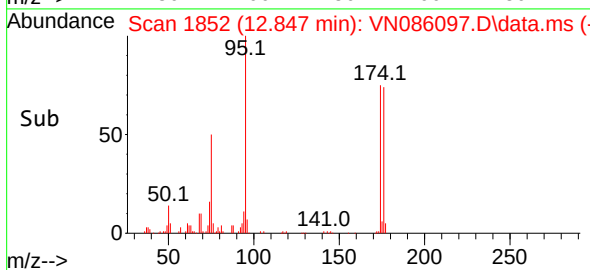
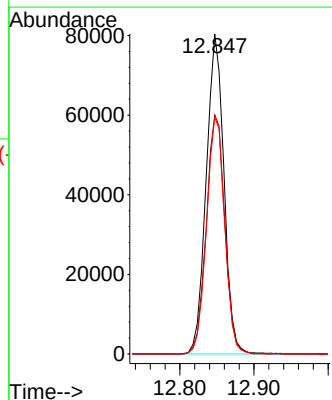
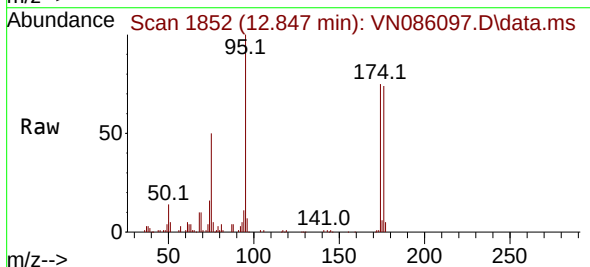
Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#02

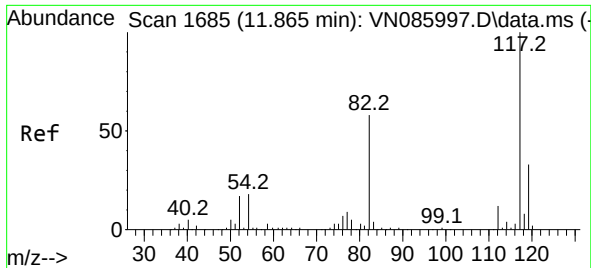
Tgt Ion: 43 Resp: 56152
Ion Ratio Lower Upper
43 100
58 27.5 32.4 97.2#



#62
4-Bromofluorobenzene
Concen: 44.588 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086097.D
Acq: 25 Mar 2025 13:52

Tgt Ion: 95 Resp: 133356
Ion Ratio Lower Upper
95 100
174 78.2 0.0 156.8
176 75.6 0.0 152.2

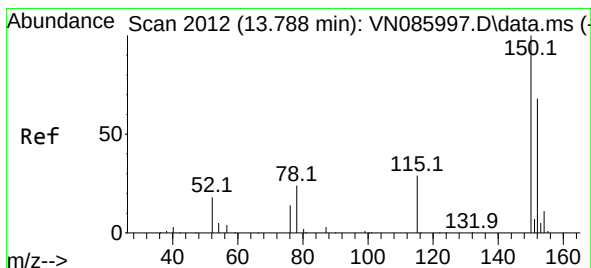
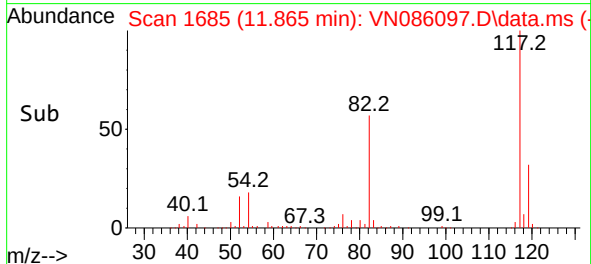
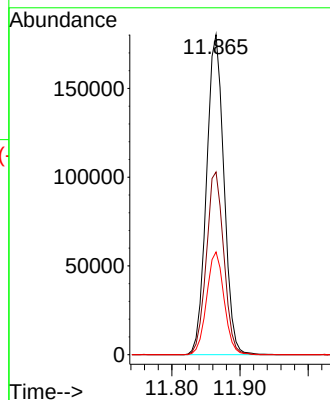
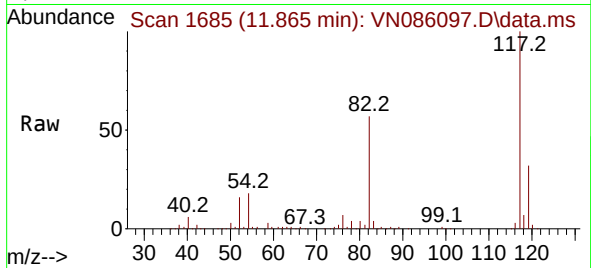




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086097.D
Acq: 25 Mar 2025 13:52

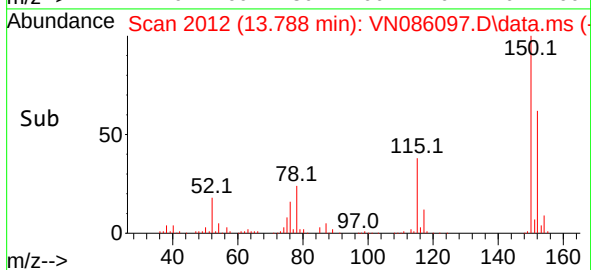
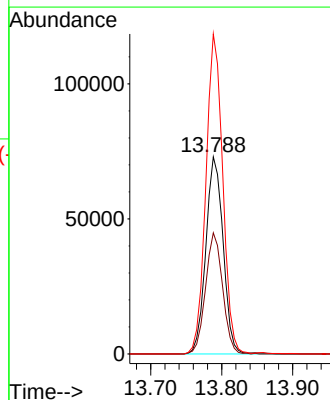
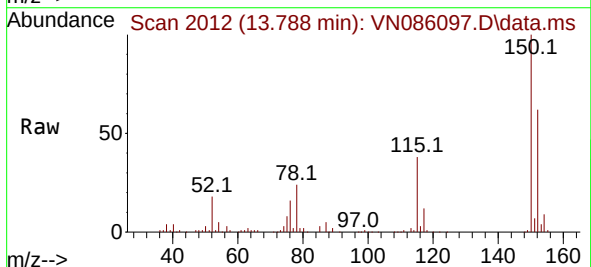
Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#02

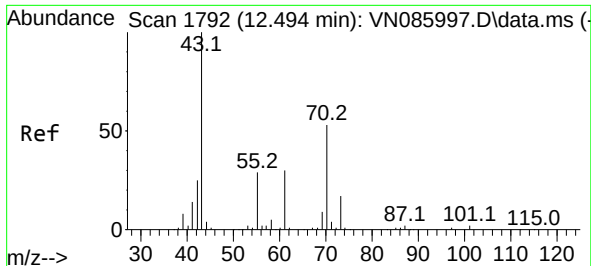
Tgt Ion:117 Resp: 320764
Ion Ratio Lower Upper
117 100
82 57.1 46.7 70.1
119 32.1 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086097.D
Acq: 25 Mar 2025 13:52

Tgt Ion:152 Resp: 123627
Ion Ratio Lower Upper
152 100
115 60.7 31.1 93.2
150 158.0 0.0 359.6

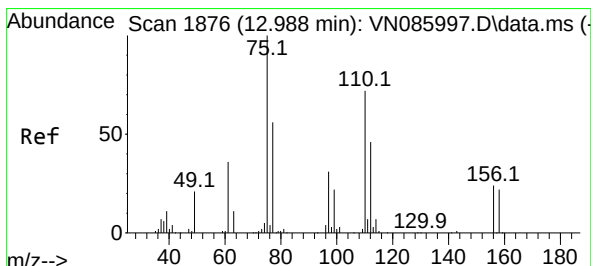
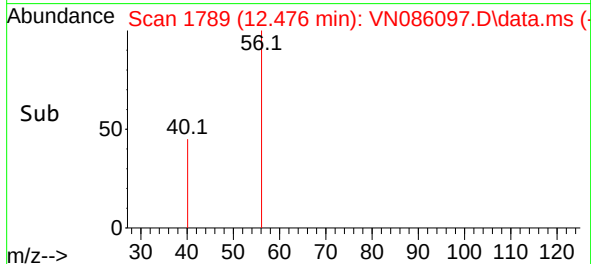
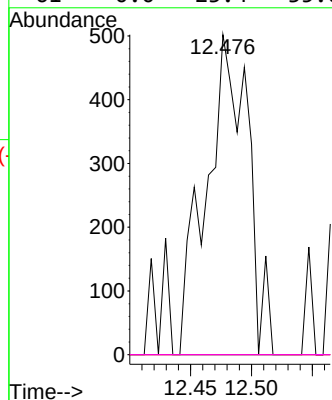
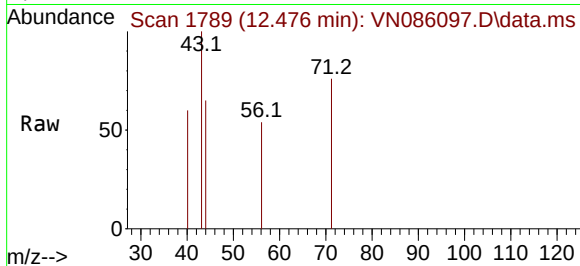




#74
N-amy1 acetate
Concen: 0.426 ug/l
RT: 12.476 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN086097.D
Acq: 25 Mar 2025 13:52

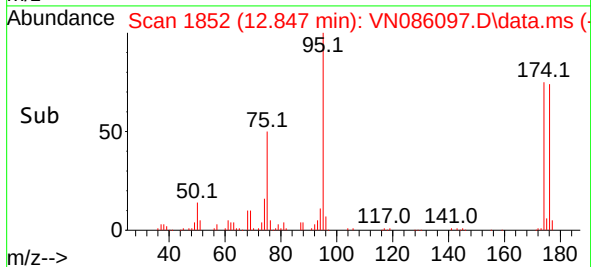
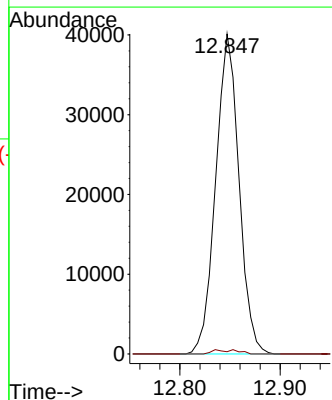
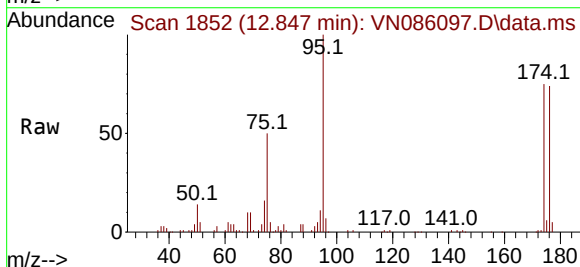
Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#02

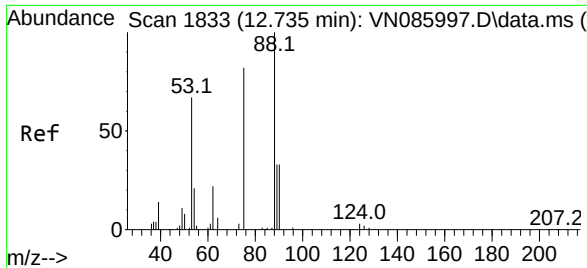
Tgt Ion: 43	Resp:	1202
Ion Ratio	Lower	Upper
43 100		
70 0.0	43.0	64.4#
55 0.0	23.8	35.8#
61 0.0	23.4	35.0#



#76
1,2,3-Trichloropropane
Concen: 23.325 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086097.D
Acq: 25 Mar 2025 13:52

Tgt Ion: 75	Resp: 64557
Ion Ratio	Lower Upper
75 100	
77 0.8	83.7 251.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.666 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN086097.D
 Acq: 25 Mar 2025 13:52

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167276ZHE#02

Tgt Ion: 75 Resp: 64557
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.0 99.0#
 89 0.0 36.9 55.3#

