

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
 Data File : VN086100.D
 Acq On : 25 Mar 2025 15:04
 Operator : JC\MD
 Sample : PB167276ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167276ZHE#05

Quant Time: Mar 26 03:18:45 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

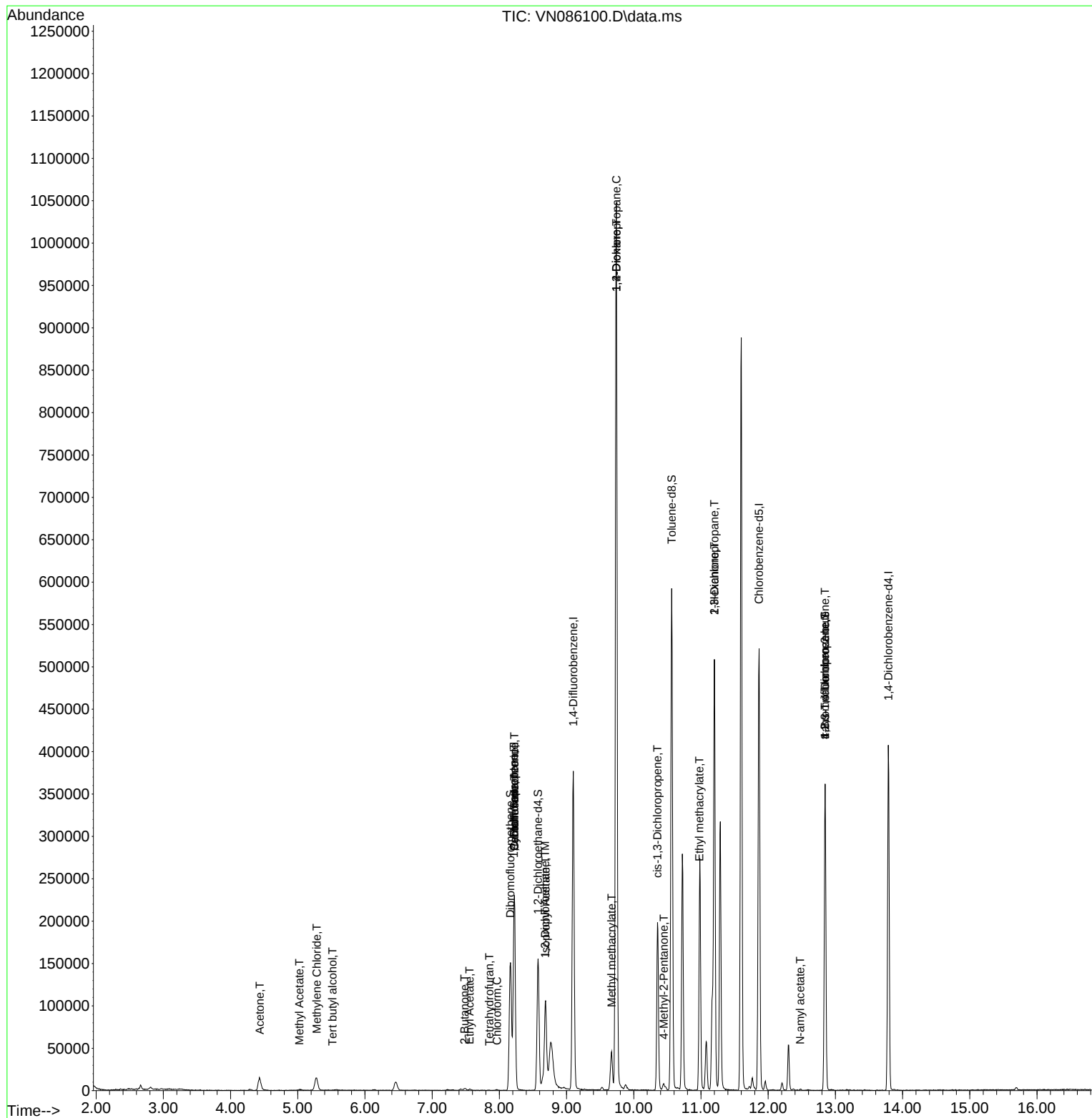
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

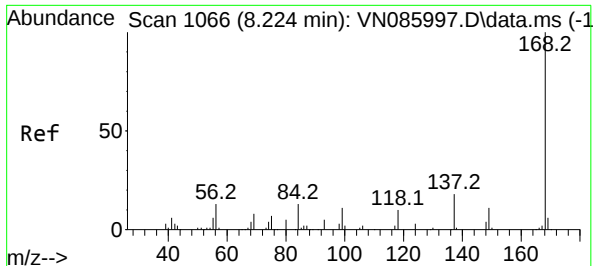
Internal Standards						
1) Pentafluorobenzene	8.224	168	169018	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	324941	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	313359	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	115628	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	127525	55.100	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.200%			
35) Dibromofluoromethane	8.165	113	112745	49.710	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.420%			
50) Toluene-d8	10.565	98	424957	51.626	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.260%			
62) 4-Bromofluorobenzene	12.847	95	128757	43.861	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 87.720%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.518	59	117	0.357	ug/l #	73
16) Acetone	4.436	43	28512	40.324	ug/l	98
18) Methyl Acetate	5.024	43	1344	0.768	ug/l #	60
20) Methylene Chloride	5.283	84	13063	6.315	ug/l	94
25) 2-Butanone	7.482	43	4252	4.168	ug/l	89
29) Tetrahydrofuran	7.853	42	326	0.518	ug/l #	39
30) Chloroform	7.965	83	895	0.239	ug/l #	72
31) Cyclohexane	8.224	56	3290	1.141	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	13226	4.429	ug/l #	50
37) Ethyl Acetate	7.559	43	2320	0.921	ug/l #	78
38) Carbon Tetrachloride	8.224	117	17723	4.513	ug/l #	17
42) 1,2-Dichloroethane	8.682	62	866	0.265	ug/l #	74
43) Isopropyl Acetate	8.688	43	122915	22.513	ug/l #	82
45) 1,2-Dichloropropane	9.741	63	1379	0.647	ug/l #	44
48) Methyl methacrylate	9.671	41	3015	1.673	ug/l #	30
49) 1,4-Dioxane	9.741	88	111	2.606	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	3768	1.565	ug/l	92
54) cis-1,3-Dichloropropene	10.353	75	37737	10.508	ug/l #	68
56) Ethyl methacrylate	10.976	69	2078	0.937	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5573	1.494	ug/l #	42
59) 2-Hexanone	11.200	43	52977	30.202	ug/l #	55
74) N-amyl acetate	12.476	43	642	0.243	ug/l #	35
76) 1,2,3-Trichloropropane	12.847	75	63870	24.673	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	63870	65.230	ug/l #	16

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

Instrument :
MSVOA_N
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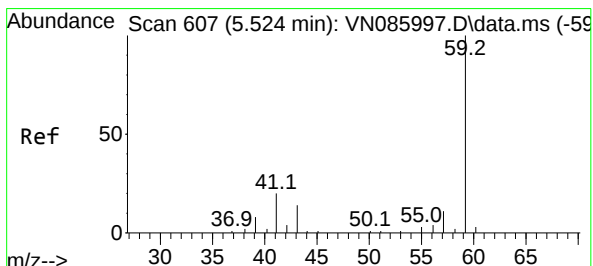
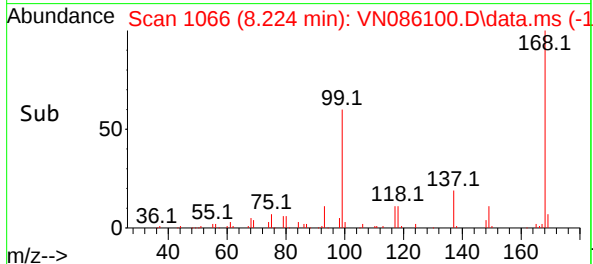
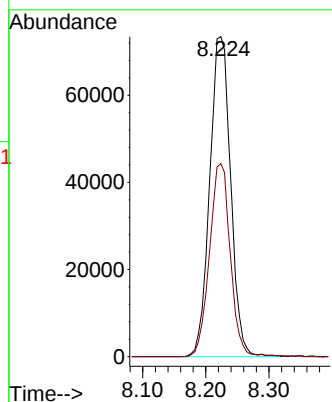
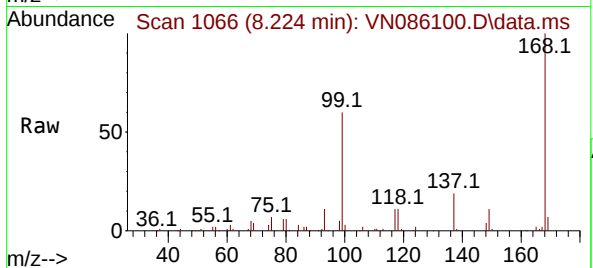




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086100.D
Acq: 25 Mar 2025 15:04

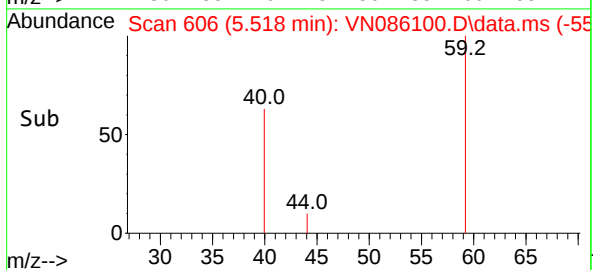
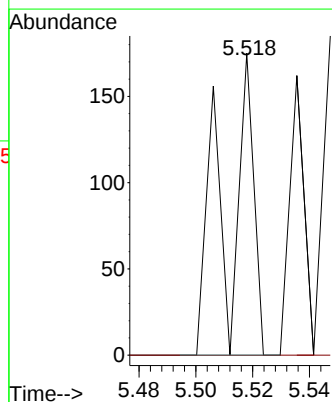
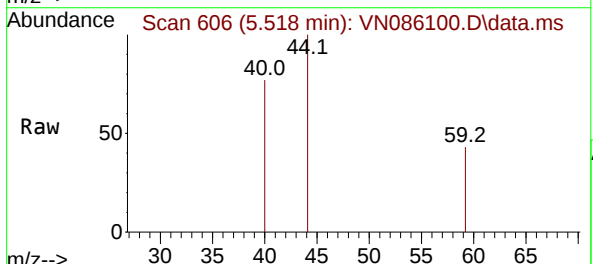
Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#05

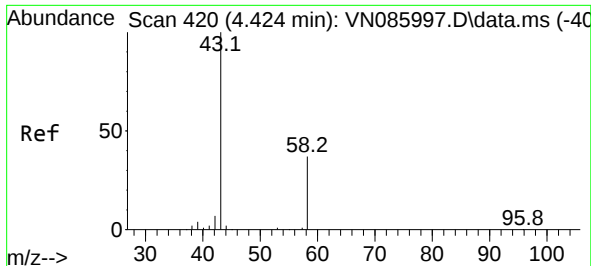
Tgt Ion:168 Resp: 169018
Ion Ratio Lower Upper
168 100
99 60.4 49.4 74.2



#11
Tert butyl alcohol
Concen: 0.357 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.006 min
Lab File: VN086100.D
Acq: 25 Mar 2025 15:04

Tgt Ion: 59 Resp: 117
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

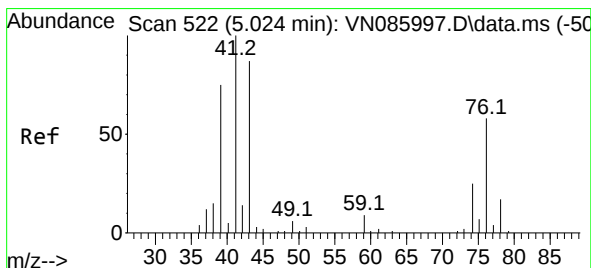
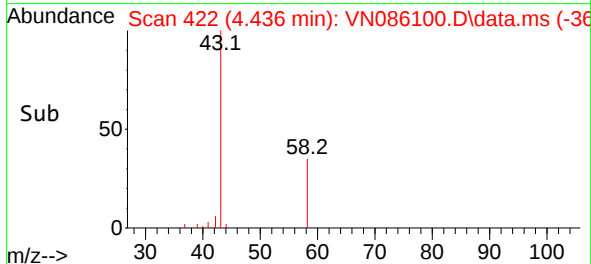
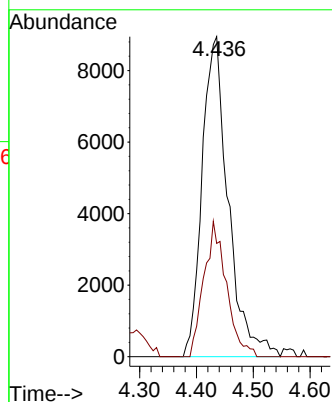
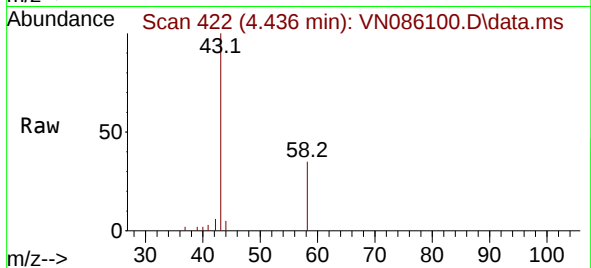




#16
Acetone
Concen: 40.324 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN086100.D
Acq: 25 Mar 2025 15:04

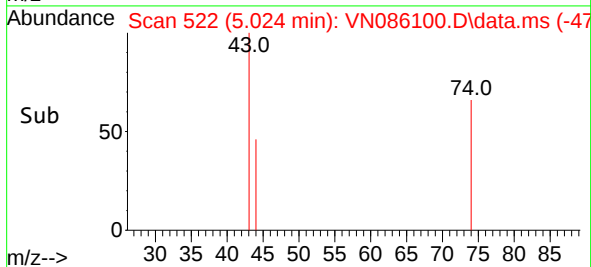
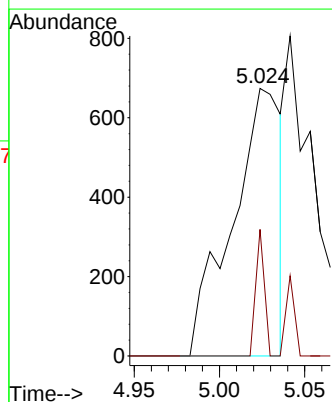
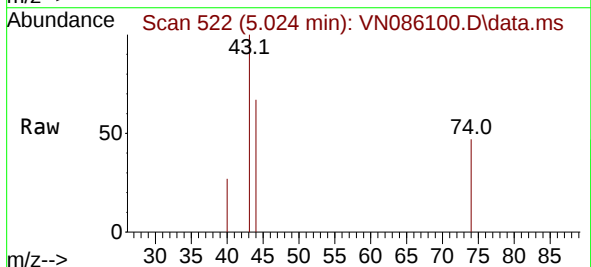
Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#05

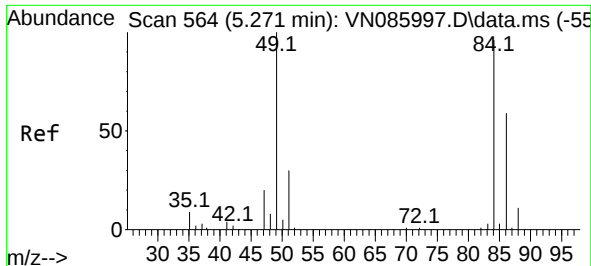
Tgt Ion: 43 Resp: 28512
Ion Ratio Lower Upper
43 100
58 35.4 29.4 44.2



#18
Methyl Acetate
Concen: 0.768 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN086100.D
Acq: 25 Mar 2025 15:04

Tgt Ion: 43 Resp: 1344
Ion Ratio Lower Upper
43 100
74 8.4 23.9 35.9#

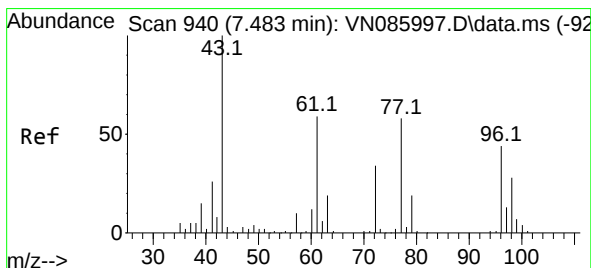
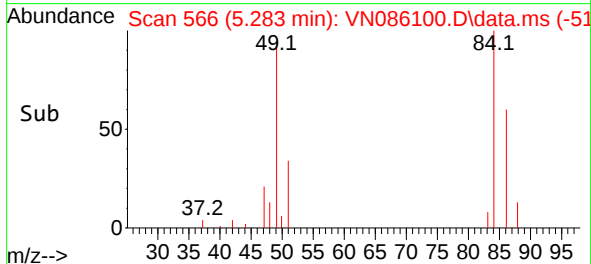
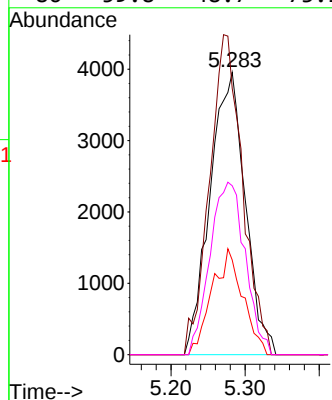
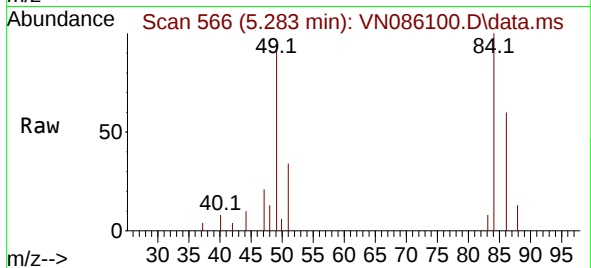




#20
Methylene Chloride
Concen: 6.315 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN086100.D
Acq: 25 Mar 2025 15:04

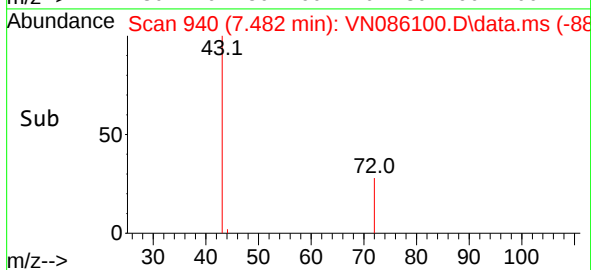
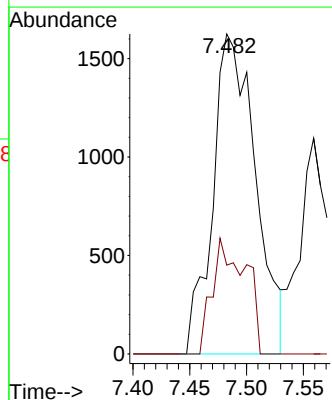
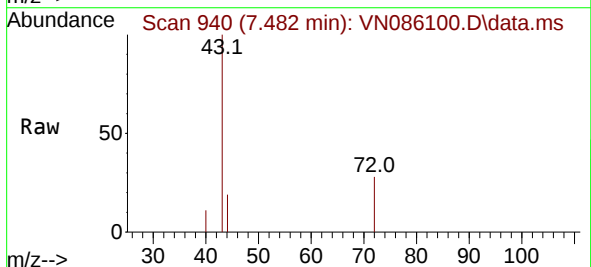
Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#05

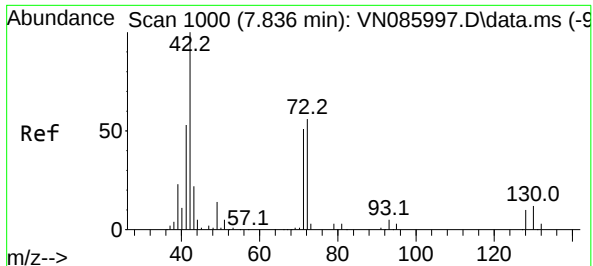
Tgt Ion: 84	Resp: 13063
Ion Ratio	Lower Upper
84 100	
49 94.4	83.3 124.9
51 33.5	24.8 37.2
86 59.8	48.7 73.1



#25
2-Butanone
Concen: 4.168 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN086100.D
Acq: 25 Mar 2025 15:04

Tgt Ion: 43	Resp: 4252		
Ion Ratio	Lower	Upper	
43 100			
72 27.8	27.4	41.0	





#29

Tetrahydrofuran

Concen: 0.518 ug/l

RT: 7.853 min Scan# 1003

Delta R.T. 0.017 min

Lab File: VN086100.D

Acq: 25 Mar 2025 15:04

Instrument :

MSVOA_N

ClientSampleId :

PB167276ZHE#05

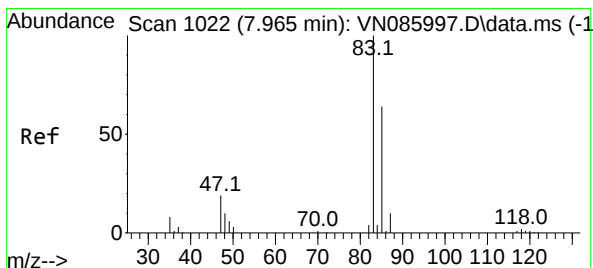
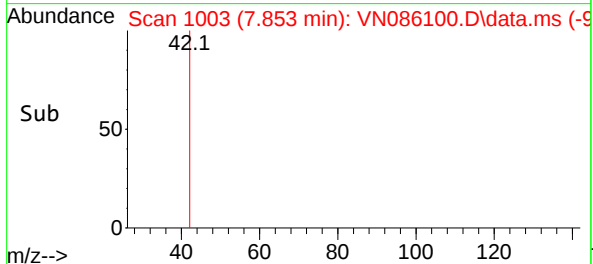
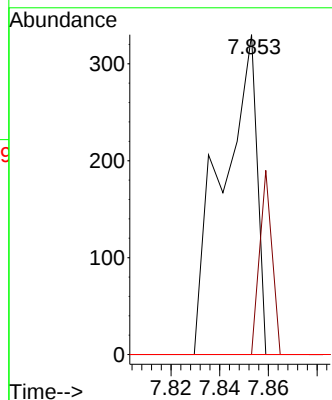
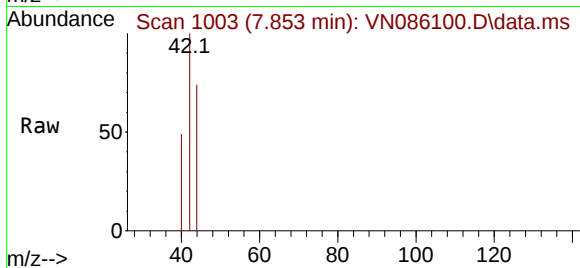
Tgt Ion: 42 Resp: 326

Ion Ratio Lower Upper

42 100

72 20.6 45.0 67.4#

71 0.0 41.9 62.9#



#30

Chloroform

Concen: 0.239 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VN086100.D

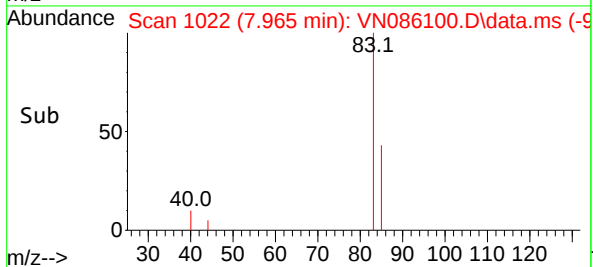
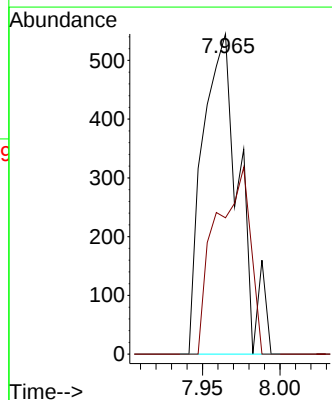
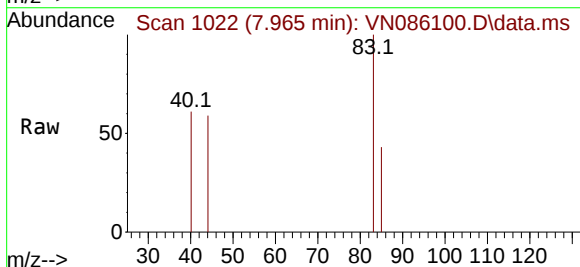
Acq: 25 Mar 2025 15:04

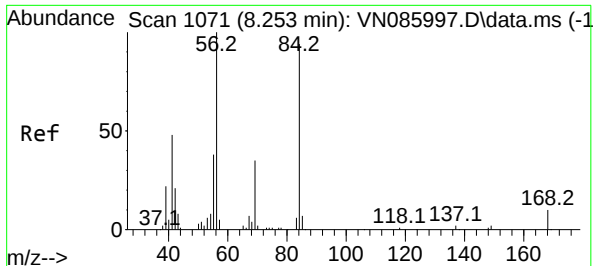
Tgt Ion: 83 Resp: 895

Ion Ratio Lower Upper

83 100

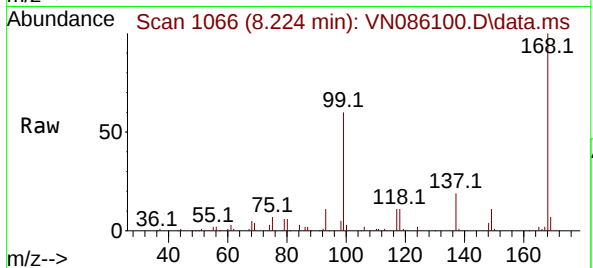
85 42.6 51.5 77.3#



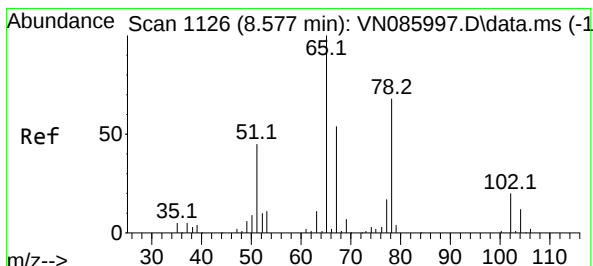
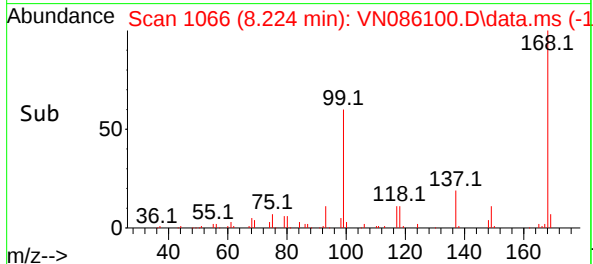
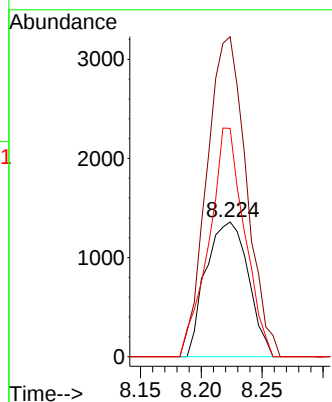


#31
Cyclohexane
Concen: 1.141 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN086100.D
Acq: 25 Mar 2025 15:04

Instrument :
MSVOA_N
ClientSampleId :
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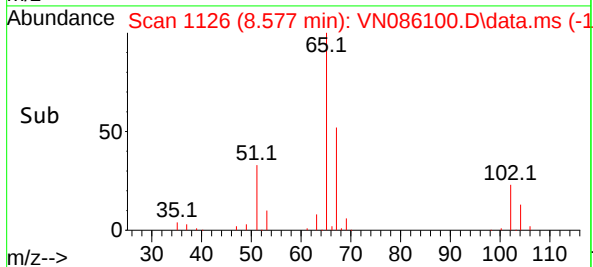
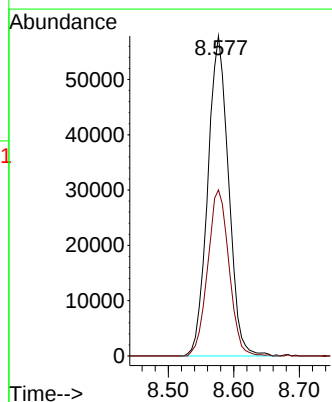
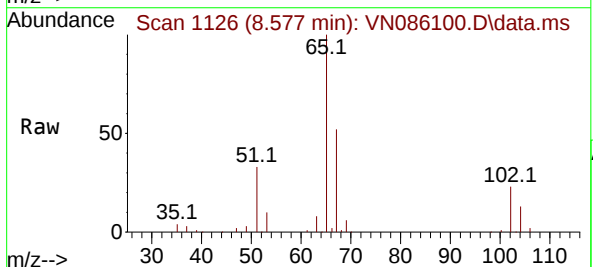


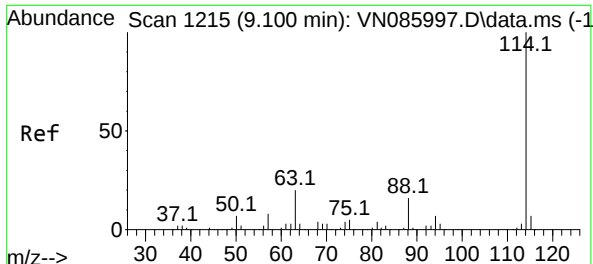
Tgt Ion: 56 Resp: 3290
Ion Ratio Lower Upper
56 100
69 237.6 28.0 42.0#
84 169.5 75.0 112.6#



#33
1,2-Dichloroethane-d4
Concen: 55.100 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086100.D
Acq: 25 Mar 2025 15:04

Tgt Ion: 65 Resp: 127525
Ion Ratio Lower Upper
65 100
67 53.1 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: VN086100.D

Acq: 25 Mar 2025 15:04

Instrument :

MSVOA_N

ClientSampleId :

PB167276ZHE#05

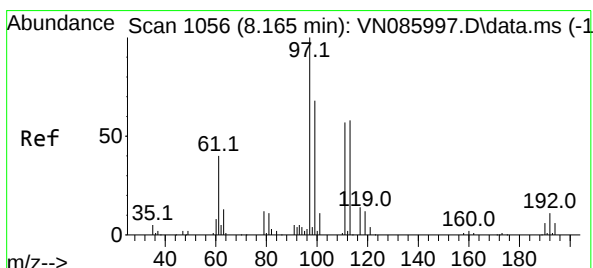
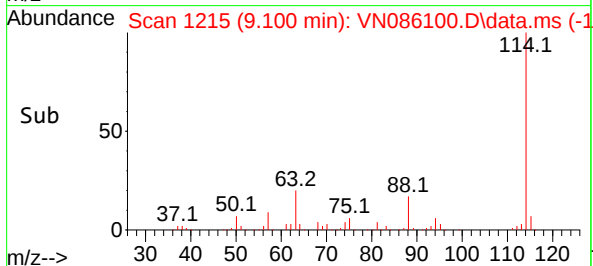
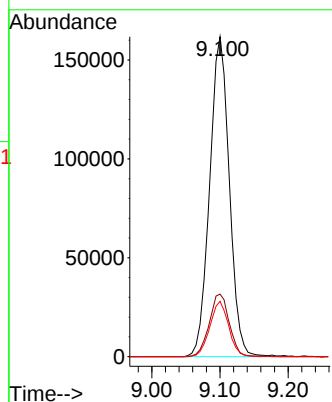
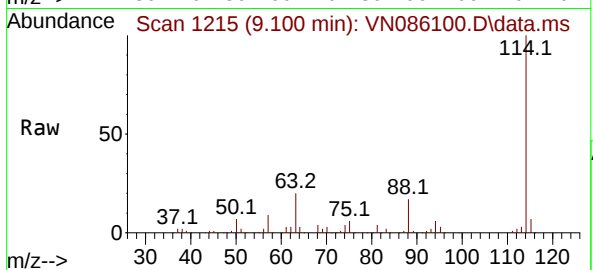
Tgt Ion:114 Resp: 324941

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.6

88 17.3 0.0 32.6



#35

Dibromofluoromethane

Concen: 49.710 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086100.D

Acq: 25 Mar 2025 15:04

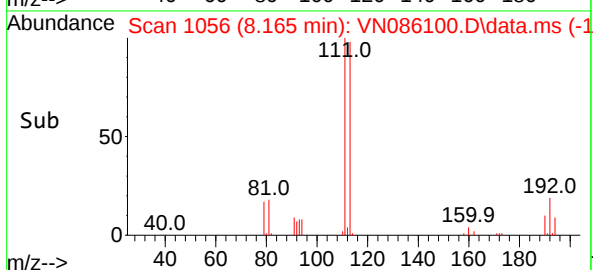
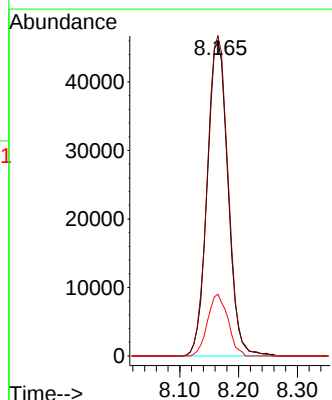
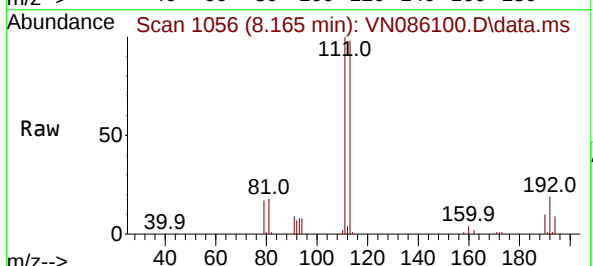
Tgt Ion:113 Resp: 112745

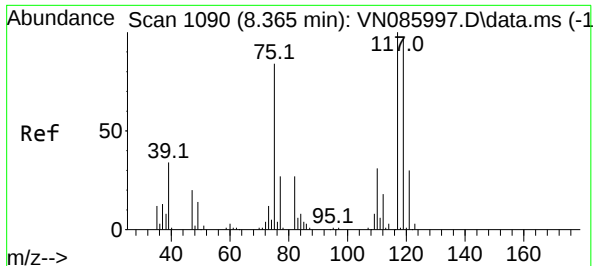
Ion Ratio Lower Upper

113 100

111 102.4 81.8 122.8

192 19.2 15.9 23.9

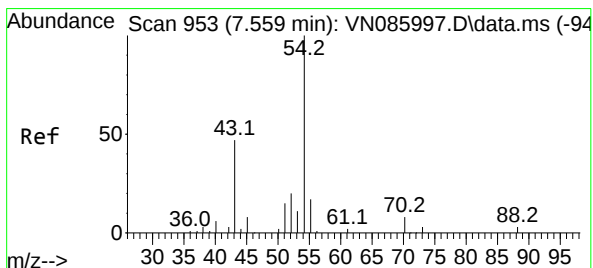
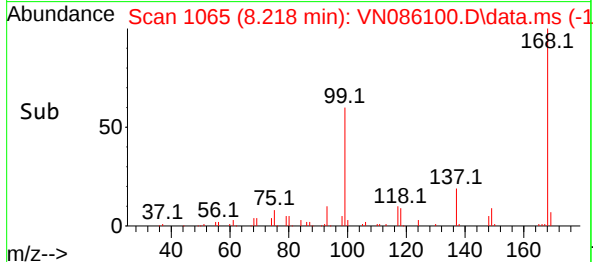
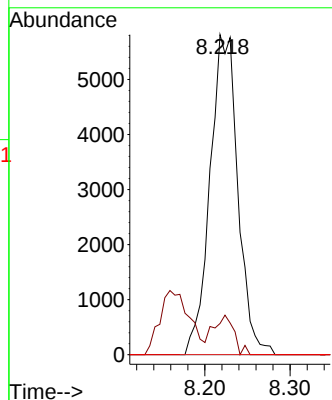
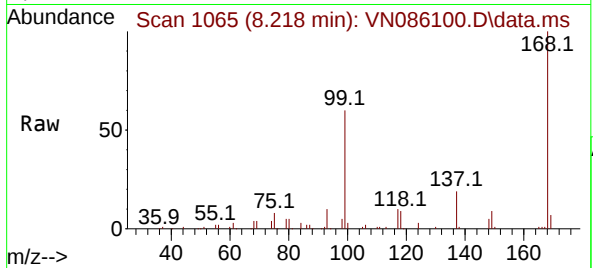




#36
1,1-Dichloropropene
Concen: 4.429 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN086100.D
Acq: 25 Mar 2025 15:04

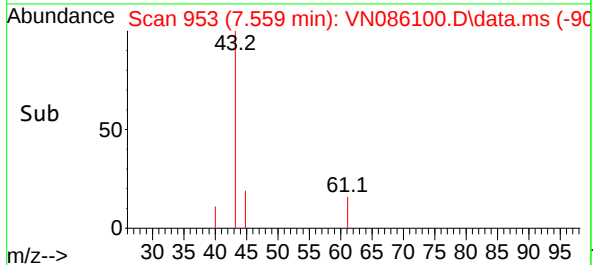
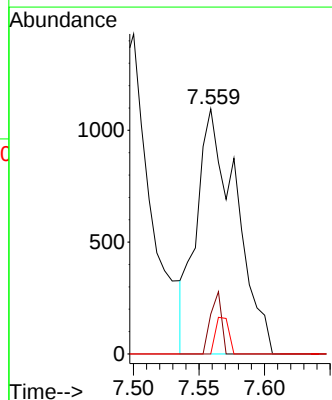
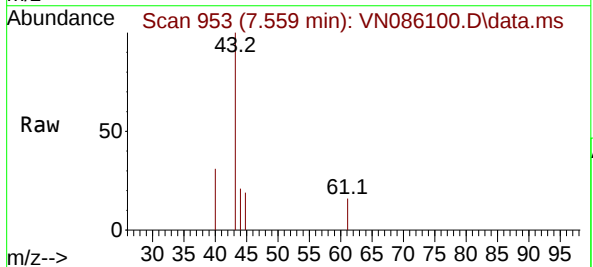
Instrument :
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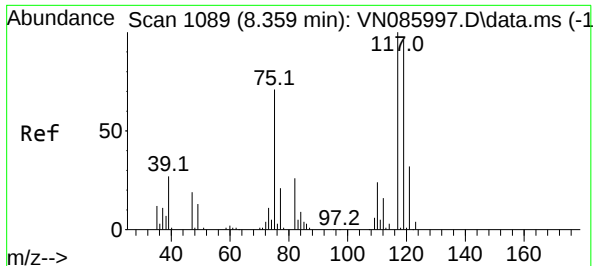
Tgt Ion: 75 Resp: 13226
Ion Ratio Lower Upper
75 100
110 9.2 17.8 53.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 0.921 ug/l
RT: 7.559 min Scan# 953
Delta R.T. -0.000 min
Lab File: VN086100.D
Acq: 25 Mar 2025 15:04

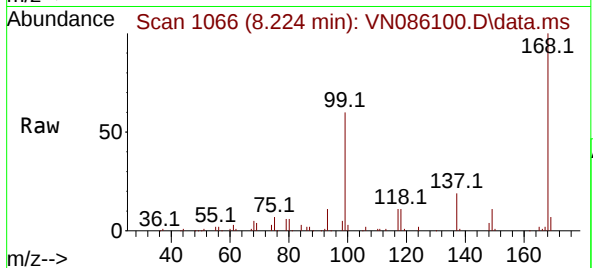
Tgt Ion: 43 Resp: 2320
Ion Ratio Lower Upper
43 100
61 6.9 13.0 19.4#
70 4.9 11.0 16.6#



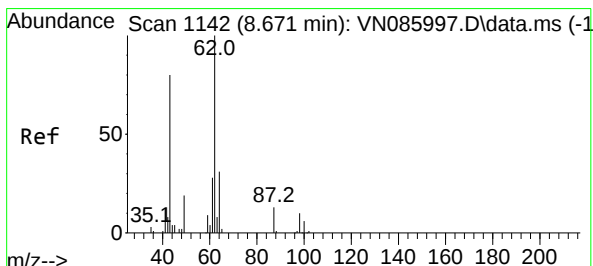
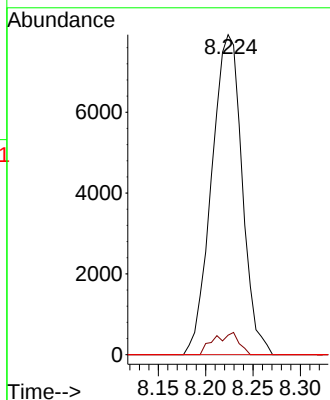
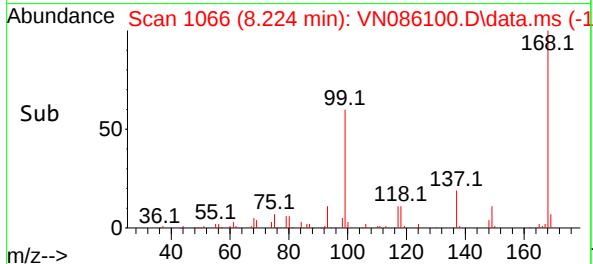


#38
Carbon Tetrachloride
Concen: 4.513 ug/l
RT: 8.224 min Scan# 1089
Delta R.T. -0.136 min
Lab File: VN086100.D
Acq: 25 Mar 2025 15:04

Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#05

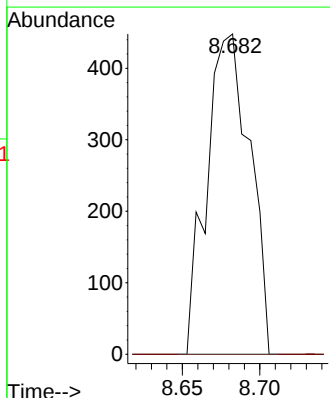
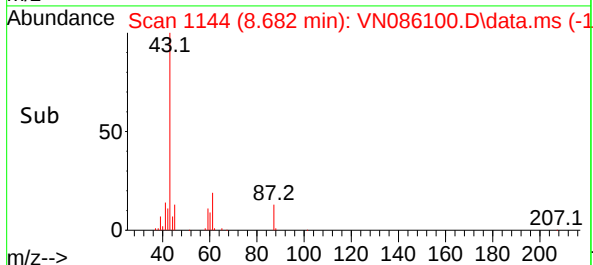
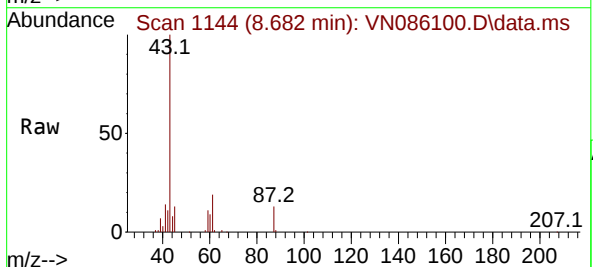


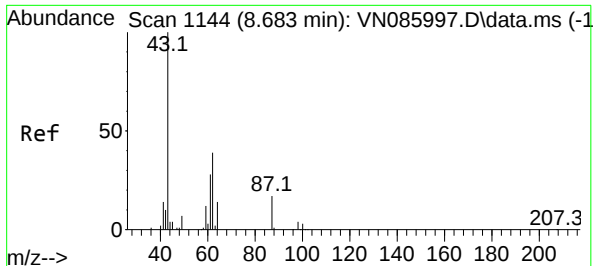
Tgt Ion:117 Resp: 17723
Ion Ratio Lower Upper
117 100
119 6.1 77.0 115.4#
121 0.0 25.6 38.4#



#42
1,2-Dichloroethane
Concen: 0.265 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.012 min
Lab File: VN086100.D
Acq: 25 Mar 2025 15:04

Tgt Ion: 62 Resp: 866
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.6





#43

Isopropyl Acetate

Concen: 22.513 ug/l

RT: 8.688 min Scan# 1144

Delta R.T. 0.006 min

Lab File: VN086100.D

Acq: 25 Mar 2025 15:04

Instrument :

MSVOA_N

ClientSampleId :

PB167276ZHE#05

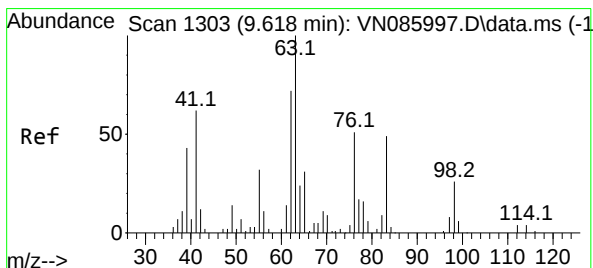
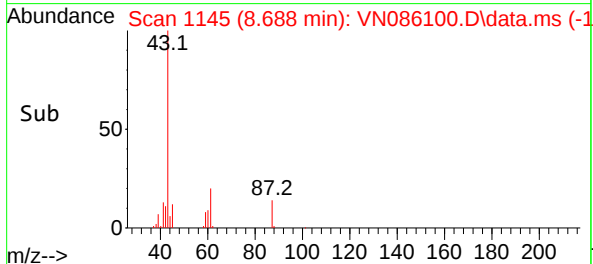
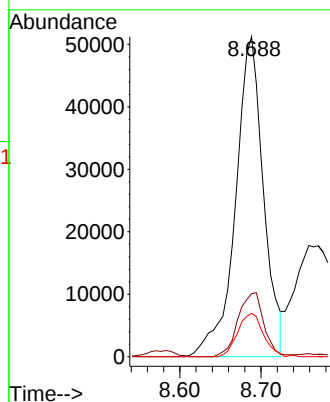
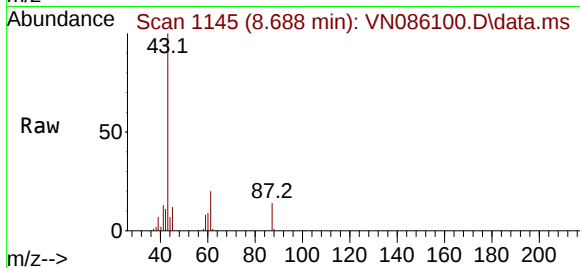
Tgt Ion: 43 Resp: 122915

Ion Ratio Lower Upper

43 100

61 18.4 25.0 37.6#

87 12.4 13.0 19.4#



#45

1,2-Dichloropropane

Concen: 0.647 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.123 min

Lab File: VN086100.D

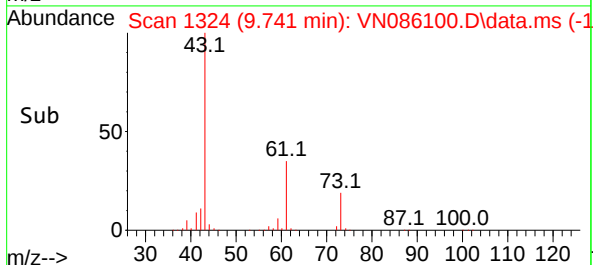
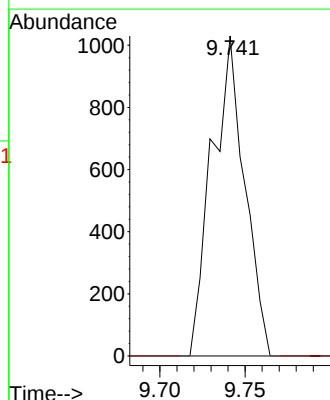
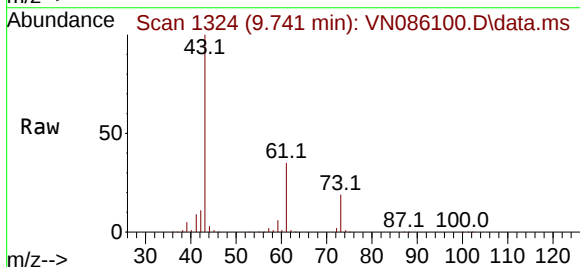
Acq: 25 Mar 2025 15:04

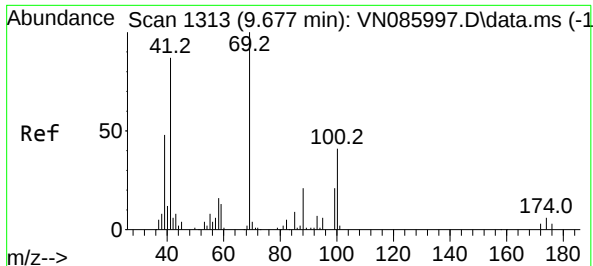
Tgt Ion: 63 Resp: 1379

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#

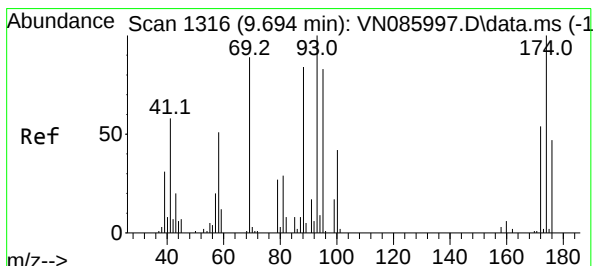
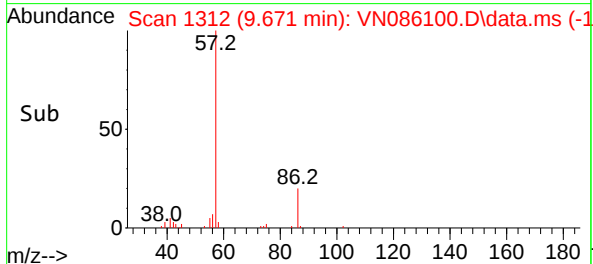
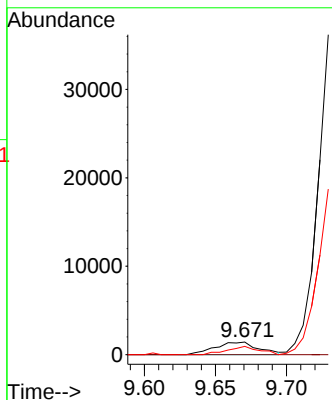
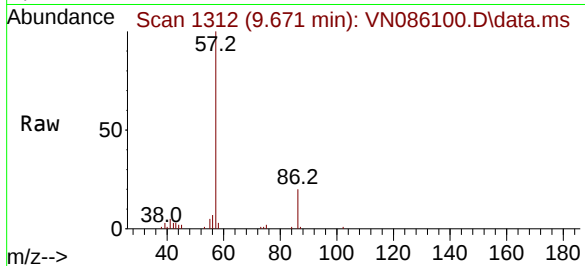




#48
Methyl methacrylate
Concen: 1.673 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN086100.D
Acq: 25 Mar 2025 15:04

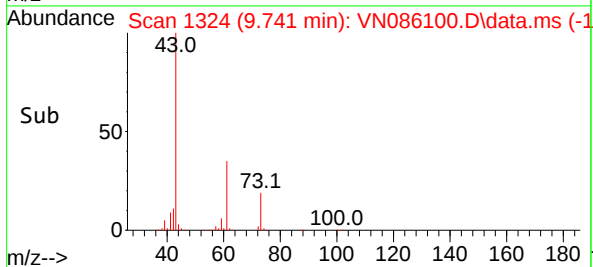
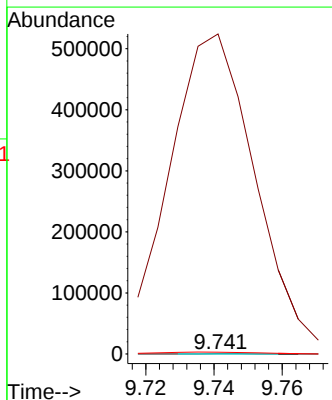
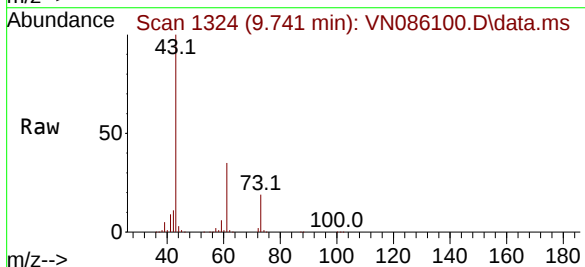
Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#05

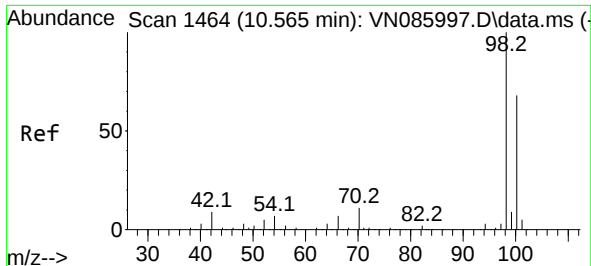
Tgt Ion: 41 Resp: 3015
Ion Ratio Lower Upper
41 100
69 0.0 83.1 124.7#
39 48.9 45.6 68.4



#49
1,4-Dioxane
Concen: 2.606 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.047 min
Lab File: VN086100.D
Acq: 25 Mar 2025 15:04

Tgt Ion: 88 Resp: 111
Ion Ratio Lower Upper
88 100
43 849645.0 21.7 32.5#
58 5774.8 50.4 75.6#

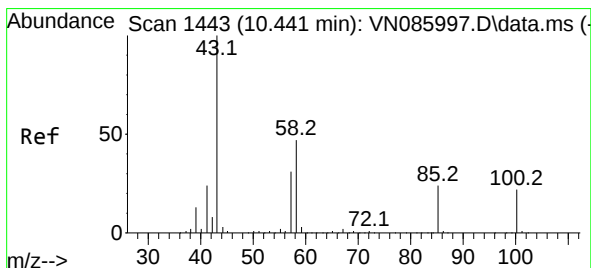
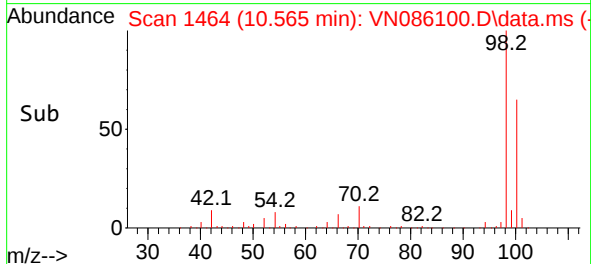
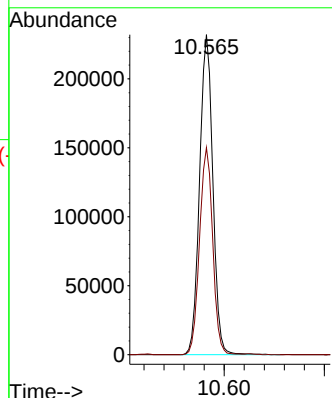
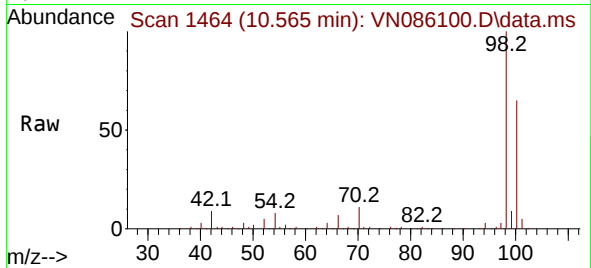




#50
Toluene-d8
Concen: 51.626 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086100.D
Acq: 25 Mar 2025 15:04

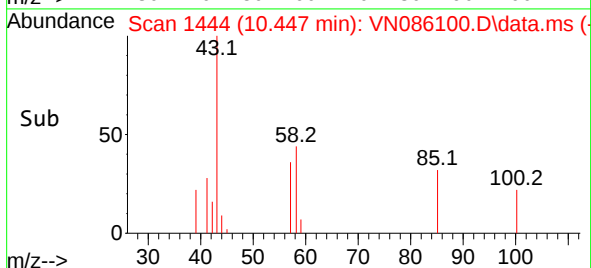
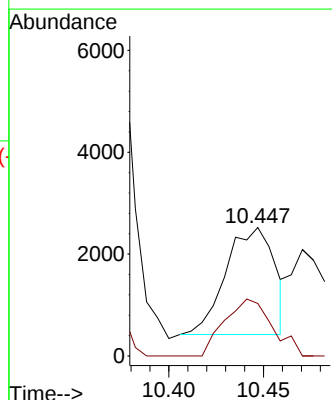
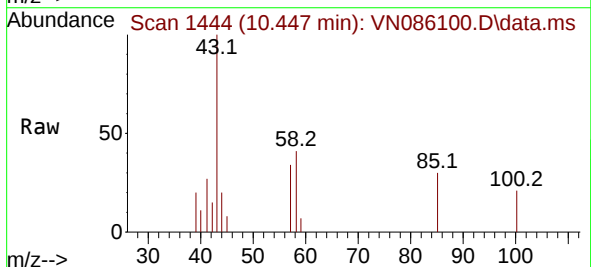
Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#05

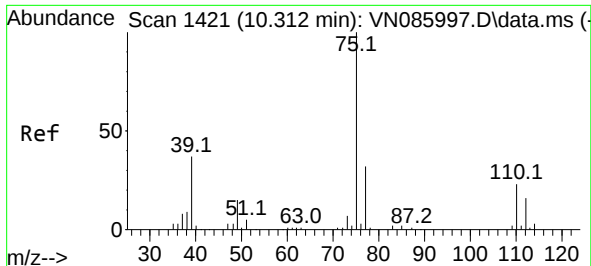
Tgt Ion: 98 Resp: 424957
Ion Ratio Lower Upper
98 100
100 64.2 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 1.565 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN086100.D
Acq: 25 Mar 2025 15:04

Tgt Ion: 43 Resp: 3768
Ion Ratio Lower Upper
43 100
58 51.9 37.4 56.0

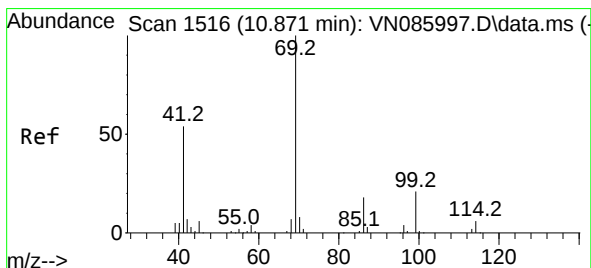
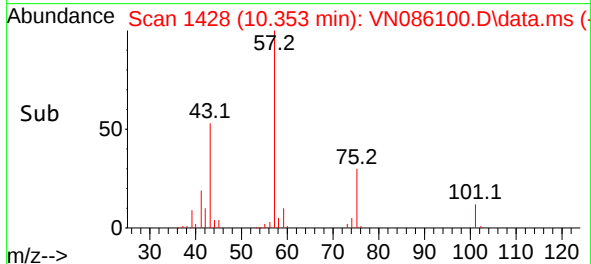
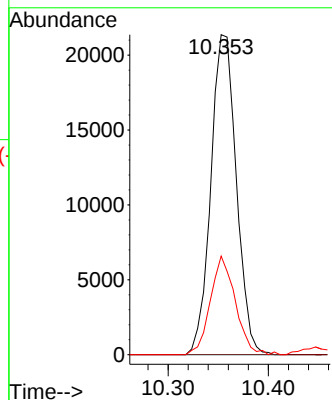
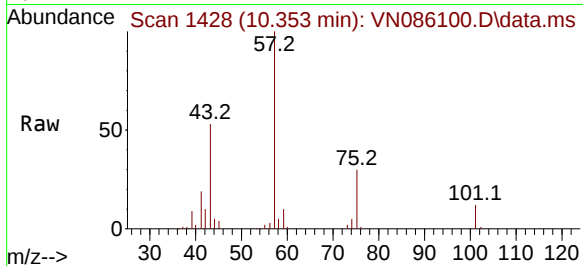




#54
 cis-1,3-Dichloropropene
 Concen: 10.508 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.041 min
 Lab File: VN086100.D
 Acq: 25 Mar 2025 15:04

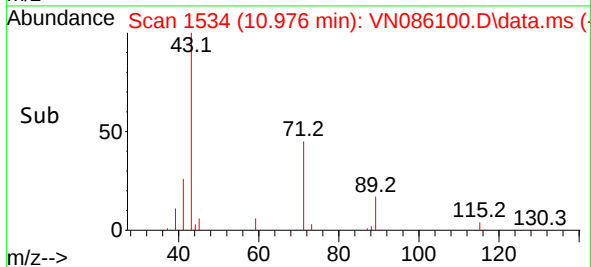
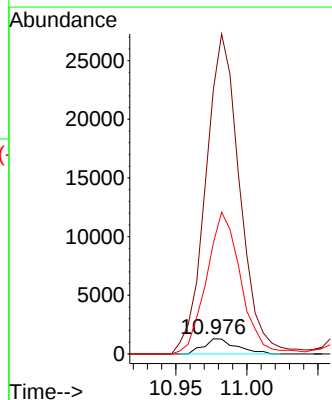
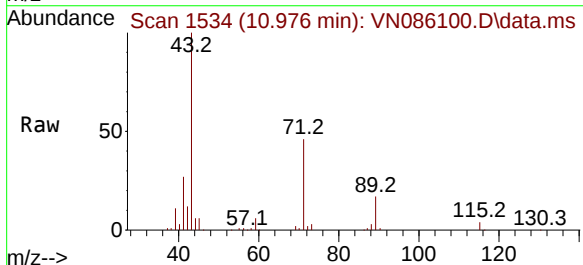
Instrument :
 MSVOA_N
 ClientSampleId :
 PB167276ZHE#05

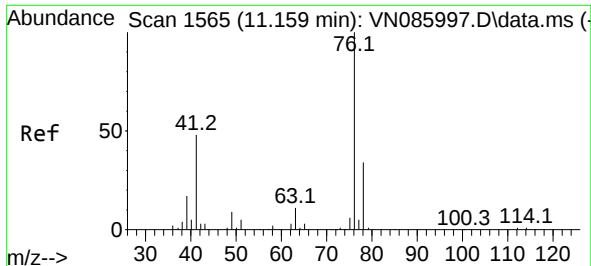
Tgt Ion: 75 Resp: 37737
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 30.8 29.6 44.4



#56
 Ethyl methacrylate
 Concen: 0.937 ug/l
 RT: 10.976 min Scan# 1534
 Delta R.T. 0.105 min
 Lab File: VN086100.D
 Acq: 25 Mar 2025 15:04

Tgt Ion: 69 Resp: 2078
 Ion Ratio Lower Upper
 69 100
 41 2193.5 41.6 62.4#
 39 980.8 21.8 32.8#





#57

1,3-Dichloropropane

Concen: 1.494 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN086100.D

Acq: 25 Mar 2025 15:04

Instrument :

MSVOA_N

ClientSampleId :

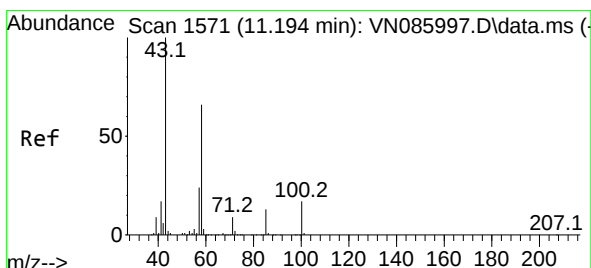
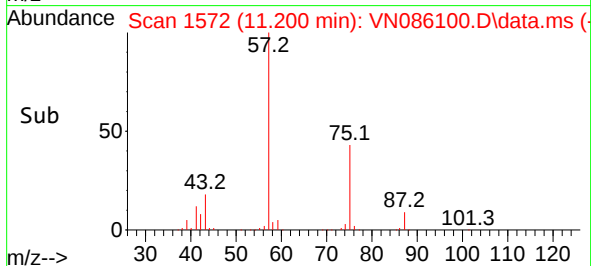
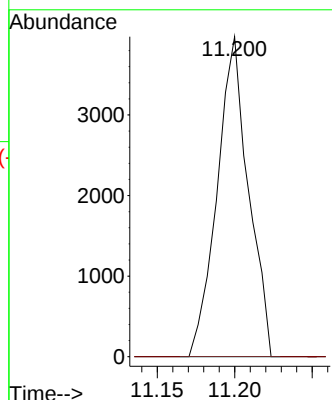
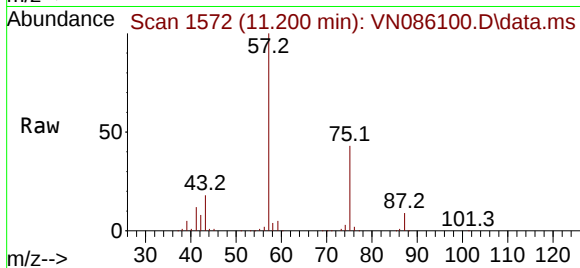
PB167276ZHE#05

Tgt Ion: 76 Resp: 5573

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 30.202 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN086100.D

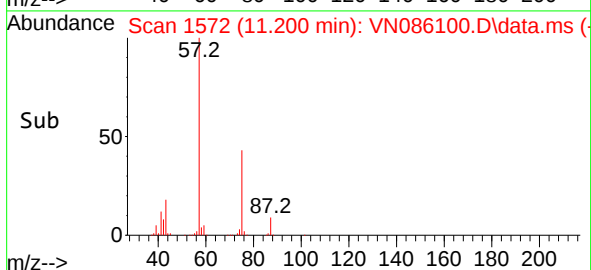
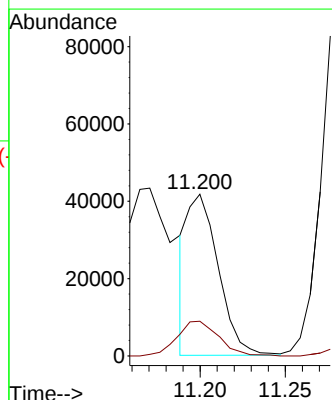
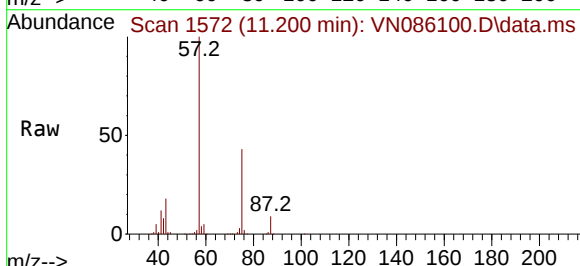
Acq: 25 Mar 2025 15:04

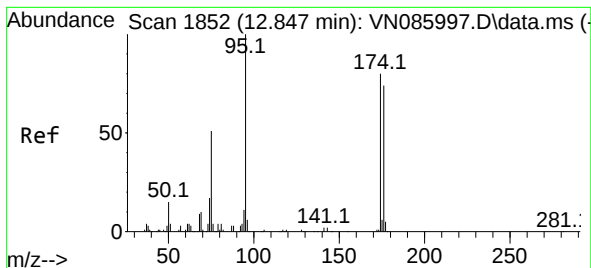
Tgt Ion: 43 Resp: 52977

Ion Ratio Lower Upper

43 100

58 29.1 32.4 97.2#

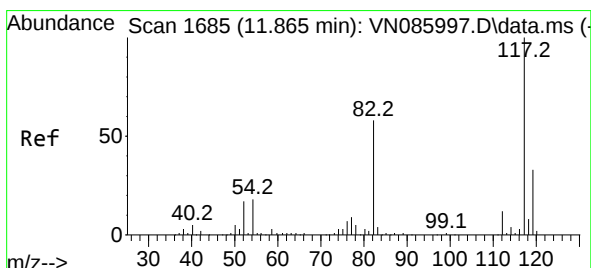
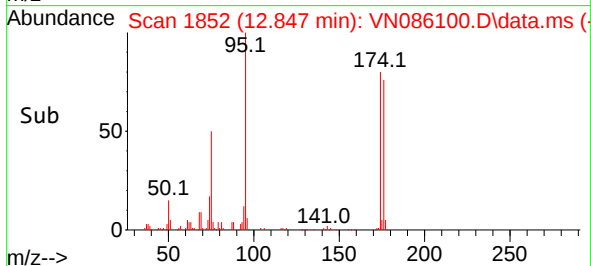
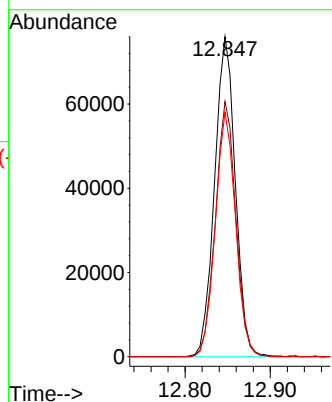
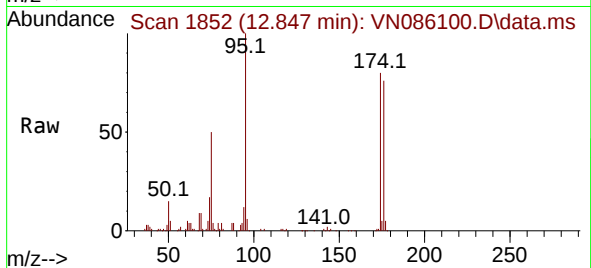




#62
4-Bromofluorobenzene
Concen: 43.861 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086100.D
Acq: 25 Mar 2025 15:04

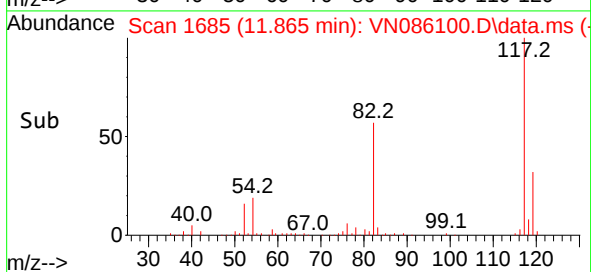
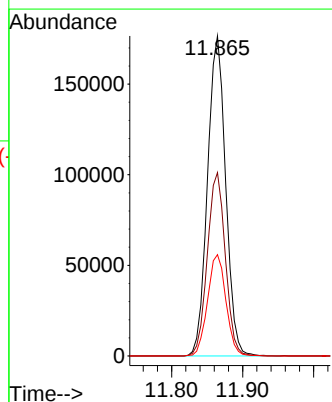
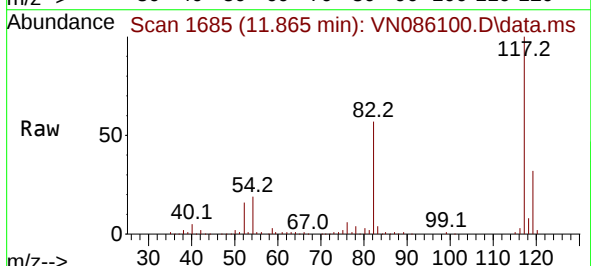
Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#05

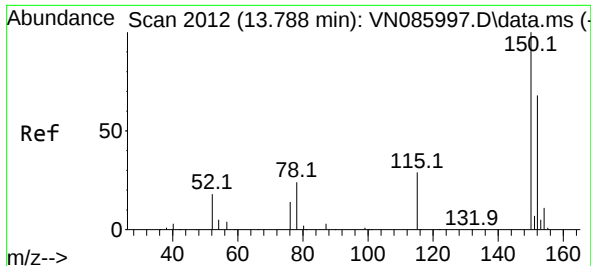
Tgt Ion: 95 Resp: 128757
Ion Ratio Lower Upper
95 100
174 79.0 0.0 156.8
176 74.5 0.0 152.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086100.D
Acq: 25 Mar 2025 15:04

Tgt Ion: 117 Resp: 313359
Ion Ratio Lower Upper
117 100
82 57.3 46.7 70.1
119 31.6 26.5 39.7

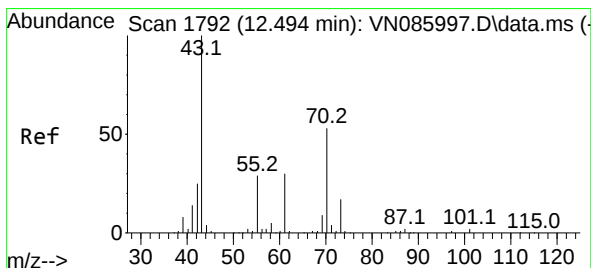
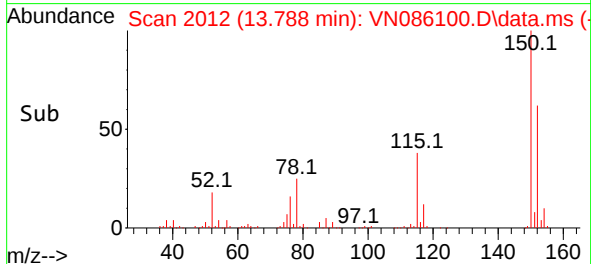
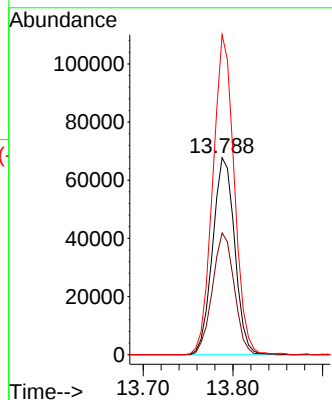
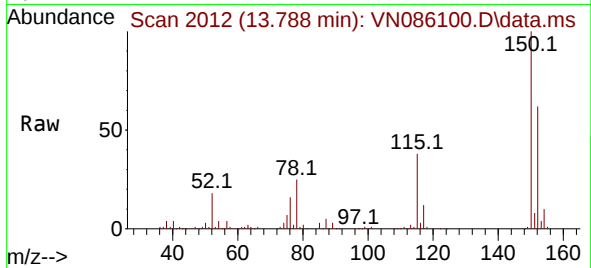




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086100.D
Acq: 25 Mar 2025 15:04

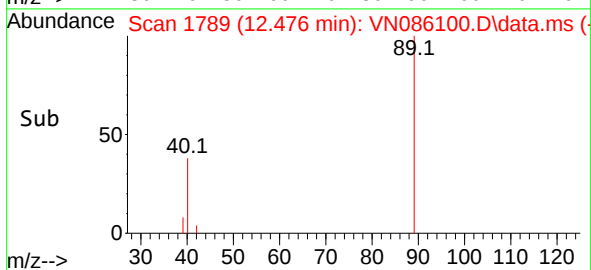
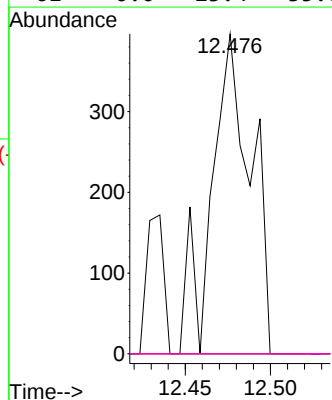
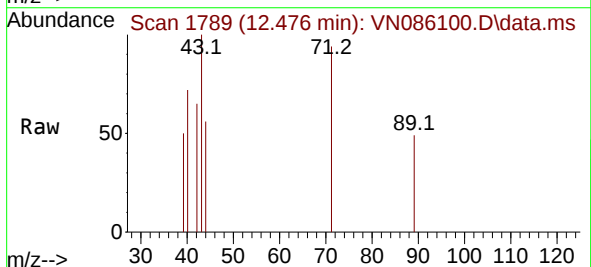
Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#05

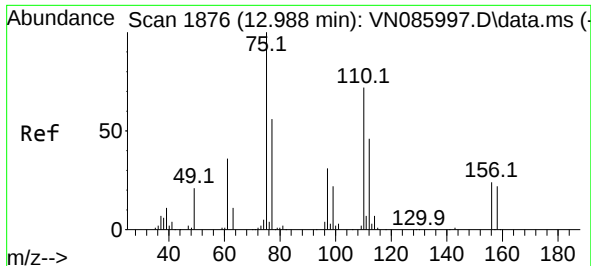
Tgt Ion:152 Resp: 115628
Ion Ratio Lower Upper
152 100
115 61.3 31.1 93.2
150 158.1 0.0 359.6



#74
N-ethyl acetate
Concen: 0.243 ug/l
RT: 12.476 min Scan# 1789
Delta R.T. -0.018 min
Lab File: VN086100.D
Acq: 25 Mar 2025 15:04

Tgt Ion: 43 Resp: 642
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#

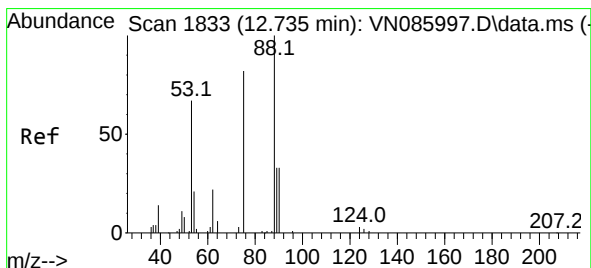
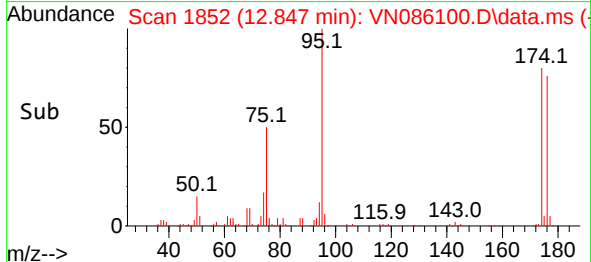
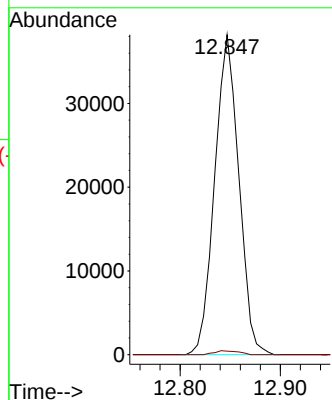
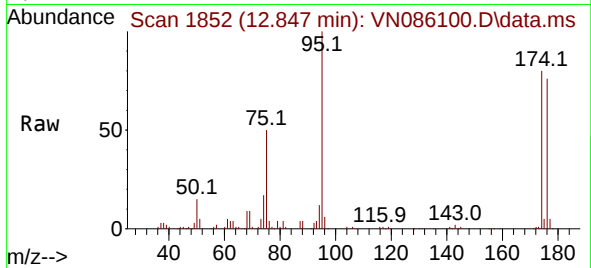




#76
1,2,3-Trichloropropane
Concen: 24.673 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086100.D
Acq: 25 Mar 2025 15:04

Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#05

Tgt Ion: 75 Resp: 63870
Ion Ratio Lower Upper
75 100
77 1.2 83.7 251.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.230 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086100.D
Acq: 25 Mar 2025 15:04

Tgt Ion: 75 Resp: 63870
Ion Ratio Lower Upper
75 100
53 0.1 66.0 99.0#
89 0.0 36.9 55.3#

