

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010423\
 Data File : VN076086.D
 Acq On : 04 Jan 2023 17:06
 Operator : JC\MD
 Sample : PB150013ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB150013ZHE#07

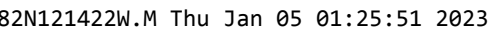
Quant Time: Jan 05 01:25:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

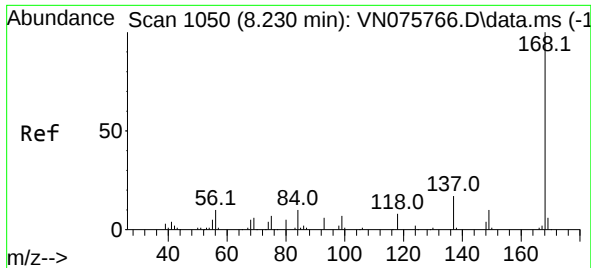
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.236	168	328722	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	534907	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	478851	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	200252	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	173634	48.553	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.100%		
35) Dibromofluoromethane	8.177	113	158103	47.728	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.460%		
50) Toluene-d8	10.571	98	625609	50.512	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.020%		
62) 4-Bromofluorobenzene	12.853	95	197330	48.104	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.200%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.512	59	811	1.603	ug/l #	72
16) Acetone	4.442	43	41621	33.762	ug/l	95
18) Methyl Acetate	5.053	43	3371	0.925	ug/l #	66
20) Methylene Chloride	5.289	84	13755	3.576	ug/l	98
25) 2-Butanone	7.500	43	8623	4.996	ug/l	89
29) Tetrahydrofuran	7.859	42	980	0.906	ug/l #	75
31) Cyclohexane	8.236	56	6275	1.225	ug/l #	25
36) 1,1-Dichloropropene	8.230	75	23106	5.251	ug/l #	49
37) Ethyl Acetate	7.577	43	30843	8.726	ug/l	99
38) Carbon Tetrachloride	8.230	117	32553	6.610	ug/l #	16
42) 1,2-Dichloroethane	8.683	62	1329	0.294	ug/l #	72
43) Isopropyl Acetate	8.700	43	309581	53.095	ug/l #	72
48) Methyl methacrylate	9.671	41	4151	1.581	ug/l #	36
51) 4-Methyl-2-Pentanone	10.447	43	14796	4.196	ug/l #	76
53) t-1,3-Dichloropropene	10.735	75	969	0.206	ug/l	96
54) cis-1,3-Dichloropropene	10.365	75	63003	12.199	ug/l #	63
56) Ethyl methacrylate	10.994	69	1803	0.391	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	8749	1.537	ug/l #	42
59) 2-Hexanone	11.206	43	84481	32.853	ug/l #	53
71) Bromoform	12.847	173	1164	0.439	ug/l #	1
74) N-amyl acetate	12.488	43	2143	0.505	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	102212	25.321	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	102212	91.144	ug/l #	12
95) Naphthalene	15.641	128	690	2.238	ug/l #	69

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

Quant Time: Jan 05 01:25:44 2023
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Quant Title : SW846 8260
QLast Update : Wed Dec 14 13:03:41 2022
Response via : Initial Calibration

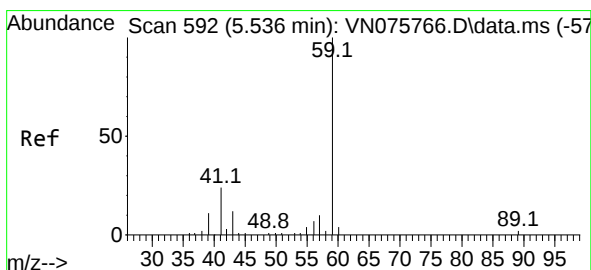
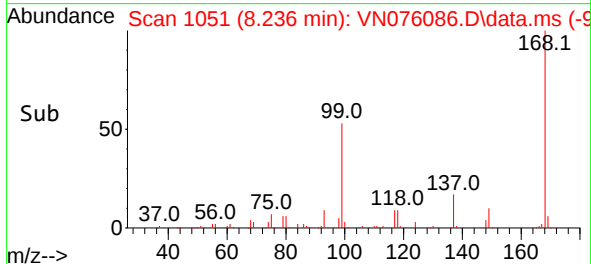
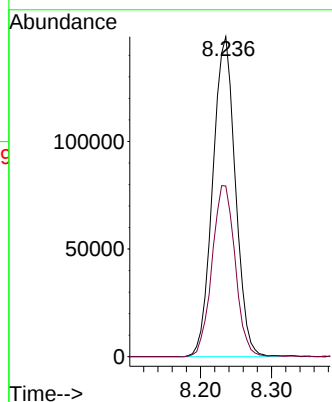
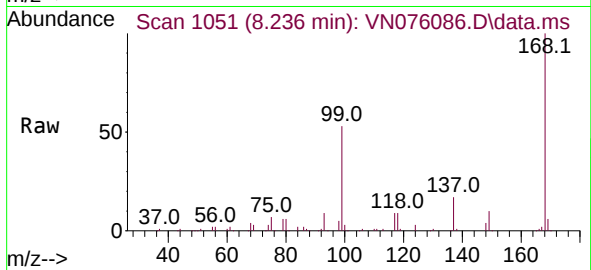




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1050
Delta R.T. 0.006 min
Lab File: VN076086.D
Acq: 04 Jan 2023 17:06

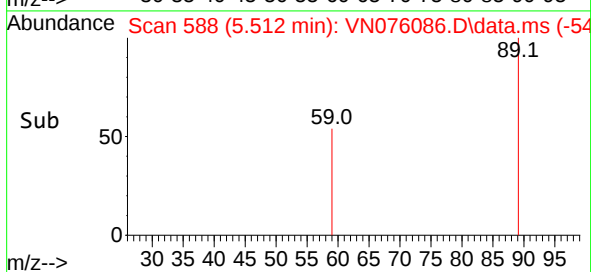
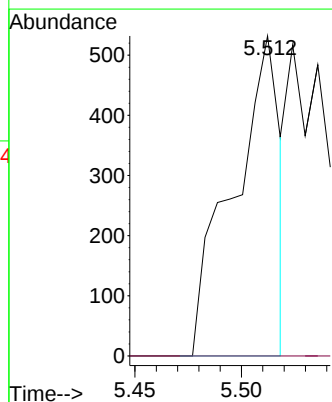
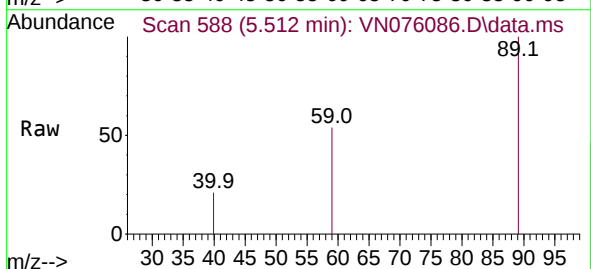
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#07

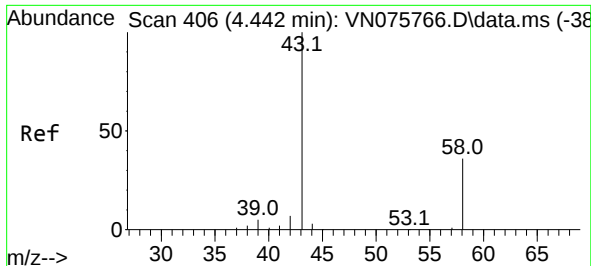
Tgt Ion:168 Resp: 328722
Ion Ratio Lower Upper
168 100
99 53.4 44.2 66.4



#11
Tert butyl alcohol
Concen: 1.603 ug/l
RT: 5.512 min Scan# 588
Delta R.T. -0.023 min
Lab File: VN076086.D
Acq: 04 Jan 2023 17:06

Tgt Ion: 59 Resp: 811
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

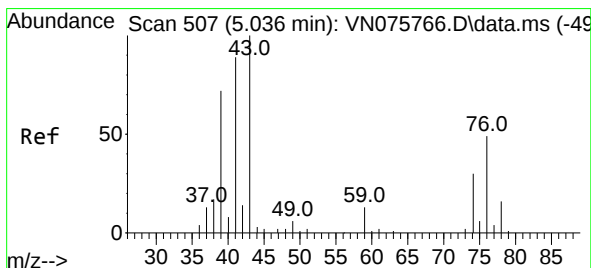
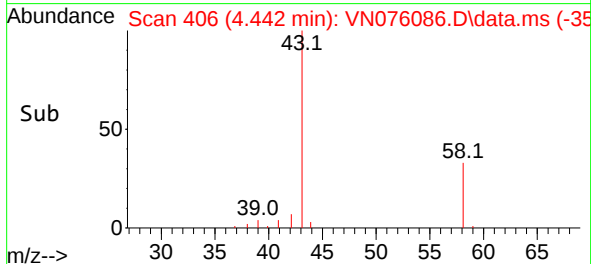
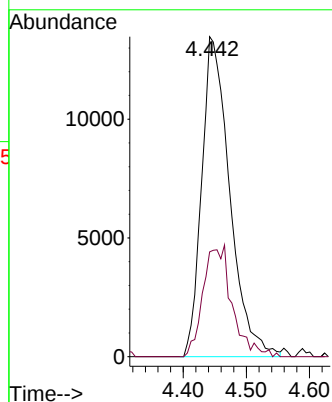
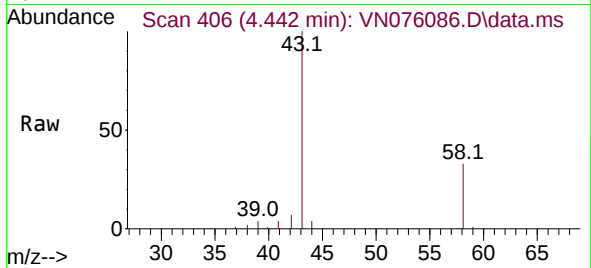




#16
Acetone
Concen: 33.762 ug/l
RT: 4.442 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN076086.D
Acq: 04 Jan 2023 17:06

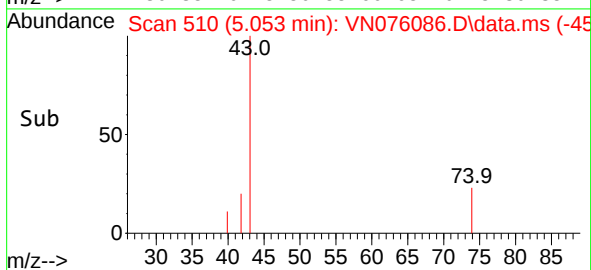
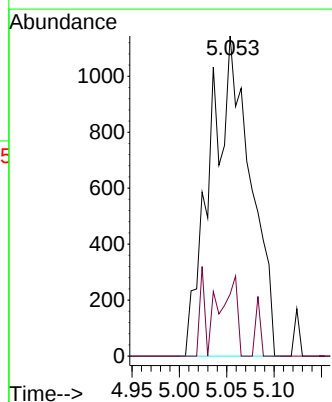
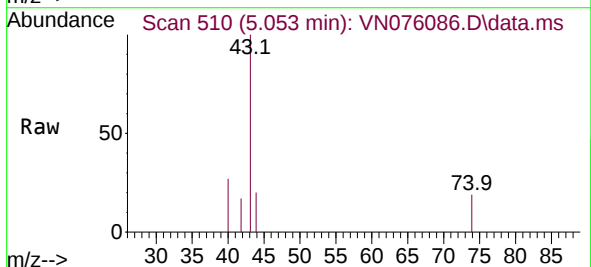
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#07

Tgt Ion: 43 Resp: 41621
Ion Ratio Lower Upper
43 100
58 32.7 28.6 43.0



#18
Methyl Acetate
Concen: 0.925 ug/l
RT: 5.053 min Scan# 510
Delta R.T. 0.018 min
Lab File: VN076086.D
Acq: 04 Jan 2023 17:06

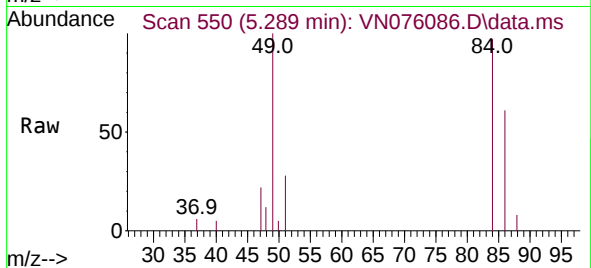
Tgt Ion: 43 Resp: 3371
Ion Ratio Lower Upper
43 100
74 11.2 23.6 35.4#



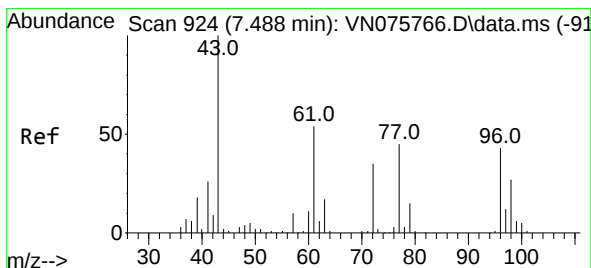
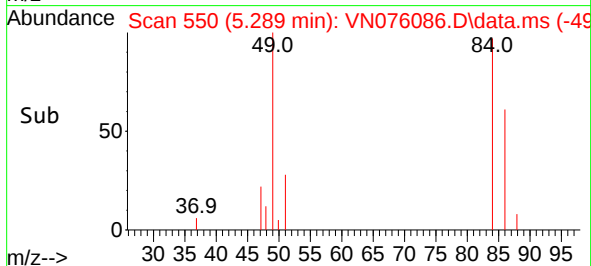
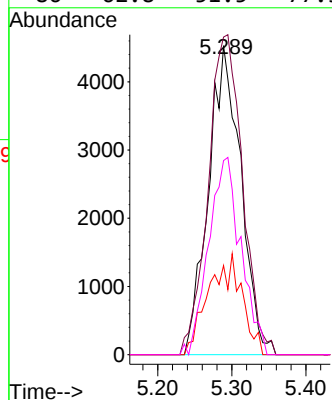


#20
Methylene Chloride
Concen: 3.576 ug/l
RT: 5.289 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN076086.D
Acq: 04 Jan 2023 17:06

Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#07

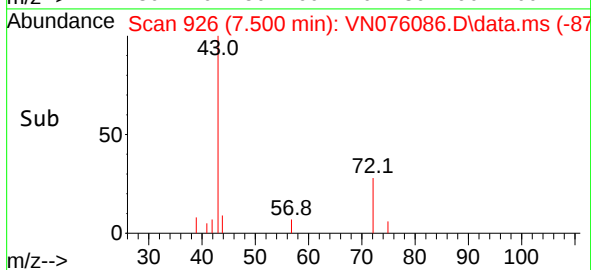
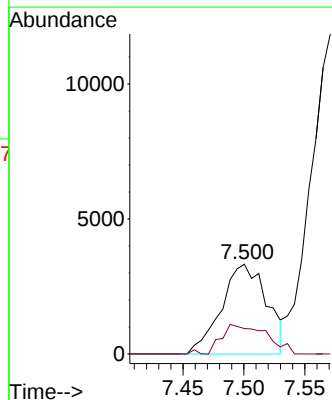
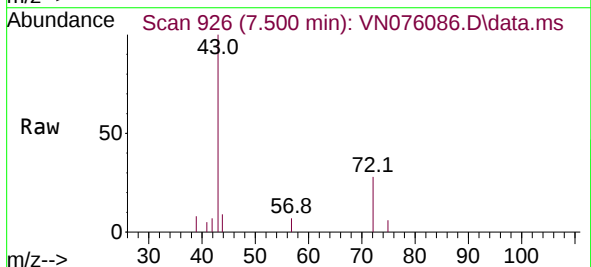


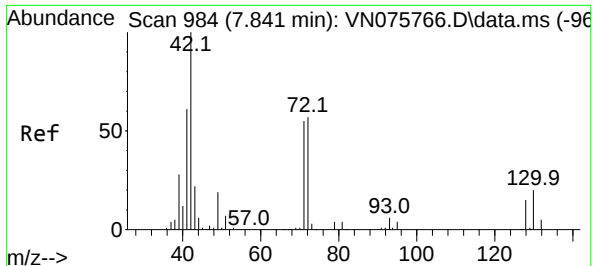
Tgt Ion:	84	Resp:	13755
Ion	Ratio	Lower	Upper
84	100		
49	102.8	81.8	122.6
51	28.9	26.7	40.1
86	62.8	51.5	77.3



#25
2-Butanone
Concen: 4.996 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.012 min
Lab File: VN076086.D
Acq: 04 Jan 2023 17:06

Tgt Ion:	43	Resp:	8623
Ion	Ratio	Lower	Upper
43	100		
72	28.3	28.0	42.0





#29

Tetrahydrofuran

Concen: 0.906 ug/l

RT: 7.859 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN076086.D

Acq: 04 Jan 2023 17:06

Instrument :

MSVOA_N

ClientSampleId :

PB150013ZHE#07

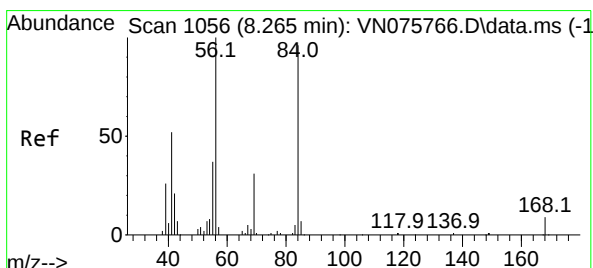
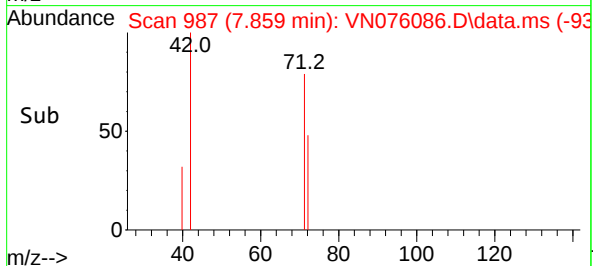
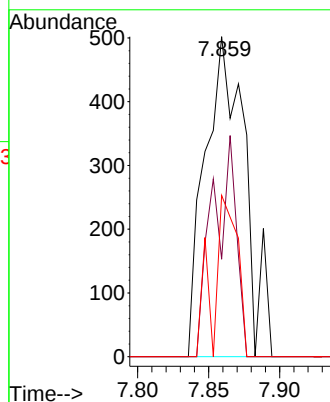
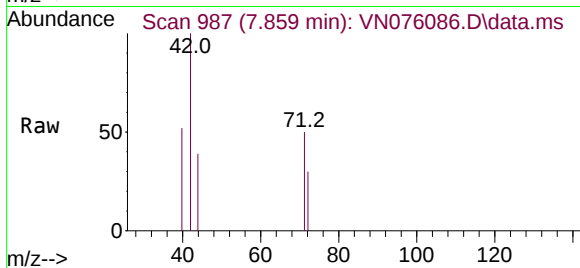
Tgt Ion: 42 Resp: 980

Ion Ratio Lower Upper

42 100

72 40.2 44.5 66.7#

71 30.4 41.0 61.6#



#31

Cyclohexane

Concen: 1.225 ug/l

RT: 8.236 min Scan# 1051

Delta R.T. -0.029 min

Lab File: VN076086.D

Acq: 04 Jan 2023 17:06

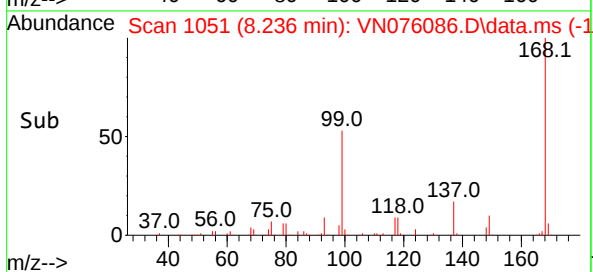
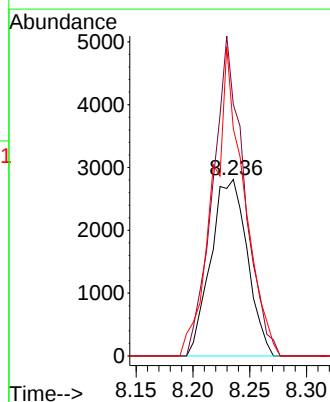
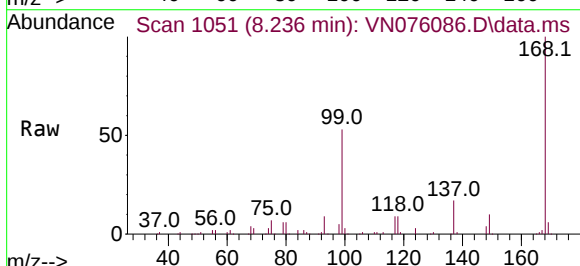
Tgt Ion: 56 Resp: 6275

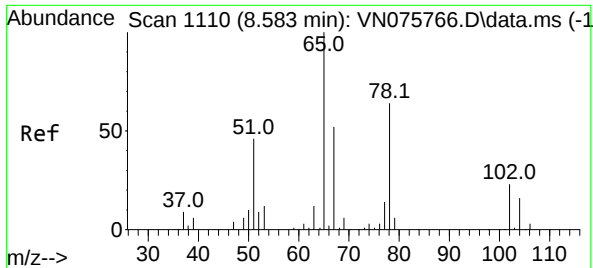
Ion Ratio Lower Upper

56 100

69 142.6 24.7 37.1#

84 128.8 76.5 114.7#





#33

1,2-Dichloroethane-d4

Concen: 48.553 ug/l

RT: 8.589 min Scan# 1111

Delta R.T. 0.006 min

Lab File: VN076086.D

Acq: 04 Jan 2023 17:06

Instrument :

MSVOA_N

ClientSampleId :

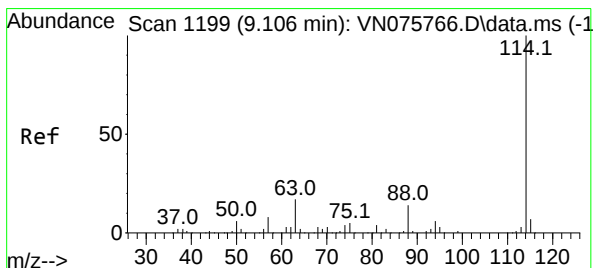
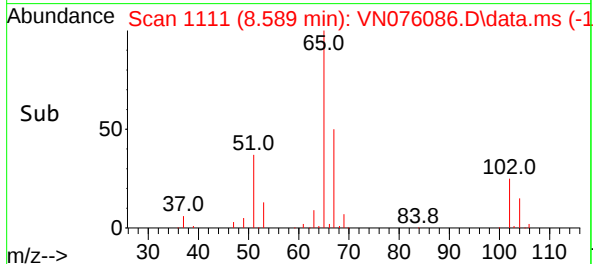
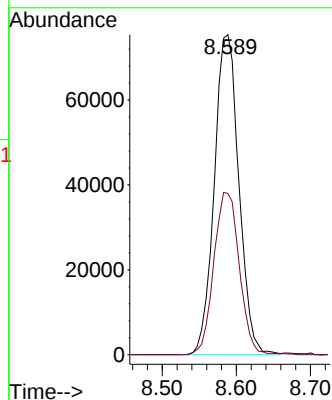
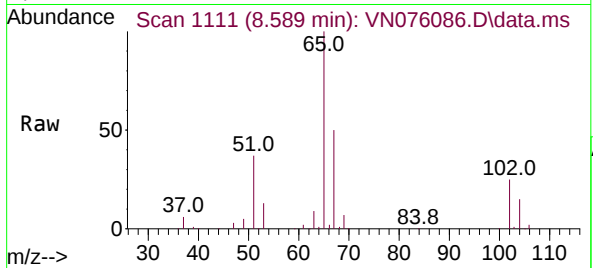
PB150013ZHE#07

Tgt Ion: 65 Resp: 173634

Ion Ratio Lower Upper

65 100

67 52.6 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN076086.D

Acq: 04 Jan 2023 17:06

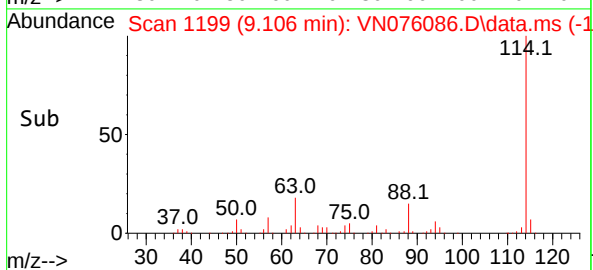
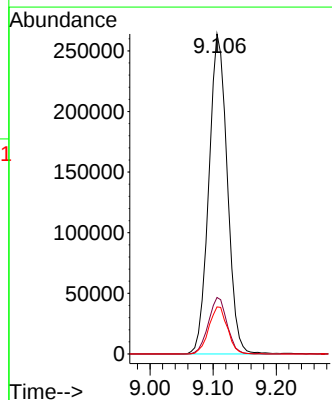
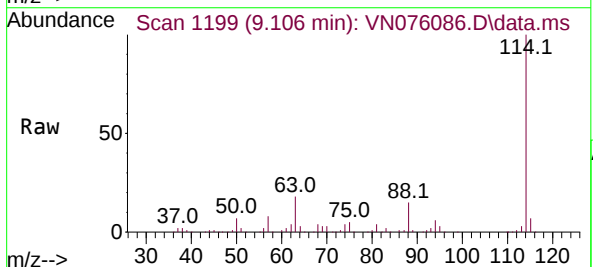
Tgt Ion: 114 Resp: 534907

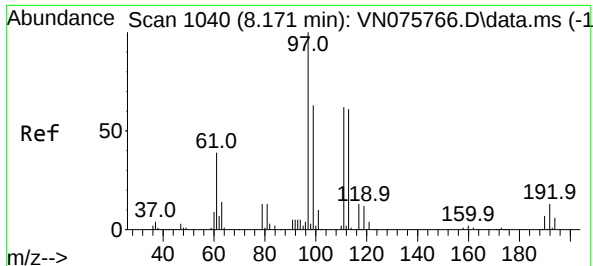
Ion Ratio Lower Upper

114 100

63 17.6 0.0 34.4

88 14.7 0.0 28.8

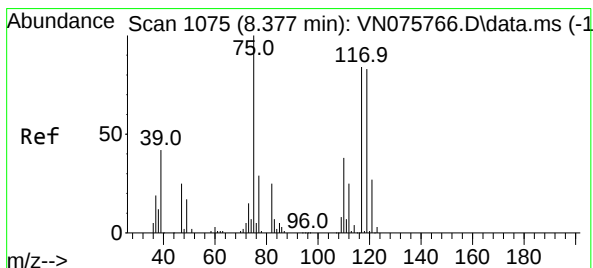
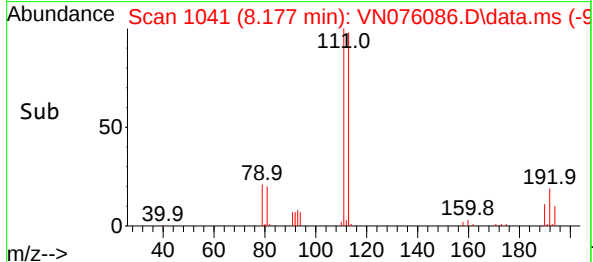
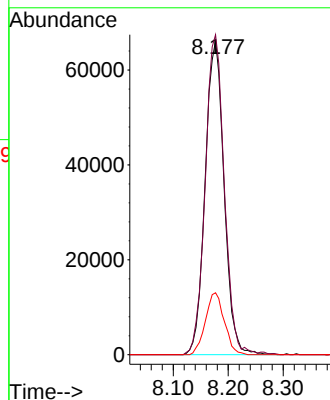
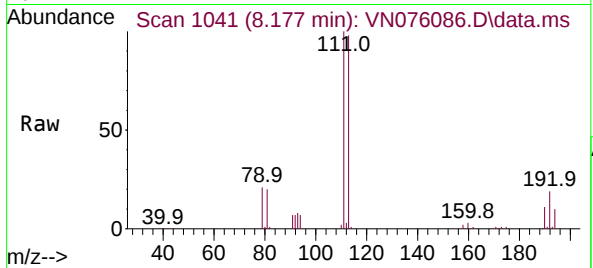




#35
Dibromofluoromethane
Concen: 47.728 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN076086.D
Acq: 04 Jan 2023 17:06

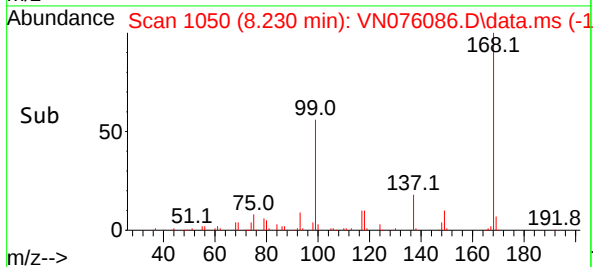
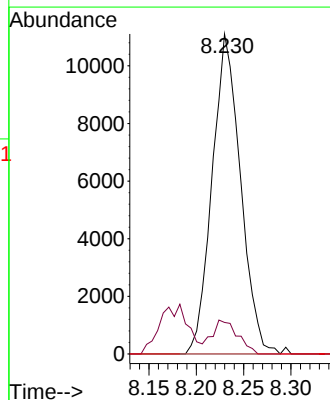
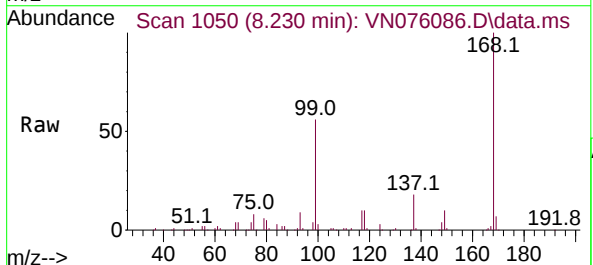
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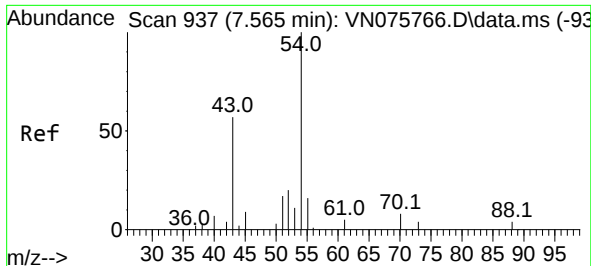
Tgt Ion:113 Resp: 158103
Ion Ratio Lower Upper
113 100
111 102.7 83.4 125.2
192 19.7 16.1 24.1



#36
1,1-Dichloropropene
Concen: 5.251 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN076086.D
Acq: 04 Jan 2023 17:06

Tgt Ion: 75 Resp: 23106
Ion Ratio Lower Upper
75 100
110 9.5 18.8 56.4#
77 0.0 24.1 36.1#

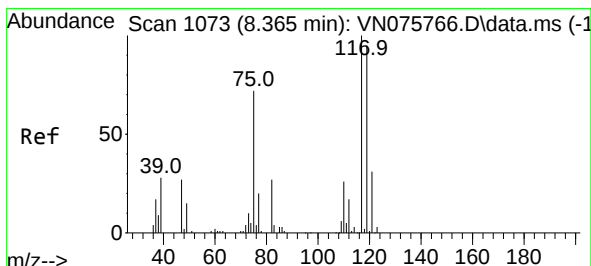
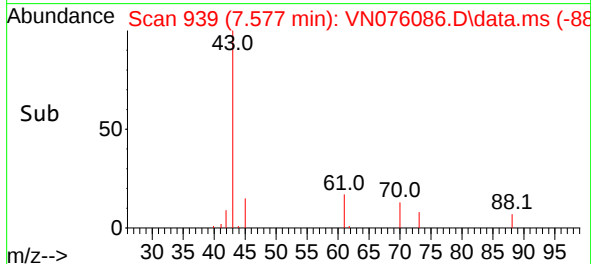
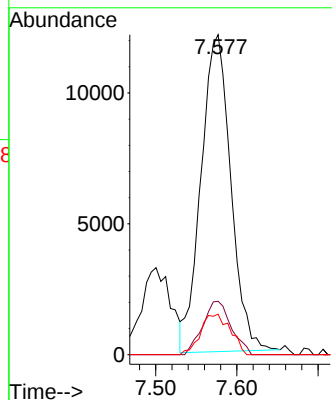
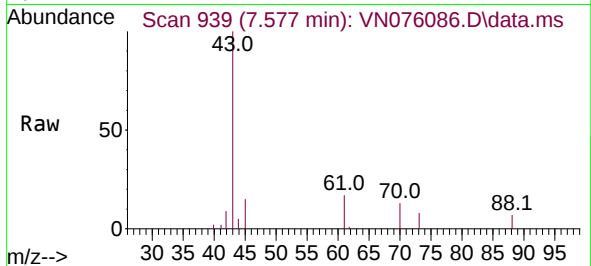




#37
Ethyl Acetate
Concen: 8.726 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN076086.D
Acq: 04 Jan 2023 17:06

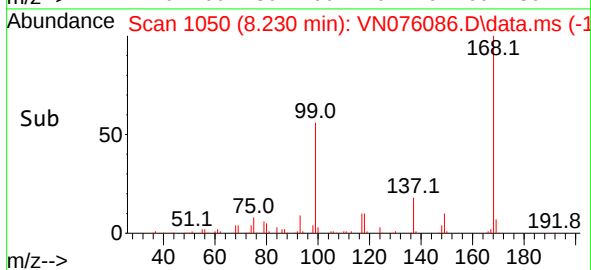
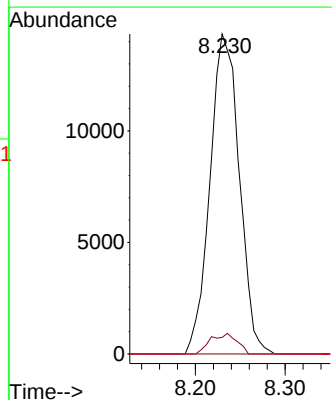
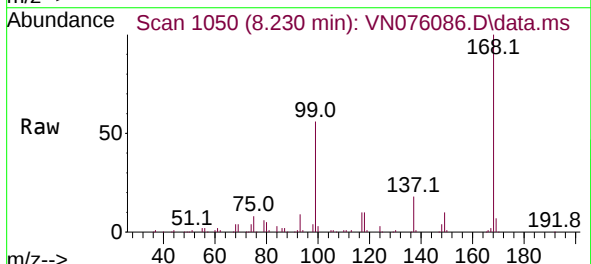
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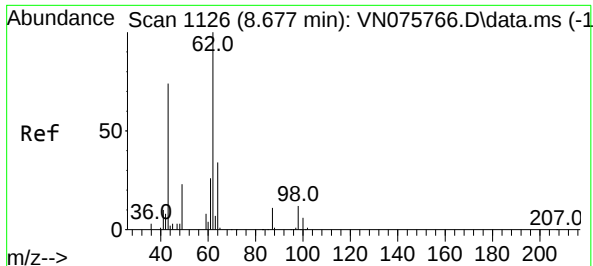
Tgt Ion: 43 Resp: 30843
Ion Ratio Lower Upper
43 100
61 16.1 13.0 19.4
70 12.8 9.4 14.0



#38
Carbon Tetrachloride
Concen: 6.610 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN076086.D
Acq: 04 Jan 2023 17:06

Tgt Ion: 117 Resp: 32553
Ion Ratio Lower Upper
117 100
119 5.2 76.1 114.1#
121 0.0 24.5 36.7#





#42

1,2-Dichloroethane

Concen: 0.294 ug/l

RT: 8.683 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN076086.D

Acq: 04 Jan 2023 17:06

Instrument :

MSVOA_N

ClientSampleId :

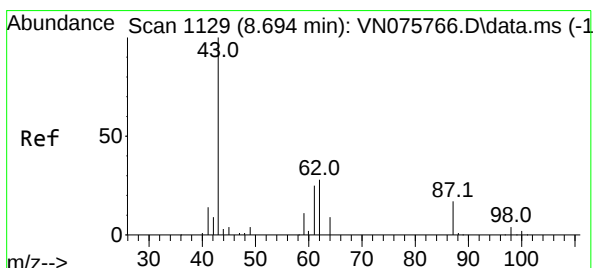
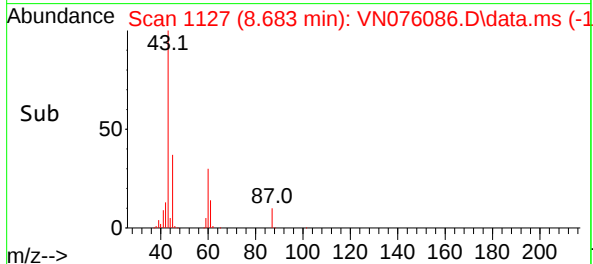
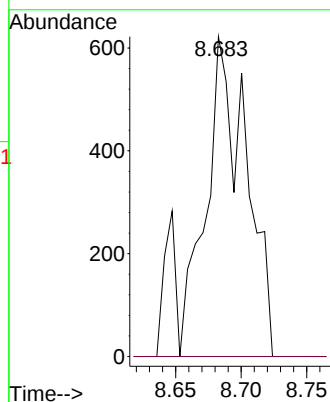
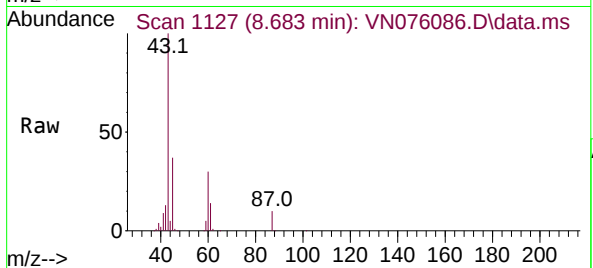
PB150013ZHE#07

Tgt Ion: 62 Resp: 1329

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.8



#43

Isopropyl Acetate

Concen: 53.095 ug/l

RT: 8.700 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VN076086.D

Acq: 04 Jan 2023 17:06

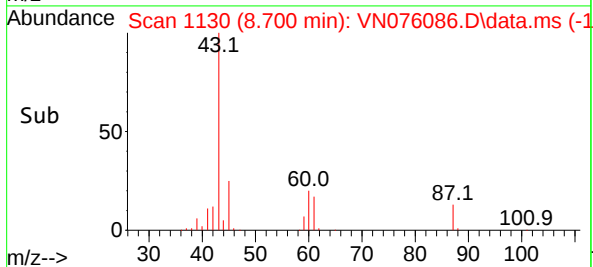
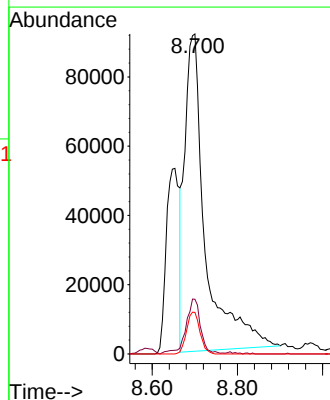
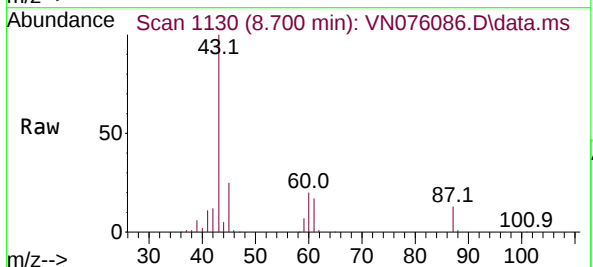
Tgt Ion: 43 Resp: 309581

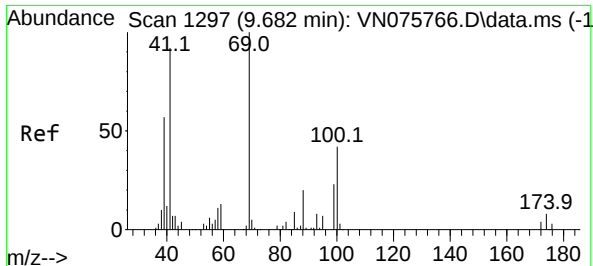
Ion Ratio Lower Upper

43 100

61 12.3 24.2 36.4#

87 8.5 13.3 19.9#

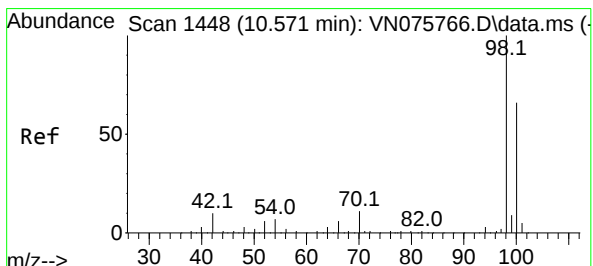
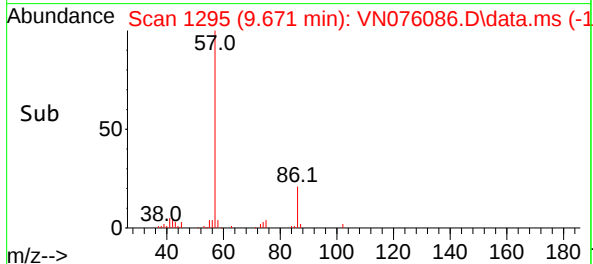
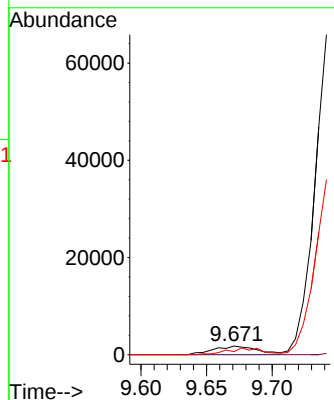
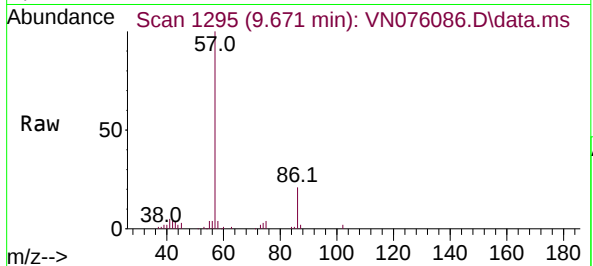




#48
Methyl methacrylate
Concen: 1.581 ug/l
RT: 9.671 min Scan# 1295
Delta R.T. -0.012 min
Lab File: VN076086.D
Acq: 04 Jan 2023 17:06

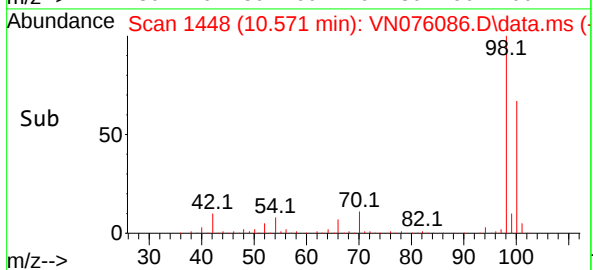
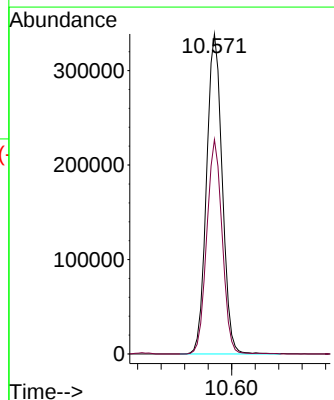
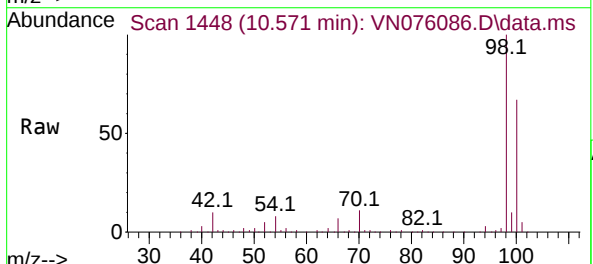
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#07

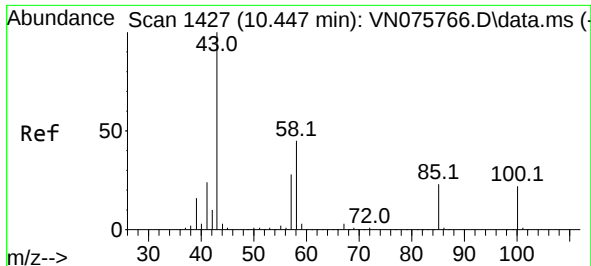
Tgt Ion: 41 Resp: 4151
Ion Ratio Lower Upper
41 100
69 0.0 81.9 122.9#
39 60.8 51.6 77.4



#50
Toluene-d8
Concen: 50.512 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN076086.D
Acq: 04 Jan 2023 17:06

Tgt Ion: 98 Resp: 625609
Ion Ratio Lower Upper
98 100
100 66.1 52.1 78.1

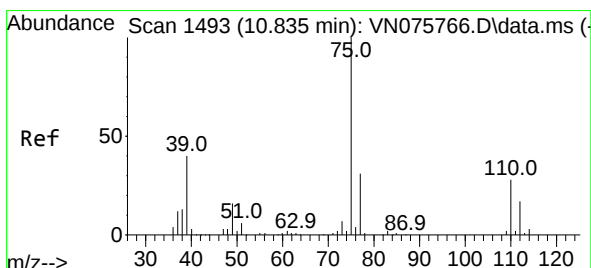
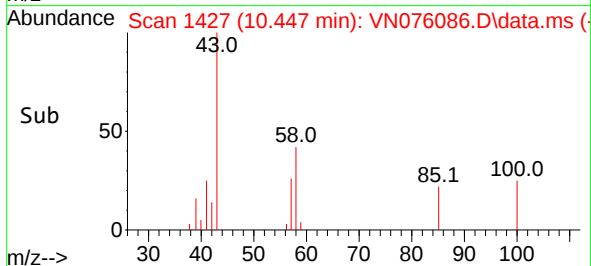
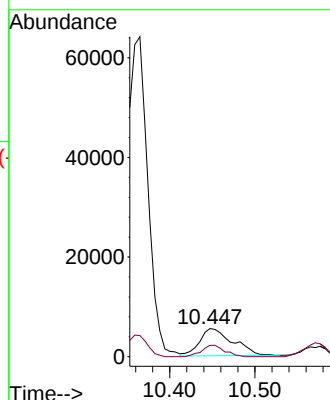
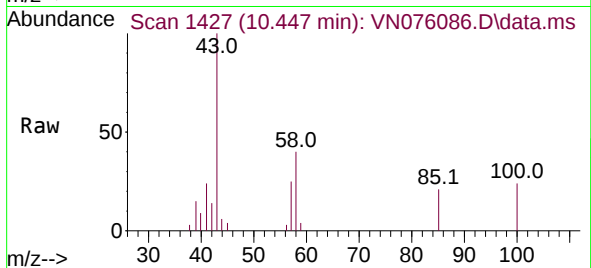




#51
4-Methyl-2-Pentanone
Concen: 4.196 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN076086.D
Acq: 04 Jan 2023 17:06

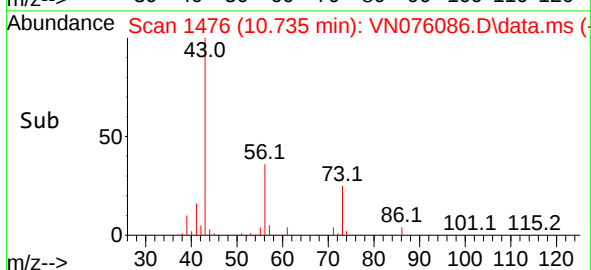
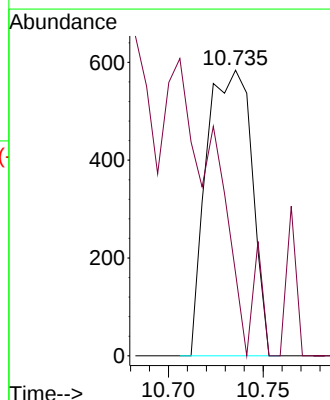
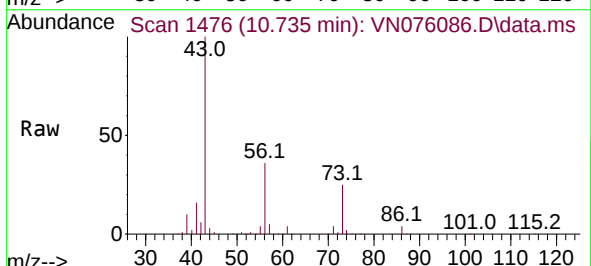
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#07

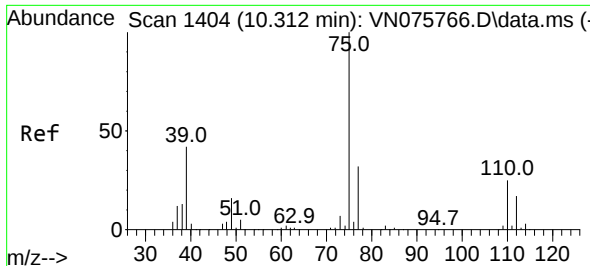
Tgt Ion: 43 Resp: 14796
Ion Ratio Lower Upper
43 100
58 29.0 35.5 53.3#



#53
t-1,3-Dichloropropene
Concen: 0.206 ug/l
RT: 10.735 min Scan# 1476
Delta R.T. -0.100 min
Lab File: VN076086.D
Acq: 04 Jan 2023 17:06

Tgt Ion: 75 Resp: 969
Ion Ratio Lower Upper
75 100
77 28.9 24.9 37.3

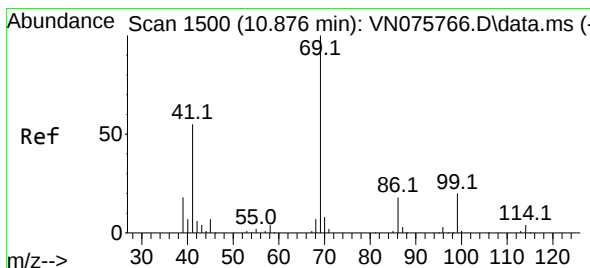
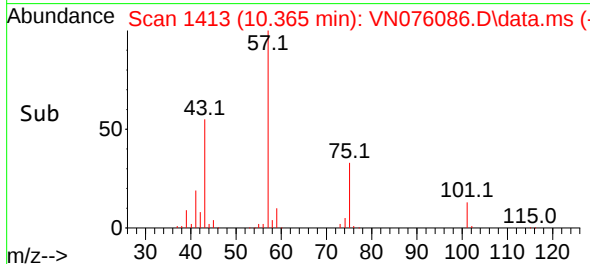
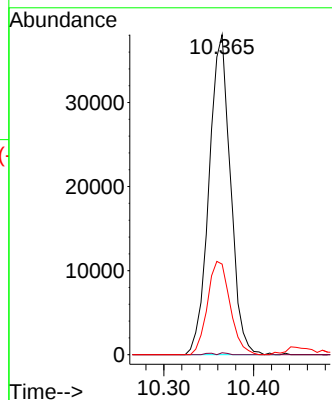
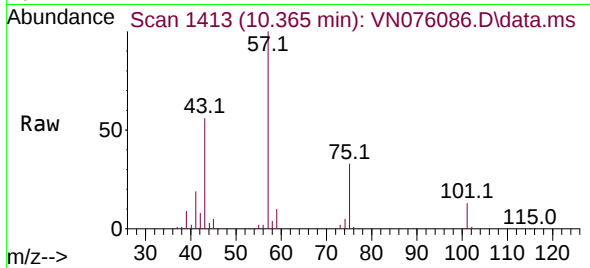




#54
 cis-1,3-Dichloropropene
 Concen: 12.199 ug/l
 RT: 10.365 min Scan# 1404
 Delta R.T. 0.053 min
 Lab File: VN076086.D
 Acq: 04 Jan 2023 17:06

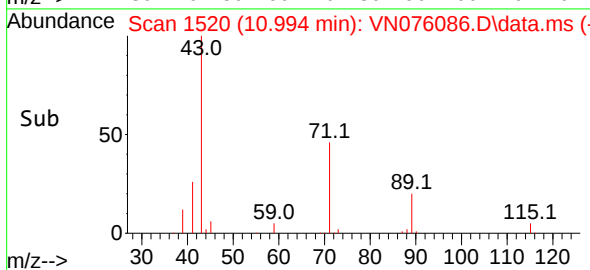
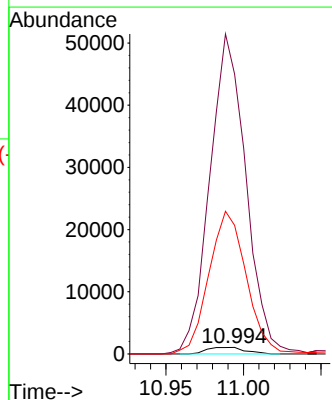
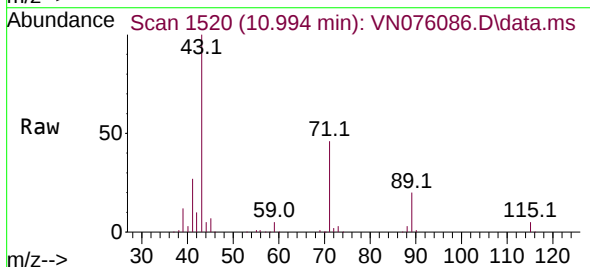
Instrument :
 MSVOA_N
 ClientSampleId :
 PB150013ZHE#07

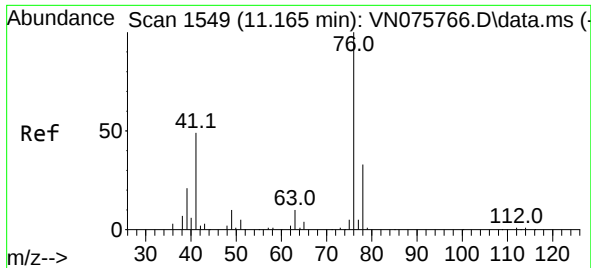
Tgt Ion: 75 Resp: 63003
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.8 38.8#
 39 28.3 33.4 50.2#



#56
 Ethyl methacrylate
 Concen: 0.391 ug/l
 RT: 10.994 min Scan# 1520
 Delta R.T. 0.118 min
 Lab File: VN076086.D
 Acq: 04 Jan 2023 17:06

Tgt Ion: 69 Resp: 1803
 Ion Ratio Lower Upper
 69 100
 41 4632.4 44.2 66.4#
 39 2137.2 26.4 39.6#

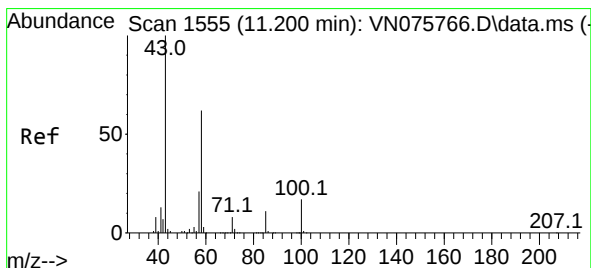
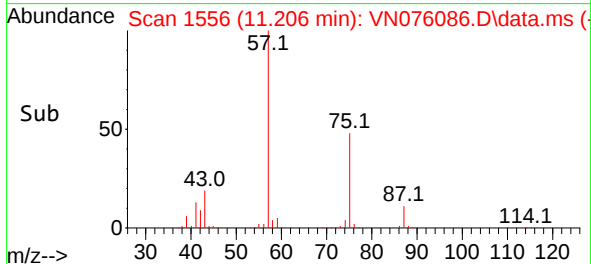
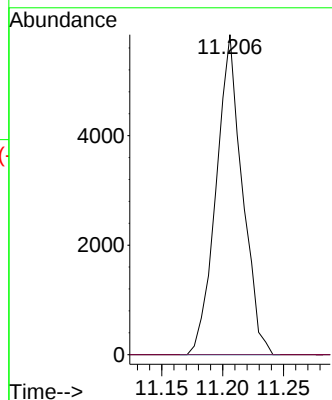
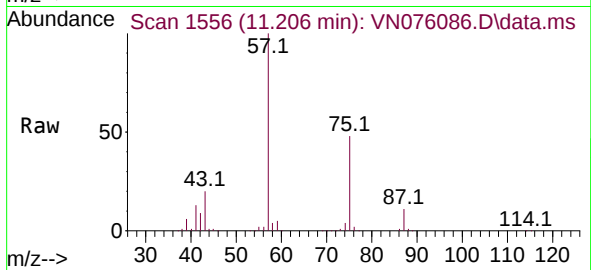




#57
1,3-Dichloropropane
Concen: 1.537 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN076086.D
Acq: 04 Jan 2023 17:06

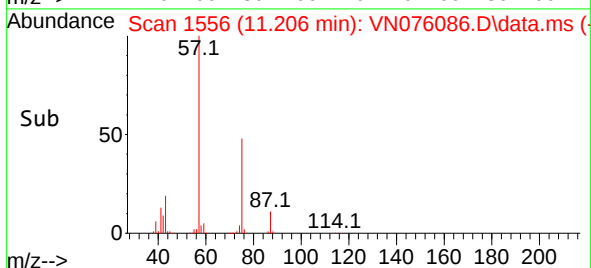
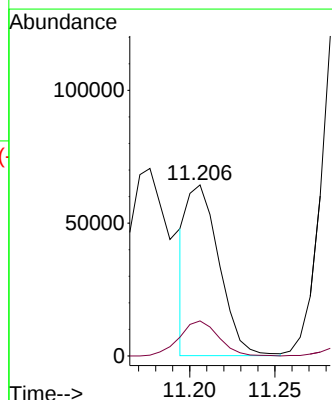
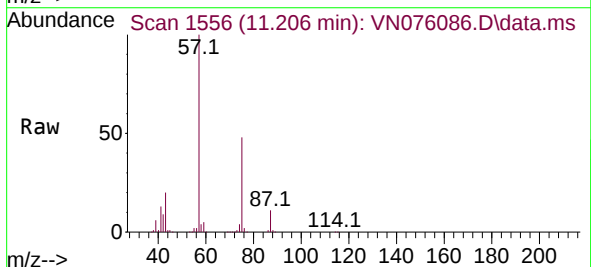
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#07

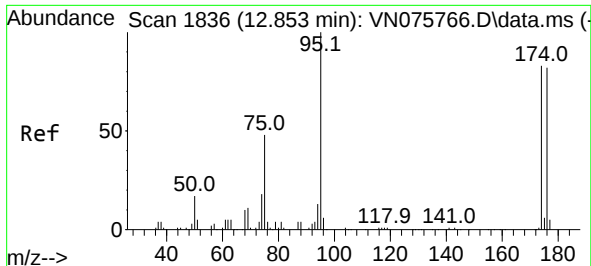
Tgt Ion: 76 Resp: 8749
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#



#59
2-Hexanone
Concen: 32.853 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN076086.D
Acq: 04 Jan 2023 17:06

Tgt Ion: 43 Resp: 84481
Ion Ratio Lower Upper
43 100
58 25.0 30.6 92.0#

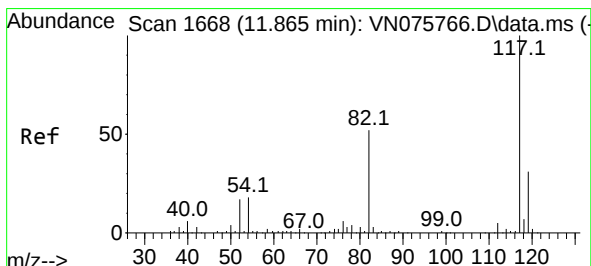
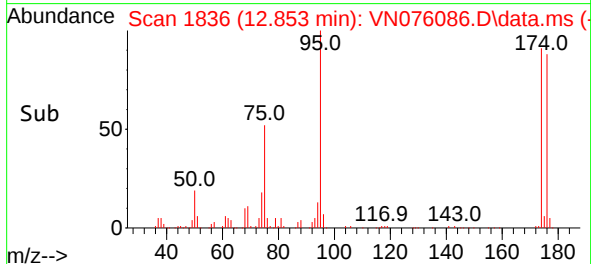
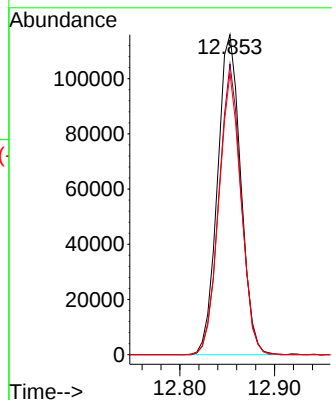
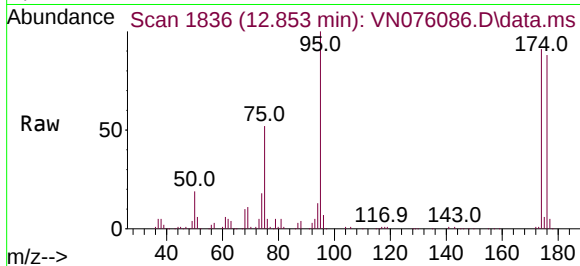




#62
4-Bromofluorobenzene
Concen: 48.104 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN076086.D
Acq: 04 Jan 2023 17:06

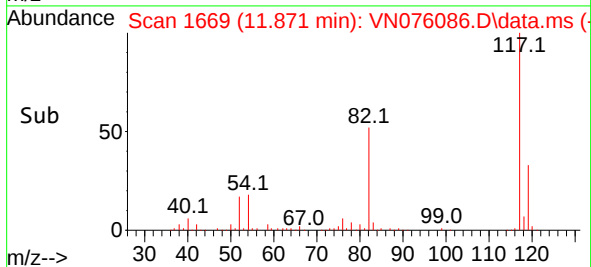
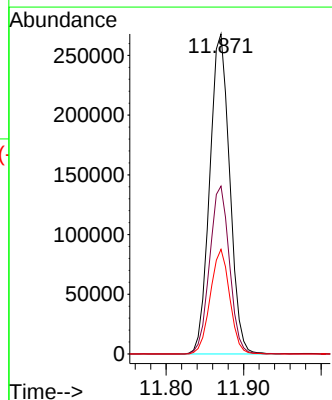
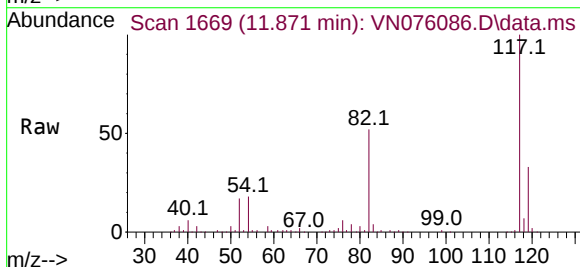
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#07

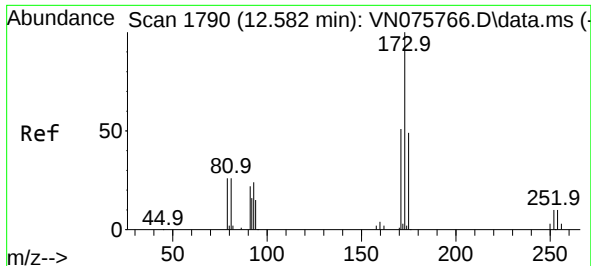
Tgt Ion: 95 Resp: 197330
Ion Ratio Lower Upper
95 100
174 87.2 0.0 171.6
176 84.2 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN076086.D
Acq: 04 Jan 2023 17:06

Tgt Ion: 117 Resp: 478851
Ion Ratio Lower Upper
117 100
82 52.4 41.3 61.9
119 32.7 24.6 37.0

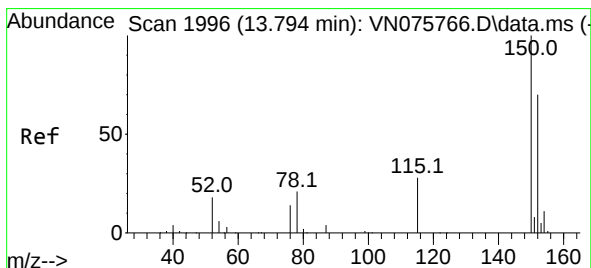
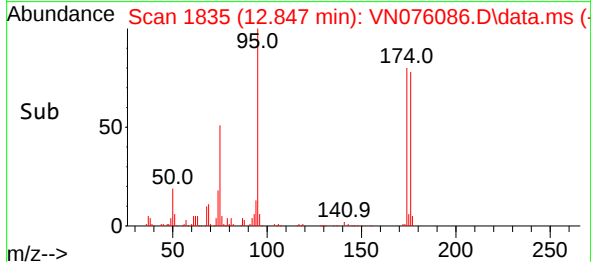
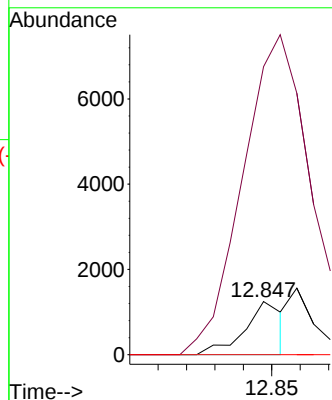
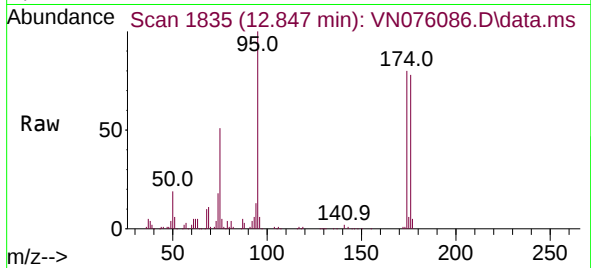




#71
Bromoform
Concen: 0.439 ug/l
RT: 12.847 min Scan# 1790
Delta R.T. 0.265 min
Lab File: VN076086.D
Acq: 04 Jan 2023 17:06

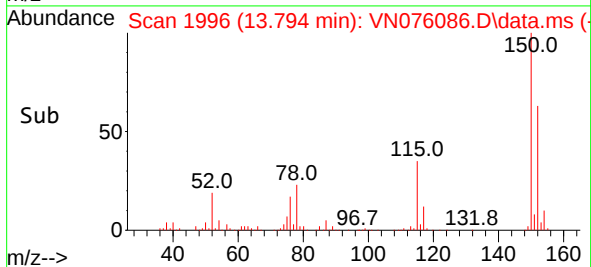
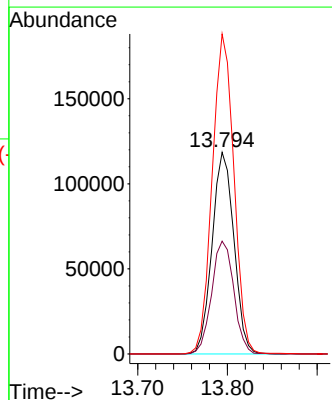
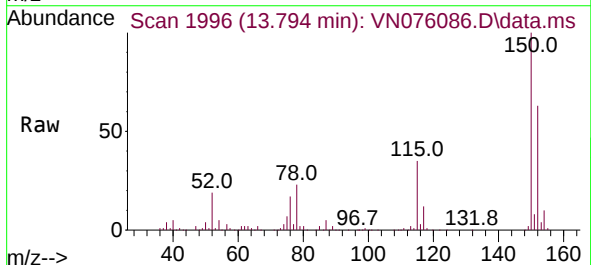
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#07

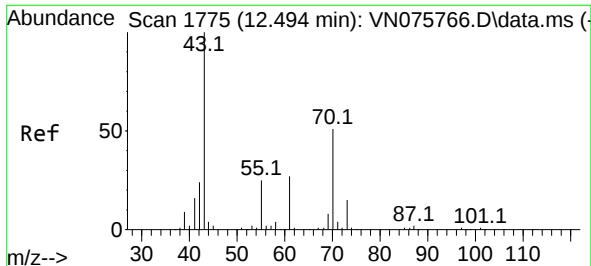
Tgt Ion:173 Resp: 1164
Ion Ratio Lower Upper
173 100
175 879.0 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN076086.D
Acq: 04 Jan 2023 17:06

Tgt Ion:152 Resp: 200252
Ion Ratio Lower Upper
152 100
115 56.7 29.1 87.4
150 157.6 0.0 347.0

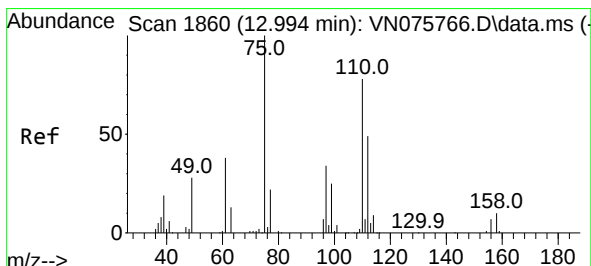
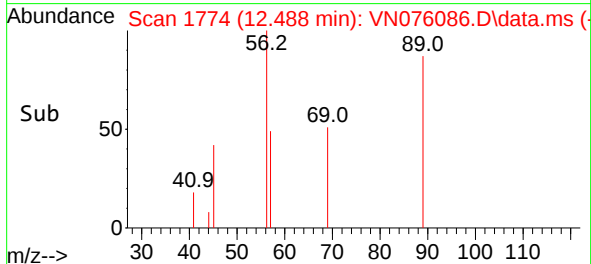
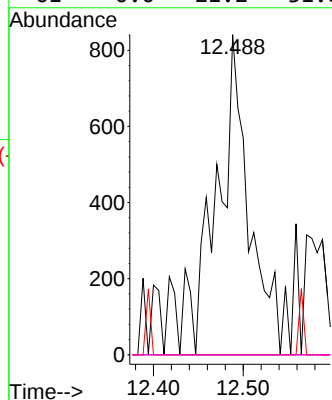
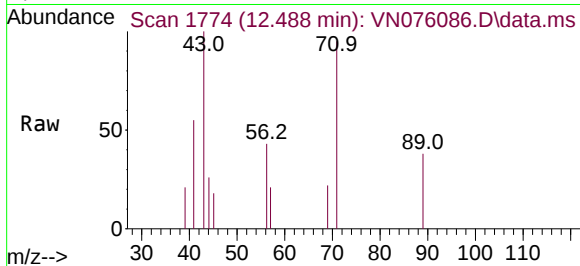




#74
N-amy1 acetate
Concen: 0.505 ug/l
RT: 12.488 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN076086.D
Acq: 04 Jan 2023 17:06

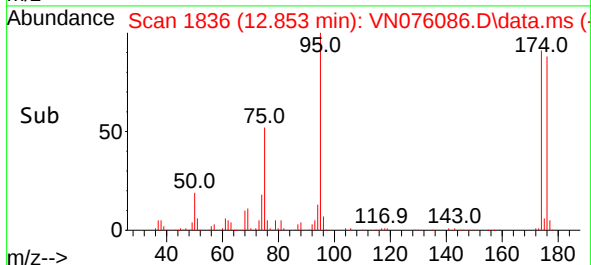
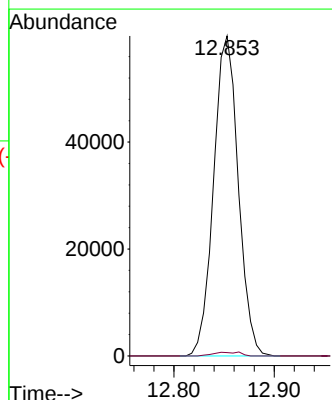
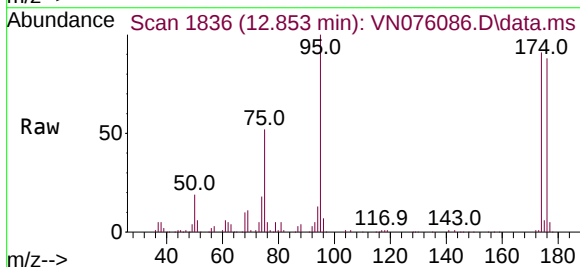
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#07

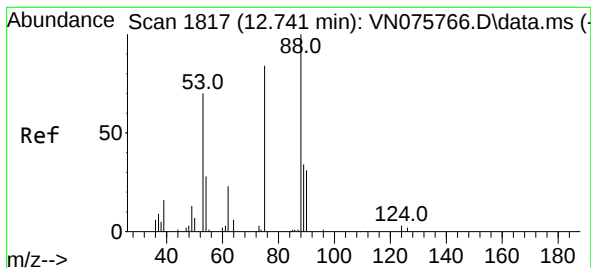
Tgt Ion: 43	Resp: 2143
Ion Ratio	Lower Upper
43 100	
70 0.0	41.4 62.0#
55 0.0	21.3 31.9#
61 0.0	21.2 31.8#



#76
1,2,3-Trichloropropane
Concen: 25.321 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076086.D
Acq: 04 Jan 2023 17:06

Tgt Ion: 75	Resp: 102212
Ion Ratio	Lower Upper
75 100	
77 1.3	82.6 247.8#

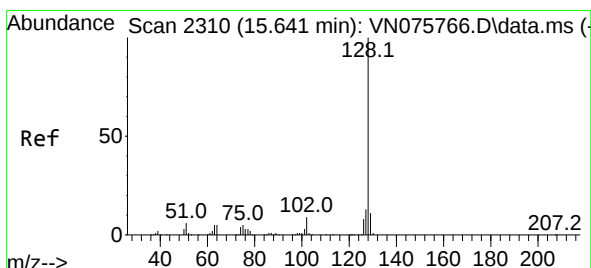
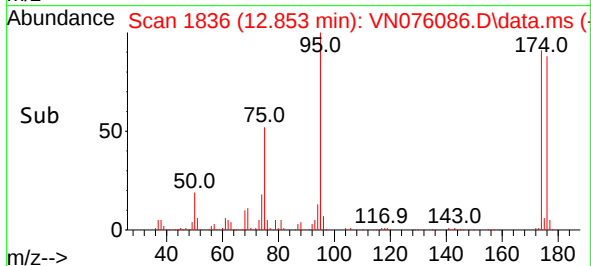
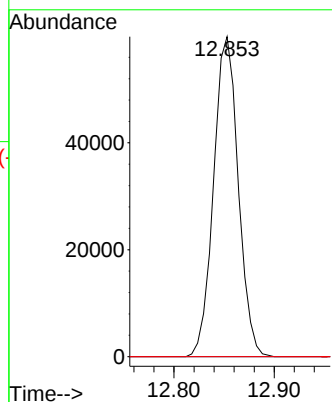
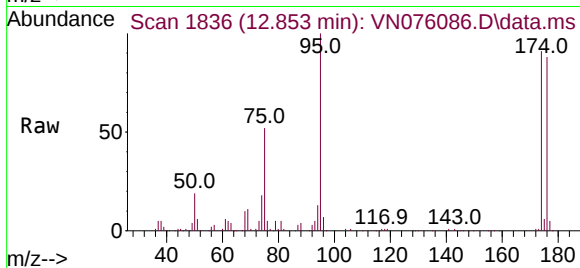




#81
trans-1,4-Dichloro-2-butene
Concen: 91.144 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076086.D
Acq: 04 Jan 2023 17:06

Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#07

Tgt Ion: 75 Resp: 102212
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#



#95
Naphthalene
Concen: 2.238 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. 0.000 min
Lab File: VN076086.D
Acq: 04 Jan 2023 17:06

Tgt Ion:128 Resp: 690
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.7 13.1#

