

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010923\
 Data File : VN076158.D
 Acq On : 09 Jan 2023 16:04
 Operator : JC\MD
 Sample : PB150106ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB150106ZHE#03

Quant Time: Jan 10 01:08:22 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

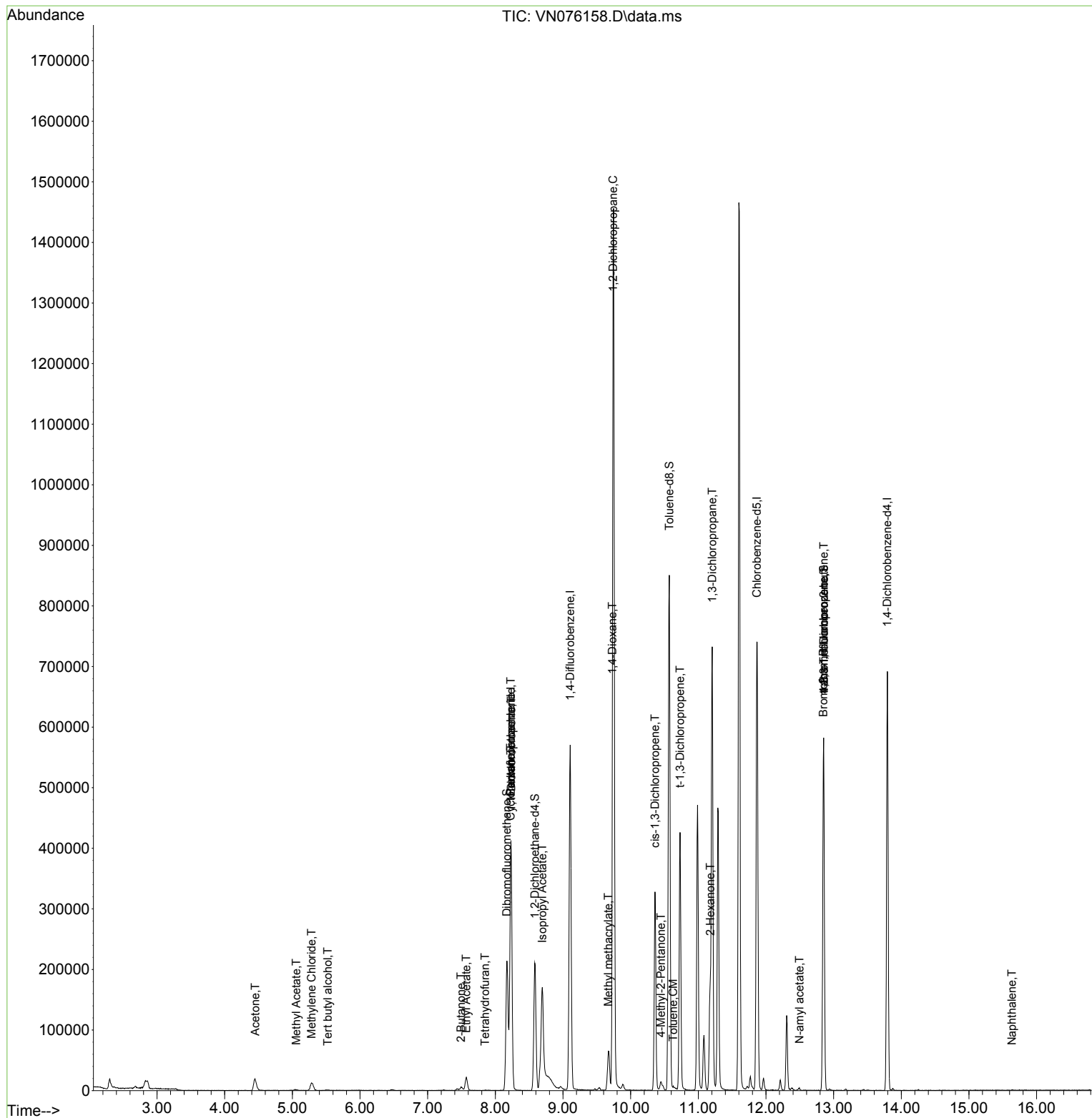
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	311738	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	511254	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	459554	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	189119	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	172531	50.873	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.740%			
35) Dibromofluoromethane	8.171	113	151344	47.801	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.600%			
50) Toluene-d8	10.571	98	600602	50.736	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.480%			
62) 4-Bromofluorobenzene	12.853	95	188376	48.045	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.100%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.524	59	600	1.250	ug/l #	72
16) Acetone	4.453	43	36569	31.280	ug/l #	83
18) Methyl Acetate	5.059	43	2977	0.861	ug/l #	50
20) Methylene Chloride	5.283	84	10967	2.904	ug/l	96
25) 2-Butanone	7.494	43	8652	5.285	ug/l	91
29) Tetrahydrofuran	7.847	42	343	0.334	ug/l #	25
31) Cyclohexane	8.224	56	6331	1.303	ug/l #	44
36) 1,1-Dichloropropene	8.235	75	23291	5.538	ug/l #	49
37) Ethyl Acetate	7.571	43	30787	9.113	ug/l	97
38) Carbon Tetrachloride	8.230	117	30586	6.498	ug/l #	17
43) Isopropyl Acetate	8.694	43	223484	40.102	ug/l #	76
45) 1,2-Dichloropropane	9.741	63	1981	0.627	ug/l #	43
48) Methyl methacrylate	9.671	41	3960	1.578	ug/l #	36
49) 1,4-Dioxane	9.729	88	76	1.232	ug/l #	30
51) 4-Methyl-2-Pentanone	10.447	43	13957	4.141	ug/l #	76
52) Toluene	10.629	92	1909	0.226	ug/l	89
53) t-1,3-Dichloropropene	10.729	75	902	0.201	ug/l #	71
54) cis-1,3-Dichloropropene	10.359	75	62480	12.657	ug/l #	64
57) 1,3-Dichloropropane	11.206	76	8104	1.489	ug/l #	42
59) 2-Hexanone	11.176	43	123662	50.314	ug/l #	20
71) Bromoform	12.847	173	1604	0.631	ug/l #	1
74) N-amyl acetate	12.494	43	1976	0.493	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	99095	25.994	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	99095	93.567	ug/l #	12
95) Naphthalene	15.635	128	1279	2.296	ug/l #	69

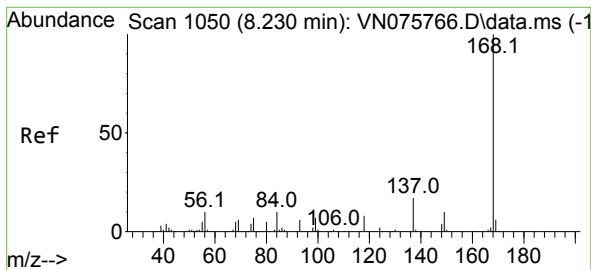
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010923\
Data File : VN076158.D
Acq On : 09 Jan 2023 16:04
Operator : JC\MD
Sample : PB150106ZHE#03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB150106ZHE#03

Quant Time: Jan 10 01:08:22 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076158.D

Acq: 09 Jan 2023 16:04

Instrument :

MSVOA_N

ClientSampleId :

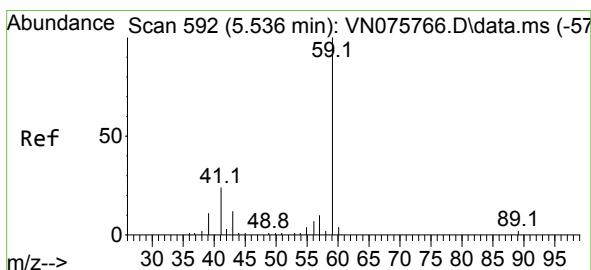
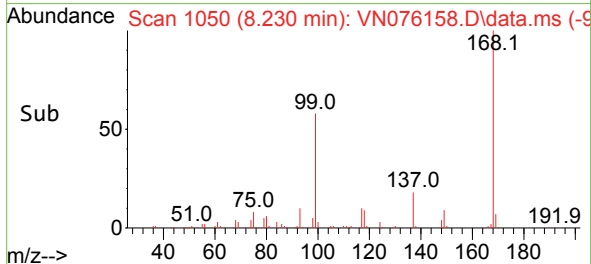
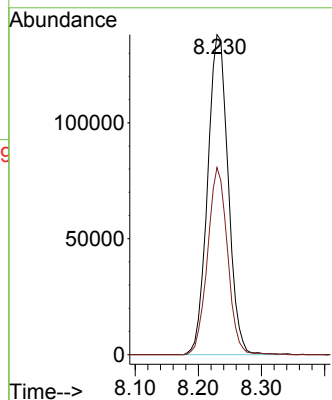
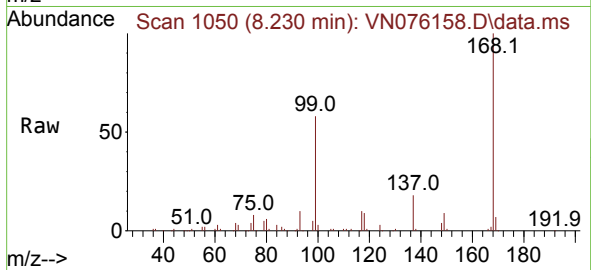
PB150106ZHE#03

Tgt Ion:168 Resp: 311738

Ion Ratio Lower Upper

168 100

99 58.5 44.2 66.4



#11

Tert butyl alcohol

Concen: 1.250 ug/l

RT: 5.524 min Scan# 590

Delta R.T. -0.012 min

Lab File: VN076158.D

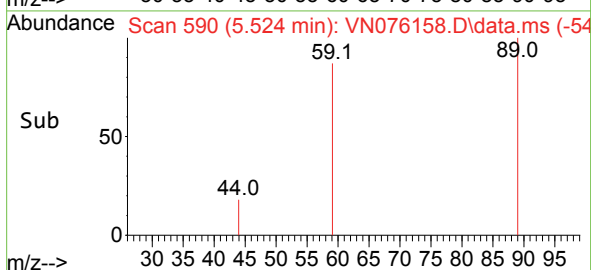
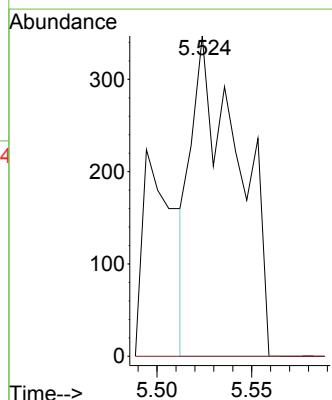
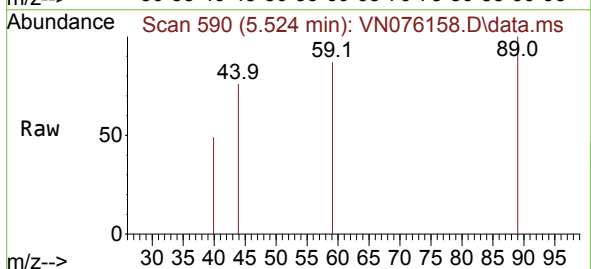
Acq: 09 Jan 2023 16:04

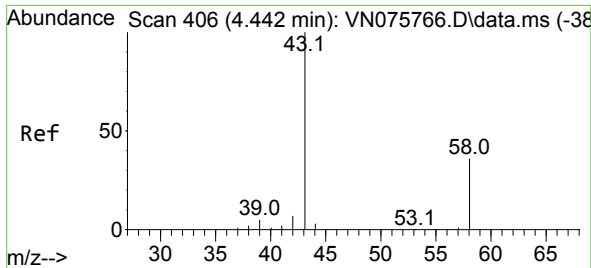
Tgt Ion: 59 Resp: 600

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#





#16

Acetone

Concen: 31.280 ug/l

RT: 4.453 min Scan# 406

Delta R.T. 0.012 min

Lab File: VN076158.D

Acq: 09 Jan 2023 16:04

Instrument :

MSVOA_N

ClientSampleId :

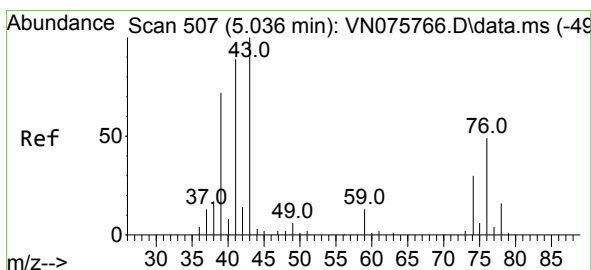
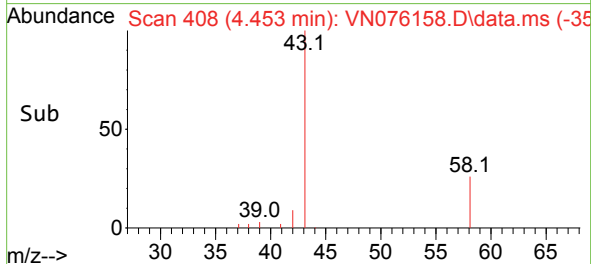
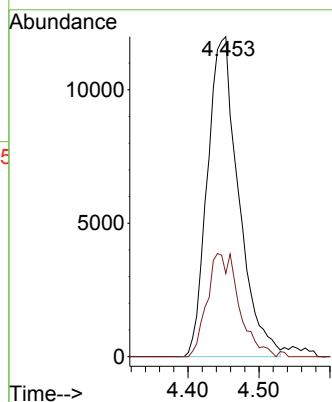
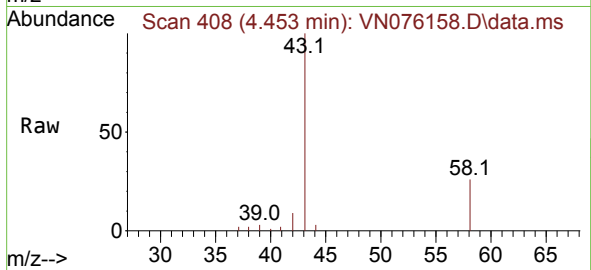
PB150106ZHE#03

Tgt Ion: 43 Resp: 36569

Ion Ratio Lower Upper

43 100

58 26.0 28.6 43.0#



#18

Methyl Acetate

Concen: 0.861 ug/l

RT: 5.059 min Scan# 511

Delta R.T. 0.023 min

Lab File: VN076158.D

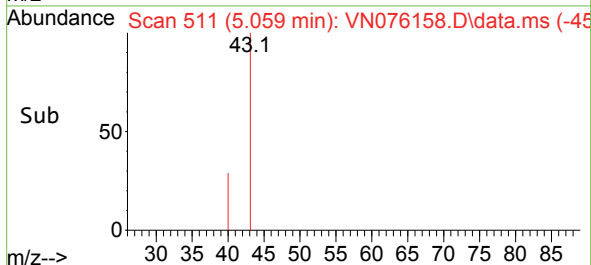
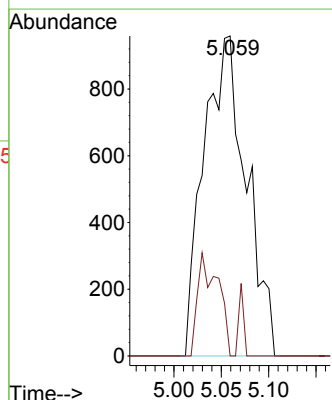
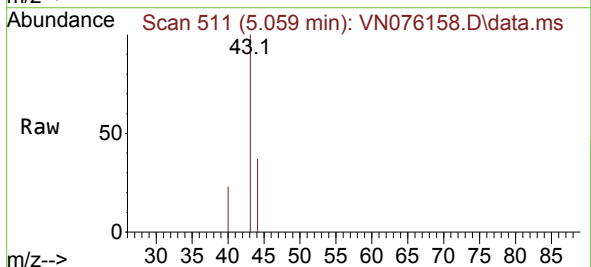
Acq: 09 Jan 2023 16:04

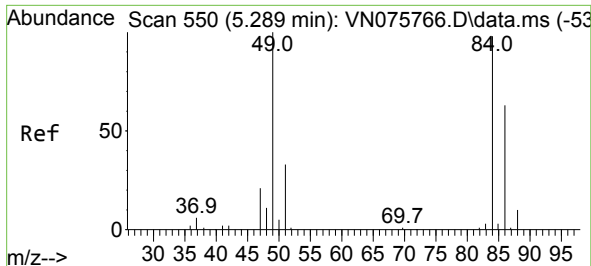
Tgt Ion: 43 Resp: 2977

Ion Ratio Lower Upper

43 100

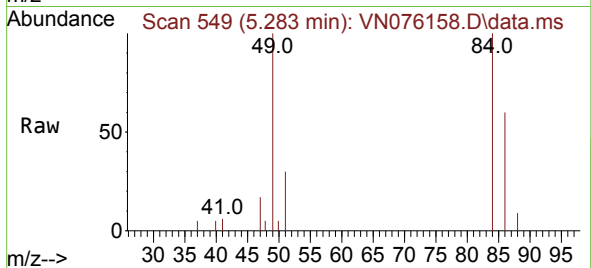
74 2.6 23.6 35.4#



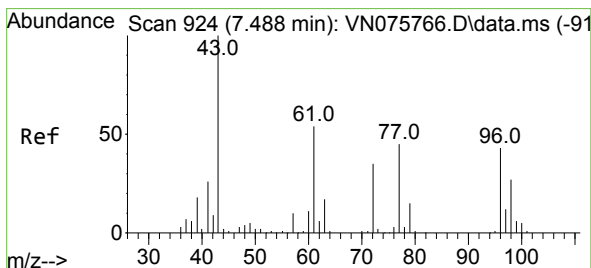
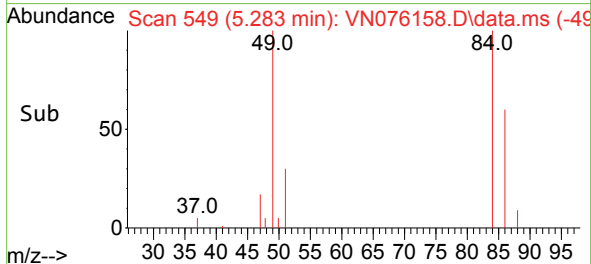
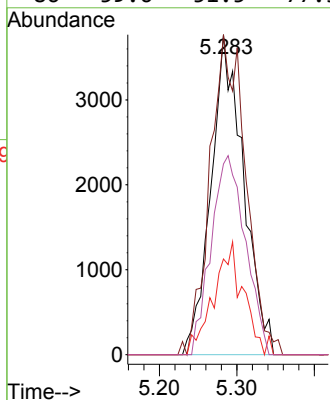


#20
Methylene Chloride
Concen: 2.904 ug/l
RT: 5.283 min Scan# 54
Delta R.T. -0.006 min
Lab File: VN076158.D
Acq: 09 Jan 2023 16:04

Instrument :
MSVOA_N
ClientSampleId :
PB150106ZHE#03

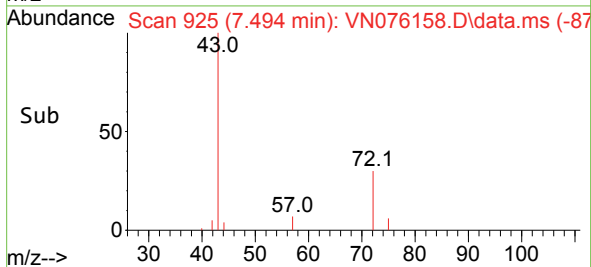
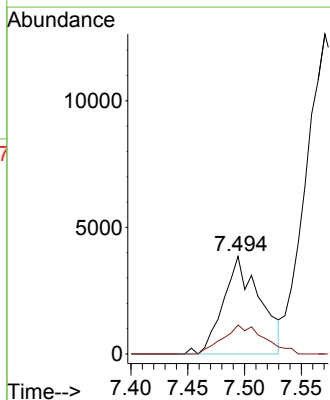
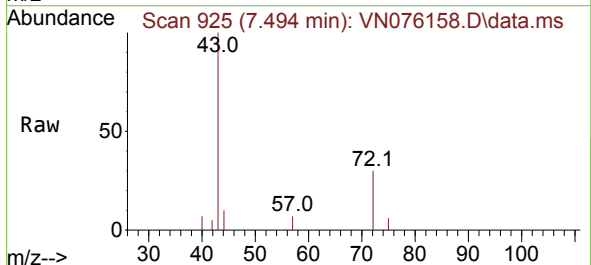


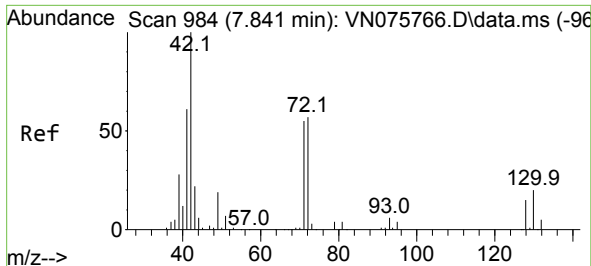
Tgt Ion: 84	Resp: 10967
Ion Ratio	Lower Upper
84 100	
49 100.0	81.8 122.6
51 29.9	26.7 40.1
86 59.6	51.5 77.3



#25
2-Butanone
Concen: 5.285 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.006 min
Lab File: VN076158.D
Acq: 09 Jan 2023 16:04

Tgt Ion: 43	Resp: 8652		
Ion Ratio	Lower	Upper	
43 100			
72 29.7	28.0	42.0	





#29

Tetrahydrofuran

Concen: 0.334 ug/l

RT: 7.847 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN076158.D

Acq: 09 Jan 2023 16:04

Instrument :

MSVOA_N

ClientSampleId :

PB150106ZHE#03

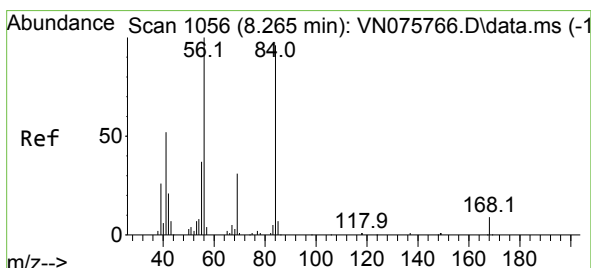
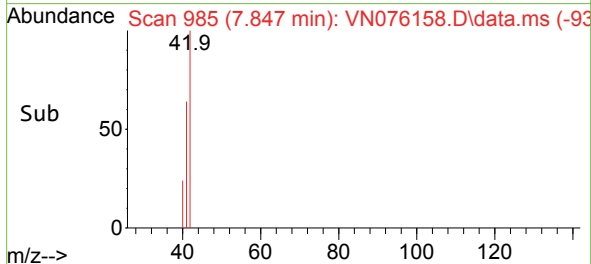
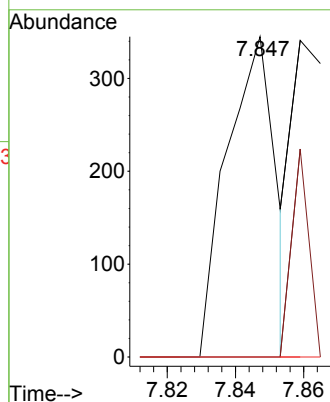
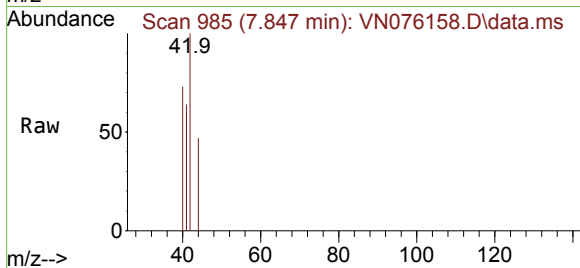
Tgt Ion: 42 Resp: 343

Ion Ratio Lower Upper

42 100

72 0.0 44.5 66.7#

71 0.0 41.0 61.6#



#31

Cyclohexane

Concen: 1.303 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.041 min

Lab File: VN076158.D

Acq: 09 Jan 2023 16:04

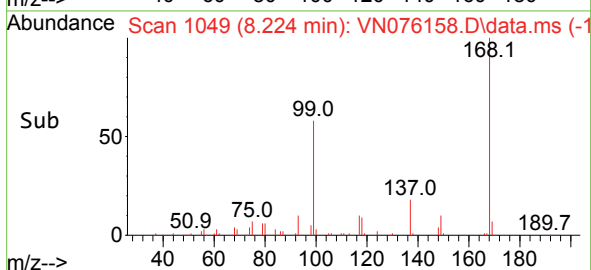
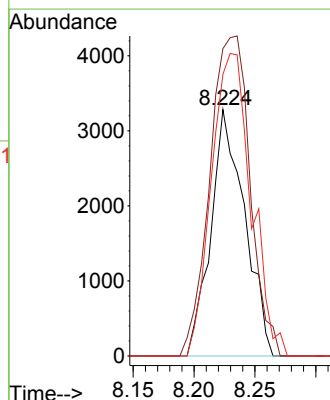
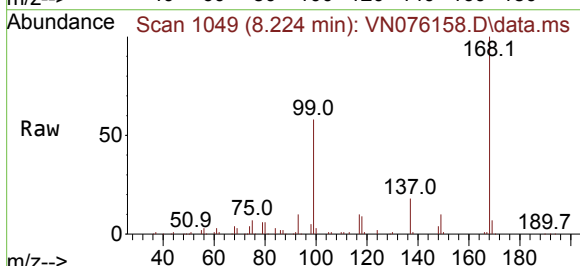
Tgt Ion: 56 Resp: 6331

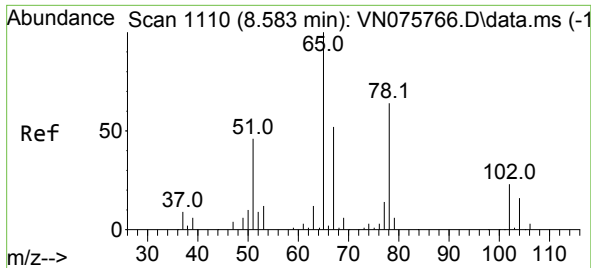
Ion Ratio Lower Upper

56 100

69 124.7 24.7 37.1#

84 114.3 76.5 114.7

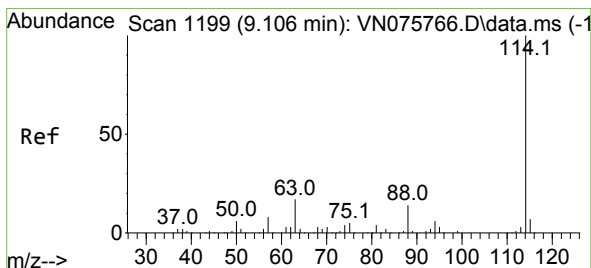
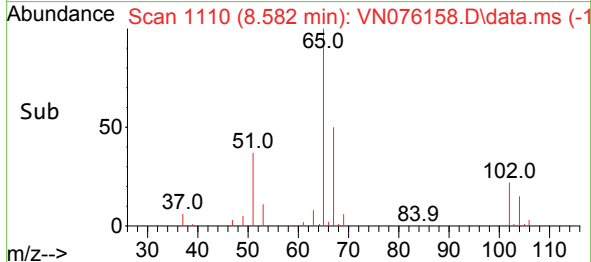
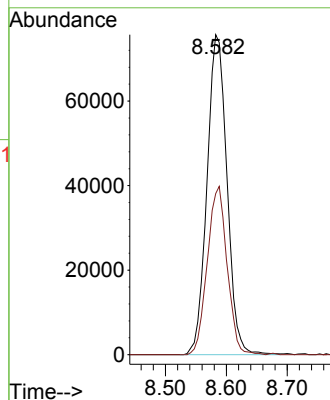
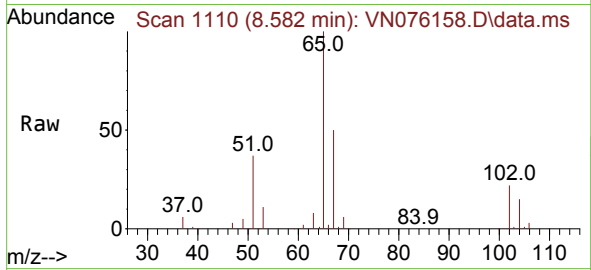




#33
1,2-Dichloroethane-d4
Concen: 50.873 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN076158.D
Acq: 09 Jan 2023 16:04

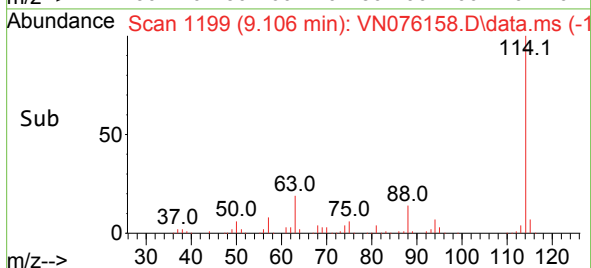
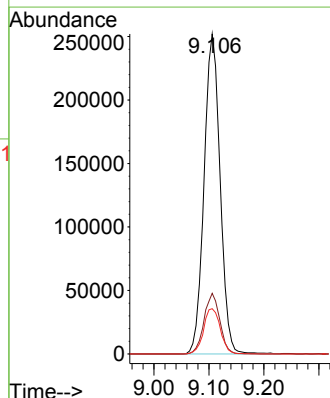
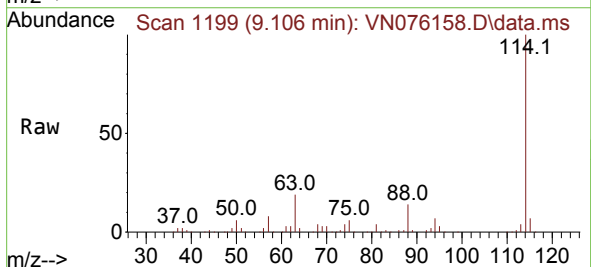
Instrument :
MSVOA_N
ClientSampleId :
PB150106ZHE#03

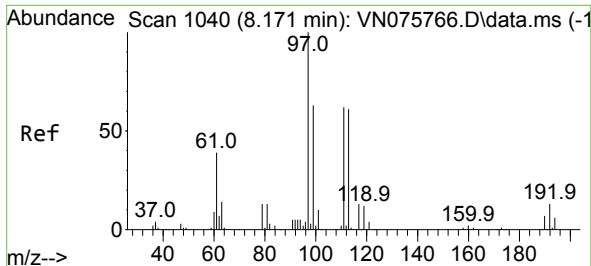
Tgt Ion: 65 Resp: 172531
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN076158.D
Acq: 09 Jan 2023 16:04

Tgt Ion: 114 Resp: 511254
Ion Ratio Lower Upper
114 100
63 19.0 0.0 34.4
88 14.1 0.0 28.8





#35

Dibromofluoromethane

Concen: 47.801 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN076158.D

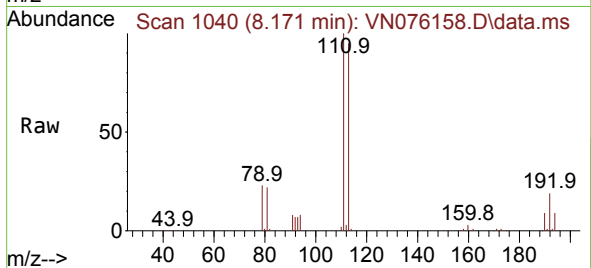
Acq: 09 Jan 2023 16:04

Instrument :

MSVOA_N

ClientSampleId :

PB150106ZHE#03



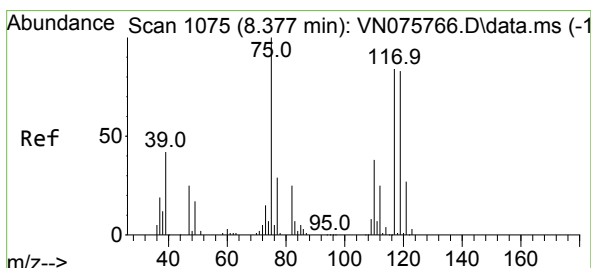
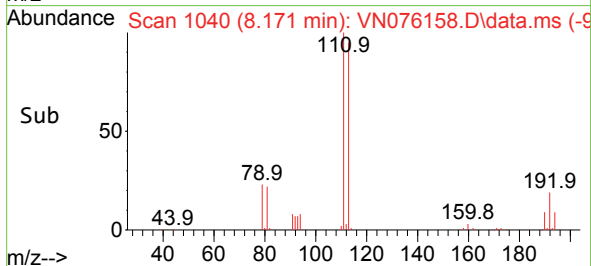
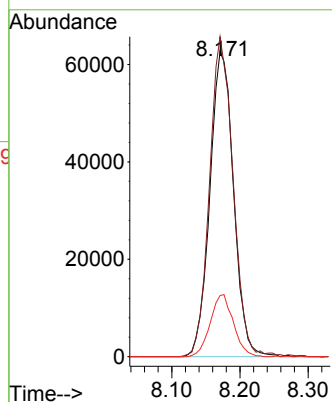
Tgt Ion:113 Resp: 151344

Ion Ratio Lower Upper

113 100

111 104.2 83.4 125.2

192 19.9 16.1 24.1



#36

1,1-Dichloropropene

Concen: 5.538 ug/l

RT: 8.235 min Scan# 1051

Delta R.T. -0.141 min

Lab File: VN076158.D

Acq: 09 Jan 2023 16:04

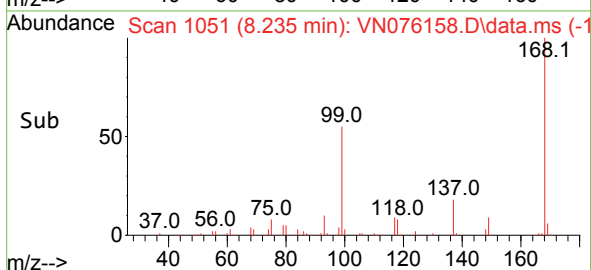
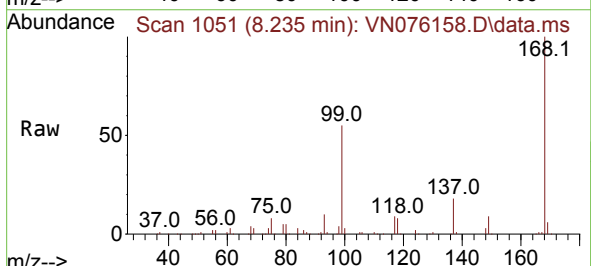
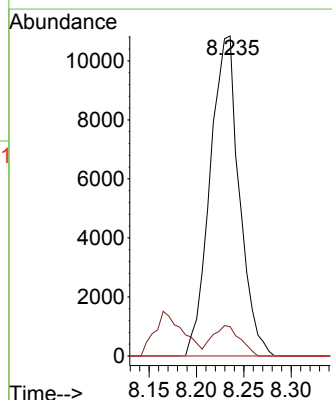
Tgt Ion: 75 Resp: 23291

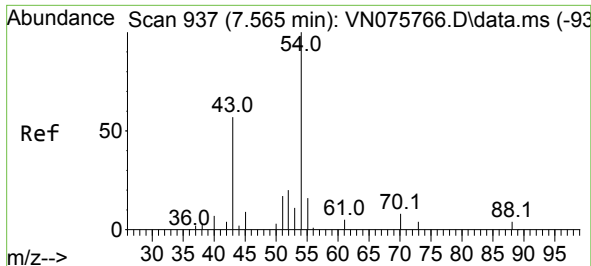
Ion Ratio Lower Upper

75 100

110 8.9 18.8 56.4#

77 0.0 24.1 36.1#

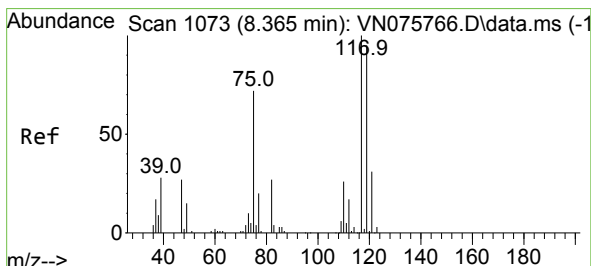
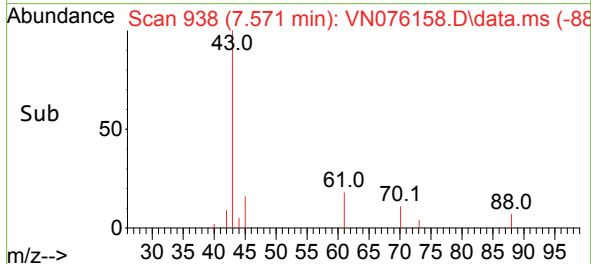
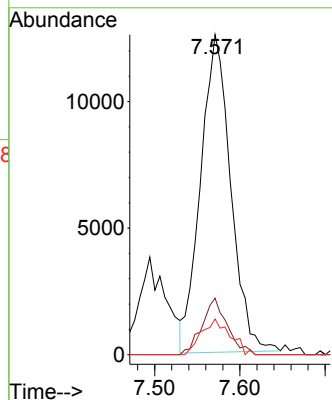
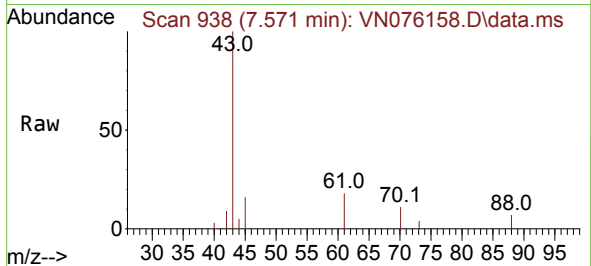




#37
Ethyl Acetate
Concen: 9.113 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076158.D
Acq: 09 Jan 2023 16:04

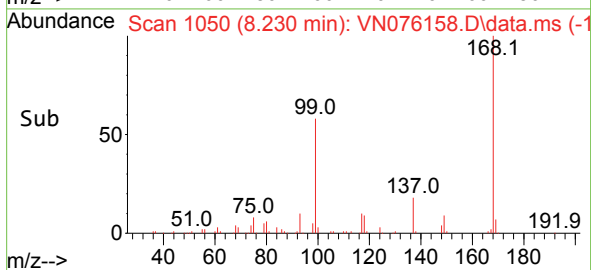
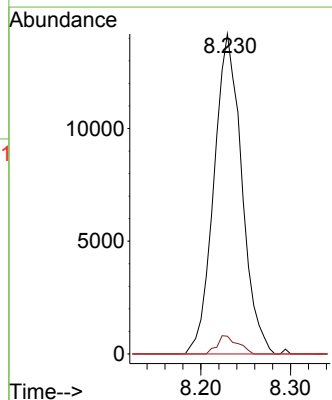
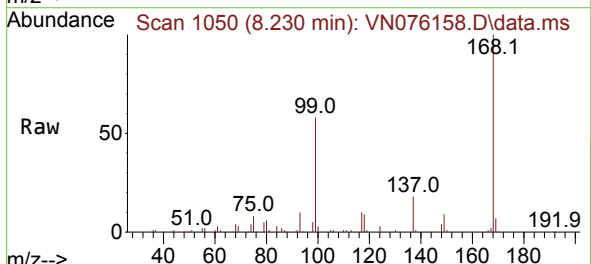
Instrument :
MSVOA_N
ClientSampleId :
PB150106ZHE#03

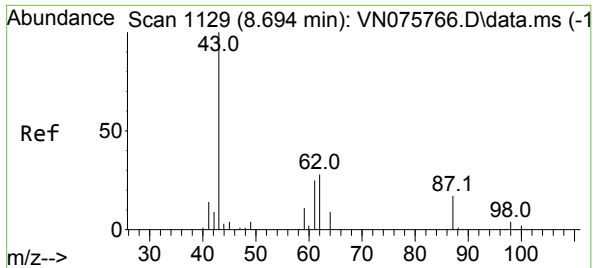
Tgt Ion: 43 Resp: 30787
Ion Ratio Lower Upper
43 100
61 14.9 13.0 19.4
70 10.7 9.4 14.0



#38
Carbon Tetrachloride
Concen: 6.498 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN076158.D
Acq: 09 Jan 2023 16:04

Tgt Ion: 117 Resp: 30586
Ion Ratio Lower Upper
117 100
119 5.5 76.1 114.1#
121 0.0 24.5 36.7#

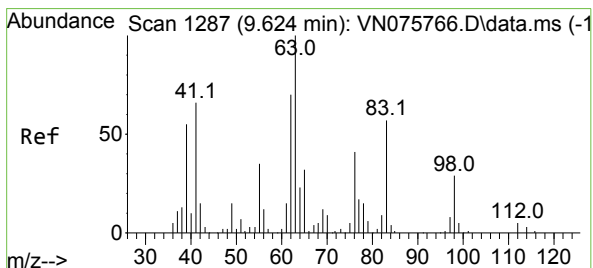
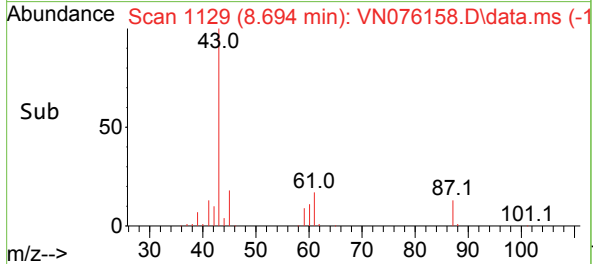
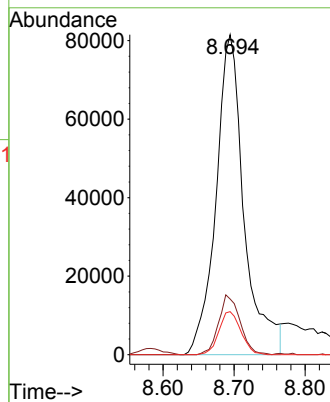
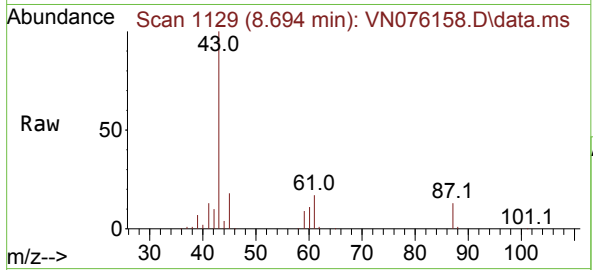




#43
Isopropyl Acetate
Concen: 40.102 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VN076158.D
Acq: 09 Jan 2023 16:04

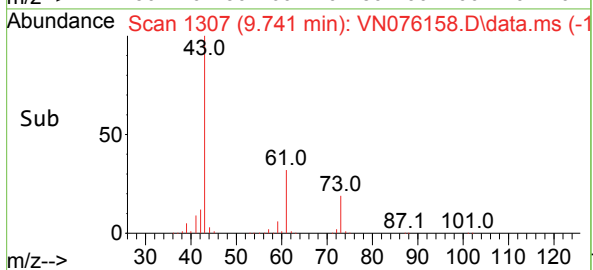
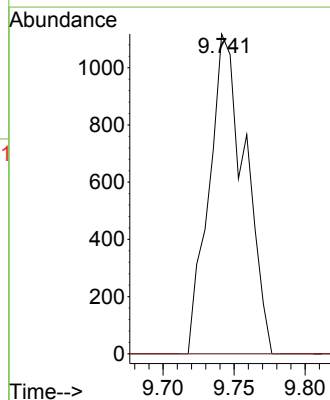
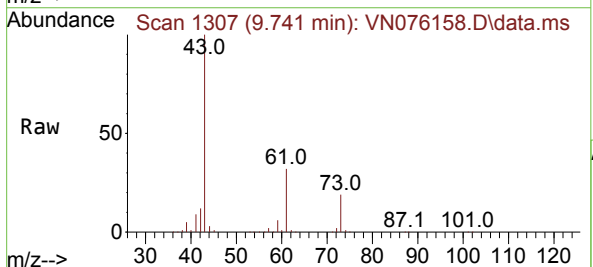
Instrument :
MSVOA_N
ClientSampleId :
PB150106ZHE#03

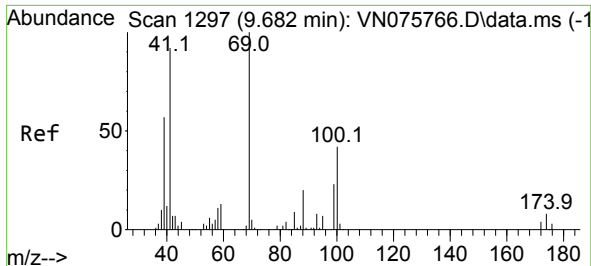
Tgt Ion: 43 Resp: 223484
Ion Ratio Lower Upper
43 100
61 14.3 24.2 36.4#
87 10.5 13.3 19.9#



#45
1,2-Dichloropropane
Concen: 0.627 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.118 min
Lab File: VN076158.D
Acq: 09 Jan 2023 16:04

Tgt Ion: 63 Resp: 1981
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#

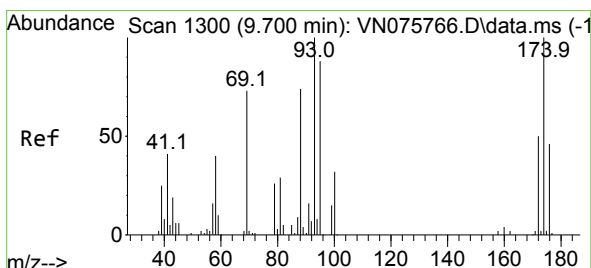
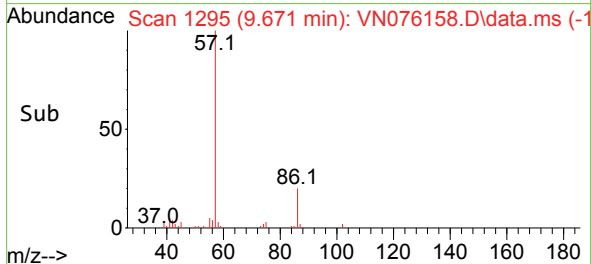
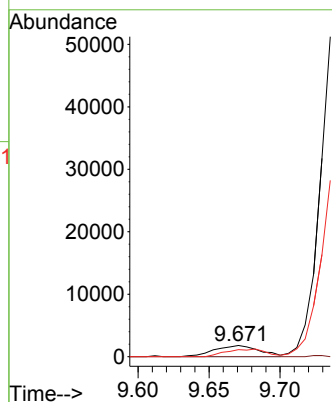
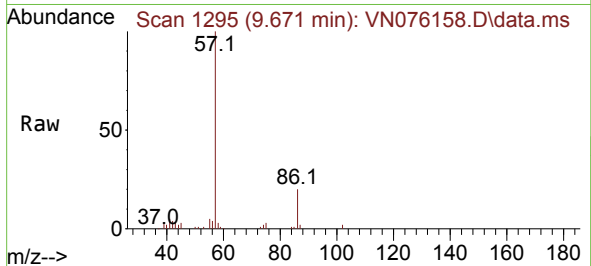




#48
Methyl methacrylate
Concen: 1.578 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN076158.D
Acq: 09 Jan 2023 16:04

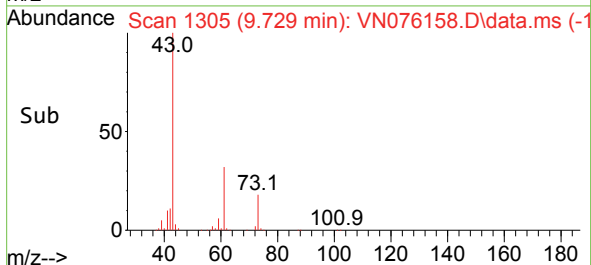
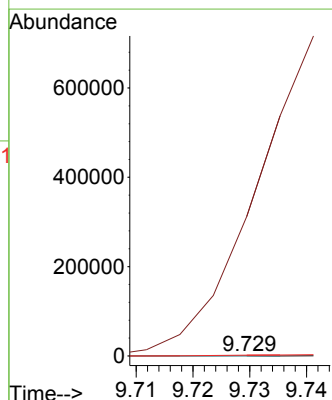
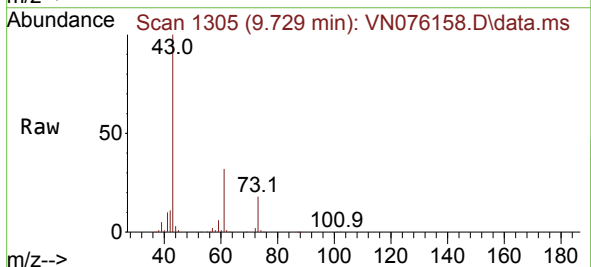
Instrument :
MSVOA_N
ClientSampleId :
PB150106ZHE#03

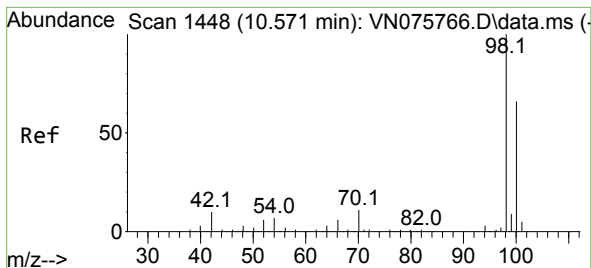
Tgt Ion: 41 Resp: 3960
Ion Ratio Lower Upper
41 100
69 0.0 81.9 122.9#
39 60.0 51.6 77.4



#49
1,4-Dioxane
Concen: 1.232 ug/l
RT: 9.729 min Scan# 1305
Delta R.T. 0.029 min
Lab File: VN076158.D
Acq: 09 Jan 2023 16:04

Tgt Ion: 88 Resp: 76
Ion Ratio Lower Upper
88 100
43 0.0 17.1 25.7#
58 0.0 47.8 71.8#

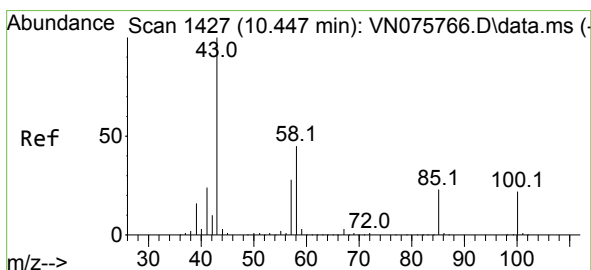
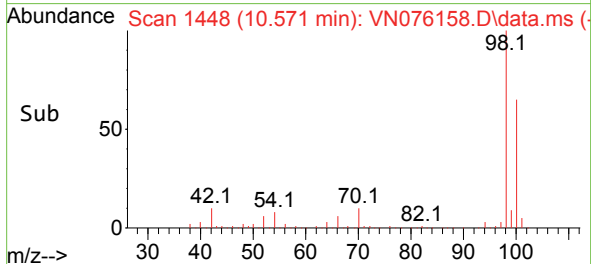
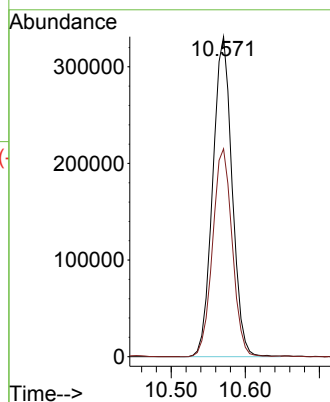
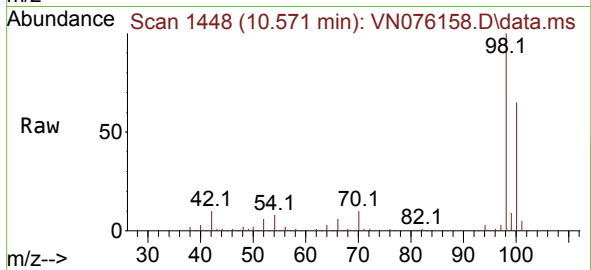




#50
Toluene-d8
Concen: 50.736 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076158.D
Acq: 09 Jan 2023 16:04

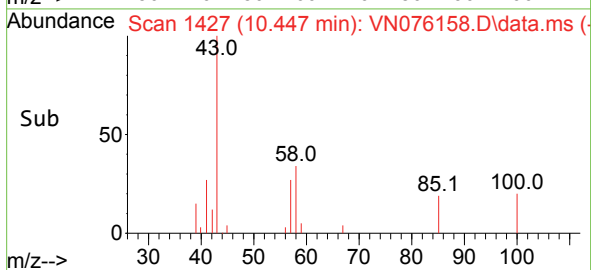
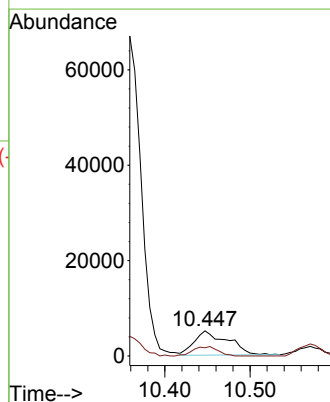
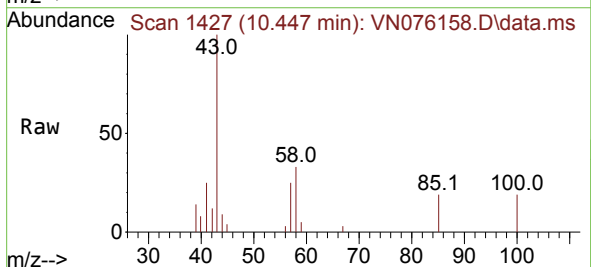
Instrument :
MSVOA_N
ClientSampleId :
PB150106ZHE#03

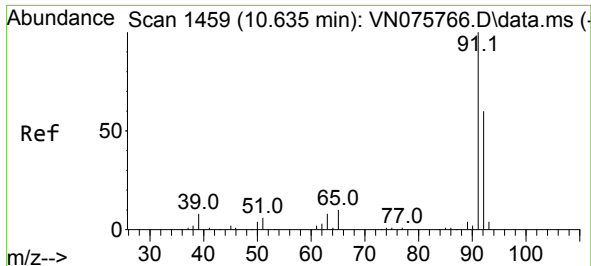
Tgt Ion: 98 Resp: 600602
Ion Ratio Lower Upper
98 100
100 65.8 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 4.141 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VN076158.D
Acq: 09 Jan 2023 16:04

Tgt Ion: 43 Resp: 13957
Ion Ratio Lower Upper
43 100
58 28.6 35.5 53.3#

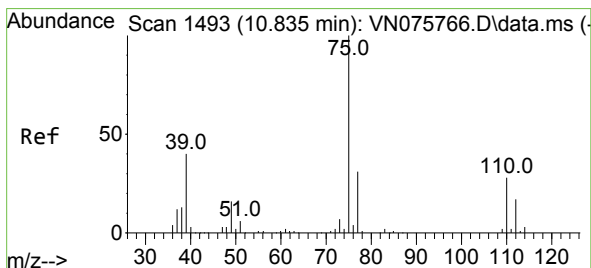
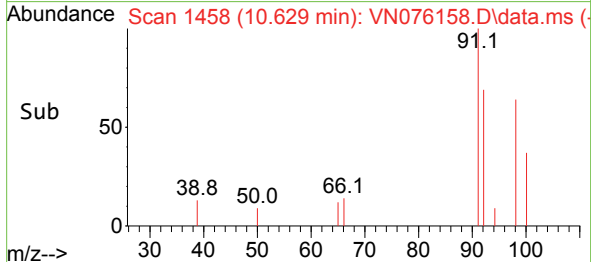
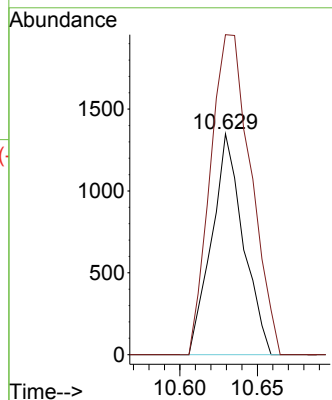
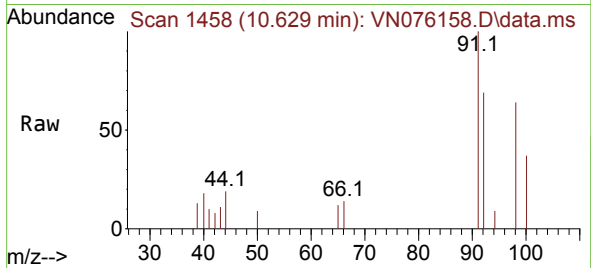




#52
Toluene
Concen: 0.226 ug/l
RT: 10.629 min Scan# 1458
Delta R.T. -0.006 min
Lab File: VN076158.D
Acq: 09 Jan 2023 16:04

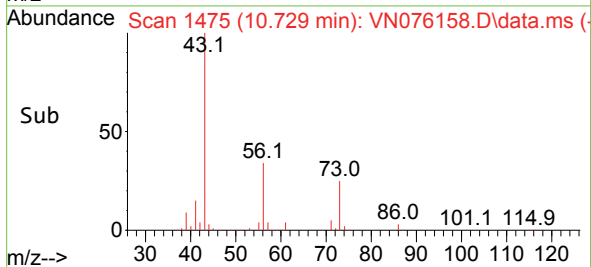
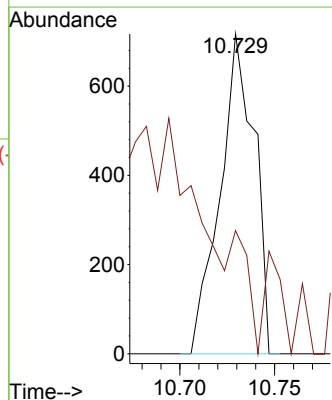
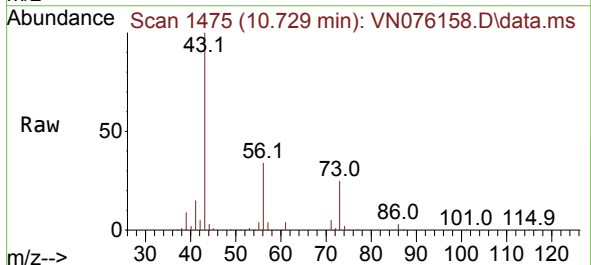
Instrument :
MSVOA_N
ClientSampleId :
PB150106ZHE#03

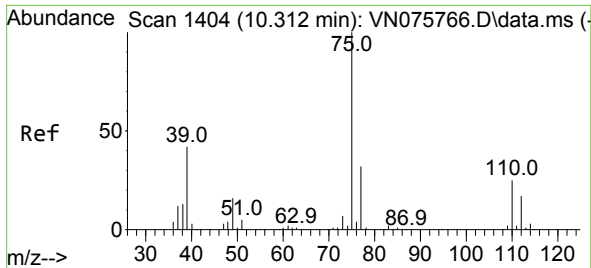
Tgt Ion: 92 Resp: 1909
Ion Ratio Lower Upper
92 100
91 186.1 137.3 205.9



#53
t-1,3-Dichloropropene
Concen: 0.201 ug/l
RT: 10.729 min Scan# 1475
Delta R.T. -0.106 min
Lab File: VN076158.D
Acq: 09 Jan 2023 16:04

Tgt Ion: 75 Resp: 902
Ion Ratio Lower Upper
75 100
77 15.3 24.9 37.3#

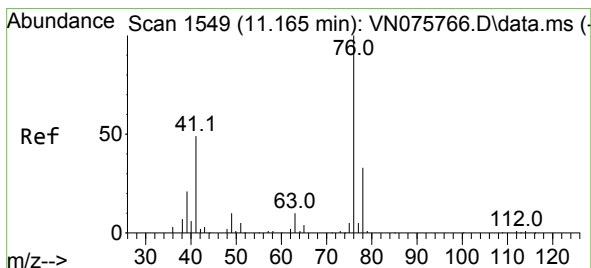
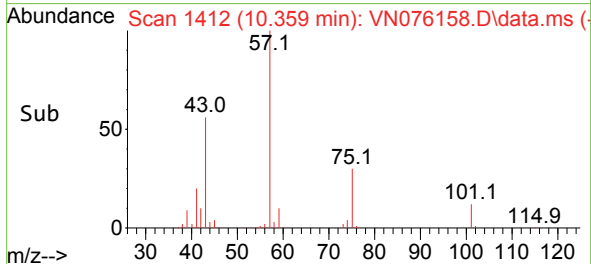
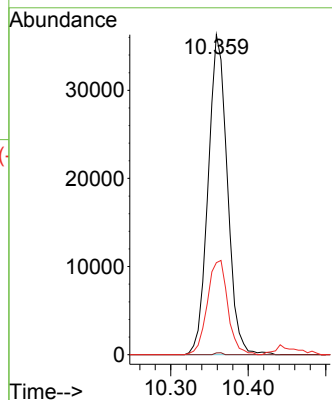
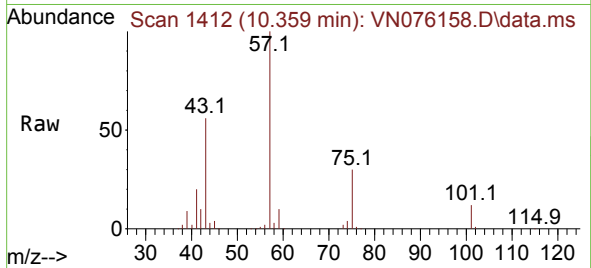




#54
 cis-1,3-Dichloropropene
 Concen: 12.657 ug/l
 RT: 10.359 min Scan# 1404
 Delta R.T. 0.047 min
 Lab File: VN076158.D
 Acq: 09 Jan 2023 16:04

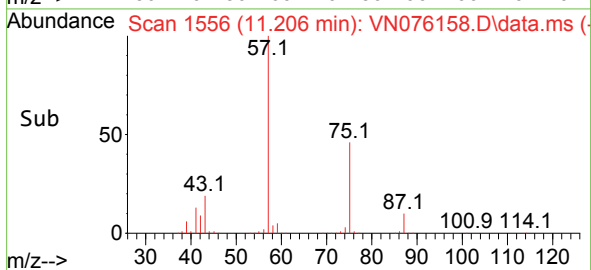
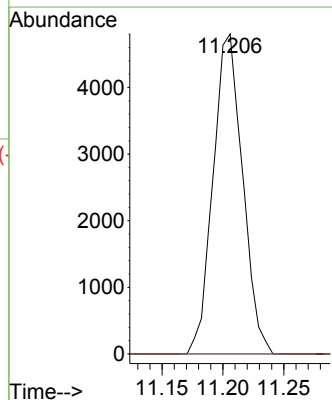
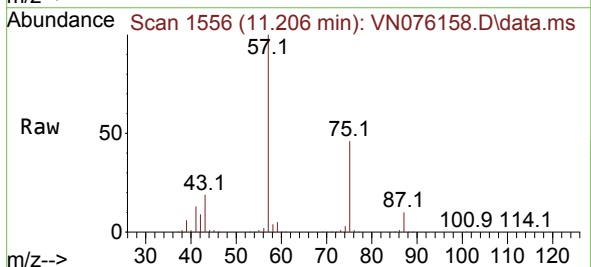
Instrument :
 MSVOA_N
 ClientSampleId :
 PB150106ZHE#03

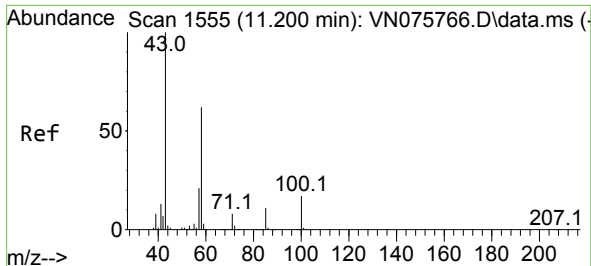
Tgt Ion: 75 Resp: 62480
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.8 38.8#
 39 28.8 33.4 50.2#



#57
 1,3-Dichloropropane
 Concen: 1.489 ug/l
 RT: 11.206 min Scan# 1556
 Delta R.T. 0.041 min
 Lab File: VN076158.D
 Acq: 09 Jan 2023 16:04

Tgt Ion: 76 Resp: 8104
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

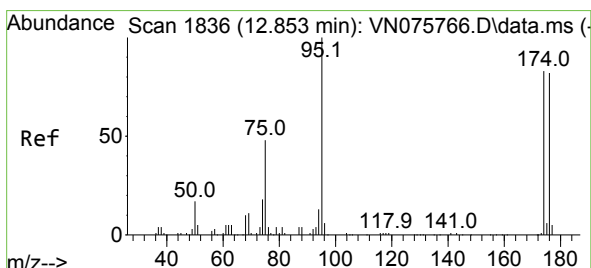
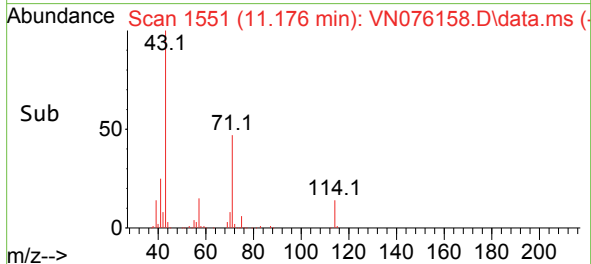
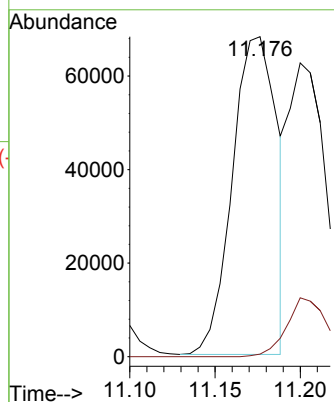
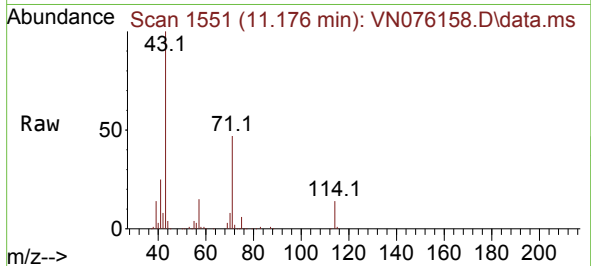




#59
2-Hexanone
Concen: 50.314 ug/l
RT: 11.176 min Scan# 1151
Delta R.T. -0.024 min
Lab File: VN076158.D
Acq: 09 Jan 2023 16:04

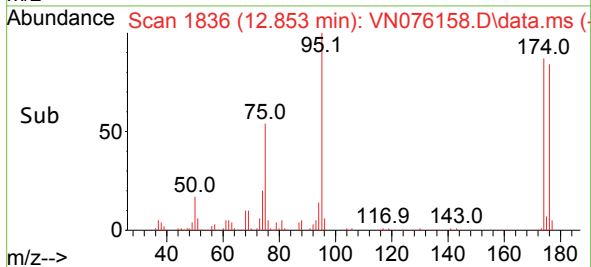
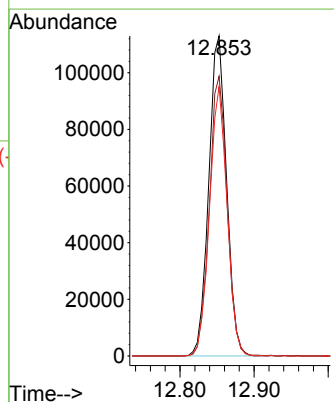
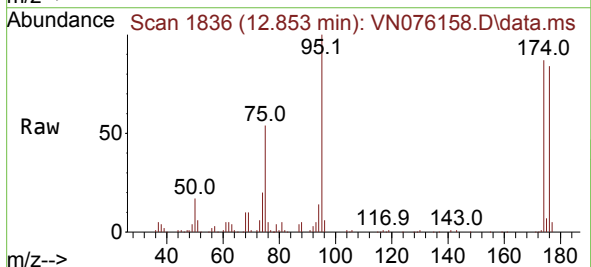
Instrument :
MSVOA_N
ClientSampleId :
PB150106ZHE#03

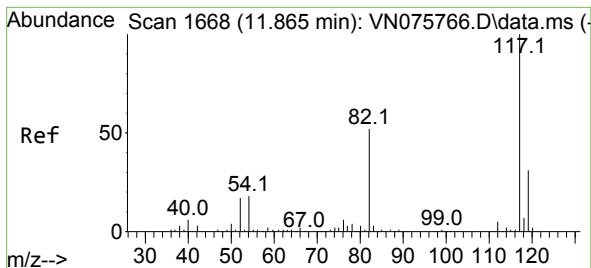
Tgt Ion: 43 Resp: 123662
Ion Ratio Lower Upper
43 100
58 0.0 30.6 92.0#



#62
4-Bromofluorobenzene
Concen: 48.045 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN076158.D
Acq: 09 Jan 2023 16:04

Tgt Ion: 95 Resp: 188376
Ion Ratio Lower Upper
95 100
174 87.2 0.0 171.6
176 82.9 0.0 169.2

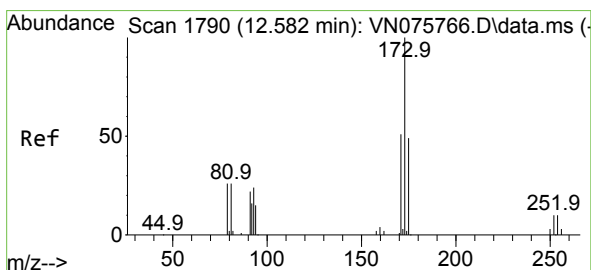
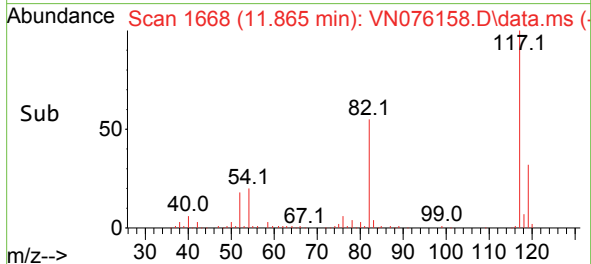
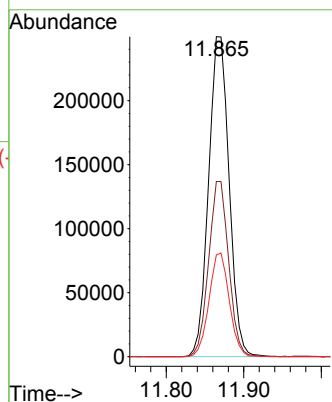
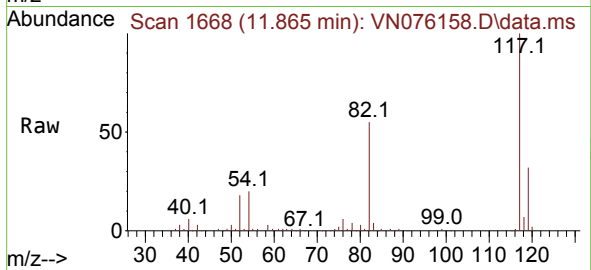




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN076158.D
Acq: 09 Jan 2023 16:04

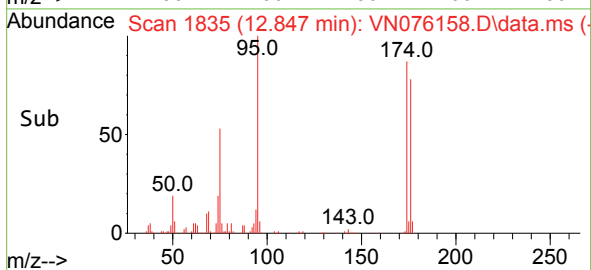
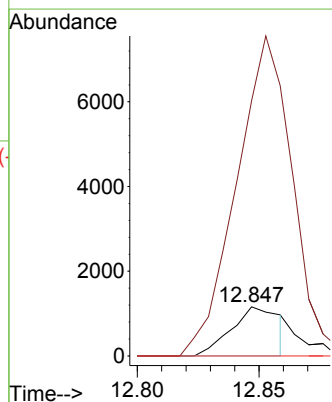
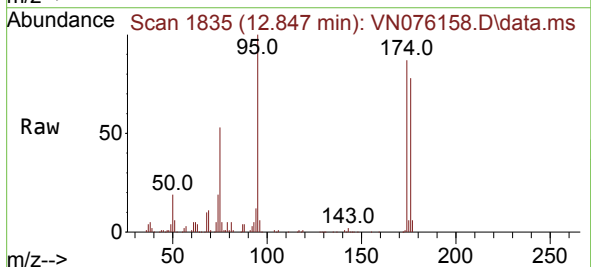
Instrument :
MSVOA_N
ClientSampleId :
PB150106ZHE#03

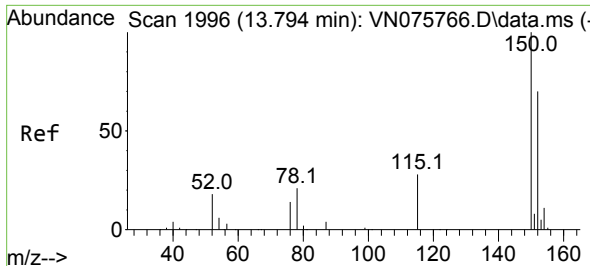
Tgt Ion:117 Resp: 459554
Ion Ratio Lower Upper
117 100
82 54.8 41.3 61.9
119 31.8 24.6 37.0



#71
Bromoform
Concen: 0.631 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN076158.D
Acq: 09 Jan 2023 16:04

Tgt Ion:173 Resp: 1604
Ion Ratio Lower Upper
173 100
175 615.1 24.3 72.8#
254 0.0 0.0 0.0

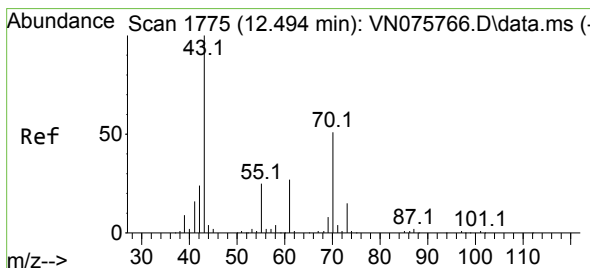
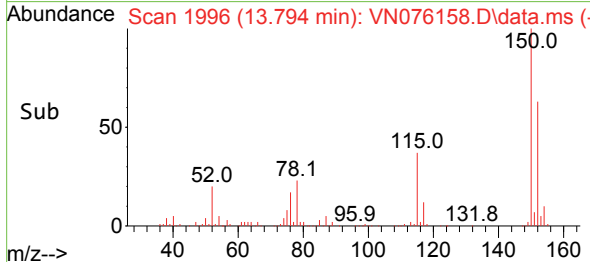
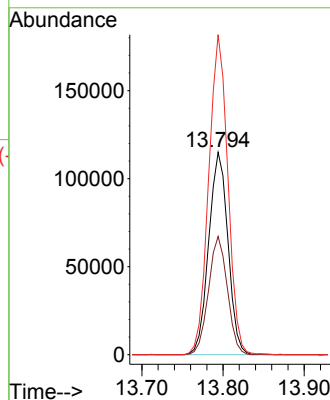
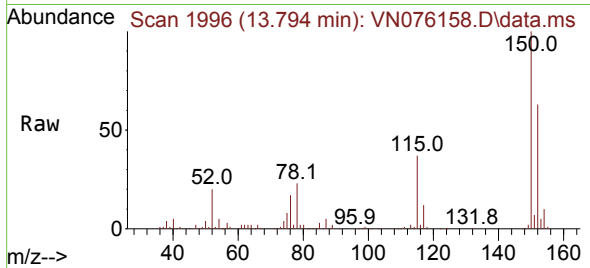




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076158.D
Acq: 09 Jan 2023 16:04

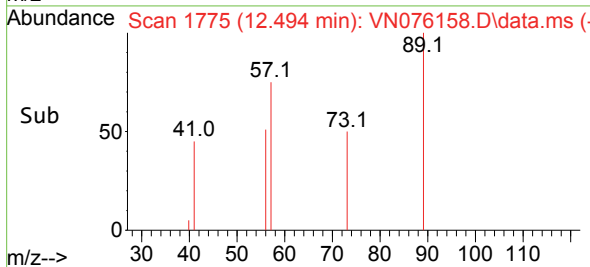
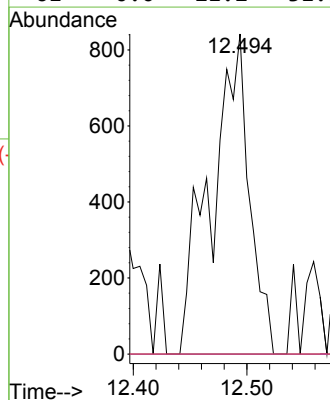
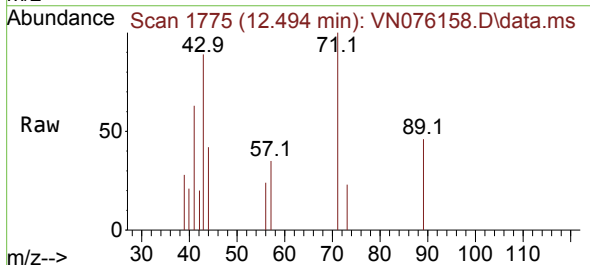
Instrument :
MSVOA_N
ClientSampleId :
PB150106ZHE#03

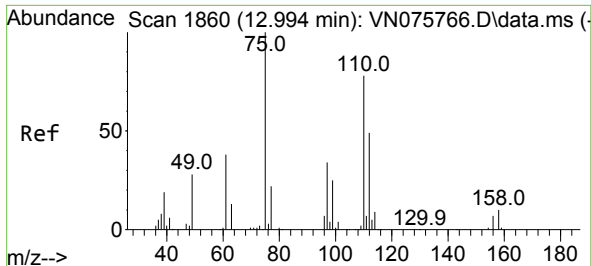
Tgt Ion:152 Resp: 189119
Ion Ratio Lower Upper
152 100
115 57.3 29.1 87.4
150 157.0 0.0 347.0



#74
N-ethyl acetate
Concen: 0.493 ug/l
RT: 12.494 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN076158.D
Acq: 09 Jan 2023 16:04

Tgt Ion: 43 Resp: 1976
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#

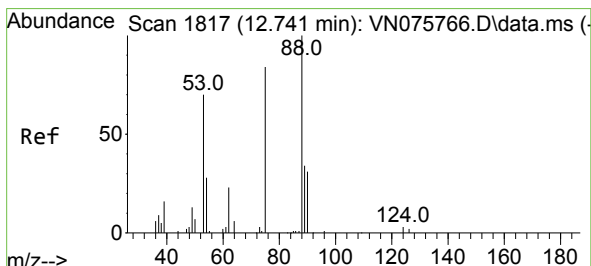
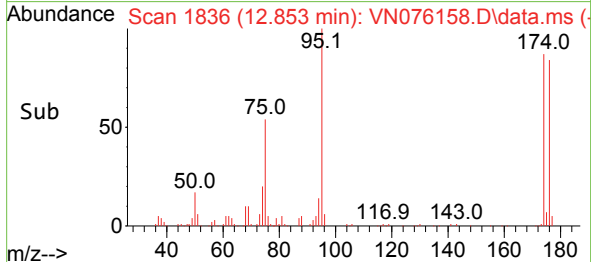
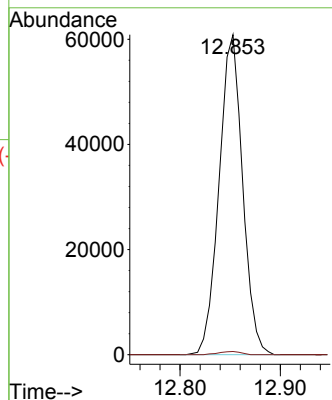
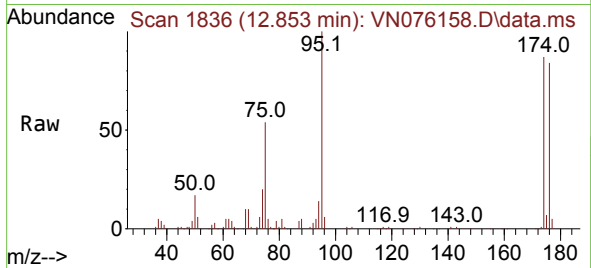




#76
1,2,3-Trichloropropane
Concen: 25.994 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076158.D
Acq: 09 Jan 2023 16:04

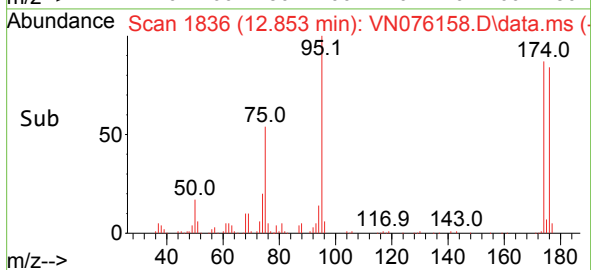
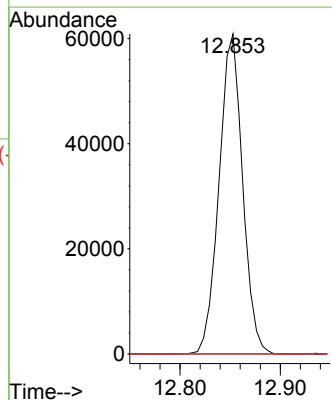
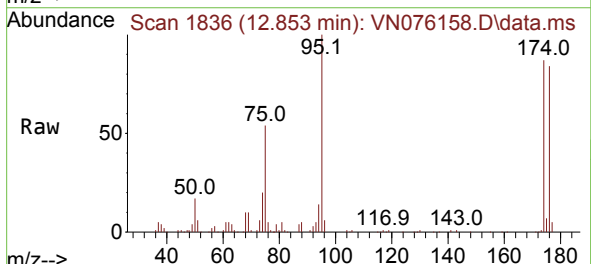
Instrument :
MSVOA_N
ClientSampleId :
PB150106ZHE#03

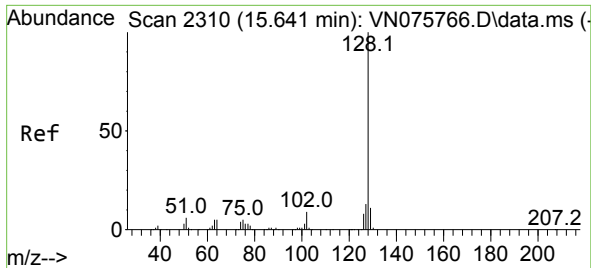
Tgt Ion: 75 Resp: 99095
Ion Ratio Lower Upper
75 100
77 0.9 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.567 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076158.D
Acq: 09 Jan 2023 16:04

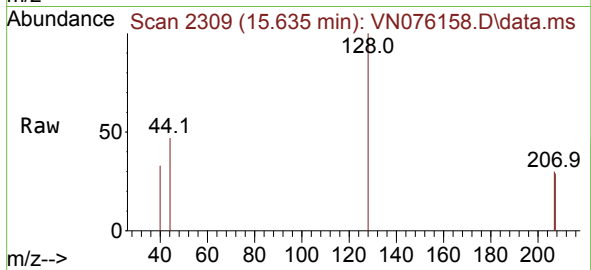
Tgt Ion: 75 Resp: 99095
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#





#95
Naphthalene
Concen: 2.296 ug/l
RT: 15.635 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN076158.D
Acq: 09 Jan 2023 16:04

Instrument :
MSVOA_N
ClientSampleId :
PB150106ZHE#03



Tgt Ion:128 Resp: 1279
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.7 13.1#

