

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020223\
 Data File : VN076520.D
 Acq On : 02 Feb 2023 19:16
 Operator : JC\MD
 Sample : PB150614ZHE#6
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB150614ZHE#6

Quant Time: Feb 03 01:05:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

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

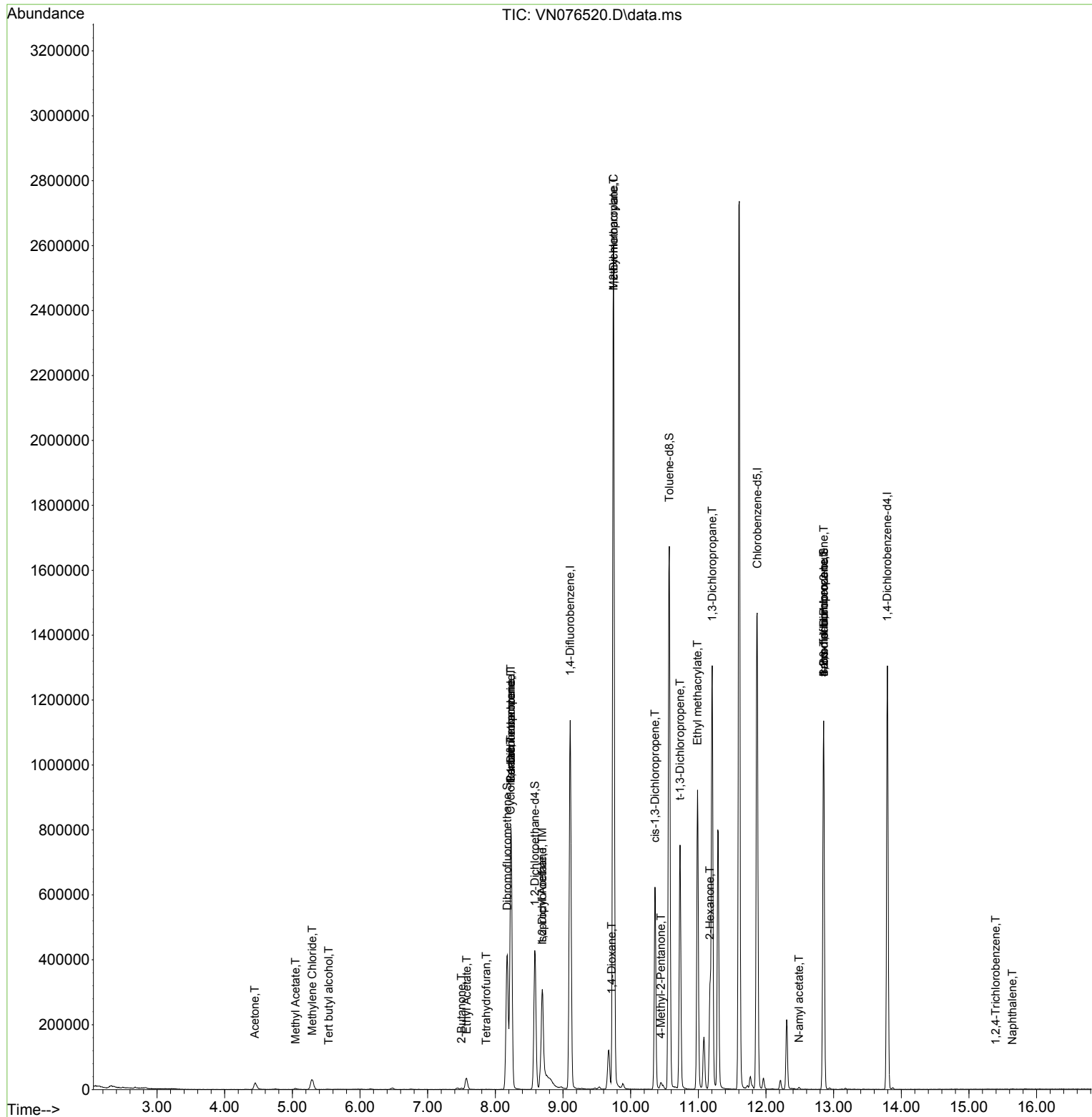
Internal Standards						
1) Pentafluorobenzene	8.229	168	596830	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	1020530	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	913904	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	361866	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	362299	54.215	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.440%			
35) Dibromofluoromethane	8.177	113	306024	47.937	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.880%			
50) Toluene-d8	10.571	98	1210719	51.353	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.700%			
62) 4-Bromofluorobenzene	12.853	95	396279	51.488	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.980%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.536	59	181	0.202	ug/l #	72
16) Acetone	4.447	43	39775	18.499	ug/l	96
18) Methyl Acetate	5.047	43	5490	0.756	ug/l	97
20) Methylene Chloride	5.294	84	26642	3.644	ug/l	97
25) 2-Butanone	7.500	43	6041	1.846	ug/l	92
29) Tetrahydrofuran	7.865	42	565	0.280	ug/l #	33
31) Cyclohexane	8.224	56	11628	1.133	ug/l #	26
36) 1,1-Dichloropropene	8.229	75	45424	5.007	ug/l #	49
37) Ethyl Acetate	7.577	43	53467	7.380	ug/l	98
38) Carbon Tetrachloride	8.229	117	63216	6.249	ug/l #	16
42) 1,2-Dichloroethane	8.694	62	2391	0.258	ug/l #	73
43) Isopropyl Acetate	8.694	43	414868	35.050	ug/l #	77
45) 1,2-Dichloropropane	9.747	63	3382	0.521	ug/l #	42
48) Methyl methacrylate	9.747	41	227137	40.534	ug/l #	32
49) 1,4-Dioxane	9.718	88	57	0.482	ug/l #	31
51) 4-Methyl-2-Pentanone	10.447	43	13624	1.961	ug/l	96
53) t-1,3-Dichloropropene	10.729	75	2100	0.232	ug/l #	67
54) cis-1,3-Dichloropropene	10.359	75	118227	11.336	ug/l #	58
56) Ethyl methacrylate	10.988	69	2891	0.323	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	14646	1.300	ug/l #	42
59) 2-Hexanone	11.170	43	243004	48.260	ug/l #	21
71) Bromoform	12.853	173	2136	0.411	ug/l #	1
74) N-amyl acetate	12.488	43	2372	0.295	ug/l #	44
76) 1,2,3-Trichloropropane	12.853	75	200655	30.060	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	200655	92.259	ug/l #	11
93) 1,2,4-Trichlorobenzene	15.394	180	117	1.323	ug/l #	56
95) Naphthalene	15.641	128	969	1.889	ug/l #	69

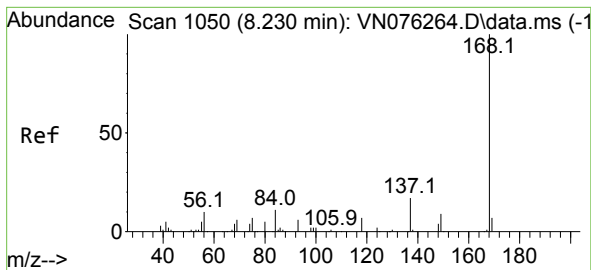
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020223\
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Quant Title : SW846 8260
QLast Update : Tue Jan 17 03:59:22 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.229 min Scan# 1050

Delta R.T. -0.001 min

Lab File: VN076520.D

Acq: 02 Feb 2023 19:16

Instrument :

MSVOA_N

ClientSampleId :

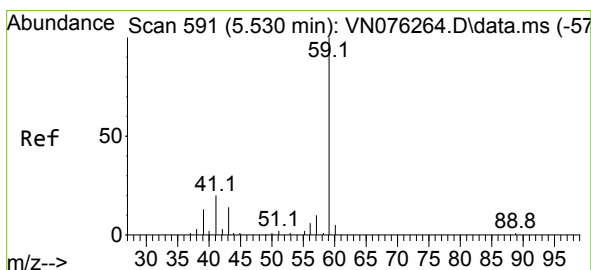
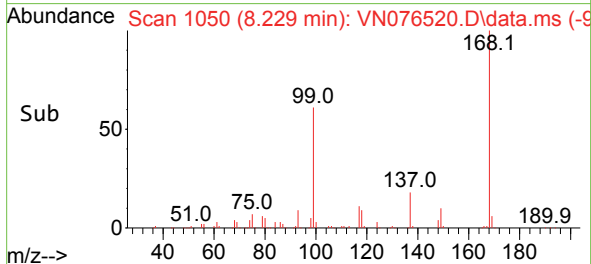
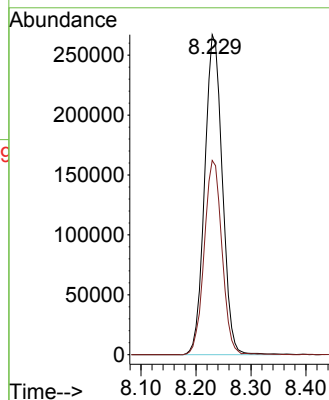
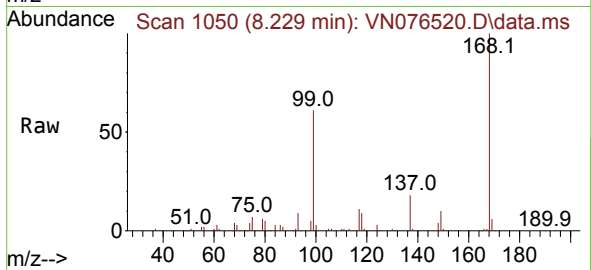
PB150614ZHE#6

Tgt Ion:168 Resp: 596830

Ion Ratio Lower Upper

168 100

99 60.7 41.6 62.4



#11

Tert butyl alcohol

Concen: 0.202 ug/l

RT: 5.536 min Scan# 592

Delta R.T. 0.006 min

Lab File: VN076520.D

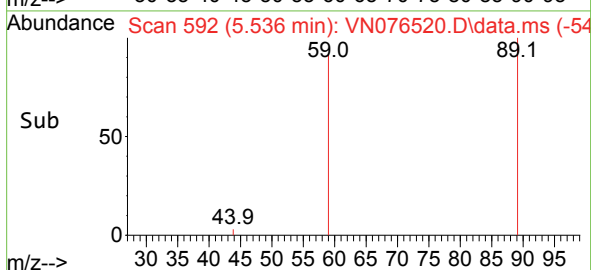
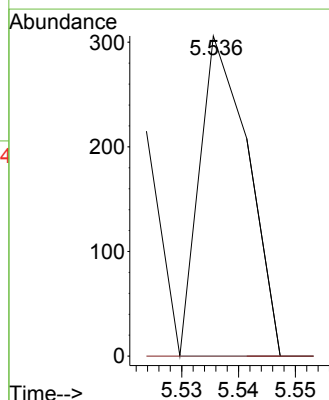
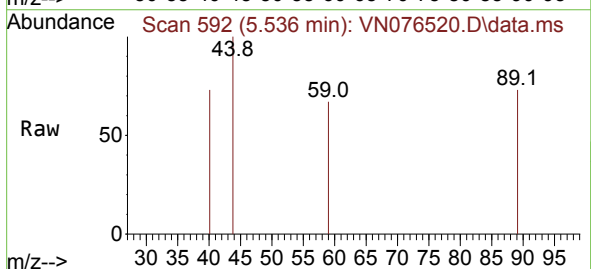
Acq: 02 Feb 2023 19:16

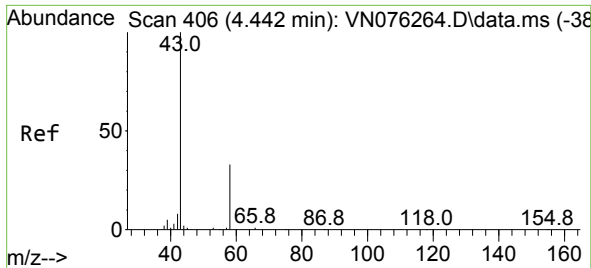
Tgt Ion: 59 Resp: 181

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#

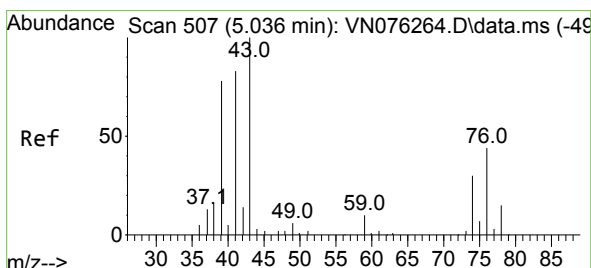
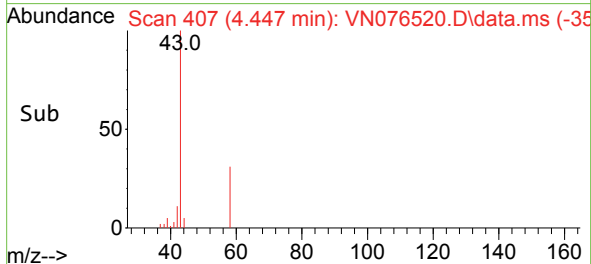
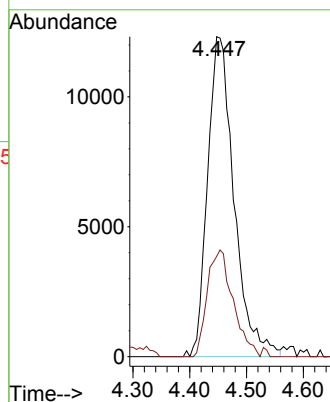
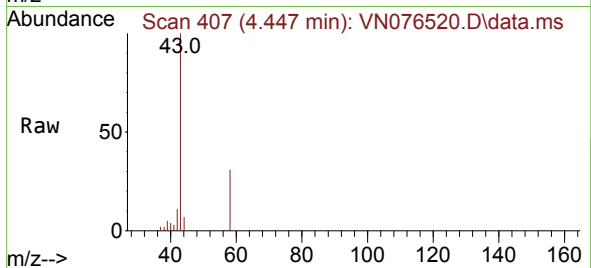




#16
Acetone
Concen: 18.499 ug/l
RT: 4.447 min Scan# 406
Delta R.T. 0.005 min
Lab File: VN076520.D
Acq: 02 Feb 2023 19:16

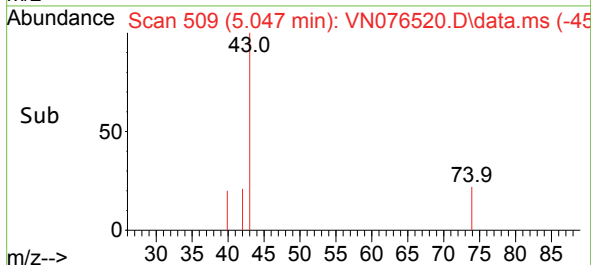
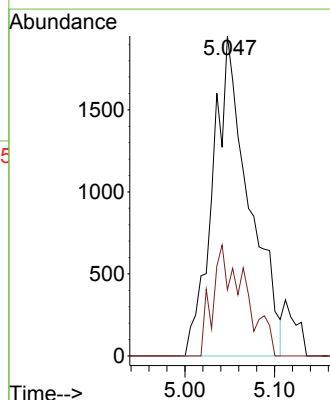
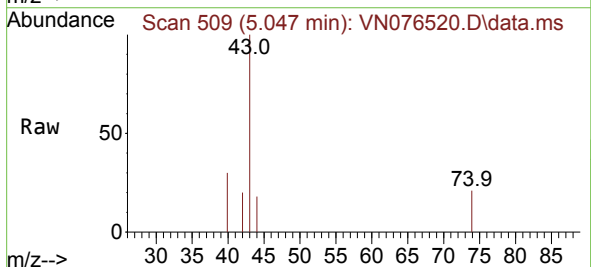
Instrument :
MSVOA_N
ClientSampleId :
PB150614ZHE#6

Tgt Ion: 43 Resp: 39775
Ion Ratio Lower Upper
43 100
58 31.4 26.7 40.1



#18
Methyl Acetate
Concen: 0.756 ug/l
RT: 5.047 min Scan# 509
Delta R.T. 0.011 min
Lab File: VN076520.D
Acq: 02 Feb 2023 19:16

Tgt Ion: 43 Resp: 5490
Ion Ratio Lower Upper
43 100
74 31.0 23.3 34.9

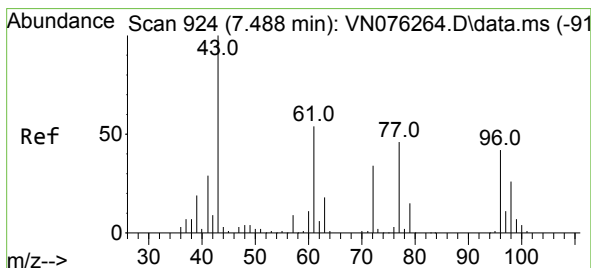
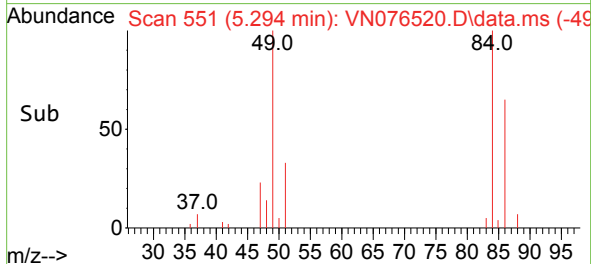
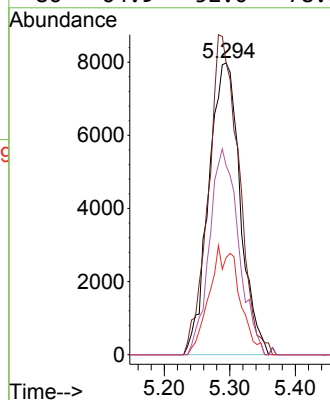
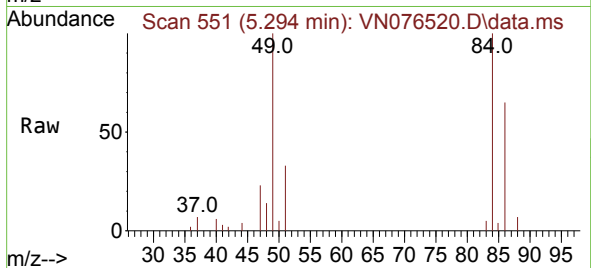




#20
Methylene Chloride
Concen: 3.644 ug/l
RT: 5.294 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN076520.D
Acq: 02 Feb 2023 19:16

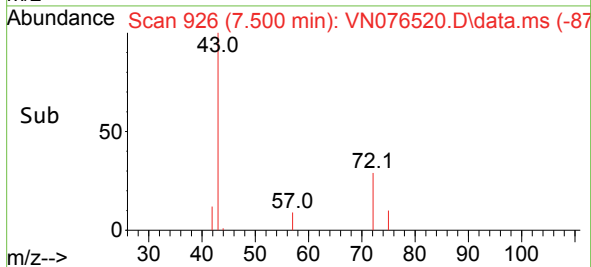
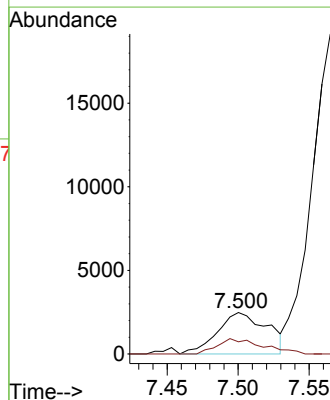
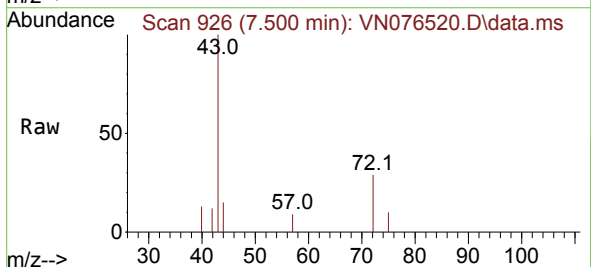
Instrument :
MSVOA_N
ClientSampleId :
PB150614ZHE#6

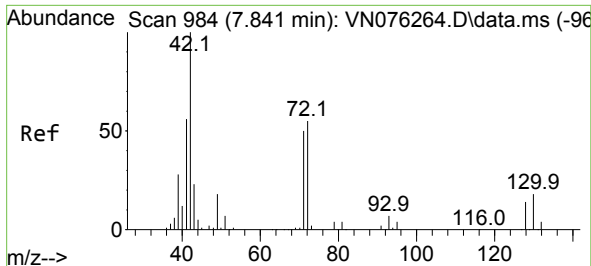
Tgt Ion: 84	Resp: 26642		
Ion	Ratio	Lower	Upper
84	100		
49	100.1	84.5	126.7
51	33.2	26.0	39.0
86	64.9	52.0	78.0



#25
2-Butanone
Concen: 1.846 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.012 min
Lab File: VN076520.D
Acq: 02 Feb 2023 19:16

Tgt Ion: 43	Resp: 6041		
Ion Ratio	Lower	Upper	
43 100			
72 29.5	27.4	41.2	

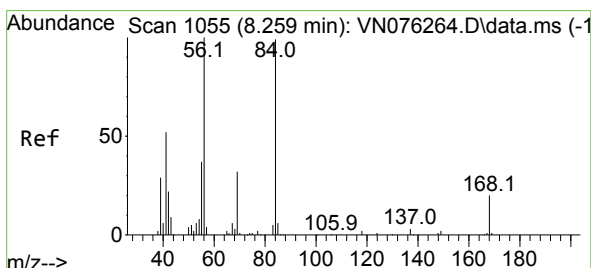
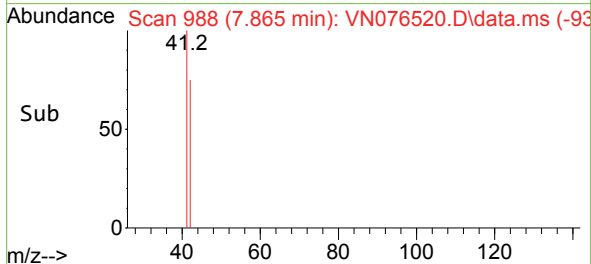
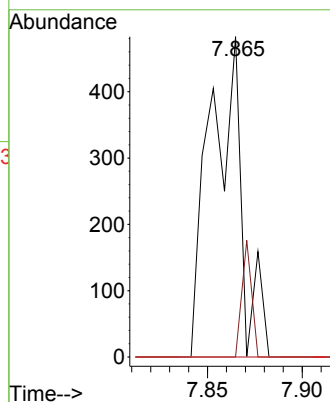
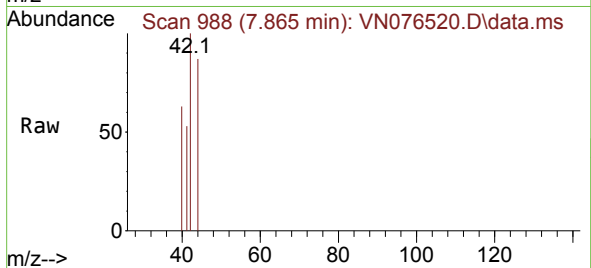




#29
Tetrahydrofuran
Concen: 0.280 ug/l
RT: 7.865 min Scan# 91
Delta R.T. 0.024 min
Lab File: VN076520.D
Acq: 02 Feb 2023 19:16

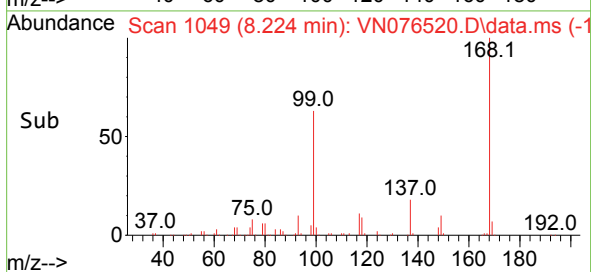
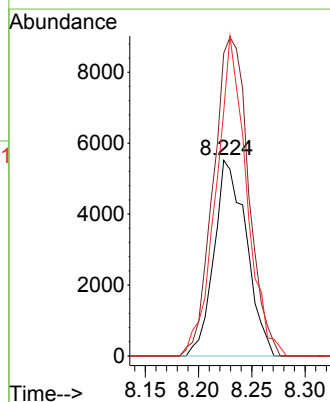
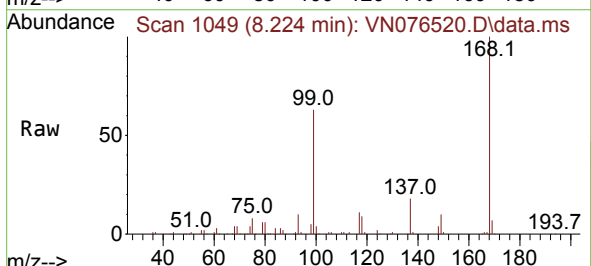
Instrument :
MSVOA_N
ClientSampleId :
PB150614ZHE#6

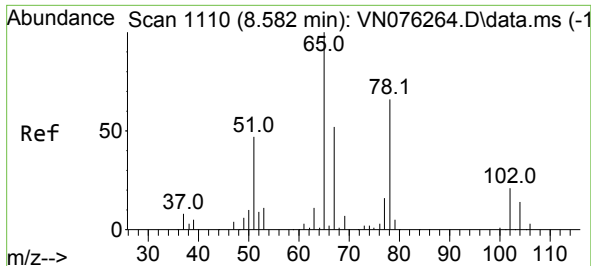
Tgt Ion: 42 Resp: 565
Ion Ratio Lower Upper
42 100
72 11.0 44.0 66.0#
71 0.0 41.1 61.7#



#31
Cyclohexane
Concen: 1.133 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN076520.D
Acq: 02 Feb 2023 19:16

Tgt Ion: 56 Resp: 11628
Ion Ratio Lower Upper
56 100
69 154.7 25.8 38.8#
84 124.9 79.0 118.4#





#33

1,2-Dichloroethane-d4

Concen: 54.215 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN076520.D

Acq: 02 Feb 2023 19:16

Instrument :

MSVOA_N

ClientSampleId :

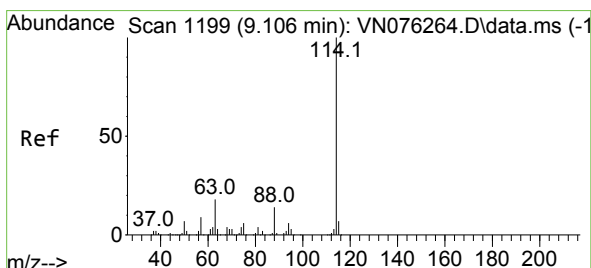
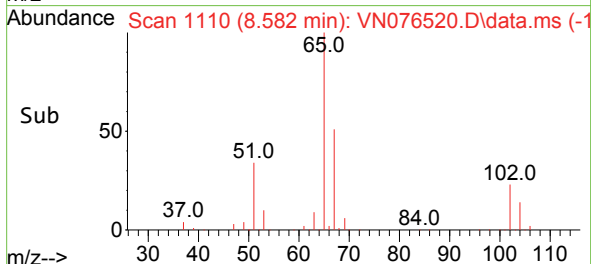
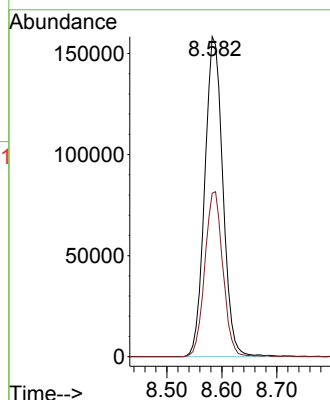
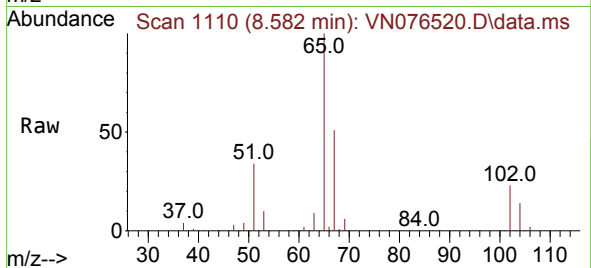
PB150614ZHE#6

Tgt Ion: 65 Resp: 362299

Ion Ratio Lower Upper

65 100

67 51.5 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN076520.D

Acq: 02 Feb 2023 19:16

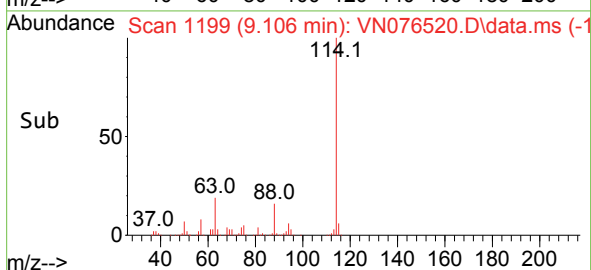
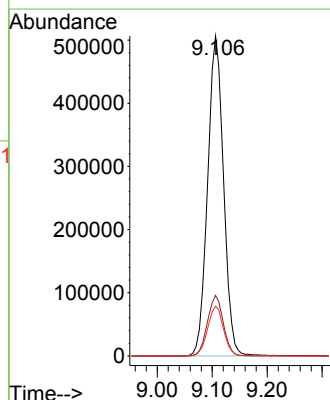
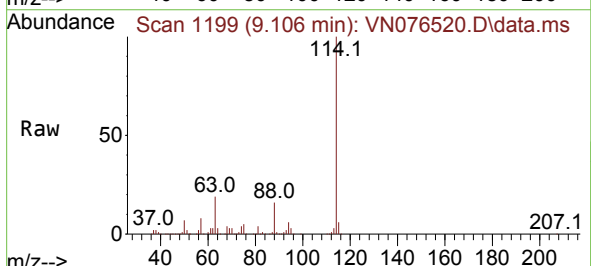
Tgt Ion: 114 Resp: 1020530

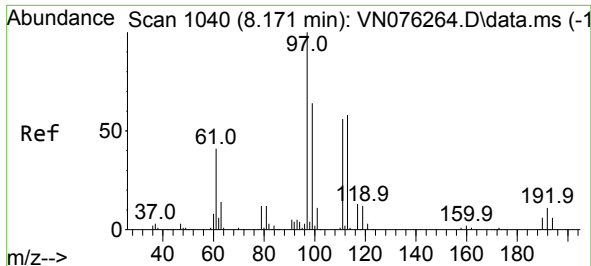
Ion Ratio Lower Upper

114 100

63 18.9 0.0 35.8

88 15.5 0.0 28.0





#35

Dibromofluoromethane

Concen: 47.937 ug/l

RT: 8.177 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN076520.D

Acq: 02 Feb 2023 19:16

Instrument :

MSVOA_N

ClientSampleId :

PB150614ZHE#6

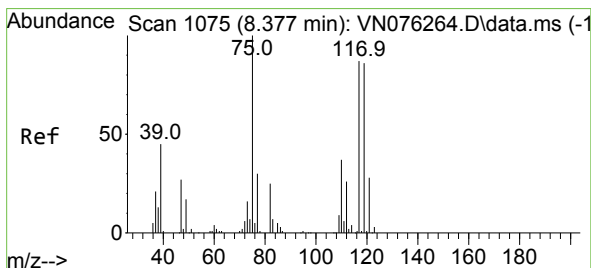
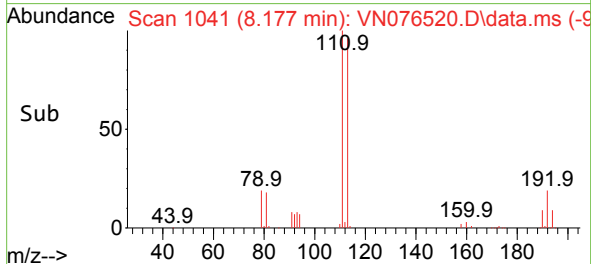
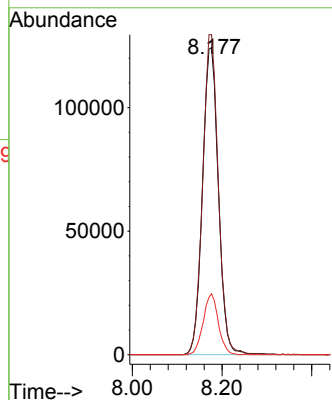
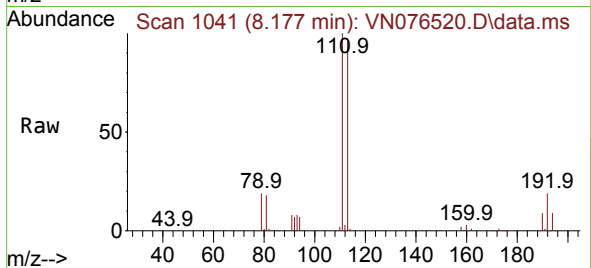
Tgt Ion:113 Resp: 306024

Ion Ratio Lower Upper

113 100

111 102.4 82.7 124.1

192 18.8 15.6 23.4



#36

1,1-Dichloropropene

Concen: 5.007 ug/l

RT: 8.229 min Scan# 1050

Delta R.T. -0.148 min

Lab File: VN076520.D

Acq: 02 Feb 2023 19:16

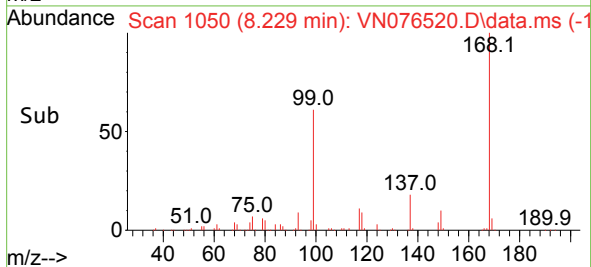
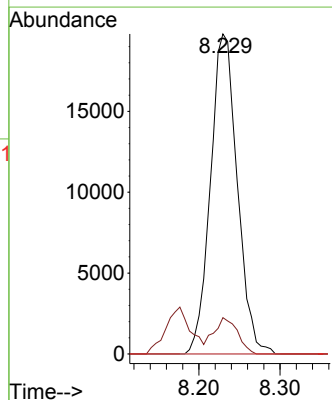
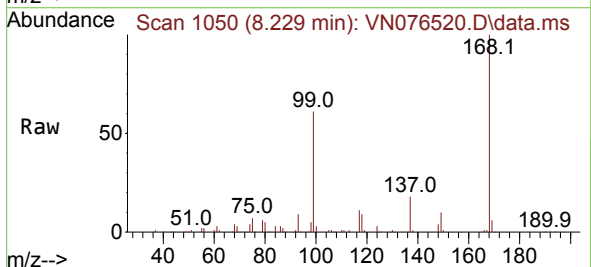
Tgt Ion: 75 Resp: 45424

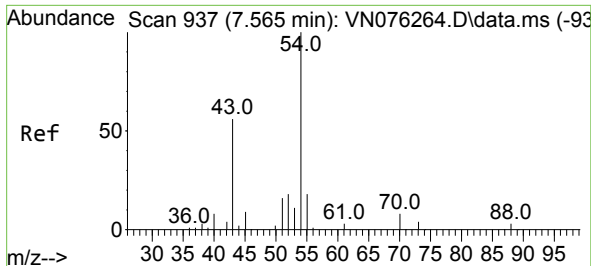
Ion Ratio Lower Upper

75 100

110 10.1 18.8 56.3#

77 0.0 25.0 37.4#

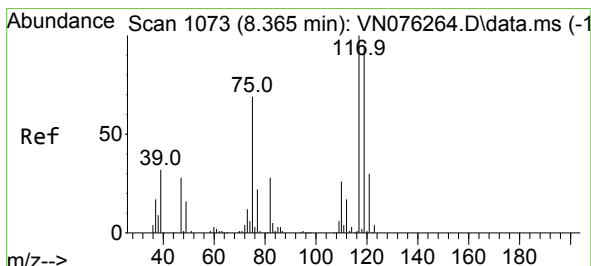
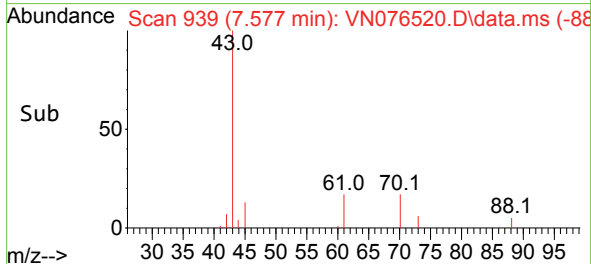
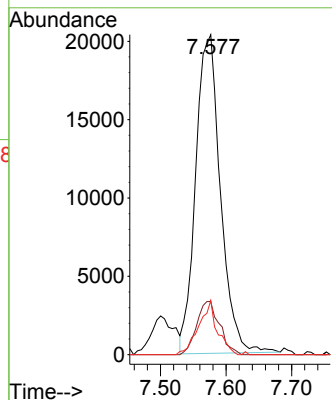
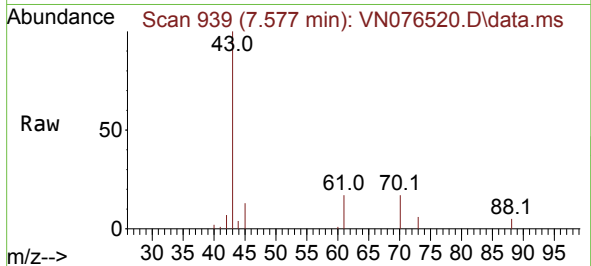




#37
Ethyl Acetate
Concen: 7.380 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN076520.D
Acq: 02 Feb 2023 19:16

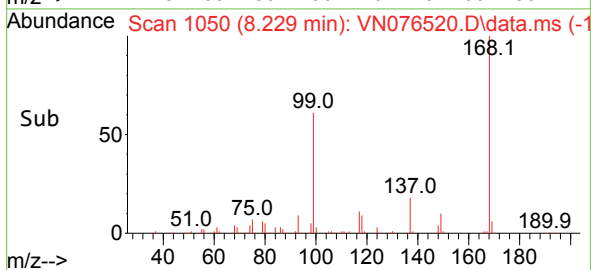
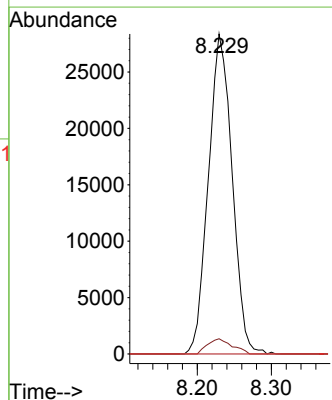
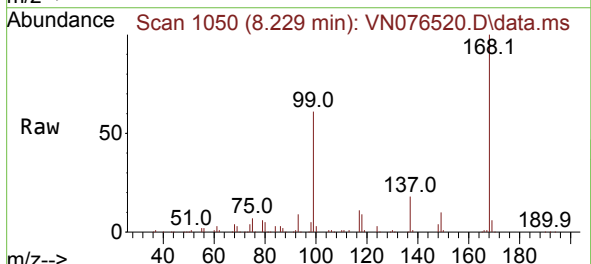
Instrument :
MSVOA_N
ClientSampleId :
PB150614ZHE#6

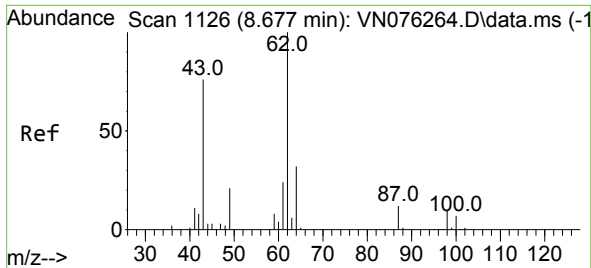
Tgt Ion: 43	Resp: 53467
Ion Ratio	Lower Upper
43	100
61	15.5 11.1 16.7
70	12.7 10.0 15.0



#38
Carbon Tetrachloride
Concen: 6.249 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.136 min
Lab File: VN076520.D
Acq: 02 Feb 2023 19:16

Tgt Ion: 117	Resp: 63216
Ion Ratio	Lower Upper
117	100
119	4.7 75.4 113.0#
121	0.0 24.2 36.2#





#42

1,2-Dichloroethane

Concen: 0.258 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.017 min

Lab File: VN076520.D

Acq: 02 Feb 2023 19:16

Instrument :

MSVOA_N

ClientSampleId :

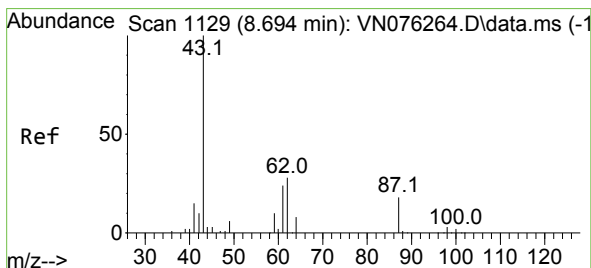
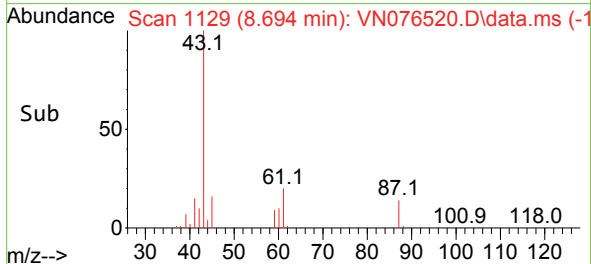
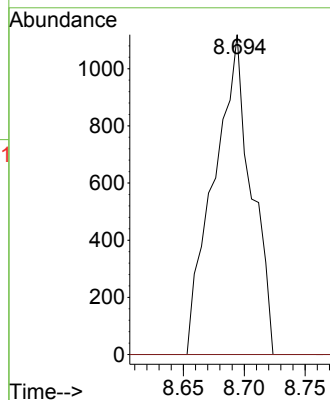
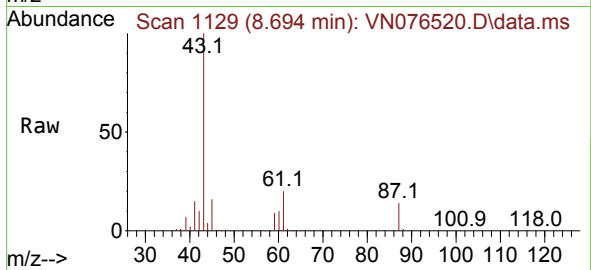
PB150614ZHE#6

Tgt Ion: 62 Resp: 2391

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.4



#43

Isopropyl Acetate

Concen: 35.050 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VN076520.D

Acq: 02 Feb 2023 19:16

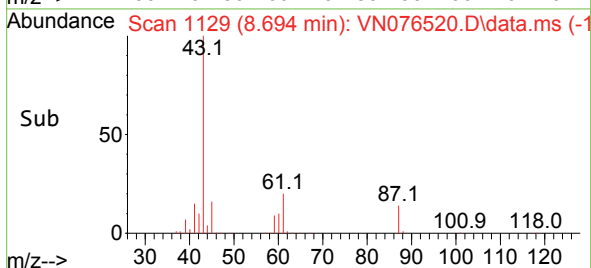
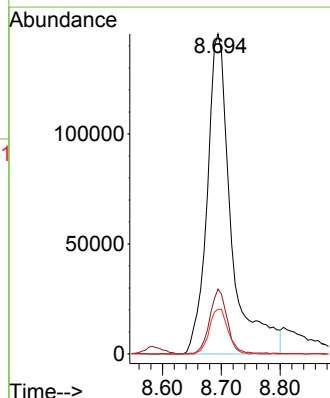
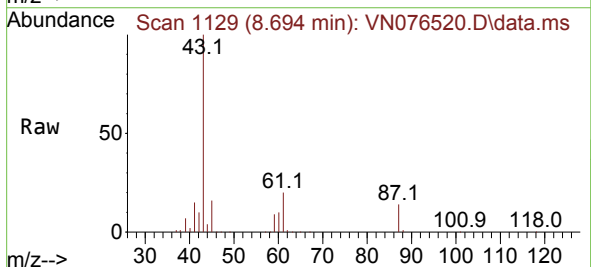
Tgt Ion: 43 Resp: 414868

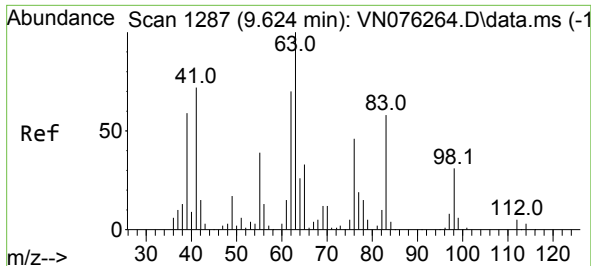
Ion Ratio Lower Upper

43 100

61 14.8 23.5 35.3#

87 10.7 13.8 20.6#





#45

1,2-Dichloropropane

Concen: 0.521 ug/l

RT: 9.747 min Scan# 1308

Delta R.T. 0.123 min

Lab File: VN076520.D

Acq: 02 Feb 2023 19:16

Instrument :

MSVOA_N

ClientSampleId :

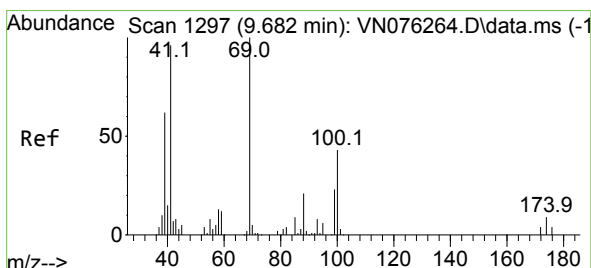
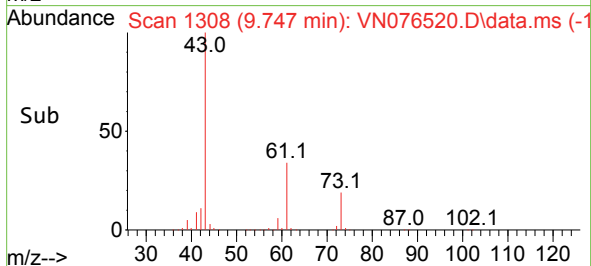
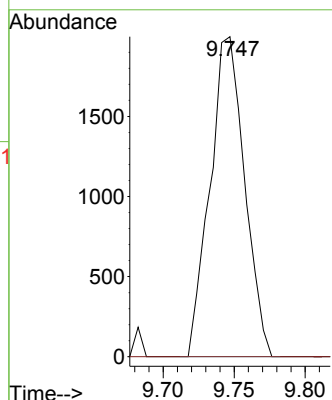
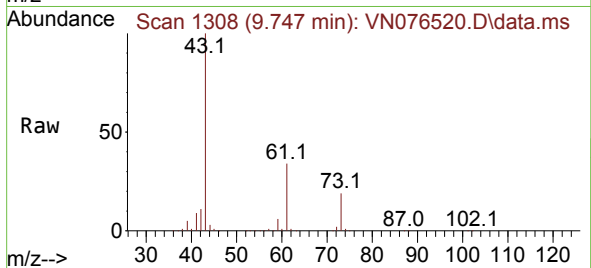
PB150614ZHE#6

Tgt Ion: 63 Resp: 3382

Ion Ratio Lower Upper

63 100

65 0.0 26.4 39.6#



#48

Methyl methacrylate

Concen: 40.534 ug/l

RT: 9.747 min Scan# 1308

Delta R.T. 0.065 min

Lab File: VN076520.D

Acq: 02 Feb 2023 19:16

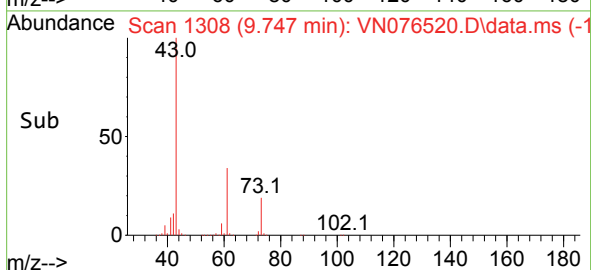
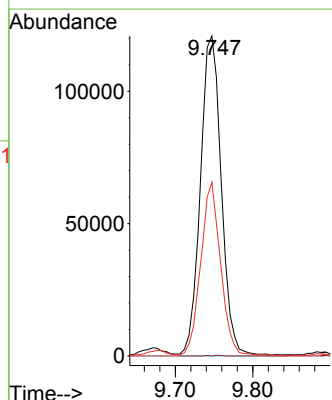
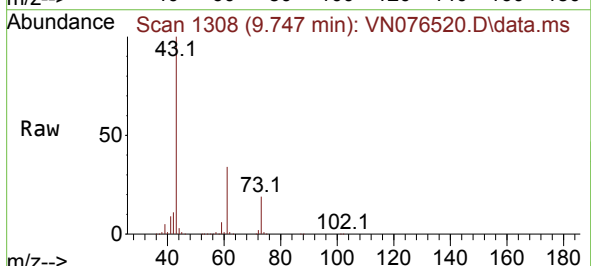
Tgt Ion: 41 Resp: 227137

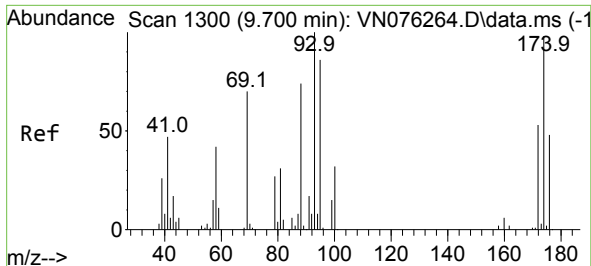
Ion Ratio Lower Upper

41 100

69 0.1 80.8 121.2#

39 51.7 54.4 81.6#





#49

1,4-Dioxane

Concen: 0.482 ug/l

RT: 9.718 min Scan# 11

Delta R.T. 0.018 min

Lab File: VN076520.D

Acq: 02 Feb 2023 19:16

Instrument :

MSVOA_N

ClientSampleId :

PB150614ZHE#6

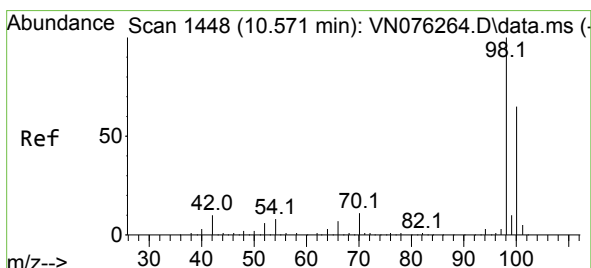
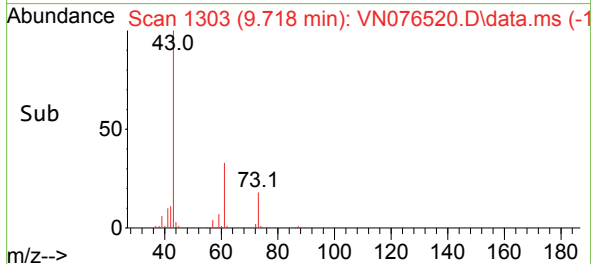
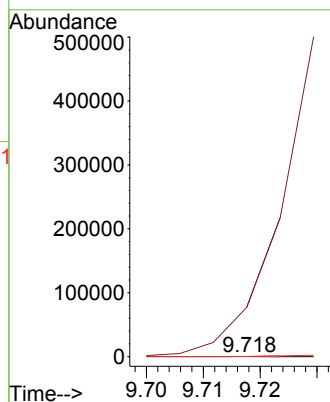
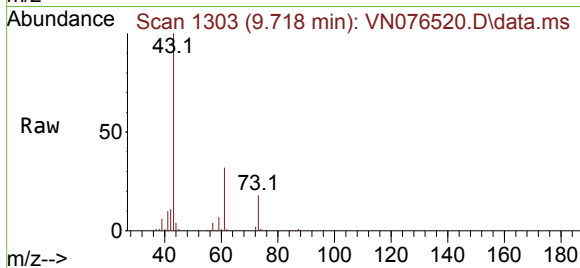
Tgt Ion: 88 Resp: 57

Ion Ratio Lower Upper

88 100

43 0.0 18.1 27.1#

58 0.0 46.5 69.7#



#50

Toluene-d8

Concen: 51.353 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN076520.D

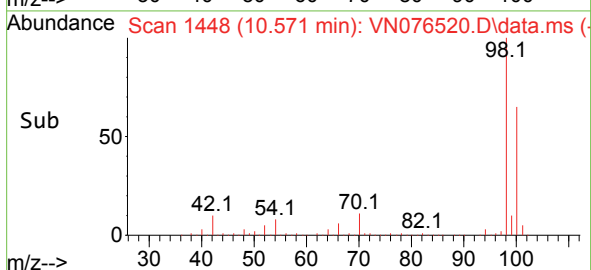
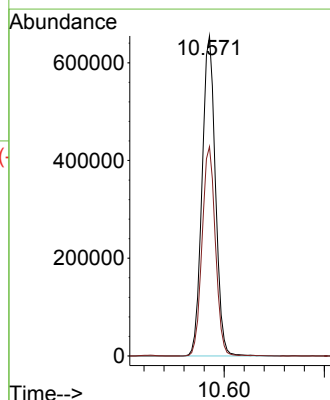
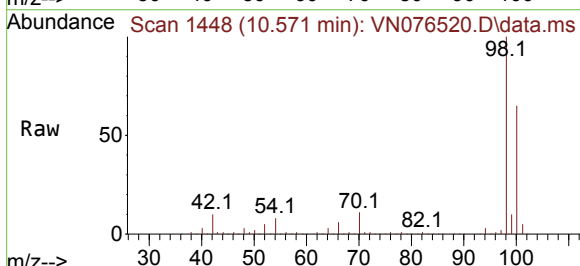
Acq: 02 Feb 2023 19:16

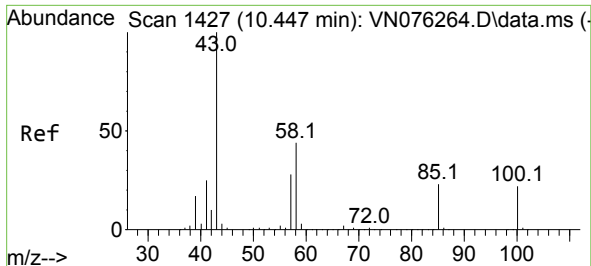
Tgt Ion: 98 Resp: 1210719

Ion Ratio Lower Upper

98 100

100 65.2 52.2 78.4

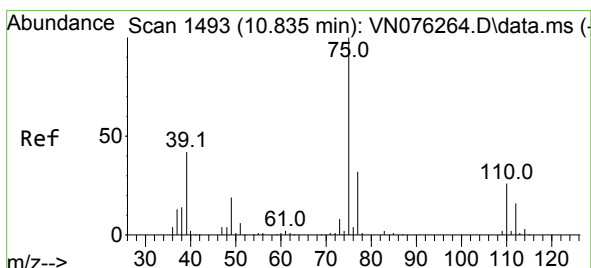
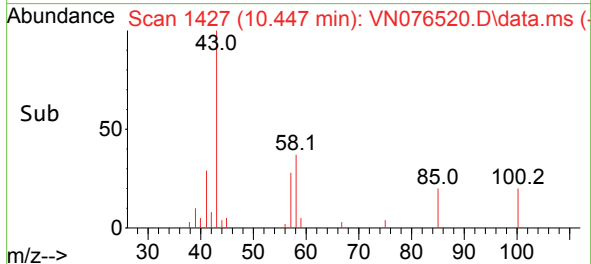
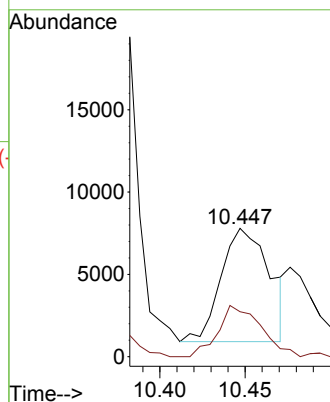
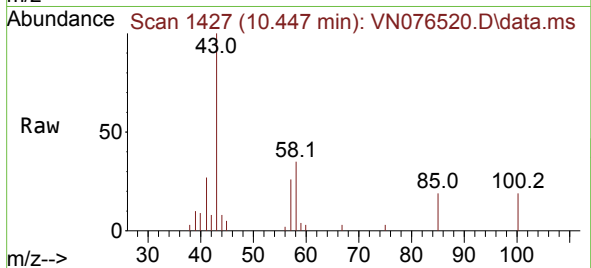




#51
4-Methyl-2-Pentanone
Concen: 1.961 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN076520.D
Acq: 02 Feb 2023 19:16

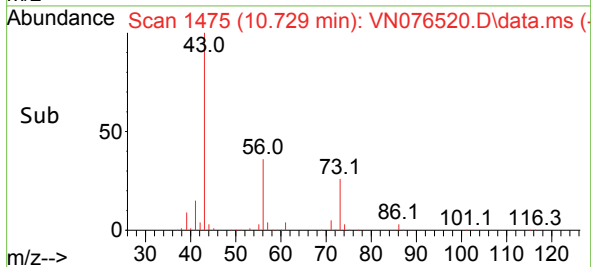
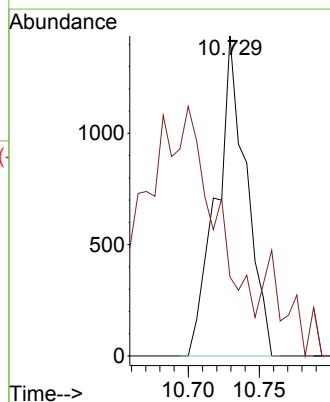
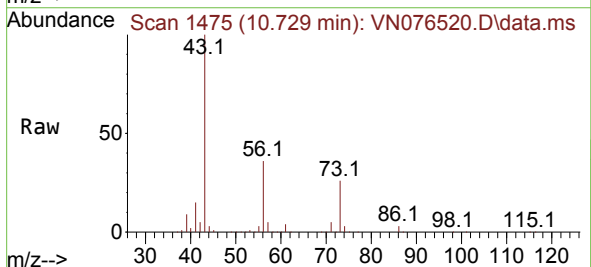
Instrument :
MSVOA_N
ClientSampleId :
PB150614ZHE#6

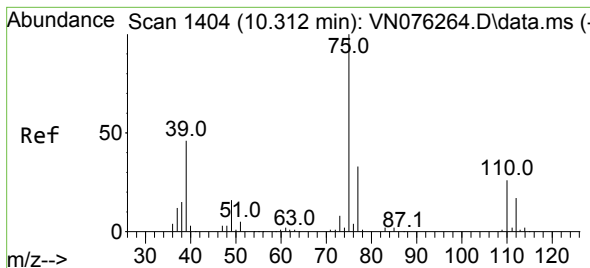
Tgt Ion: 43 Resp: 13624
Ion Ratio Lower Upper
43 100
58 41.0 35.1 52.7



#53
t-1,3-Dichloropropene
Concen: 0.232 ug/l
RT: 10.729 min Scan# 1475
Delta R.T. -0.106 min
Lab File: VN076520.D
Acq: 02 Feb 2023 19:16

Tgt Ion: 75 Resp: 2100
Ion Ratio Lower Upper
75 100
77 13.8 25.8 38.6#

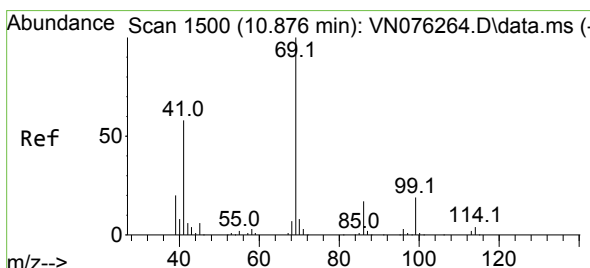
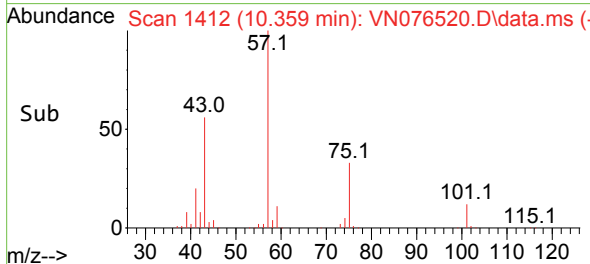
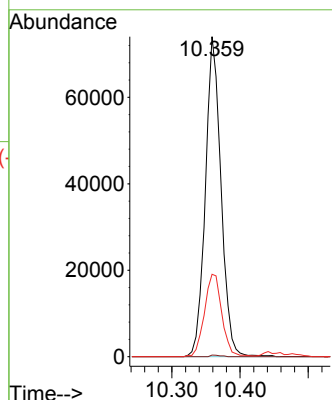
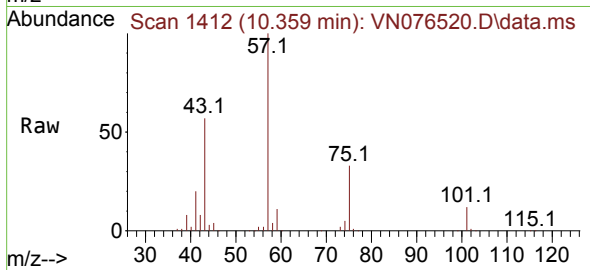




#54
 cis-1,3-Dichloropropene
 Concen: 11.336 ug/l
 RT: 10.359 min Scan# 1404
 Delta R.T. 0.047 min
 Lab File: VN076520.D
 Acq: 02 Feb 2023 19:16

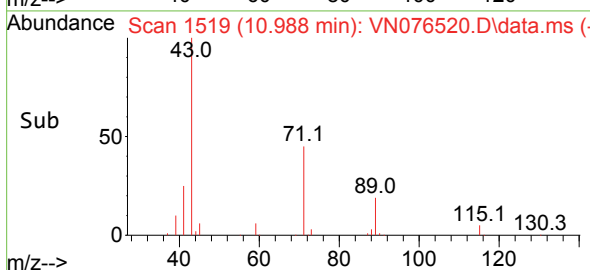
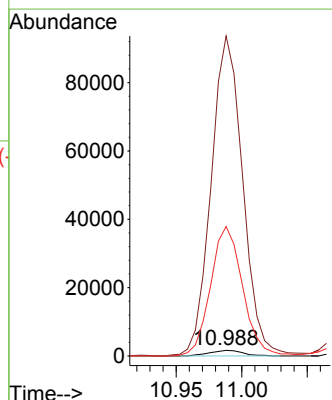
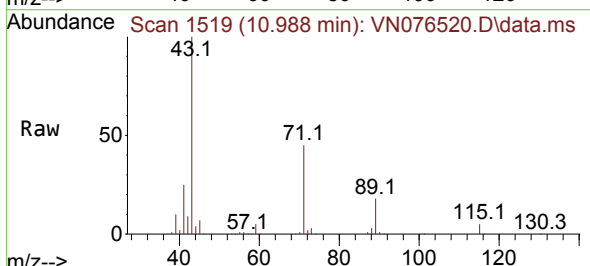
Instrument :
 MSVOA_N
 ClientSampleId :
 PB150614ZHE#6

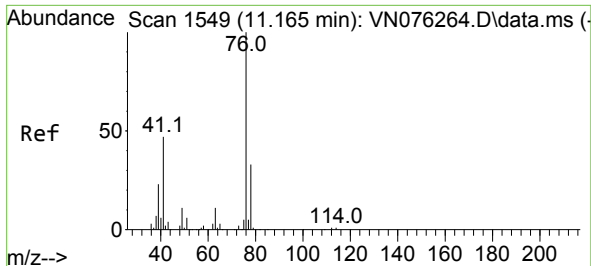
Tgt Ion: 75 Resp: 118227
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.5 39.7#
 39 25.8 37.1 55.7#



#56
 Ethyl methacrylate
 Concen: 0.323 ug/l
 RT: 10.988 min Scan# 1519
 Delta R.T. 0.112 min
 Lab File: VN076520.D
 Acq: 02 Feb 2023 19:16

Tgt Ion: 69 Resp: 2891
 Ion Ratio Lower Upper
 69 100
 41 5449.4 45.3 67.9#
 39 2229.2 29.3 43.9#





#57

1,3-Dichloropropane

Concen: 1.300 ug/l

RT: 11.206 min Scan# 1556

Delta R.T. 0.041 min

Lab File: VN076520.D

Acq: 02 Feb 2023 19:16

Instrument :

MSVOA_N

ClientSampleId :

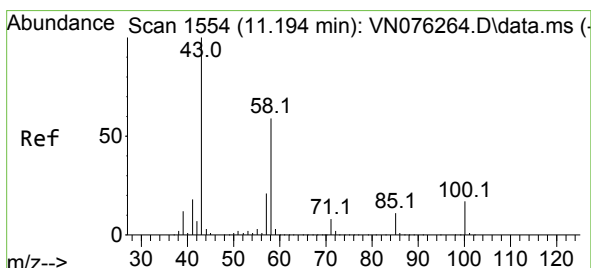
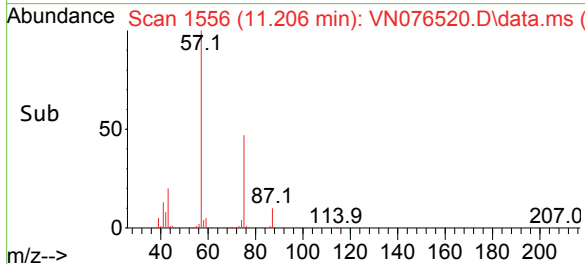
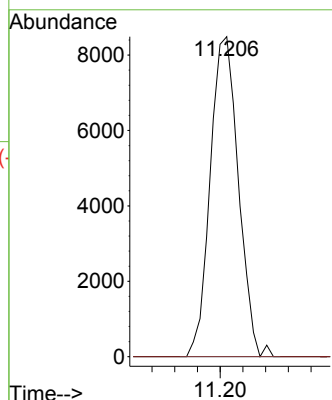
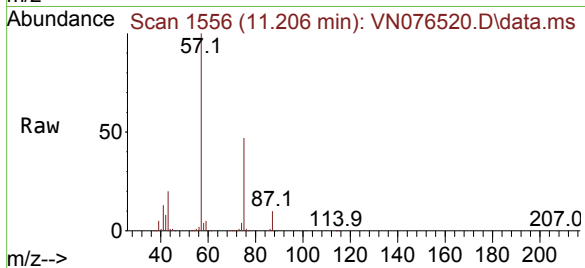
PB150614ZHE#6

Tgt Ion: 76 Resp: 14646

Ion Ratio Lower Upper

76 100

78 0.0 26.4 39.6#



#59

2-Hexanone

Concen: 48.260 ug/l

RT: 11.170 min Scan# 1550

Delta R.T. -0.024 min

Lab File: VN076520.D

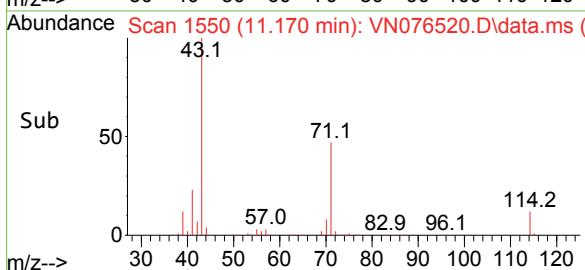
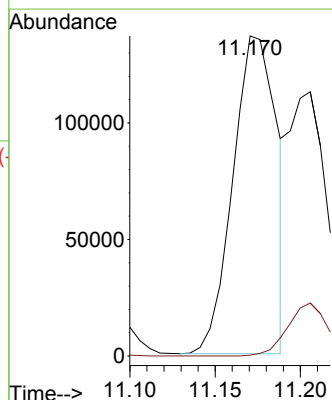
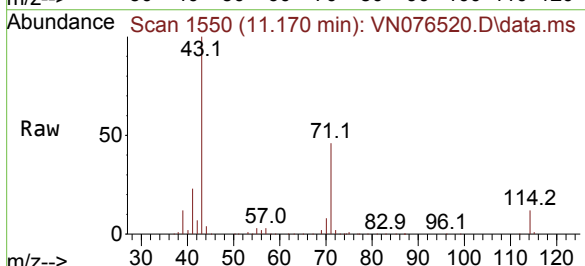
Acq: 02 Feb 2023 19:16

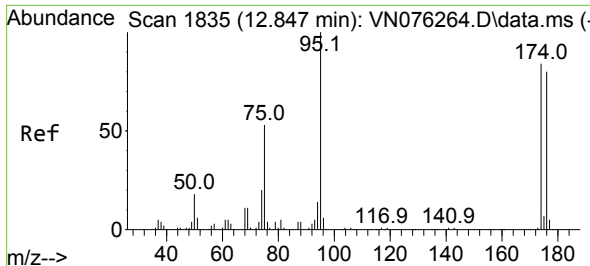
Tgt Ion: 43 Resp: 243004

Ion Ratio Lower Upper

43 100

58 0.0 30.1 90.3#

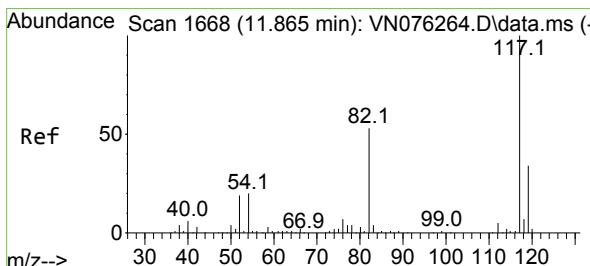
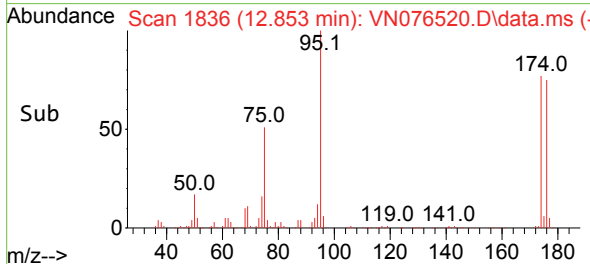
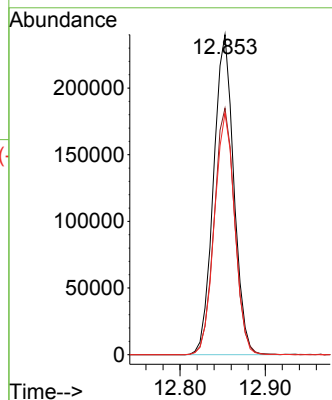
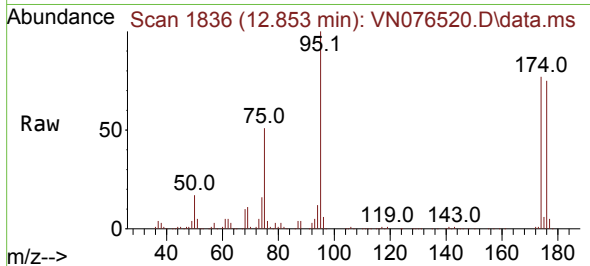




#62
4-Bromofluorobenzene
Concen: 51.488 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076520.D
Acq: 02 Feb 2023 19:16

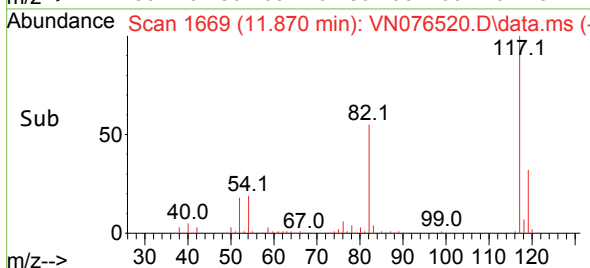
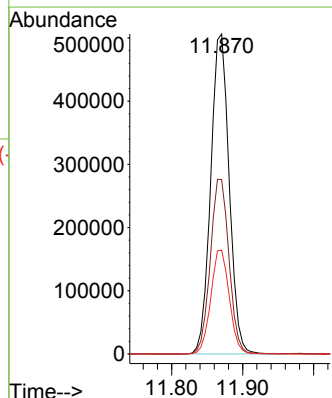
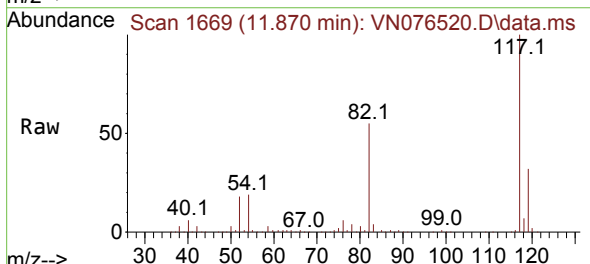
Instrument :
MSVOA_N
ClientSampleId :
PB150614ZHE#6

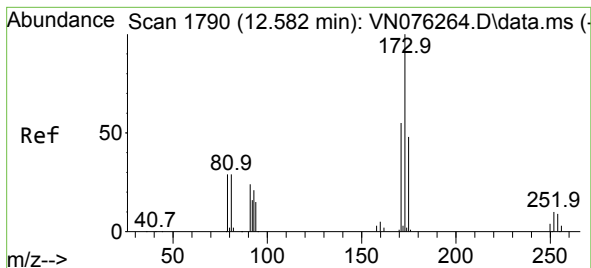
Tgt Ion: 95 Resp: 396279
Ion Ratio Lower Upper
95 100
174 77.8 0.0 174.6
176 75.8 0.0 167.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.005 min
Lab File: VN076520.D
Acq: 02 Feb 2023 19:16

Tgt Ion: 117 Resp: 913904
Ion Ratio Lower Upper
117 100
82 54.5 42.2 63.2
119 32.5 26.9 40.3





#71

Bromoform

Concen: 0.411 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.271 min

Lab File: VN076520.D

Acq: 02 Feb 2023 19:16

Instrument :

MSVOA_N

ClientSampleId :

PB150614ZHE#6

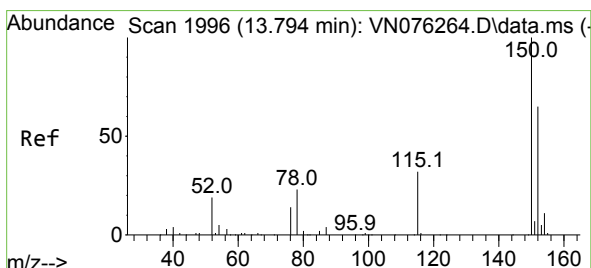
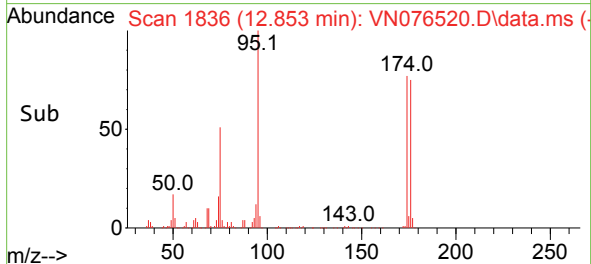
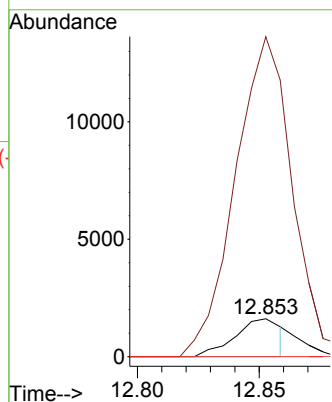
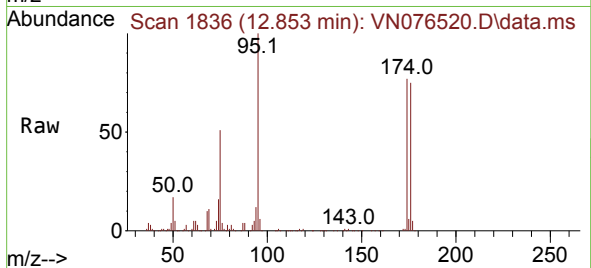
Tgt Ion:173 Resp: 2136

Ion Ratio Lower Upper

173 100

175 856.3 24.1 72.4#

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: VN076520.D

Acq: 02 Feb 2023 19:16

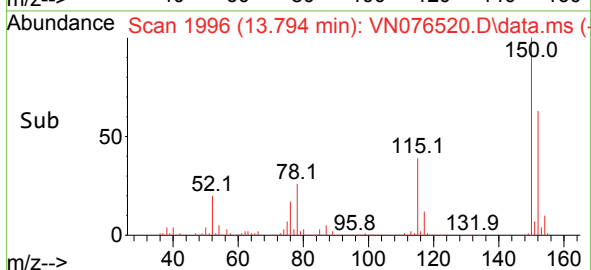
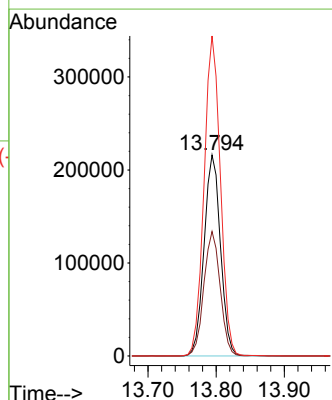
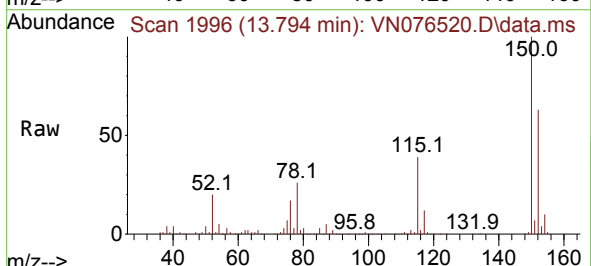
Tgt Ion:152 Resp: 361866

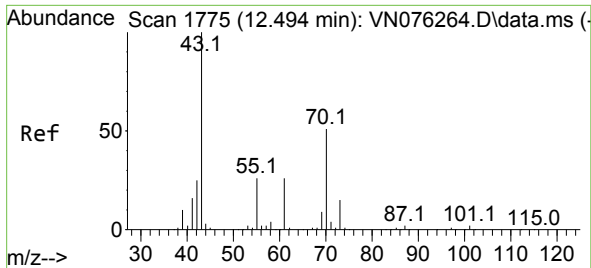
Ion Ratio Lower Upper

152 100

115 61.6 29.6 88.9

150 158.5 0.0 351.4

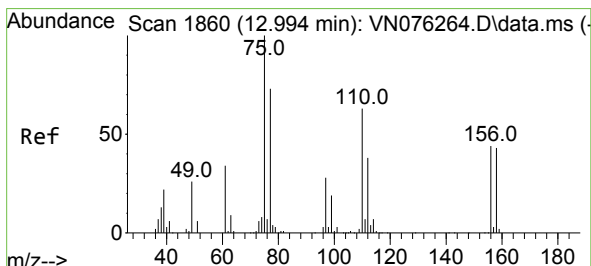
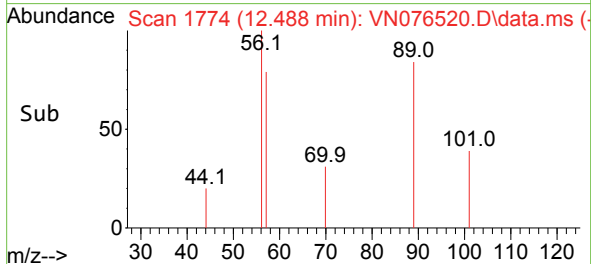
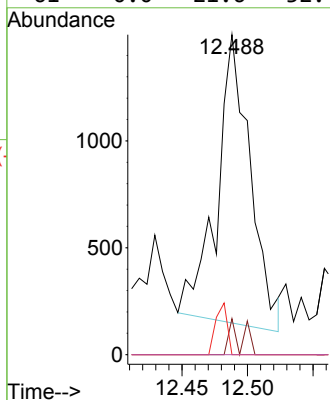
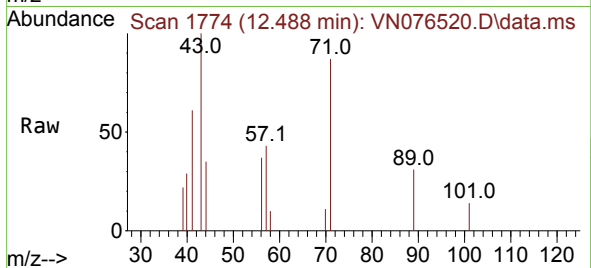




#74
N-amy1 acetate
Concen: 0.295 ug/l
RT: 12.488 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN076520.D
Acq: 02 Feb 2023 19:16

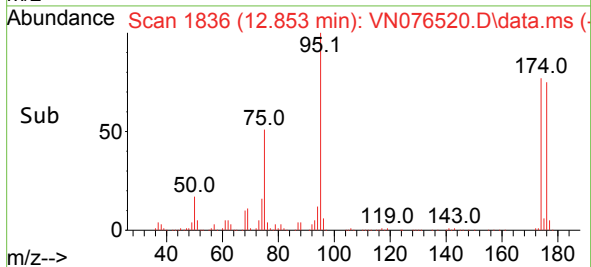
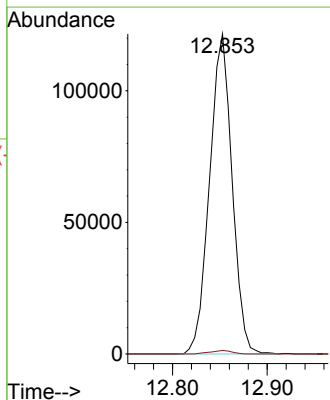
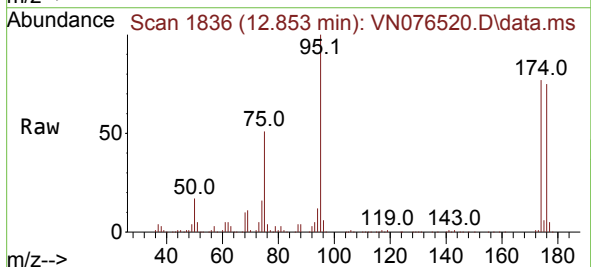
Instrument :
MSVOA_N
ClientSampleId :
PB150614ZHE#6

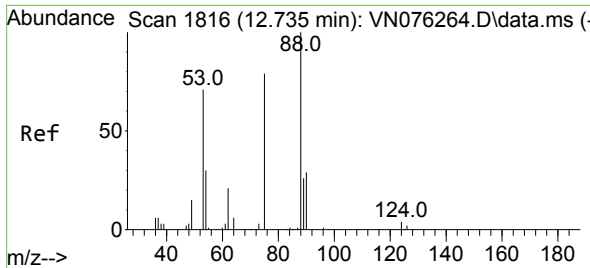
Tgt Ion: 43	Resp: 2372
Ion Ratio	Lower Upper
43	100
70	4.8 41.2 61.8#
55	6.2 21.0 31.6#
61	0.0 21.6 32.4#



#76
1,2,3-Trichloropropane
Concen: 30.060 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076520.D
Acq: 02 Feb 2023 19:16

Tgt Ion: 75	Resp: 200655
Ion Ratio	Lower Upper
75	100
77	1.1 75.2 225.6#

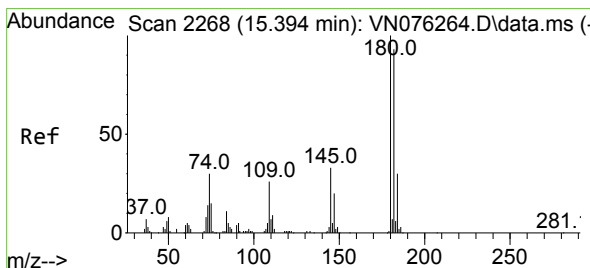
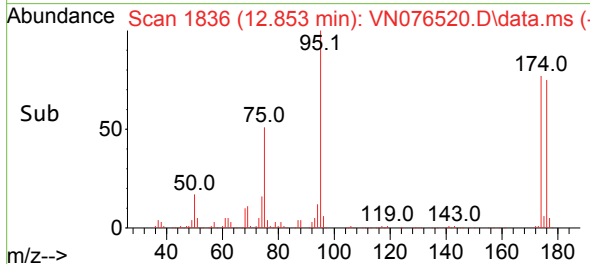
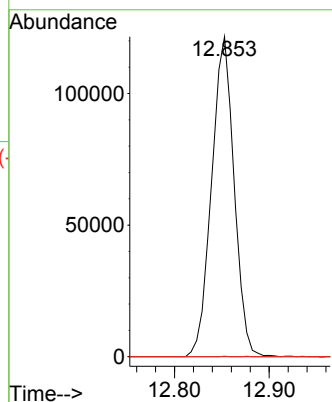
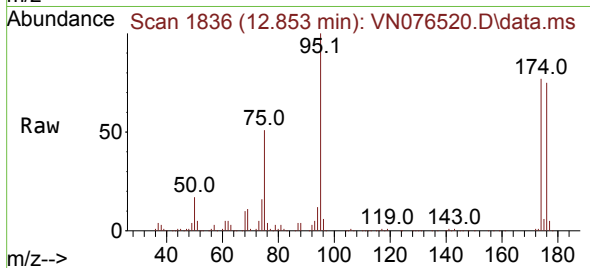




#81
trans-1,4-Dichloro-2-butene
Concen: 92.259 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN076520.D
Acq: 02 Feb 2023 19:16

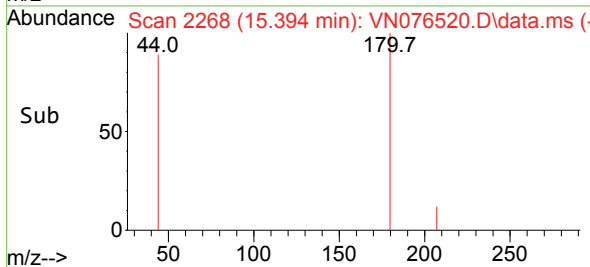
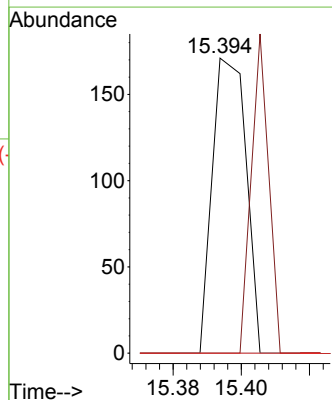
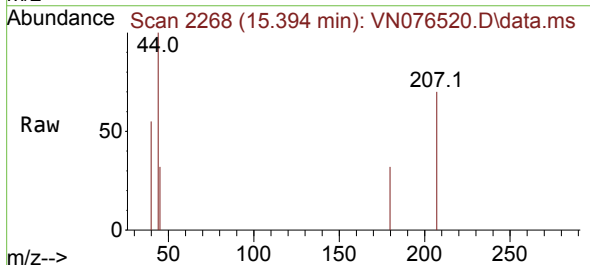
Instrument :
MSVOA_N
ClientSampleId :
PB150614ZHE#6

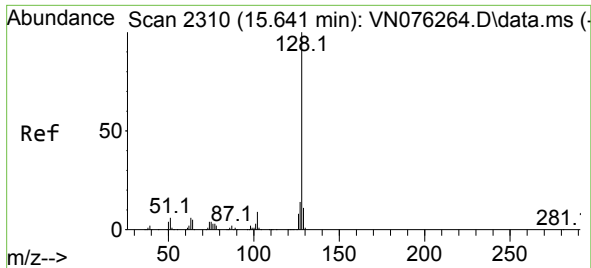
Tgt Ion: 75 Resp: 200655
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.323 ug/l
RT: 15.394 min Scan# 2268
Delta R.T. -0.000 min
Lab File: VN076520.D
Acq: 02 Feb 2023 19:16

Tgt Ion: 180 Resp: 117
Ion Ratio Lower Upper
180 100
182 55.6 47.0 141.2
145 0.0 15.2 45.5#





#95

Naphthalene

Concen: 1.889 ug/l

RT: 15.641 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN076520.D

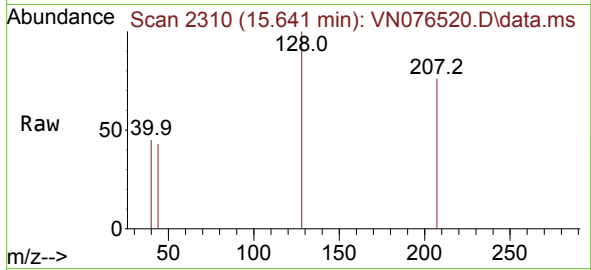
Acq: 02 Feb 2023 19:16

Instrument :

MSVOA_N

ClientSampleId :

PB150614ZHE#6



Tgt Ion:128 Resp: 969

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.6 13.0#

