

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020223\
 Data File : VN076517.D
 Acq On : 02 Feb 2023 18:03
 Operator : JC\MD
 Sample : PB150614ZHE#3
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB150614ZHE#3

Quant Time: Feb 03 01:04:04 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)

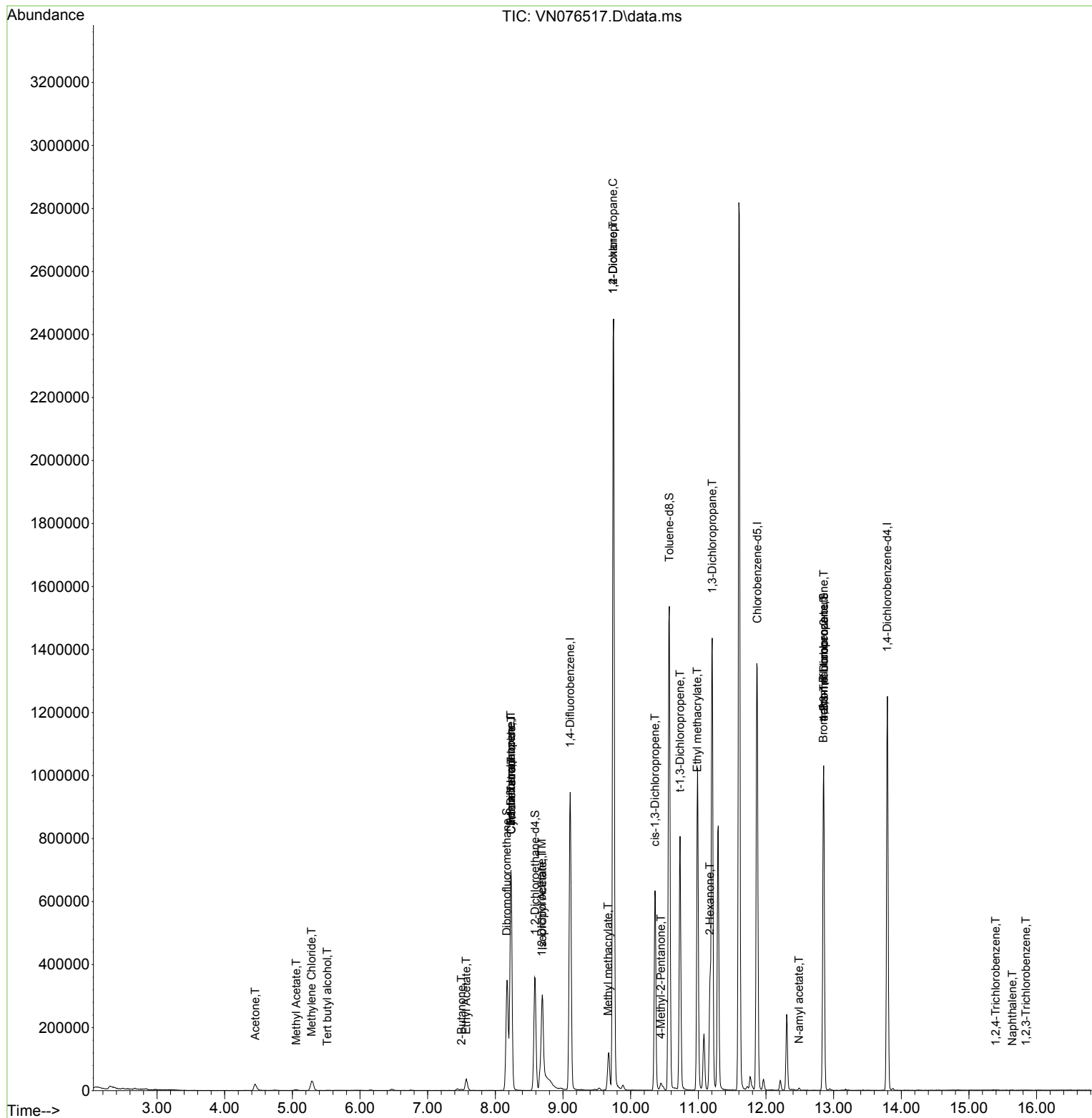
Internal Standards						
1) Pentafluorobenzene	8.230	168	513689	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	865477	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	858887	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	356152	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	304735	52.982	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.960%	
35) Dibromofluoromethane	8.171	113	257328	47.531	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 95.060%	
50) Toluene-d8	10.571	98	1114992	55.766	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 111.540%	
62) 4-Bromofluorobenzene	12.853	95	390728	59.862	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 119.720%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.518	59	642	0.834	ug/l #	72
16) Acetone	4.453	43	39775	21.505	ug/l	98
18) Methyl Acetate	5.059	43	4936	0.790	ug/l	95
20) Methylene Chloride	5.283	84	26562	4.318	ug/l	89
25) 2-Butanone	7.500	43	5670	2.013	ug/l #	84
31) Cyclohexane	8.236	56	10377	1.174	ug/l #	13
36) 1,1-Dichloropropene	8.230	75	39900	5.186	ug/l #	49
37) Ethyl Acetate	7.571	43	51005	8.296	ug/l	97
38) Carbon Tetrachloride	8.236	117	53299	6.213	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	2346	0.298	ug/l #	73
43) Isopropyl Acetate	8.694	43	460831	45.908	ug/l #	74
45) 1,2-Dichloropropane	9.741	63	3523	0.640	ug/l #	42
48) Methyl methacrylate	9.665	41	6802	1.431	ug/l #	32
49) 1,4-Dioxane	9.741	88	578	5.764	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	22971	3.898	ug/l #	78
53) t-1,3-Dichloropropene	10.729	75	2592	0.337	ug/l #	79
54) cis-1,3-Dichloropropene	10.359	75	130546	14.759	ug/l #	59
56) Ethyl methacrylate	10.982	69	3255	0.429	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	17610	1.843	ug/l #	42
59) 2-Hexanone	11.171	43	265037	62.066	ug/l #	21
71) Bromoform	12.847	173	1780	0.365	ug/l #	1
74) N-amyl acetate	12.488	43	2271	0.287	ug/l #	42
76) 1,2,3-Trichloropropane	12.853	75	176816	26.812	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	176816	82.603	ug/l #	11
93) 1,2,4-Trichlorobenzene	15.394	180	179	1.333	ug/l #	40
95) Naphthalene	15.641	128	966	1.889	ug/l #	77
96) 1,2,3-Trichlorobenzene	15.841	180	66	1.165	ug/l #	1

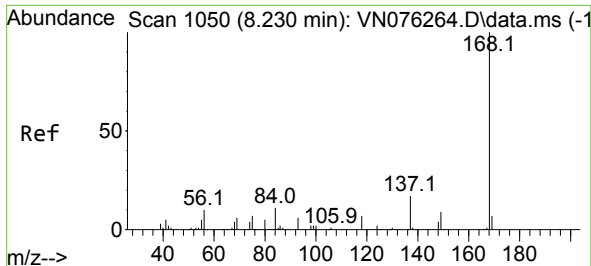
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020223\
Data File : VN076517.D
Acq On : 02 Feb 2023 18:03
Operator : JC\MD
Sample : PB150614ZHE#3
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB150614ZHE#3

Quant Time: Feb 03 01:04:04 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

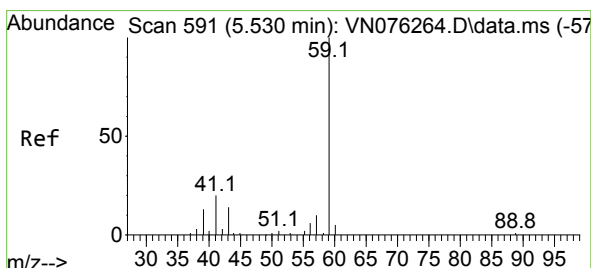
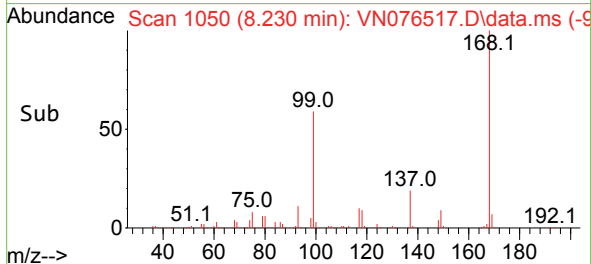
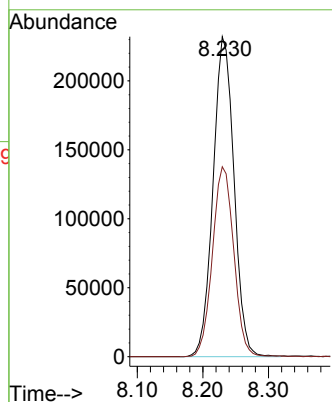
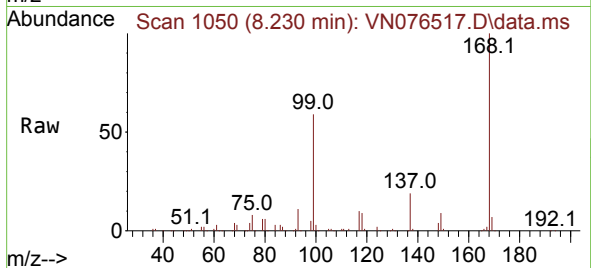




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN076517.D
Acq: 02 Feb 2023 18:03

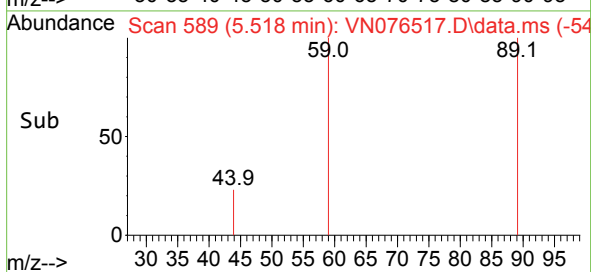
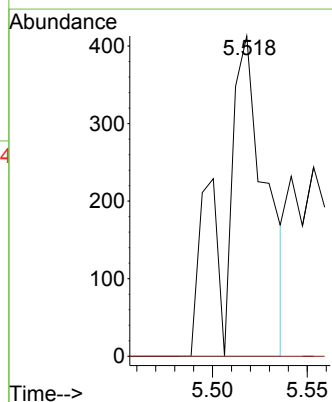
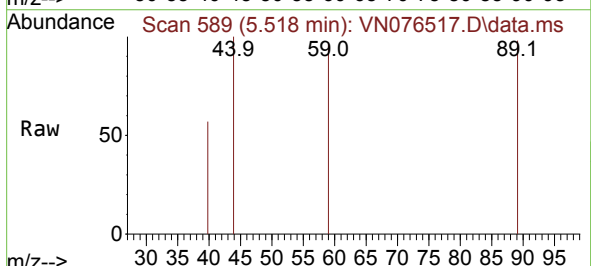
Instrument :
MSVOA_N
ClientSampleId :
PB150614ZHE#3

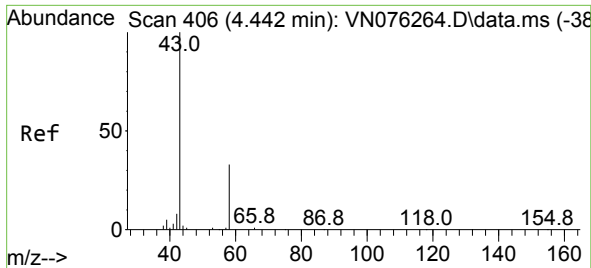
Tgt Ion:168 Resp: 513689
Ion Ratio Lower Upper
168 100
99 59.4 41.6 62.4



#11
Tert butyl alcohol
Concen: 0.834 ug/l
RT: 5.518 min Scan# 589
Delta R.T. -0.012 min
Lab File: VN076517.D
Acq: 02 Feb 2023 18:03

Tgt Ion: 59 Resp: 642
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

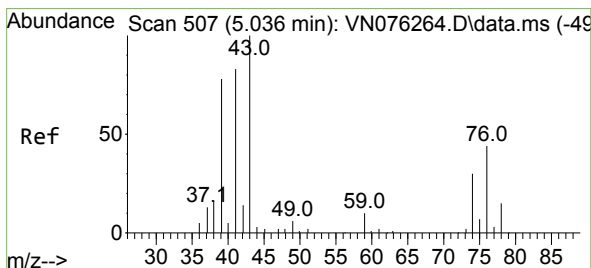
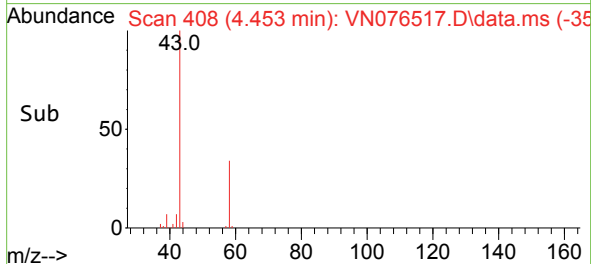
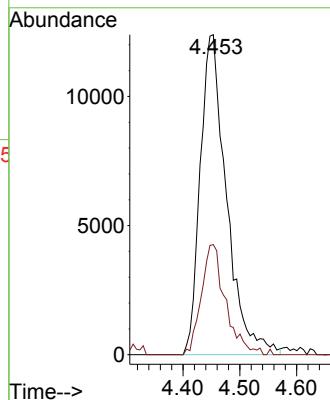
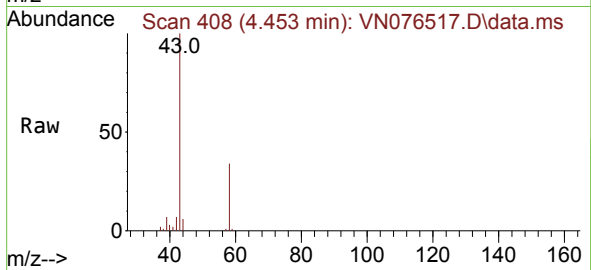




#16
Acetone
Concen: 21.505 ug/l
RT: 4.453 min Scan# 408
Delta R.T. 0.011 min
Lab File: VN076517.D
Acq: 02 Feb 2023 18:03

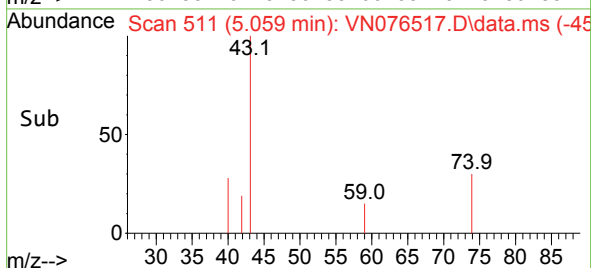
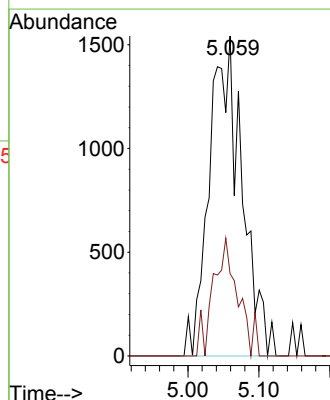
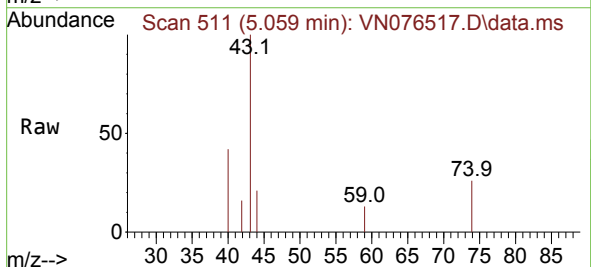
Instrument :
MSVOA_N
ClientSampleId :
PB150614ZHE#3

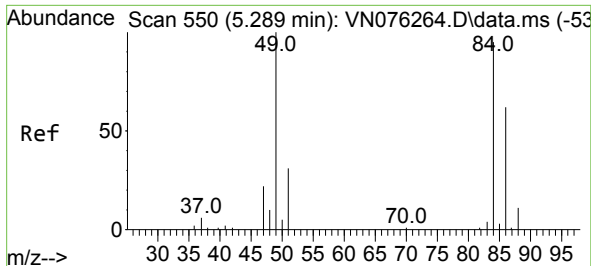
Tgt Ion: 43 Resp: 39775
Ion Ratio Lower Upper
43 100
58 34.4 26.7 40.1



#18
Methyl Acetate
Concen: 0.790 ug/l
RT: 5.059 min Scan# 511
Delta R.T. 0.023 min
Lab File: VN076517.D
Acq: 02 Feb 2023 18:03

Tgt Ion: 43 Resp: 4936
Ion Ratio Lower Upper
43 100
74 26.4 23.3 34.9

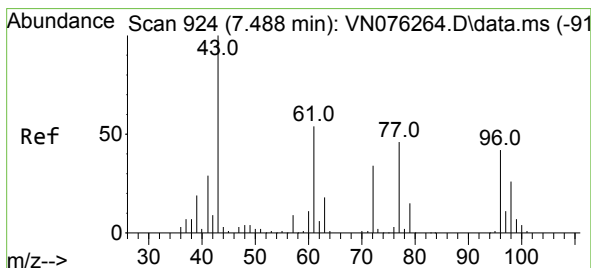
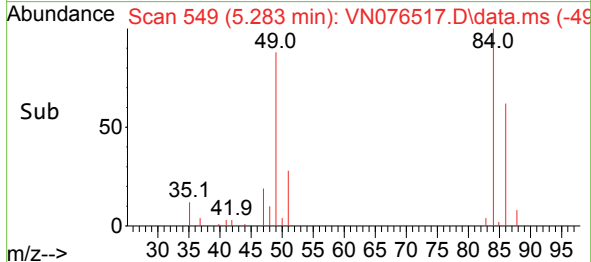
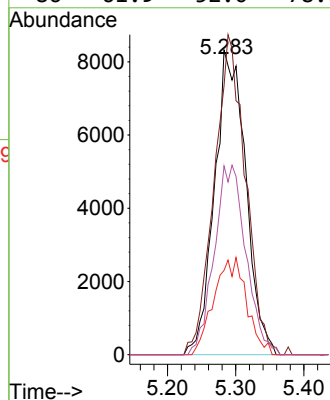
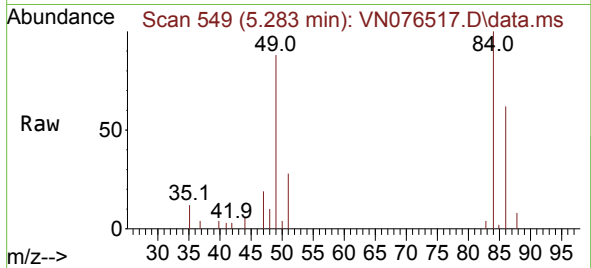




#20
Methylene Chloride
Concen: 4.318 ug/l
RT: 5.283 min Scan# 54
Delta R.T. -0.006 min
Lab File: VN076517.D
Acq: 02 Feb 2023 18:03

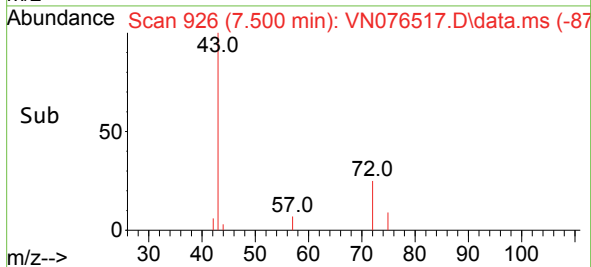
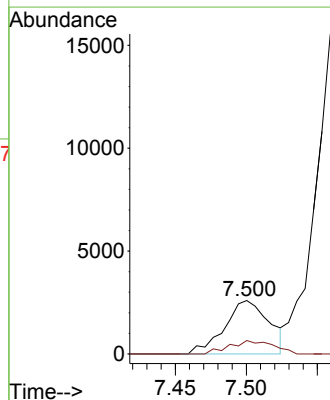
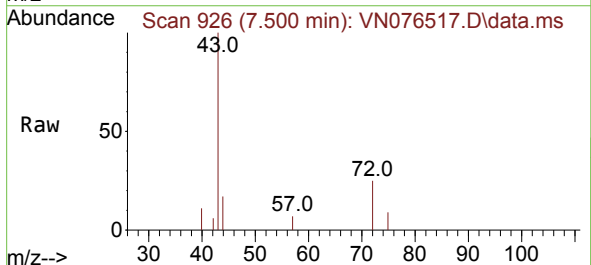
Instrument :
MSVOA_N
ClientSampleId :
PB150614ZHE#3

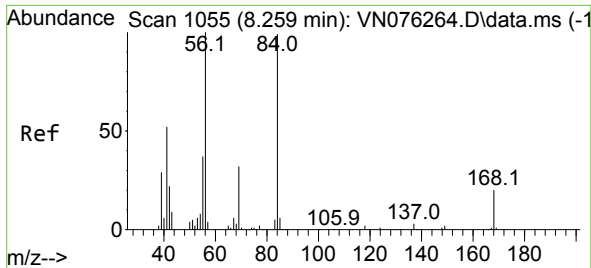
Tgt Ion: 84	Resp: 26562
Ion Ratio	Lower Upper
84 100	
49 88.3	84.5 126.7
51 27.7	26.0 39.0
86 61.9	52.0 78.0



#25
2-Butanone
Concen: 2.013 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.012 min
Lab File: VN076517.D
Acq: 02 Feb 2023 18:03

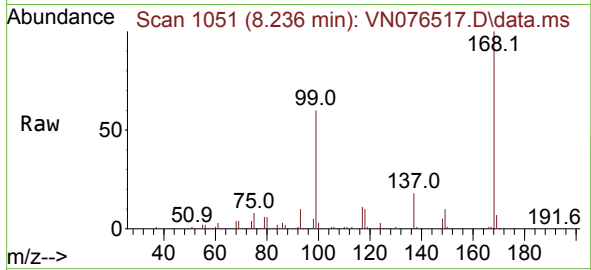
Tgt Ion: 43	Resp: 5670		
Ion Ratio	Lower	Upper	
43 100			
72 25.0	27.4	41.2#	



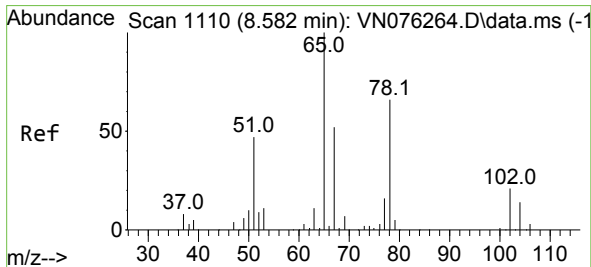
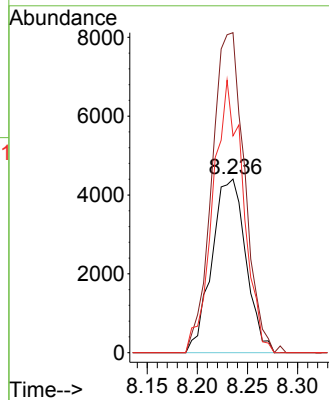
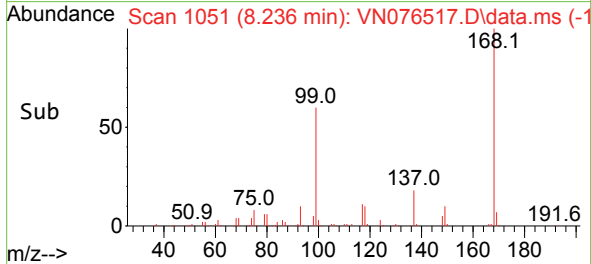


#31
Cyclohexane
Concen: 1.174 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.023 min
Lab File: VN076517.D
Acq: 02 Feb 2023 18:03

Instrument :
MSVOA_N
ClientSampleId :
PB150614ZHE#3

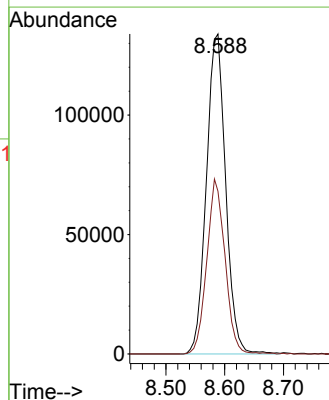
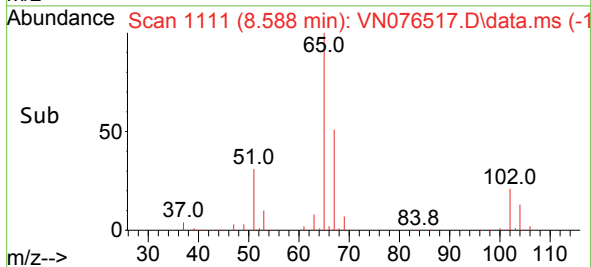
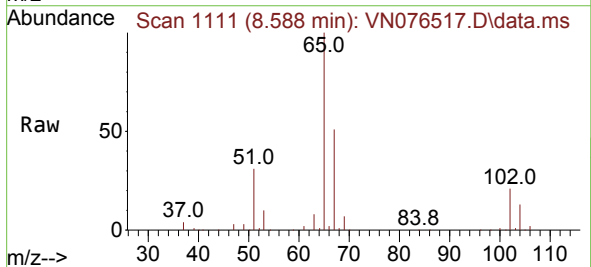


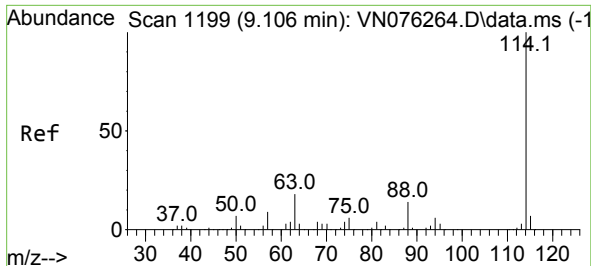
Tgt Ion: 56 Resp: 10377
Ion Ratio Lower Upper
56 100
69 184.3 25.8 38.8#
84 124.9 79.0 118.4#



#33
1,2-Dichloroethane-d4
Concen: 52.982 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. 0.006 min
Lab File: VN076517.D
Acq: 02 Feb 2023 18:03

Tgt Ion: 65 Resp: 304735
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: VN076517.D

Acq: 02 Feb 2023 18:03

Instrument :

MSVOA_N

ClientSampleId :

PB150614ZHE#3

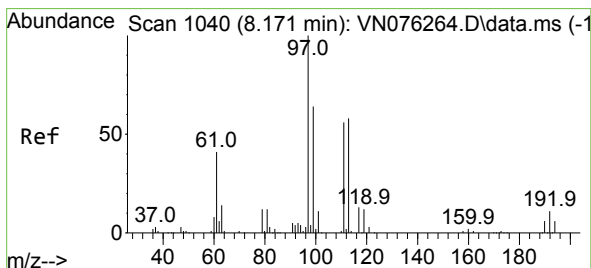
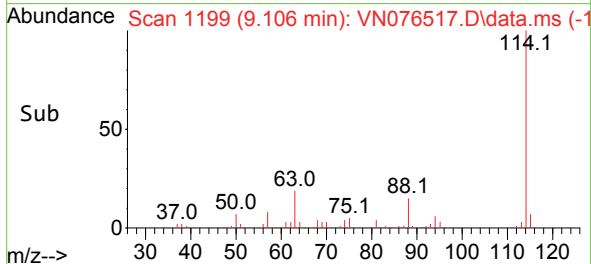
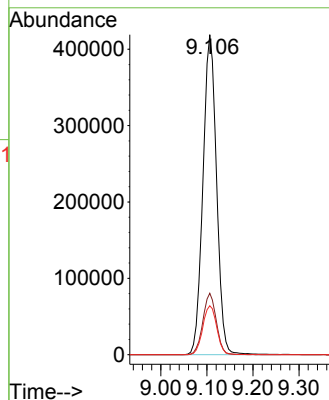
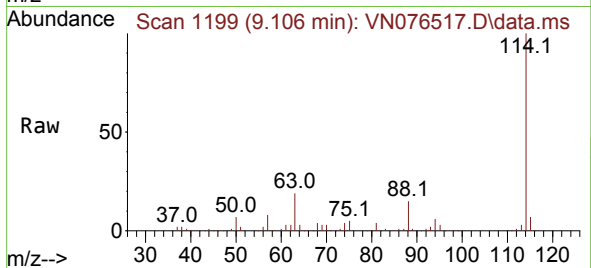
Tgt Ion:114 Resp: 865477

Ion Ratio Lower Upper

114 100

63 19.2 0.0 35.8

88 15.3 0.0 28.0



#35

Dibromofluoromethane

Concen: 47.531 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN076517.D

Acq: 02 Feb 2023 18:03

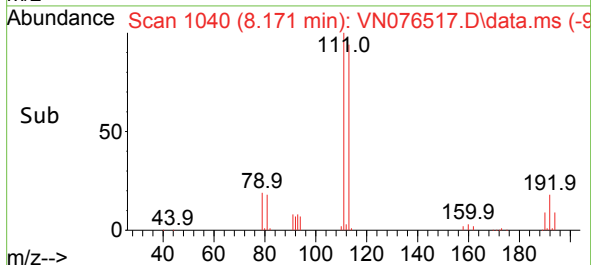
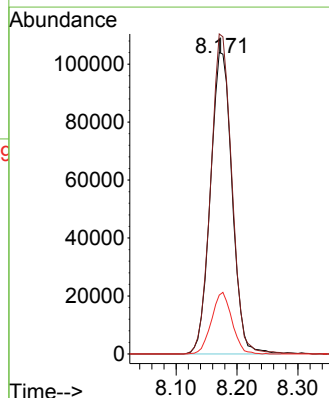
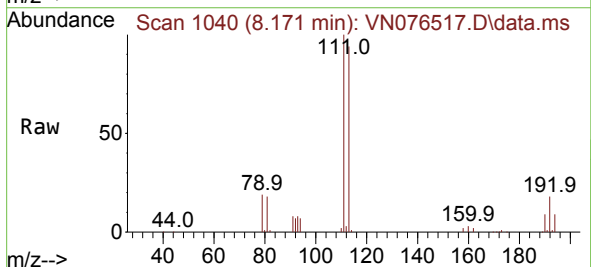
Tgt Ion:113 Resp: 257328

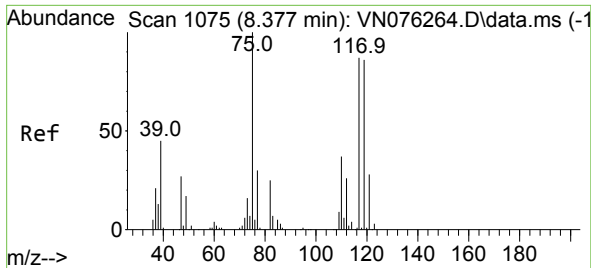
Ion Ratio Lower Upper

113 100

111 103.7 82.7 124.1

192 19.3 15.6 23.4

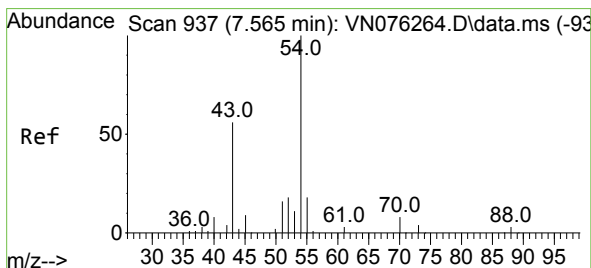
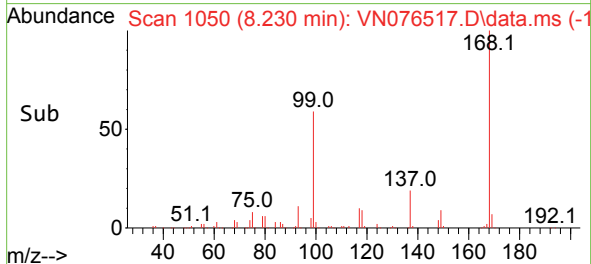
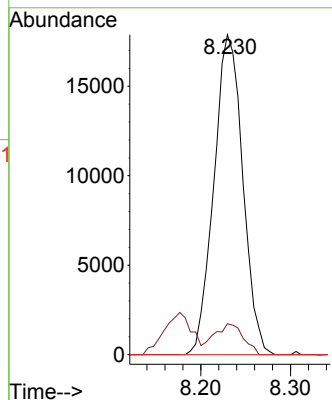
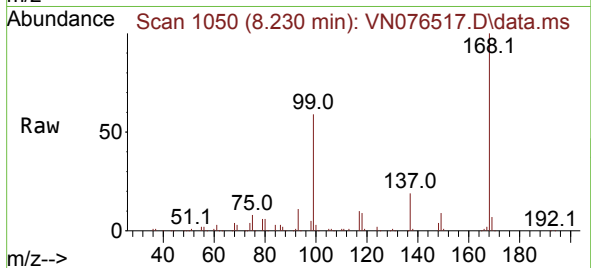




#36
1,1-Dichloropropene
Concen: 5.186 ug/l
RT: 8.230 min Scan# 1075
Delta R.T. -0.147 min
Lab File: VN076517.D
Acq: 02 Feb 2023 18:03

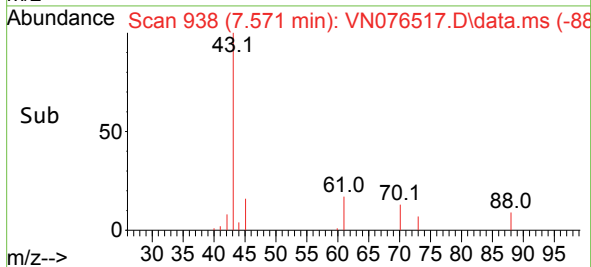
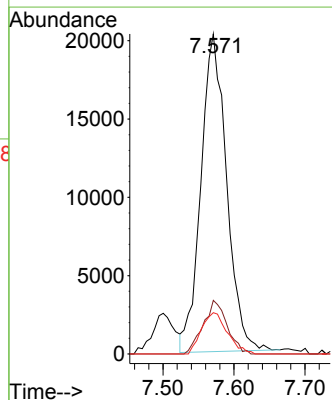
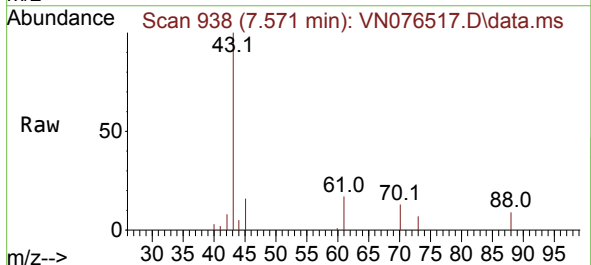
Instrument :
MSVOA_N
ClientSampleId :
PB150614ZHE#3

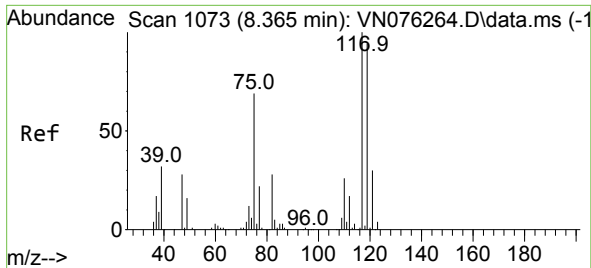
Tgt Ion: 75 Resp: 39900
Ion Ratio Lower Upper
75 100
110 9.9 18.8 56.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 8.296 ug/l
RT: 7.571 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN076517.D
Acq: 02 Feb 2023 18:03

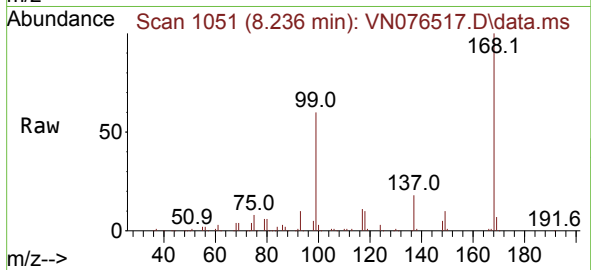
Tgt Ion: 43 Resp: 51005
Ion Ratio Lower Upper
43 100
61 15.7 11.1 16.7
70 13.1 10.0 15.0



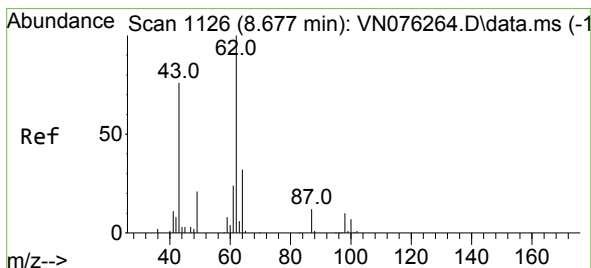
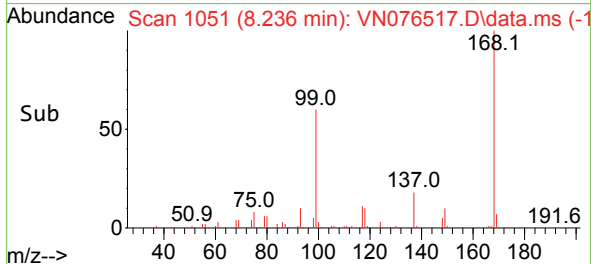
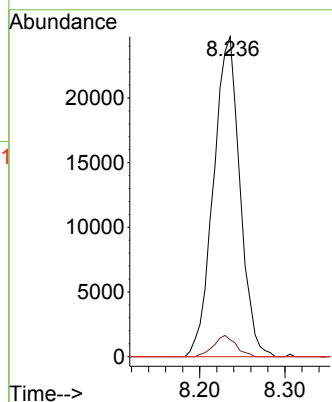


#38
Carbon Tetrachloride
Concen: 6.213 ug/l
RT: 8.236 min Scan# 1107
Delta R.T. -0.129 min
Lab File: VN076517.D
Acq: 02 Feb 2023 18:03

Instrument :
MSVOA_N
ClientSampleId :
PB150614ZHE#3

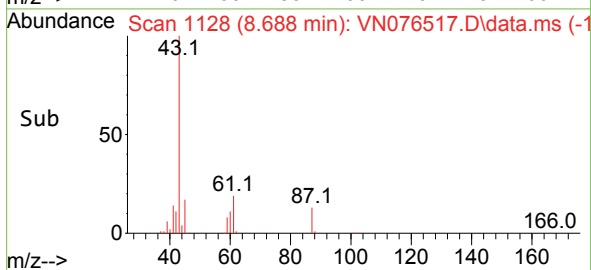
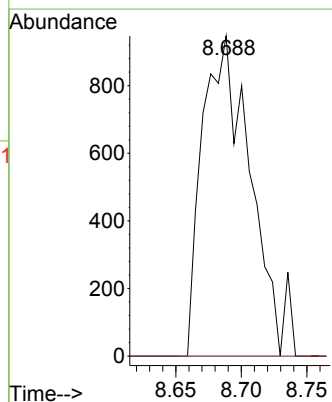
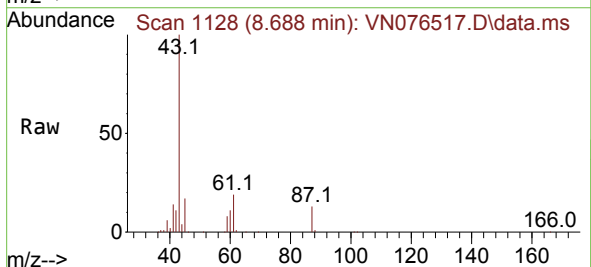


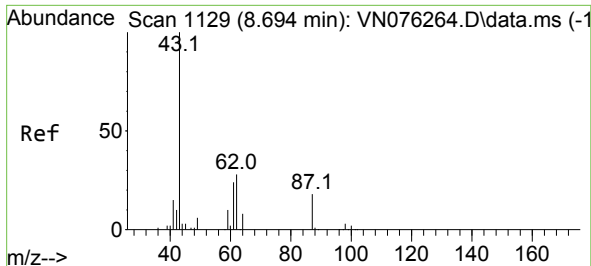
Tgt Ion:117 Resp: 53299
Ion Ratio Lower Upper
117 100
119 5.3 75.4 113.0#
121 0.0 24.2 36.2#



#42
1,2-Dichloroethane
Concen: 0.298 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. 0.011 min
Lab File: VN076517.D
Acq: 02 Feb 2023 18:03

Tgt Ion: 62 Resp: 2346
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.4

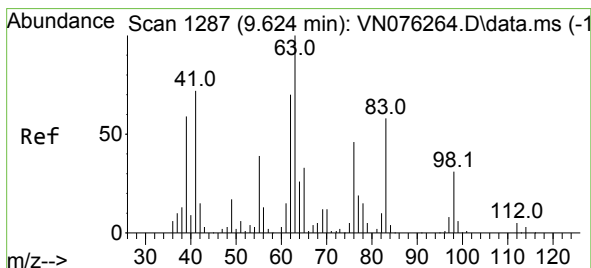
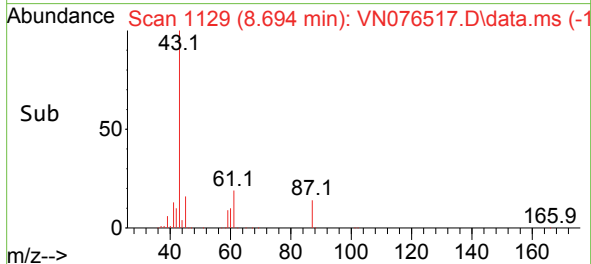
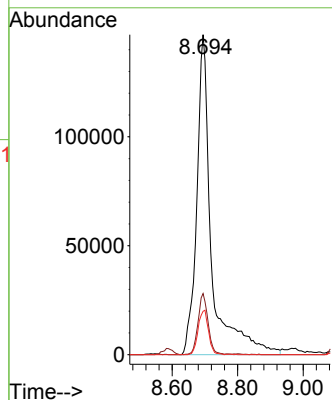
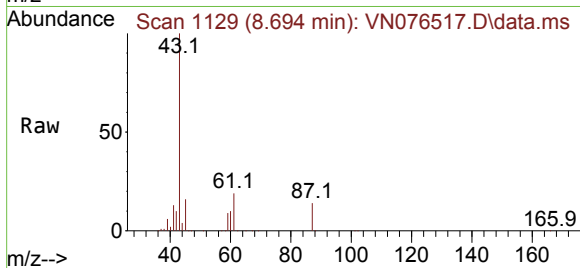




#43
Isopropyl Acetate
Concen: 45.908 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN076517.D
Acq: 02 Feb 2023 18:03

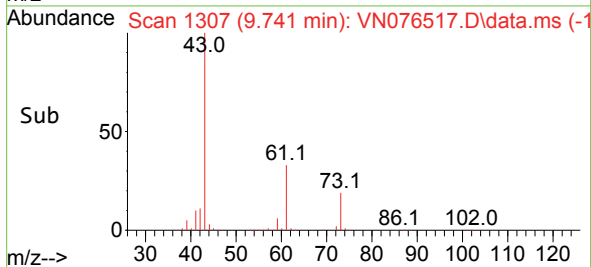
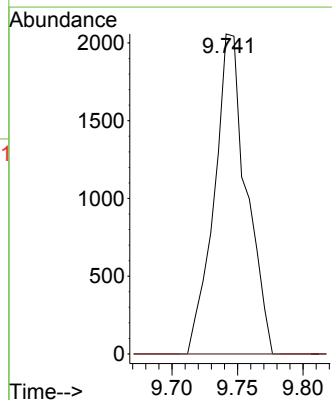
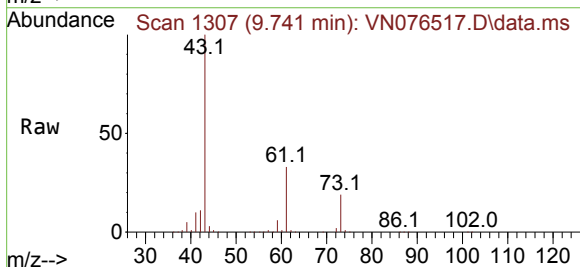
Instrument :
MSVOA_N
ClientSampleId :
PB150614ZHE#3

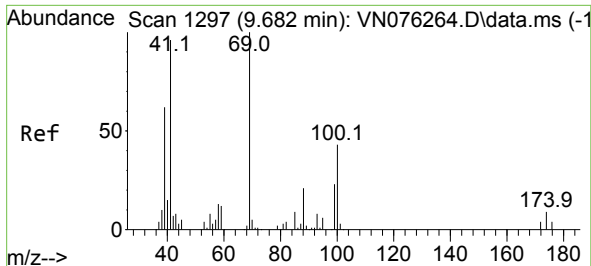
Tgt Ion: 43 Resp: 460831
Ion Ratio Lower Upper
43 100
61 13.1 23.5 35.3#
87 9.7 13.8 20.6#



#45
1,2-Dichloropropane
Concen: 0.640 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.117 min
Lab File: VN076517.D
Acq: 02 Feb 2023 18:03

Tgt Ion: 63 Resp: 3523
Ion Ratio Lower Upper
63 100
65 0.0 26.4 39.6#





#48

Methyl methacrylate

Concen: 1.431 ug/l

RT: 9.665 min Scan# 11

Delta R.T. -0.017 min

Lab File: VN076517.D

Acq: 02 Feb 2023 18:03

Instrument :

MSVOA_N

ClientSampleId :

PB150614ZHE#3

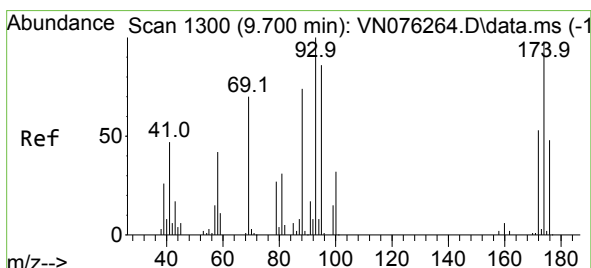
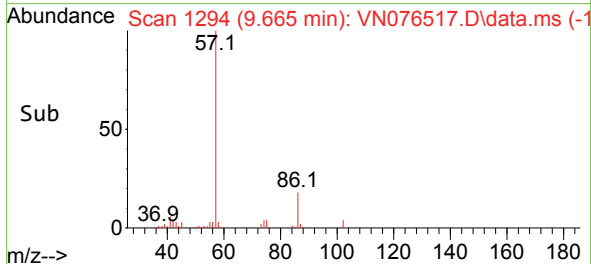
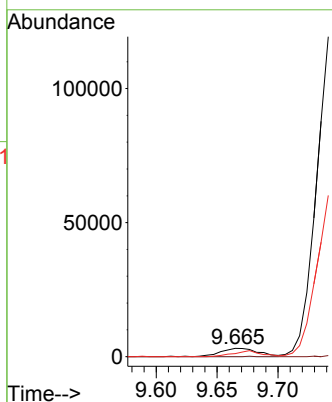
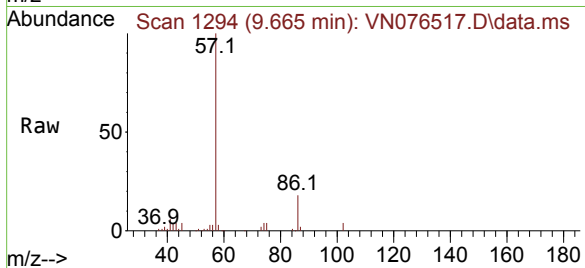
Tgt Ion: 41 Resp: 6802

Ion Ratio Lower Upper

41 100

69 0.8 80.8 121.2#

39 51.9 54.4 81.6#



#49

1,4-Dioxane

Concen: 5.764 ug/l

RT: 9.741 min Scan# 1307

Delta R.T. 0.041 min

Lab File: VN076517.D

Acq: 02 Feb 2023 18:03

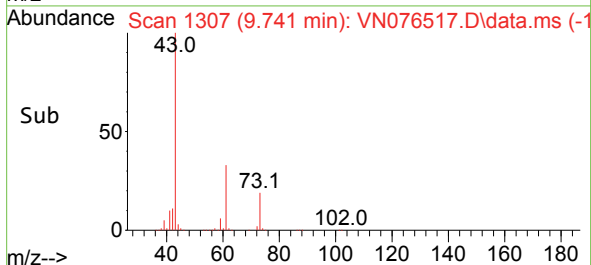
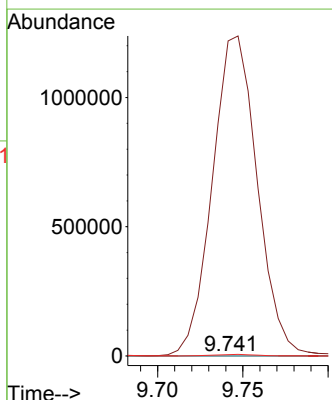
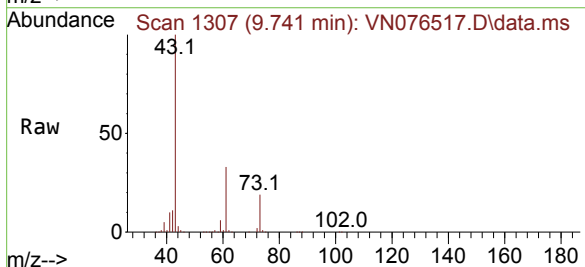
Tgt Ion: 88 Resp: 578

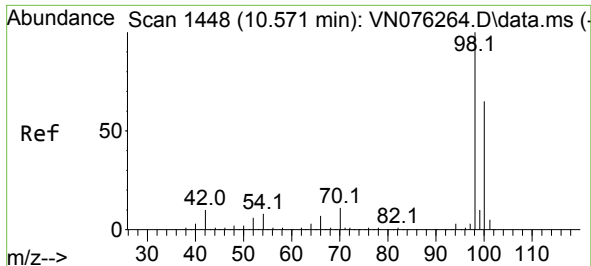
Ion Ratio Lower Upper

88 100

43 395957.8 18.1 27.1#

58 1798.1 46.5 69.7#

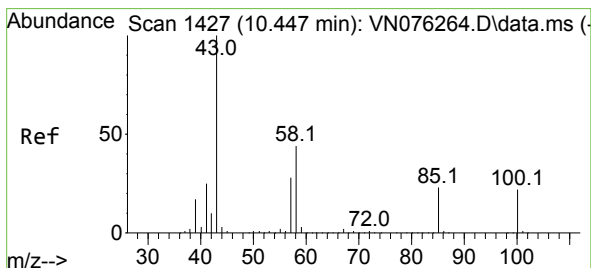
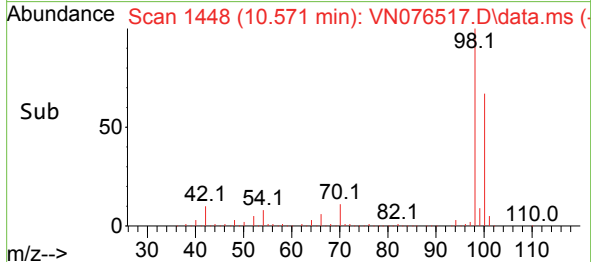
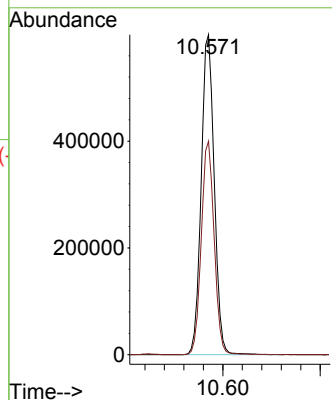
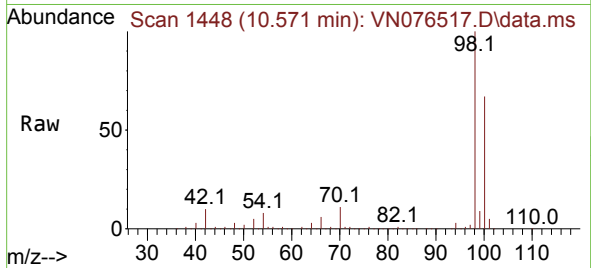




#50
Toluene-d8
Concen: 55.766 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076517.D
Acq: 02 Feb 2023 18:03

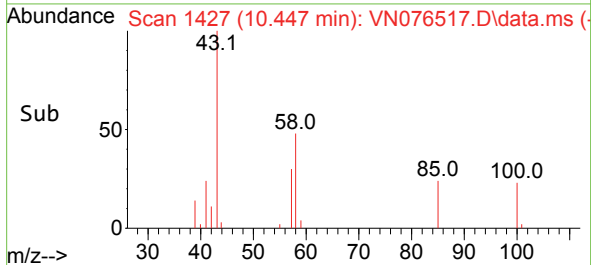
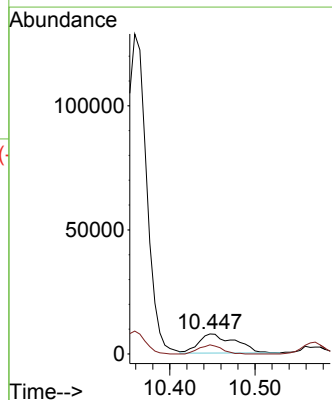
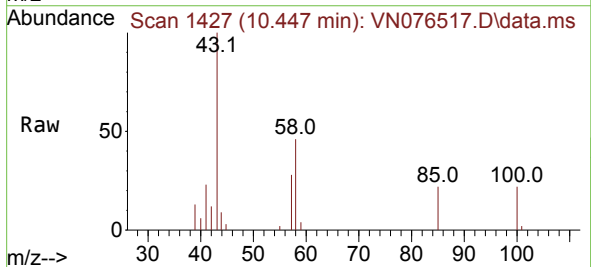
Instrument :
MSVOA_N
ClientSampleId :
PB150614ZHE#3

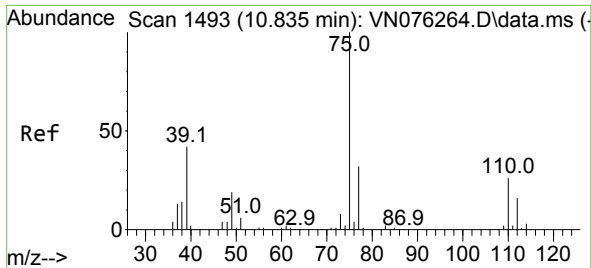
Tgt Ion: 98 Resp: 1114992
Ion Ratio Lower Upper
98 100
100 66.0 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 3.898 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN076517.D
Acq: 02 Feb 2023 18:03

Tgt Ion: 43 Resp: 22971
Ion Ratio Lower Upper
43 100
58 29.7 35.1 52.7#

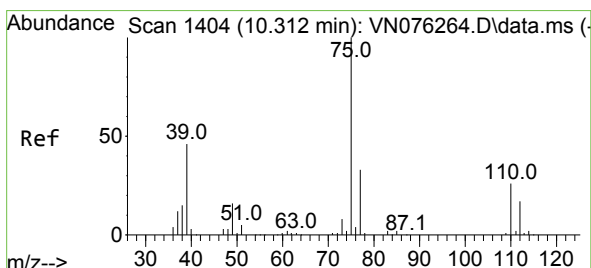
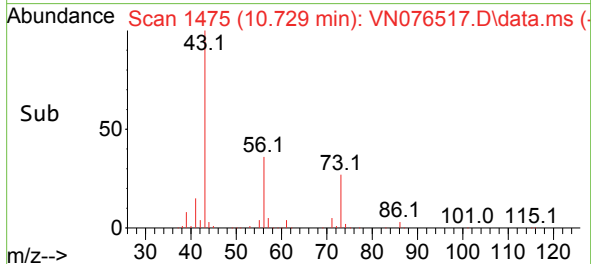
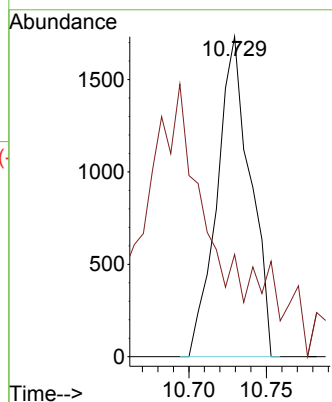
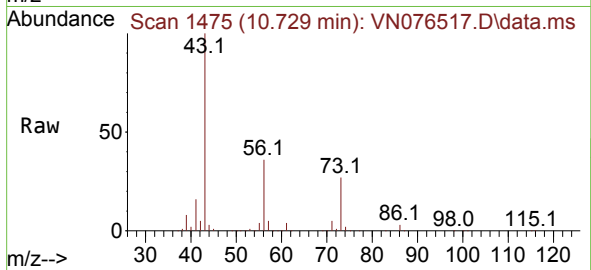




#53
 t-1,3-Dichloropropene
 Concen: 0.337 ug/l
 RT: 10.729 min Scan# 1412
 Delta R.T. -0.106 min
 Lab File: VN076517.D
 Acq: 02 Feb 2023 18:03

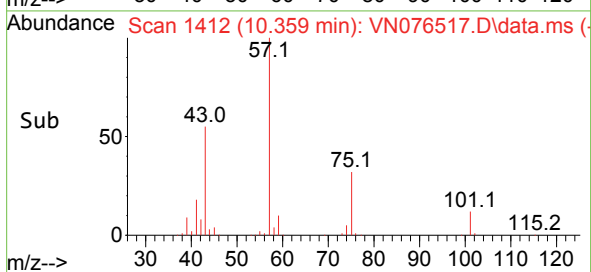
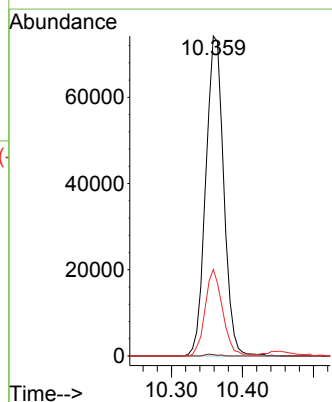
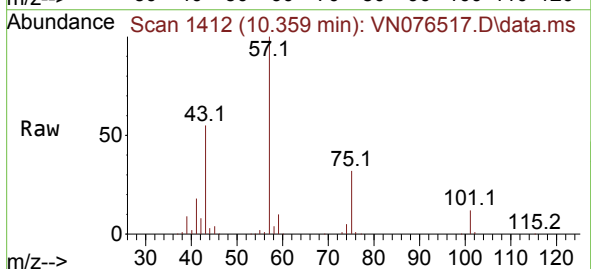
Instrument :
 MSVOA_N
 ClientSampleId :
 PB150614ZHE#3

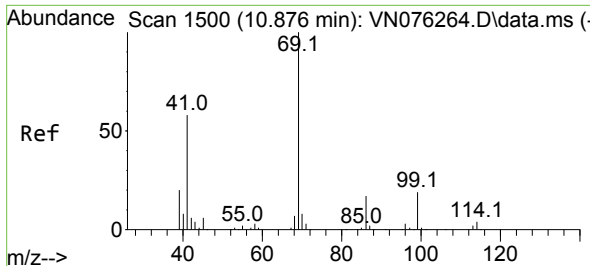
Tgt Ion: 75 Resp: 2592
 Ion Ratio Lower Upper
 75 100
 77 20.7 25.8 38.6#



#54
 cis-1,3-Dichloropropene
 Concen: 14.759 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN076517.D
 Acq: 02 Feb 2023 18:03

Tgt Ion: 75 Resp: 130546
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.5 39.7#
 39 27.1 37.1 55.7#

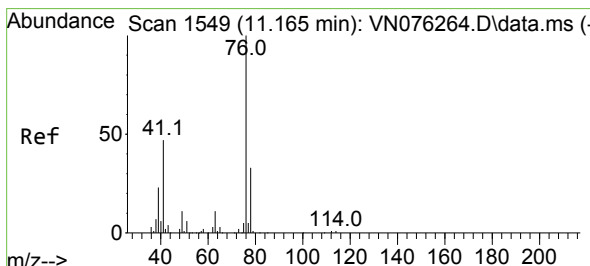
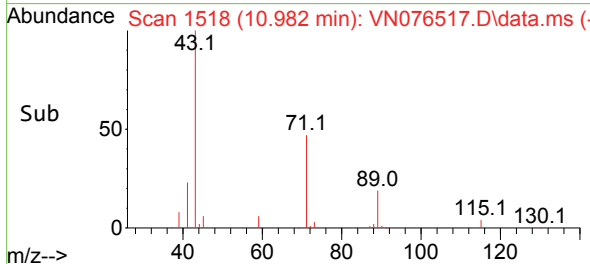
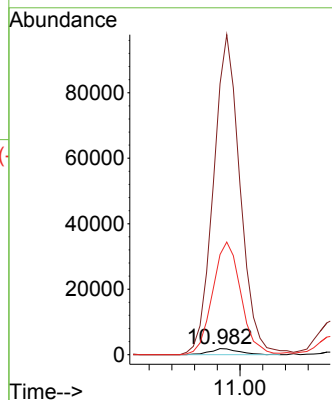
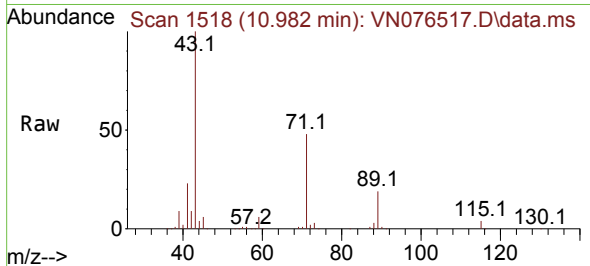




#56
Ethyl methacrylate
Concen: 0.429 ug/l
RT: 10.982 min Scan# 1518
Delta R.T. 0.106 min
Lab File: VN076517.D
Acq: 02 Feb 2023 18:03

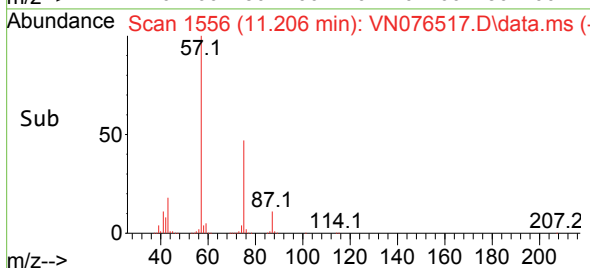
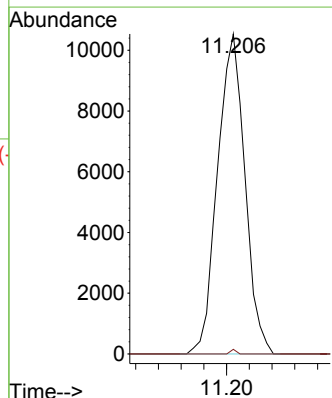
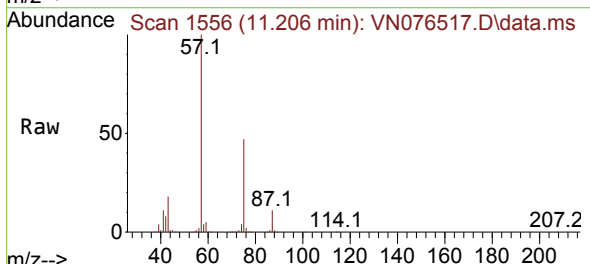
Instrument :
MSVOA_N
ClientSampleId :
PB150614ZHE#3

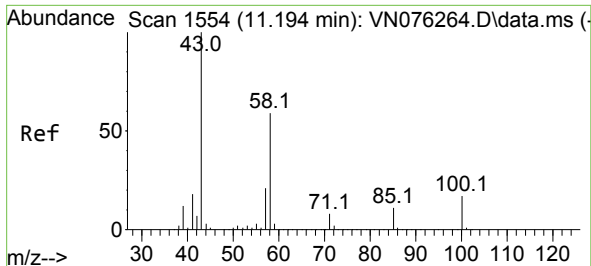
Tgt Ion: 69 Resp: 3255
Ion Ratio Lower Upper
69 100
41 4913.1 45.3 67.9#
39 1829.5 29.3 43.9#



#57
1,3-Dichloropropane
Concen: 1.843 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN076517.D
Acq: 02 Feb 2023 18:03

Tgt Ion: 76 Resp: 17610
Ion Ratio Lower Upper
76 100
78 0.3 26.4 39.6#

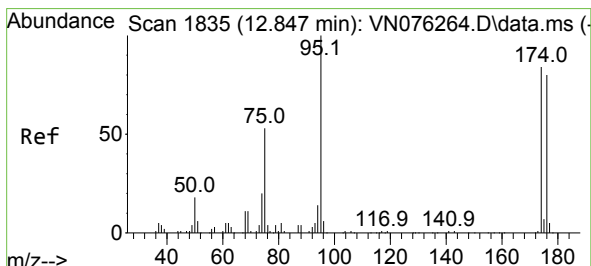
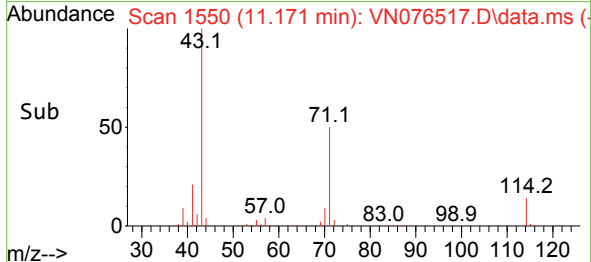
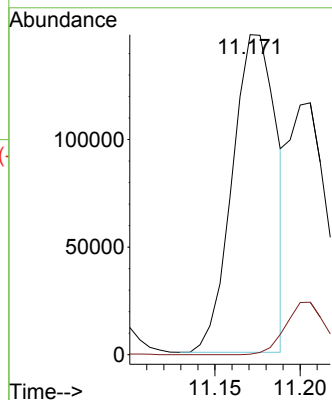
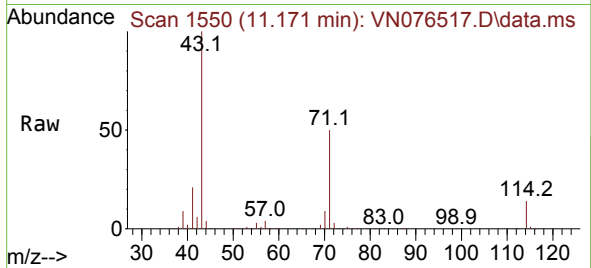




#59
2-Hexanone
Concen: 62.066 ug/l
RT: 11.171 min Scan# 1115
Delta R.T. -0.023 min
Lab File: VN076517.D
Acq: 02 Feb 2023 18:03

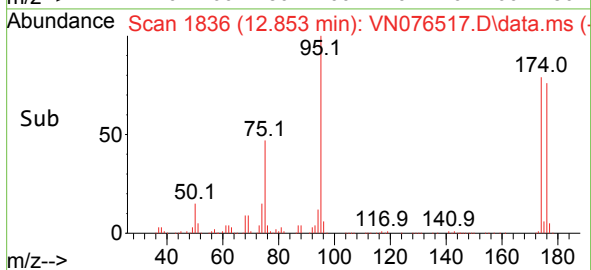
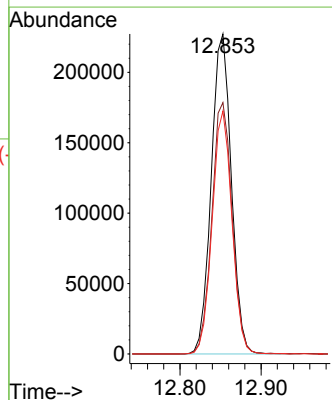
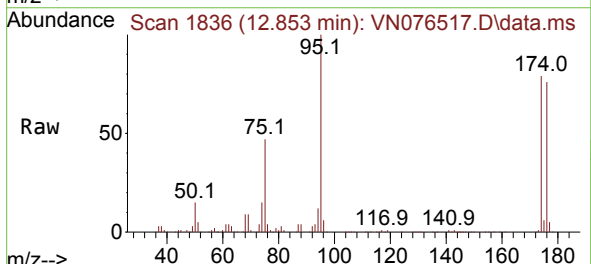
Instrument :
MSVOA_N
ClientSampleId :
PB150614ZHE#3

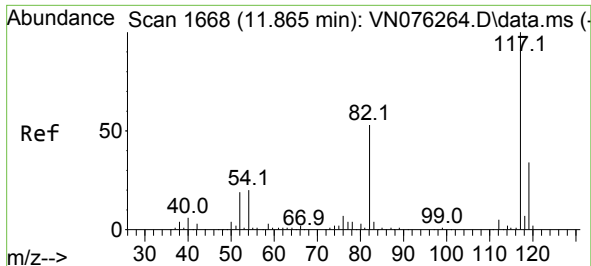
Tgt Ion: 43 Resp: 265037
Ion Ratio Lower Upper
43 100
58 0.0 30.1 90.3#



#62
4-Bromofluorobenzene
Concen: 59.862 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076517.D
Acq: 02 Feb 2023 18:03

Tgt Ion: 95 Resp: 390728
Ion Ratio Lower Upper
95 100
174 79.5 0.0 174.6
176 74.7 0.0 167.8

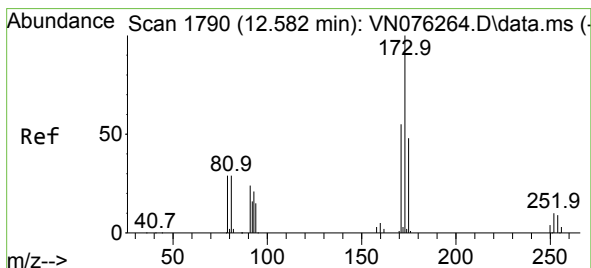
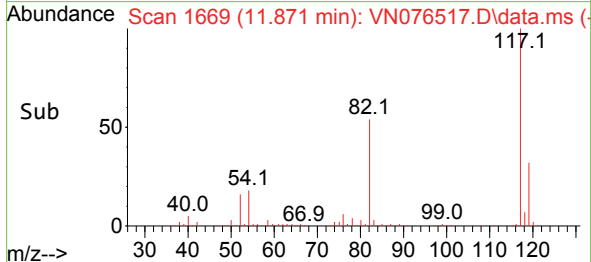
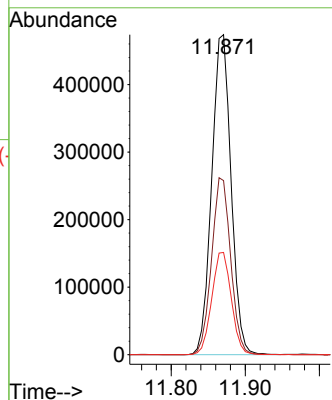
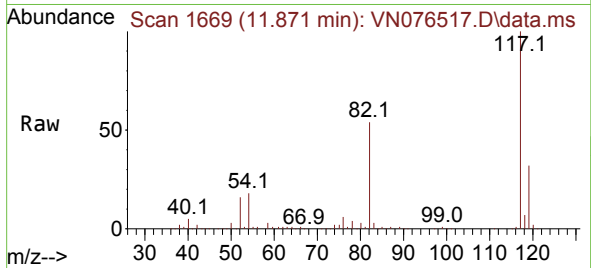




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN076517.D
Acq: 02 Feb 2023 18:03

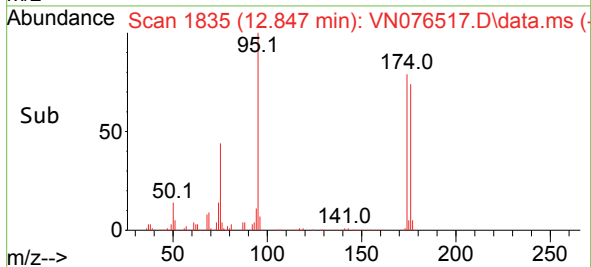
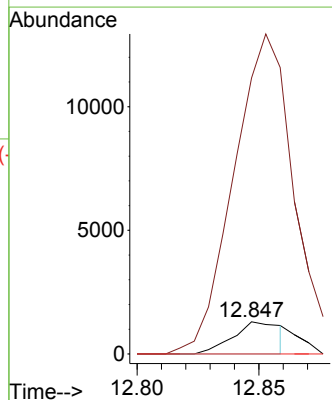
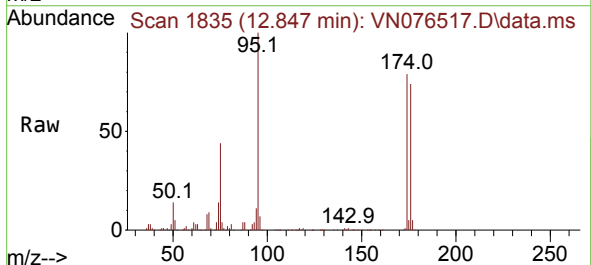
Instrument :
MSVOA_N
ClientSampleId :
PB150614ZHE#3

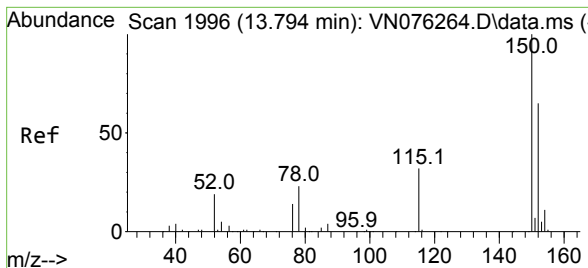
Tgt Ion:117 Resp: 858887
Ion Ratio Lower Upper
117 100
82 54.4 42.2 63.2
119 32.0 26.9 40.3



#71
Bromoform
Concen: 0.365 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN076517.D
Acq: 02 Feb 2023 18:03

Tgt Ion:173 Resp: 1780
Ion Ratio Lower Upper
173 100
175 1017.4 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: VN076517.D

Acq: 02 Feb 2023 18:03

Instrument :

MSVOA_N

ClientSampleId :

PB150614ZHE#3

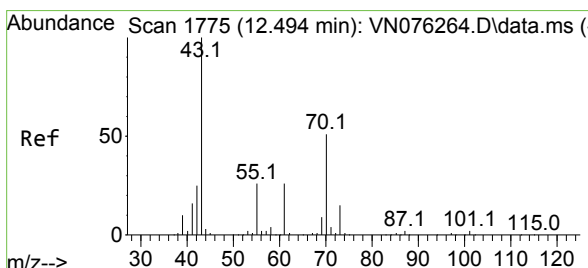
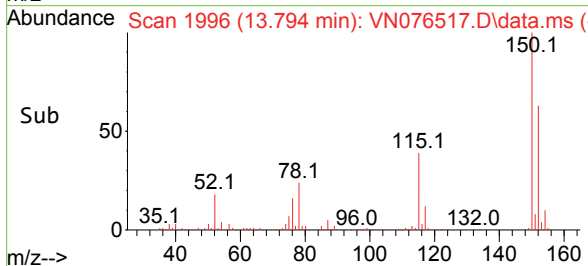
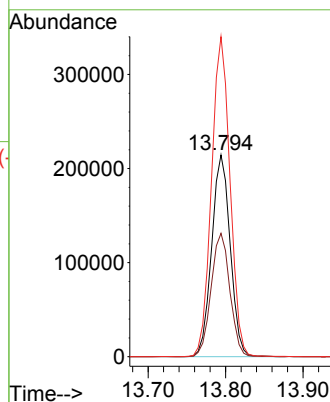
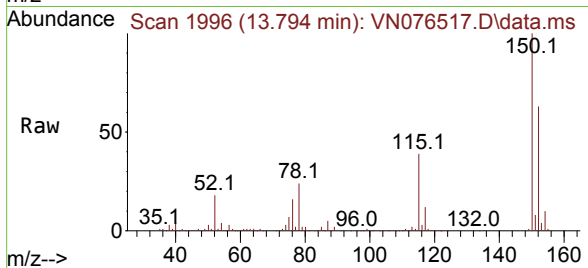
Tgt Ion:152 Resp: 356152

Ion Ratio Lower Upper

152 100

115 61.9 29.6 88.9

150 158.4 0.0 351.4



#74

N-ethyl acetate

Concen: 0.287 ug/l

RT: 12.488 min Scan# 1774

Delta R.T. -0.006 min

Lab File: VN076517.D

Acq: 02 Feb 2023 18:03

Tgt Ion: 43 Resp: 2271

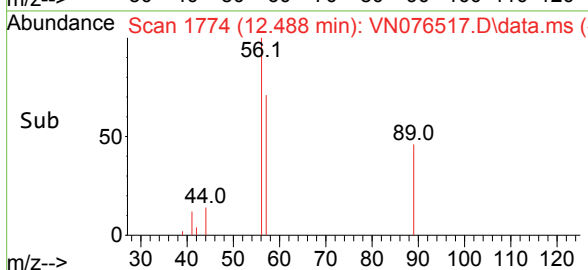
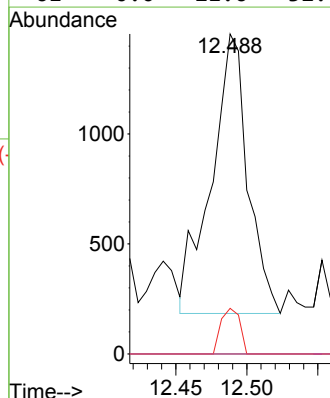
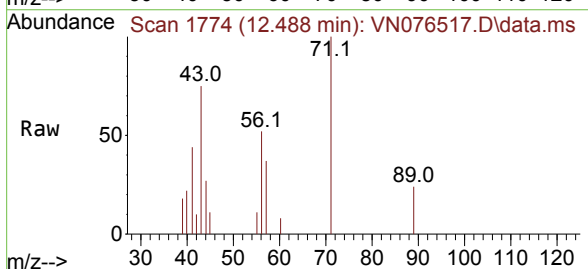
Ion Ratio Lower Upper

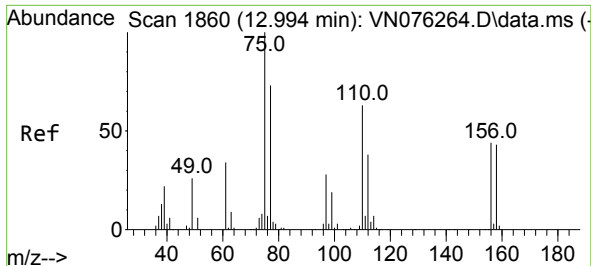
43 100

70 0.0 41.2 61.8#

55 8.5 21.0 31.6#

61 0.0 21.6 32.4#

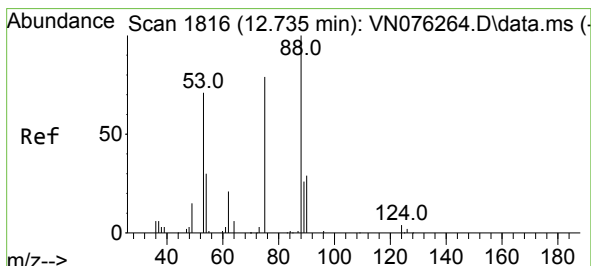
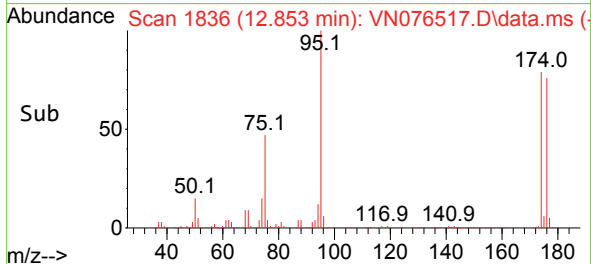
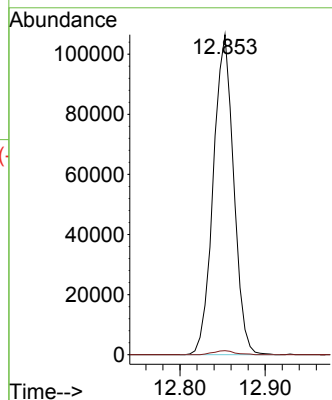
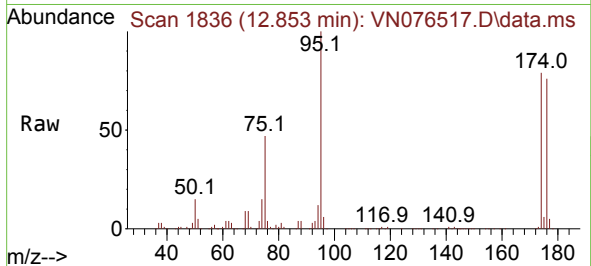




#76
1,2,3-Trichloropropane
Concen: 26.812 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076517.D
Acq: 02 Feb 2023 18:03

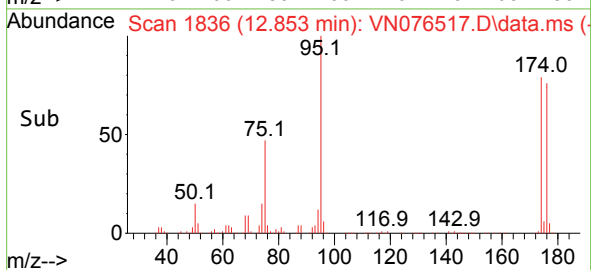
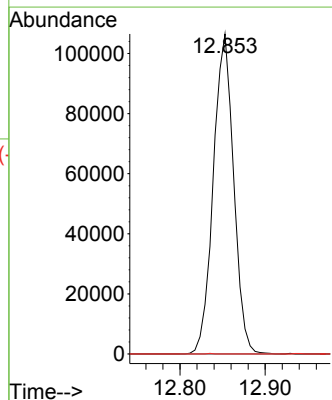
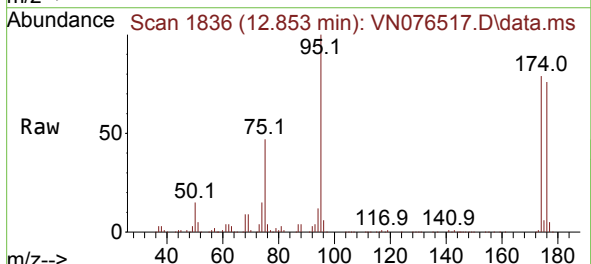
Instrument :
MSVOA_N
ClientSampleId :
PB150614ZHE#3

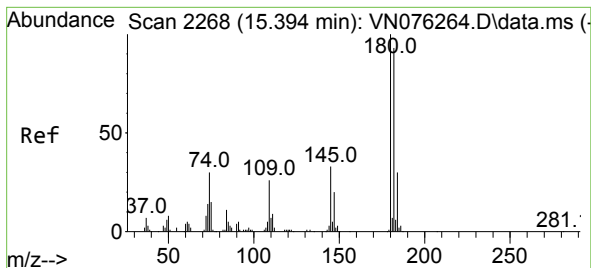
Tgt Ion: 75 Resp: 176816
Ion Ratio Lower Upper
75 100
77 1.3 75.2 225.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.603 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN076517.D
Acq: 02 Feb 2023 18:03

Tgt Ion: 75 Resp: 176816
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: 1.333 ug/l

RT: 15.394 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN076517.D

Acq: 02 Feb 2023 18:03

Instrument :

MSVOA_N

ClientSampleId :

PB150614ZHE#3

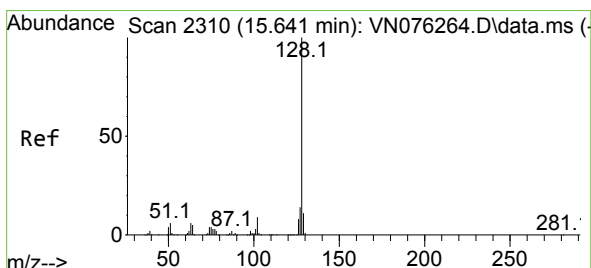
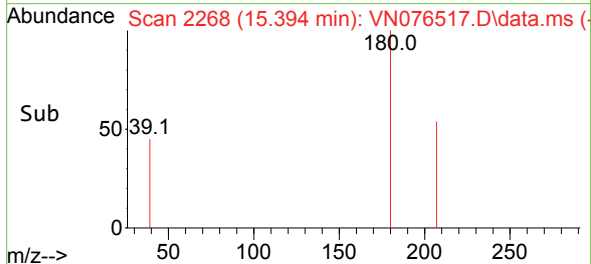
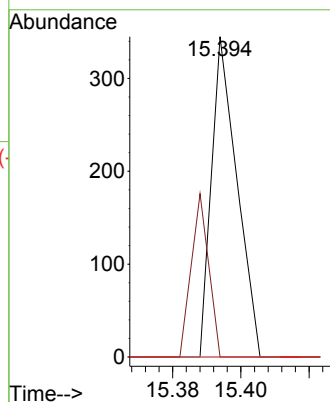
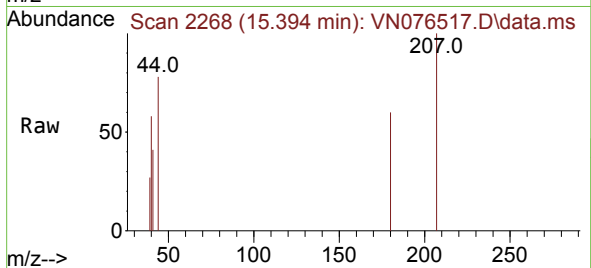
Tgt Ion:180 Resp: 179

Ion Ratio Lower Upper

180 100

182 34.6 47.0 141.2#

145 0.0 15.2 45.5#



#95

Naphthalene

Concen: 1.889 ug/l

RT: 15.641 min Scan# 2310

Delta R.T. -0.000 min

Lab File: VN076517.D

Acq: 02 Feb 2023 18:03

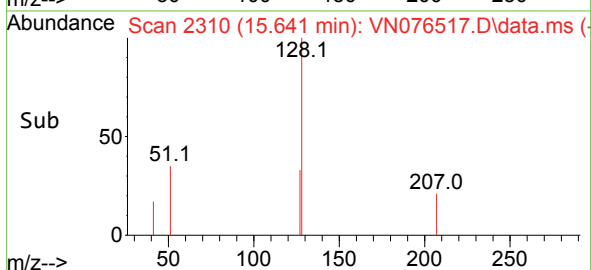
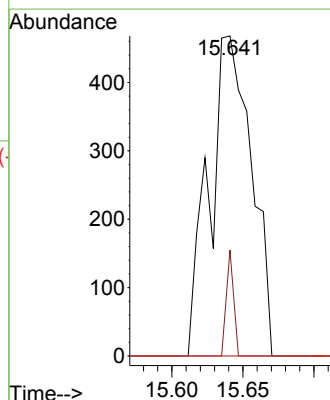
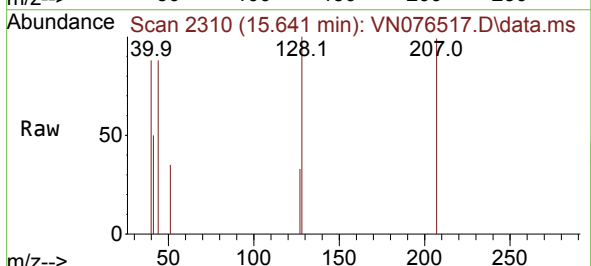
Tgt Ion:128 Resp: 966

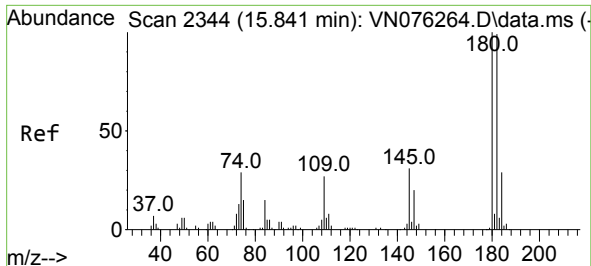
Ion Ratio Lower Upper

128 100

127 5.7 10.3 15.5#

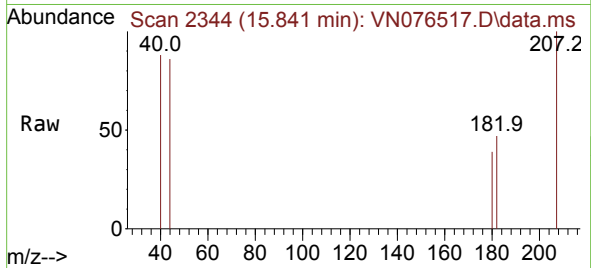
129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.165 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN076517.D
 Acq: 02 Feb 2023 18:03

Instrument :
 MSVOA_N
 ClientSampleId :
 PB150614ZHE#3



Tgt Ion:180 Resp: 66
 Ion Ratio Lower Upper
 180 100
 182 225.8 47.5 142.5#
 145 0.0 15.9 47.6#

