

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010923\
 Data File : VN076161.D
 Acq On : 09 Jan 2023 17:16
 Operator : JC\MD
 Sample : 01069-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-7

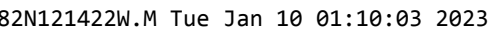
Quant Time: Jan 10 01:09:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

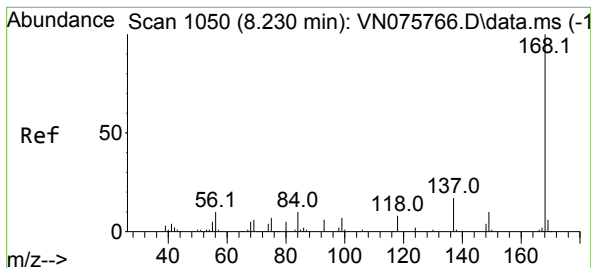
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	306061	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	507554	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	454829	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	188733	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	169089	50.783	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.560%	
35) Dibromofluoromethane	8.171	113	152329	48.463	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.920%	
50) Toluene-d8	10.571	98	595244	50.650	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.300%	
62) 4-Bromofluorobenzene	12.853	95	188676	48.473	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.940%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.495	59	721	1.530	ug/l #	72
16) Acetone	4.448	43	33124	28.859	ug/l	95
18) Methyl Acetate	5.042	43	3494	1.030	ug/l	99
20) Methylene Chloride	5.289	84	6899	1.627	ug/l	96
25) 2-Butanone	7.494	43	9036	5.622	ug/l	96
29) Tetrahydrofuran	7.842	42	423	0.420	ug/l #	40
31) Cyclohexane	8.230	56	6297	1.320	ug/l #	22
36) 1,1-Dichloropropene	8.230	75	23602	5.653	ug/l #	49
37) Ethyl Acetate	7.571	43	31041	9.255	ug/l	100
38) Carbon Tetrachloride	8.230	117	31058	6.646	ug/l #	16
43) Isopropyl Acetate	8.694	43	331156	59.856	ug/l #	70
45) 1,2-Dichloropropane	9.747	63	1803	0.575	ug/l #	43
48) Methyl methacrylate	9.741	41	130983	52.565	ug/l #	33
49) 1,4-Dioxane	9.747	88	184	3.004	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	14016	4.189	ug/l #	72
52) Toluene	10.635	92	1704	0.203	ug/l	88
54) cis-1,3-Dichloropropene	10.359	75	62326	12.718	ug/l #	64
56) Ethyl methacrylate	10.982	69	1281	0.293	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	7717	1.429	ug/l #	42
59) 2-Hexanone	11.171	43	125686	51.510	ug/l #	20
71) Bromoform	12.853	173	1880	0.747	ug/l #	1
74) N-amyl acetate	12.488	43	2292	0.573	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	99362	26.118	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	99362	94.011	ug/l #	12
95) Naphthalene	15.653	128	659	2.239	ug/l #	69

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

Quant Time: Jan 10 01:09:50 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

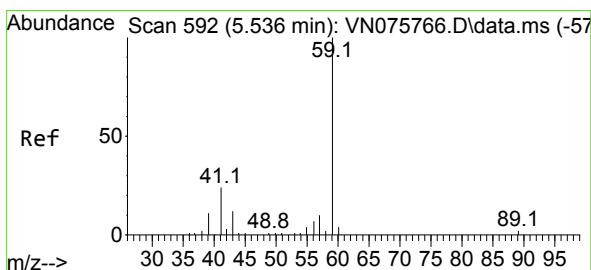
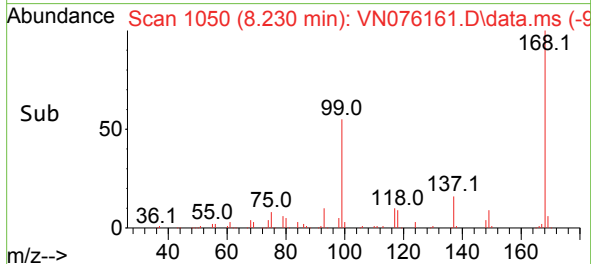
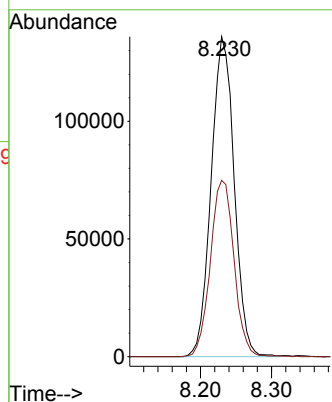
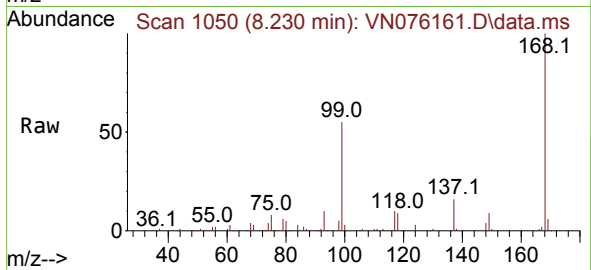




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN076161.D
Acq: 09 Jan 2023 17:16

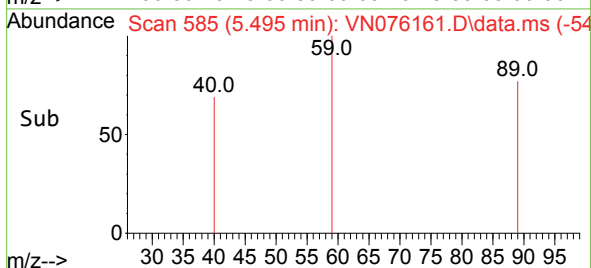
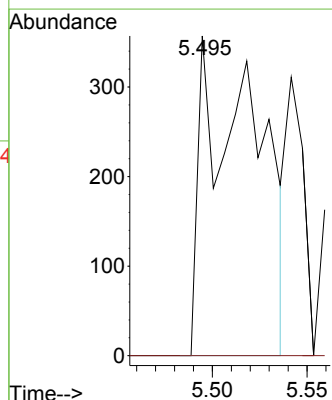
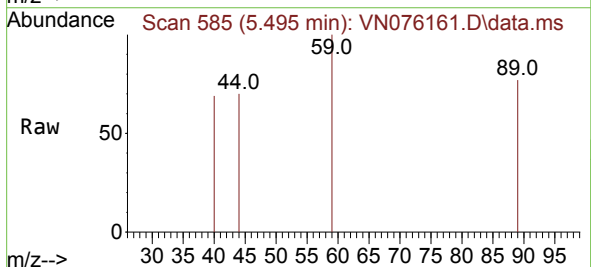
Instrument :
MSVOA_N
ClientSampleId :
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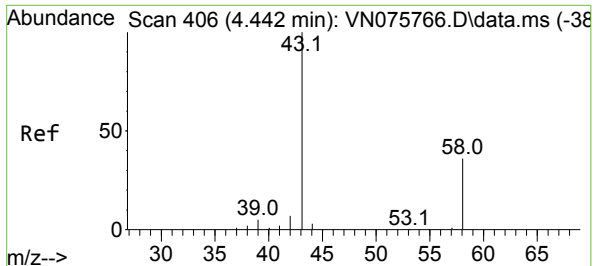
Tgt Ion:168 Resp: 306061
Ion Ratio Lower Upper
168 100
99 55.1 44.2 66.4



#11
Tert butyl alcohol
Concen: 1.530 ug/l
RT: 5.495 min Scan# 585
Delta R.T. -0.041 min
Lab File: VN076161.D
Acq: 09 Jan 2023 17:16

Tgt Ion: 59 Resp: 721
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#16

Acetone

Concen: 28.859 ug/l

RT: 4.448 min Scan# 406

Delta R.T. 0.006 min

Lab File: VN076161.D

Acq: 09 Jan 2023 17:16

Instrument :

MSVOA_N

ClientSampleId :

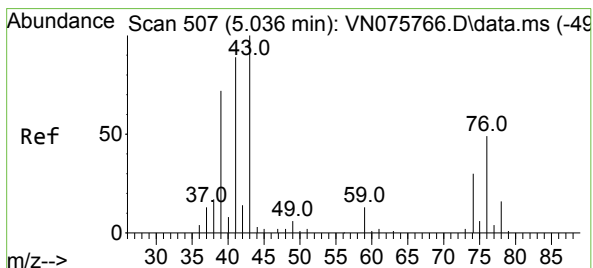
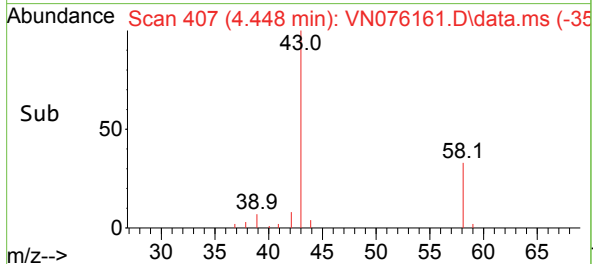
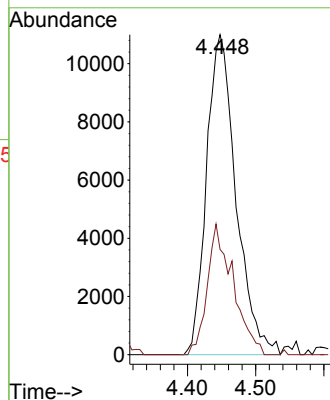
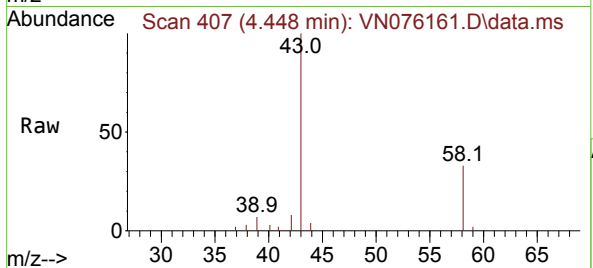
TP-7

Tgt Ion: 43 Resp: 33124

Ion Ratio Lower Upper

43 100

58 32.9 28.6 43.0



#18

Methyl Acetate

Concen: 1.030 ug/l

RT: 5.042 min Scan# 508

Delta R.T. 0.006 min

Lab File: VN076161.D

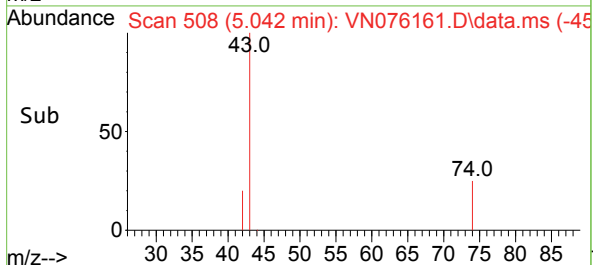
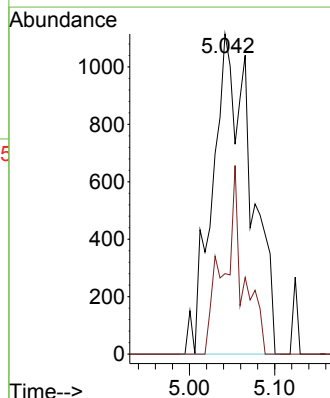
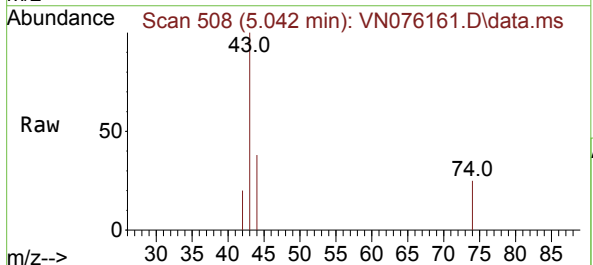
Acq: 09 Jan 2023 17:16

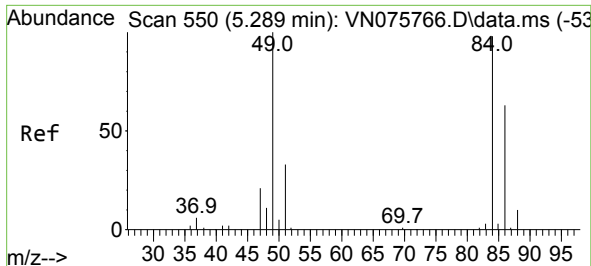
Tgt Ion: 43 Resp: 3494

Ion Ratio Lower Upper

43 100

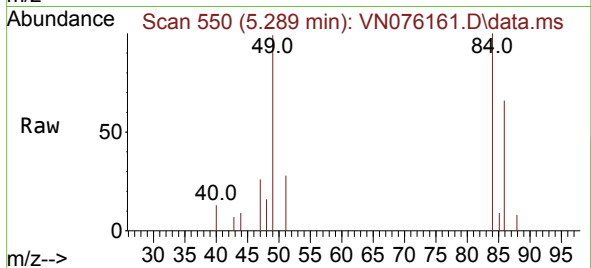
74 30.1 23.6 35.4



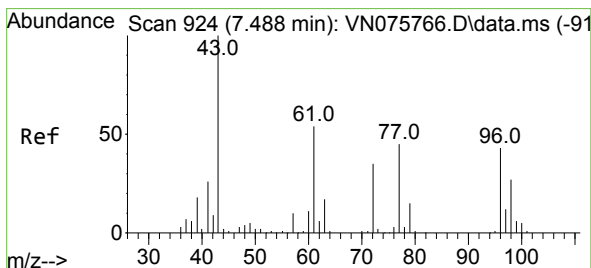
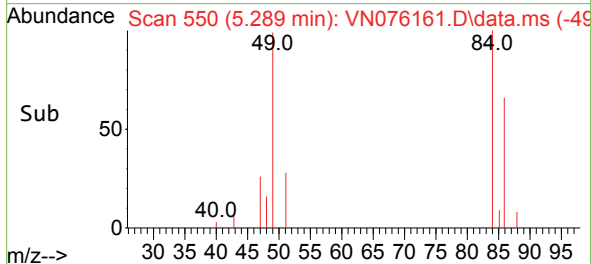
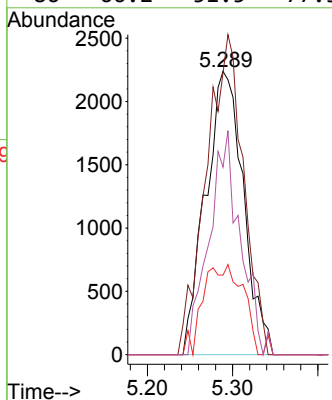


#20
Methylene Chloride
Concen: 1.627 ug/l
RT: 5.289 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN076161.D
Acq: 09 Jan 2023 17:16

Instrument :
MSVOA_N
ClientSampleId :
TP-7

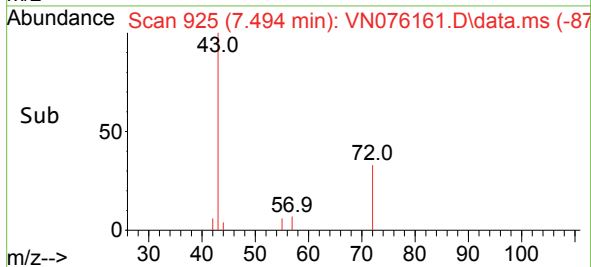
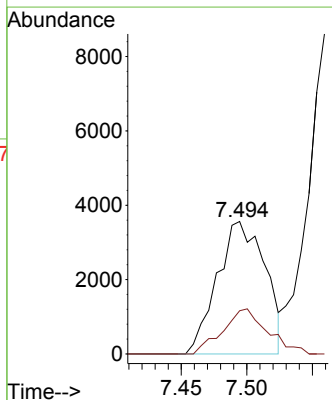
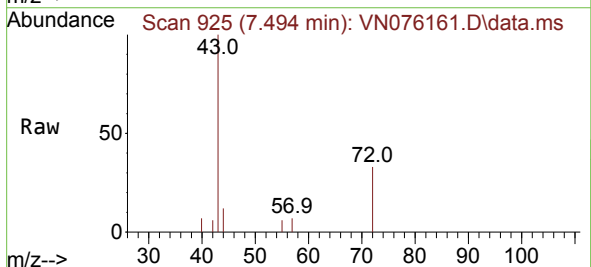


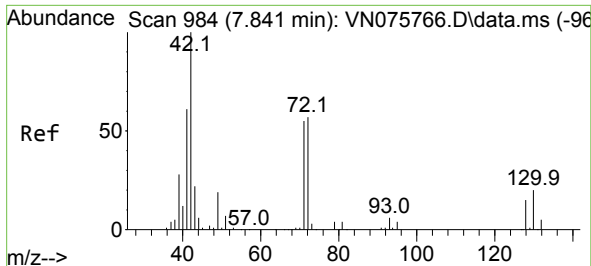
Tgt Ion: 84	Resp: 6899
Ion Ratio	Lower Upper
84 100	
49 99.4	81.8 122.6
51 28.1	26.7 40.1
86 66.2	51.5 77.3



#25
2-Butanone
Concen: 5.622 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.006 min
Lab File: VN076161.D
Acq: 09 Jan 2023 17:16

Tgt Ion: 43	Resp: 9036
Ion Ratio	Lower Upper
43 100	
72 32.6	28.0 42.0





#29

Tetrahydrofuran

Concen: 0.420 ug/l

RT: 7.842 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN076161.D

Acq: 09 Jan 2023 17:16

Instrument :

MSVOA_N

ClientSampleId :

TP-7

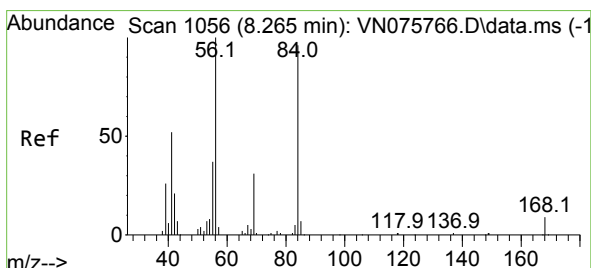
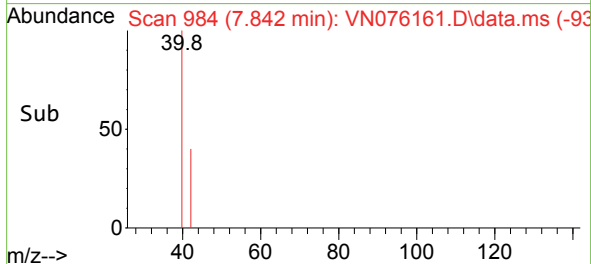
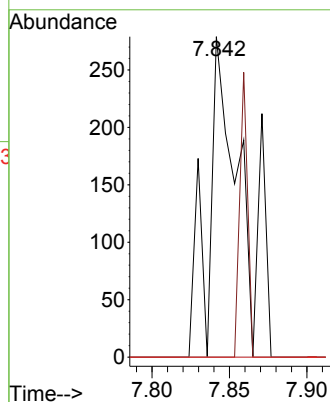
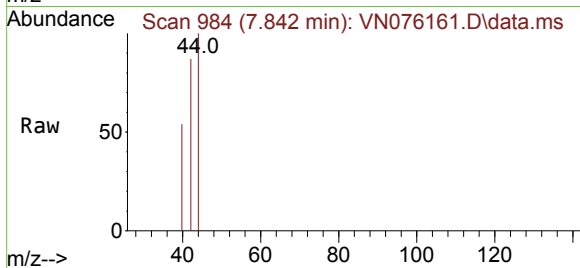
Tgt Ion: 42 Resp: 423

Ion Ratio Lower Upper

42 100

72 20.8 44.5 66.7#

71 0.0 41.0 61.6#



#31

Cyclohexane

Concen: 1.320 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.035 min

Lab File: VN076161.D

Acq: 09 Jan 2023 17:16

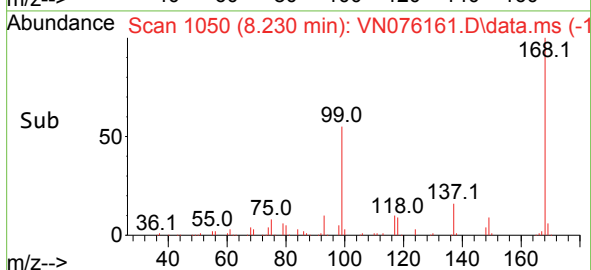
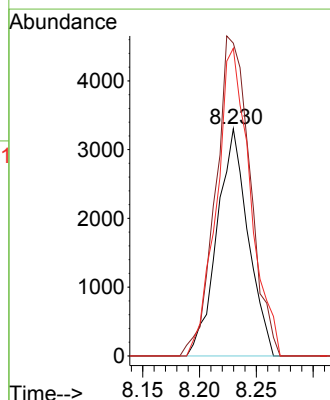
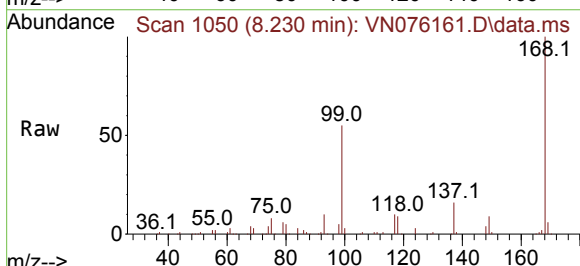
Tgt Ion: 56 Resp: 6297

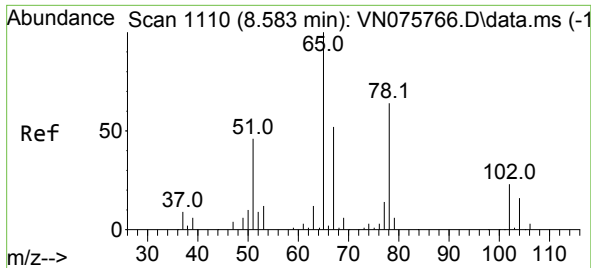
Ion Ratio Lower Upper

56 100

69 137.7 24.7 37.1#

84 135.4 76.5 114.7#

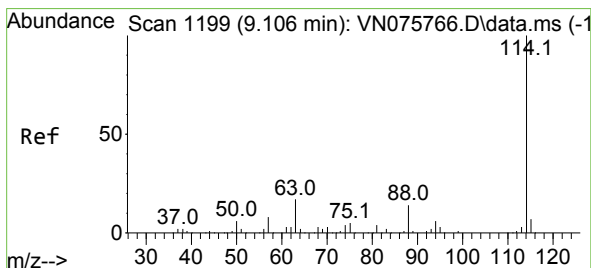
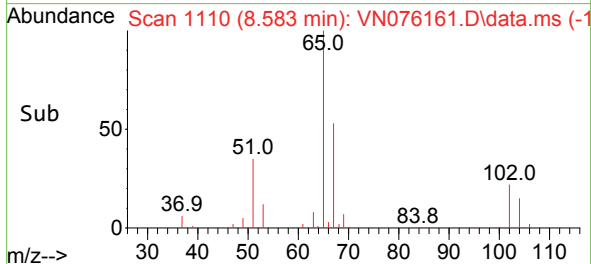
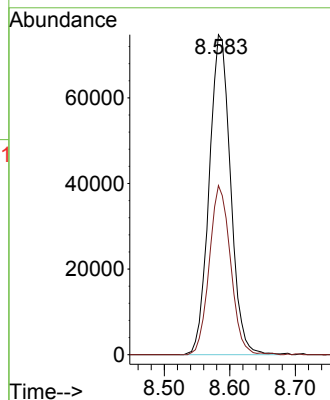
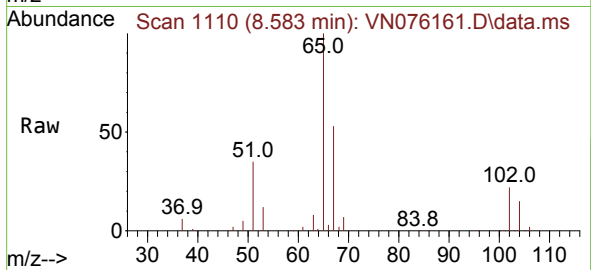




#33
 1,2-Dichloroethane-d4
 Concen: 50.783 ug/l
 RT: 8.583 min Scan# 1110
 Delta R.T. 0.000 min
 Lab File: VN076161.D
 Acq: 09 Jan 2023 17:16

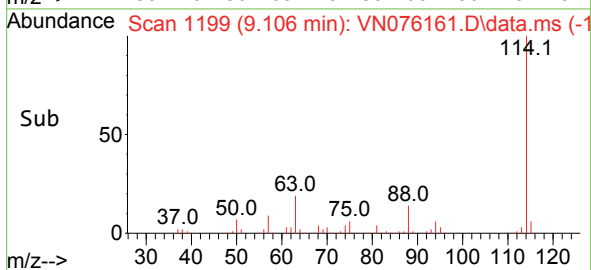
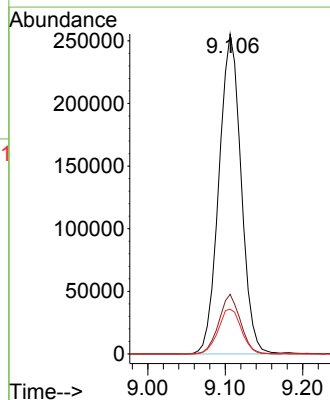
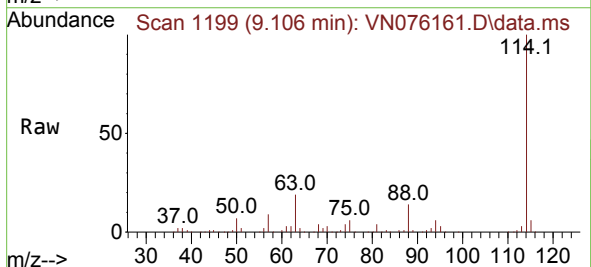
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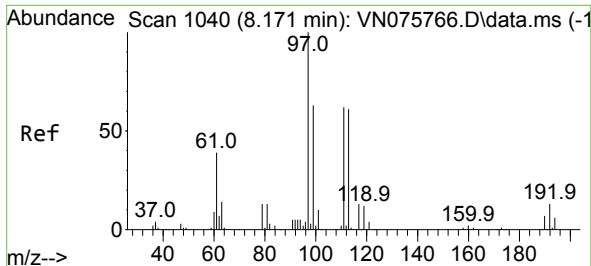
Tgt Ion: 65 Resp: 169089
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1199
 Delta R.T. 0.000 min
 Lab File: VN076161.D
 Acq: 09 Jan 2023 17:16

Tgt Ion: 114 Resp: 507554
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 34.4
 88 14.0 0.0 28.8





#35

Dibromofluoromethane

Concen: 48.463 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VN076161.D

Acq: 09 Jan 2023 17:16

Instrument :

MSVOA_N

ClientSampleId :

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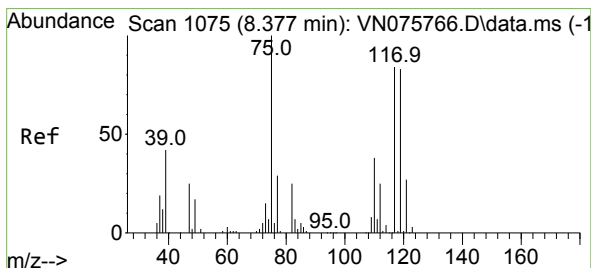
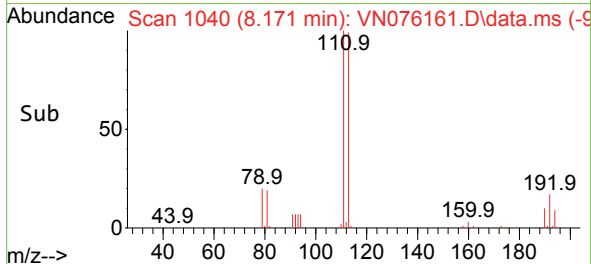
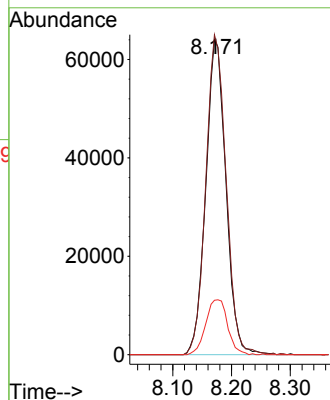
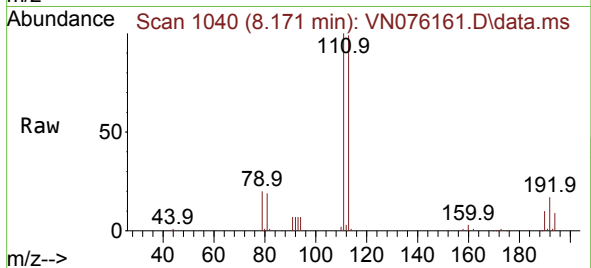
Tgt Ion:113 Resp: 152329

Ion Ratio Lower Upper

113 100

111 102.5 83.4 125.2

192 19.0 16.1 24.1



#36

1,1-Dichloropropene

Concen: 5.653 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN076161.D

Acq: 09 Jan 2023 17:16

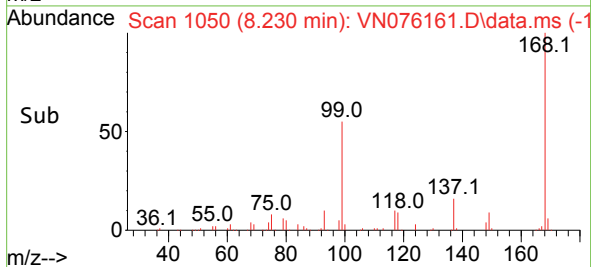
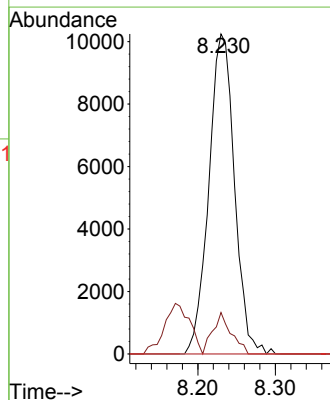
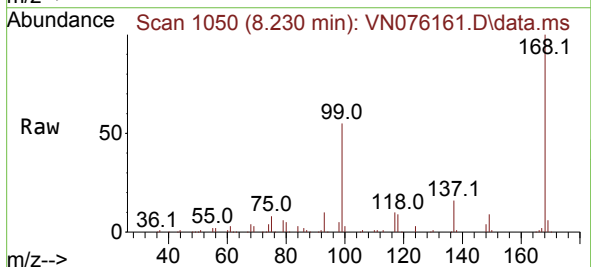
Tgt Ion: 75 Resp: 23602

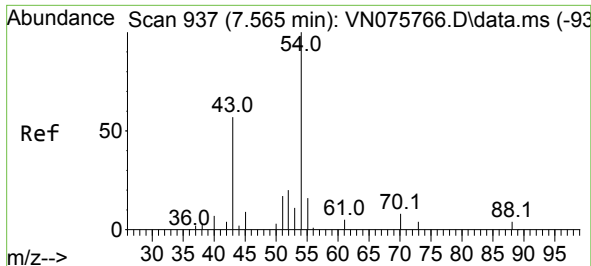
Ion Ratio Lower Upper

75 100

110 9.3 18.8 56.4#

77 0.0 24.1 36.1#

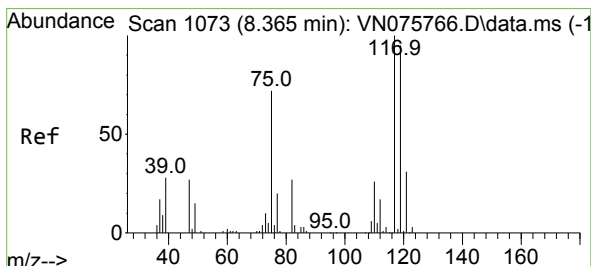
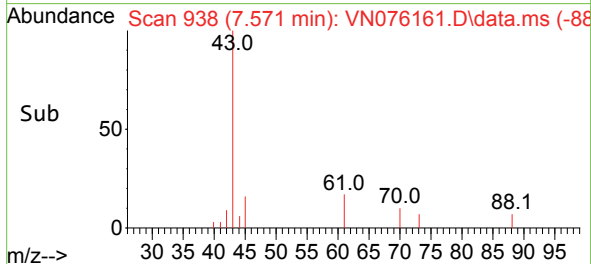
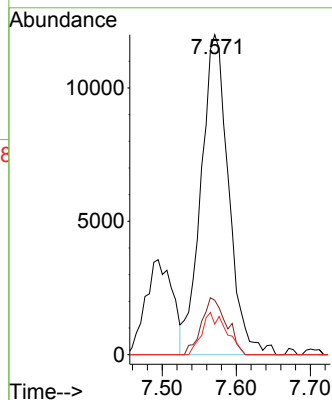
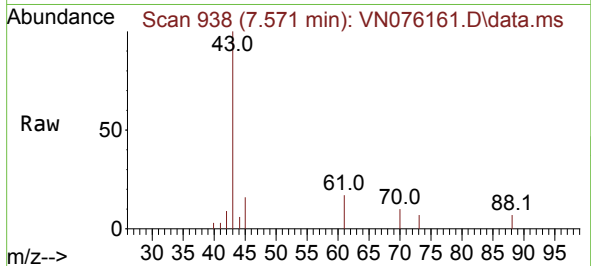




#37
Ethyl Acetate
Concen: 9.255 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076161.D
Acq: 09 Jan 2023 17:16

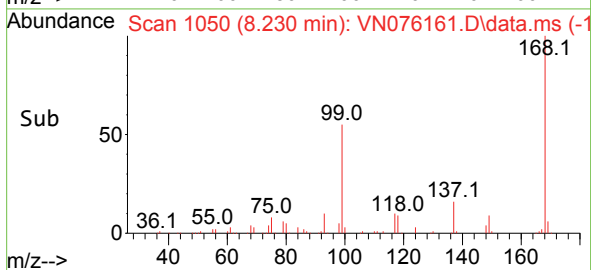
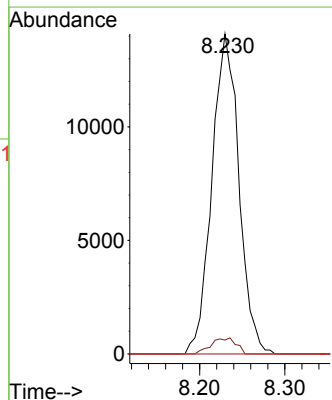
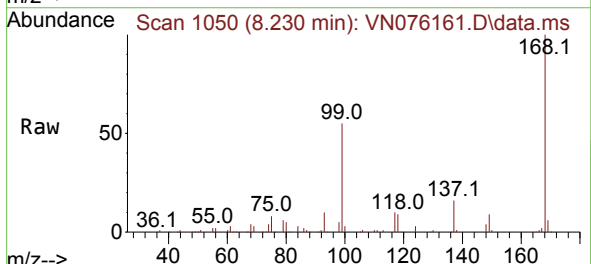
Instrument :
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ClientSampleId :
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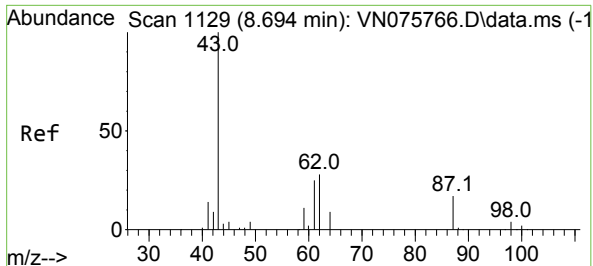
Tgt Ion: 43 Resp: 31041
Ion Ratio Lower Upper
43 100
61 16.1 13.0 19.4
70 11.6 9.4 14.0



#38
Carbon Tetrachloride
Concen: 6.646 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN076161.D
Acq: 09 Jan 2023 17:16

Tgt Ion: 117 Resp: 31058
Ion Ratio Lower Upper
117 100
119 4.4 76.1 114.1#
121 0.0 24.5 36.7#

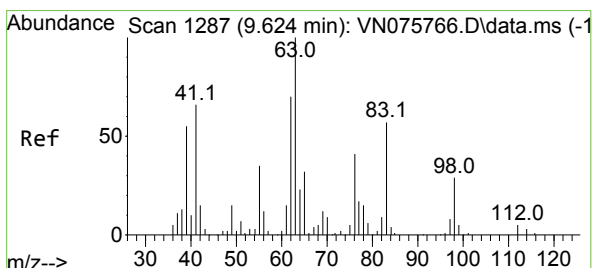
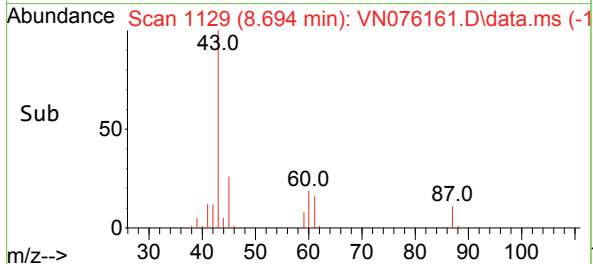
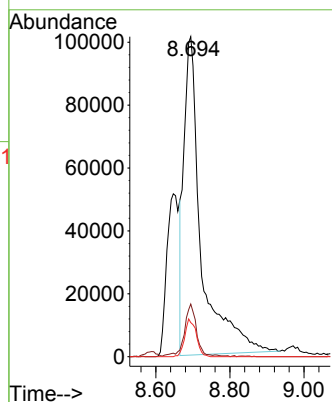
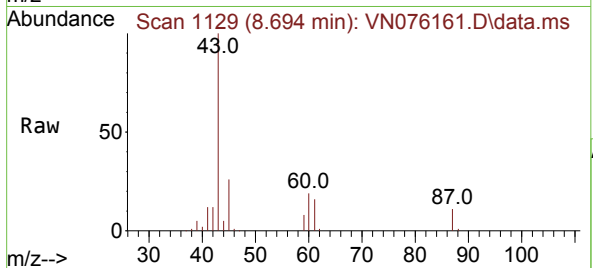




#43
Isopropyl Acetate
Concen: 59.856 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN076161.D
Acq: 09 Jan 2023 17:16

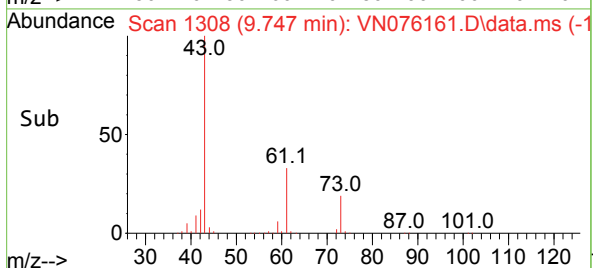
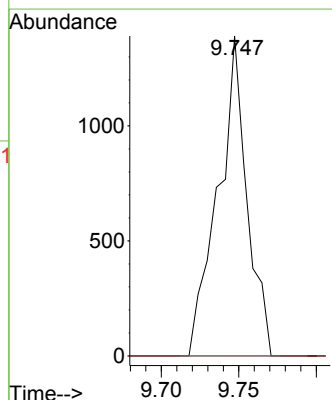
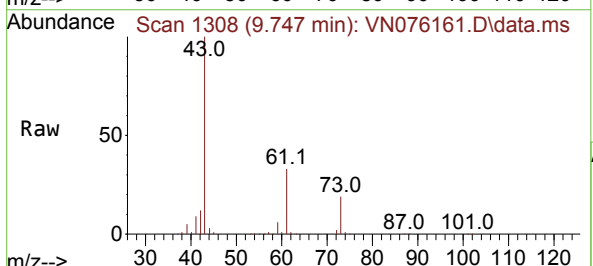
Instrument :
MSVOA_N
ClientSampleId :
TP-7

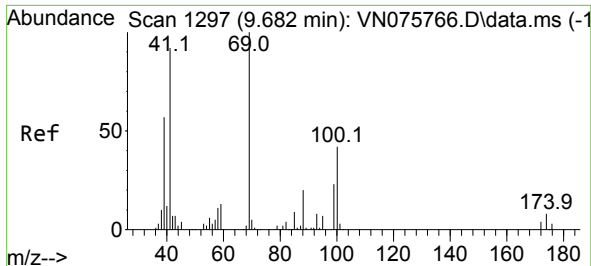
Tgt Ion: 43 Resp: 331156
Ion Ratio Lower Upper
43 100
61 10.9 24.2 36.4#
87 7.8 13.3 19.9#



#45
1,2-Dichloropropane
Concen: 0.575 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.124 min
Lab File: VN076161.D
Acq: 09 Jan 2023 17:16

Tgt Ion: 63 Resp: 1803
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#

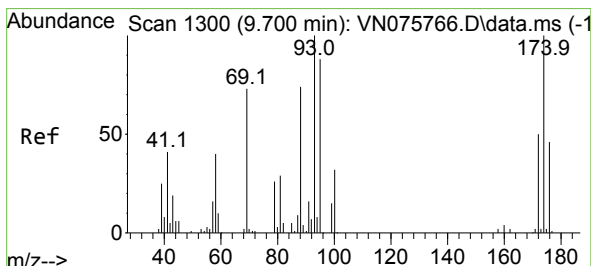
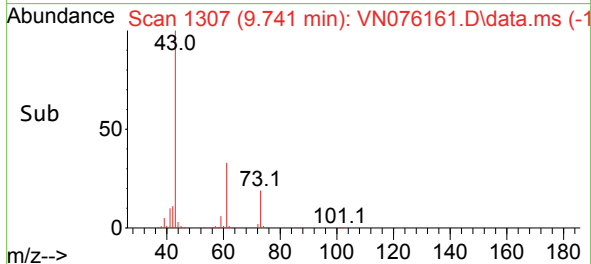
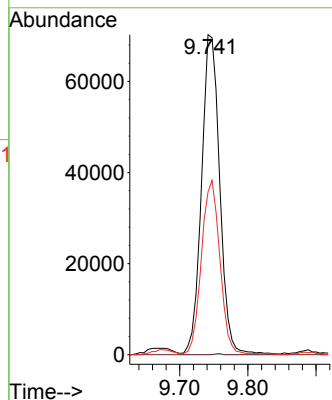
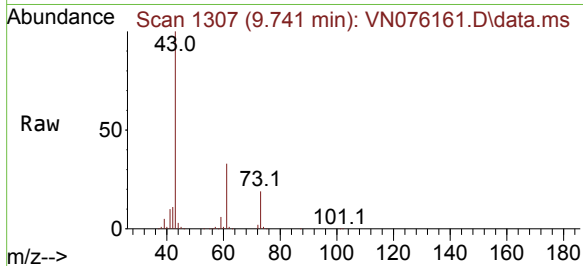




#48
Methyl methacrylate
Concen: 52.565 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.059 min
Lab File: VN076161.D
Acq: 09 Jan 2023 17:16

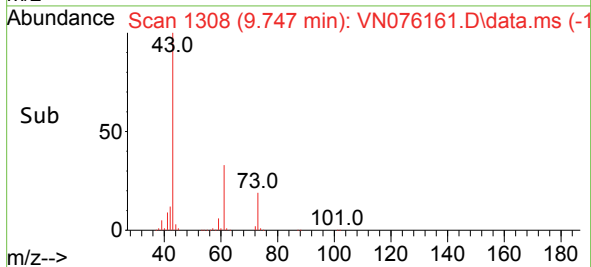
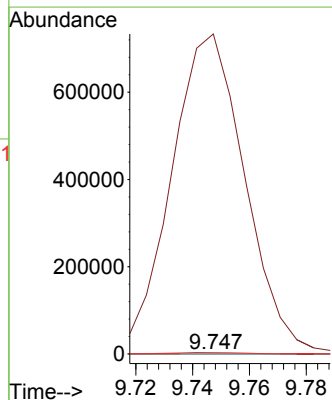
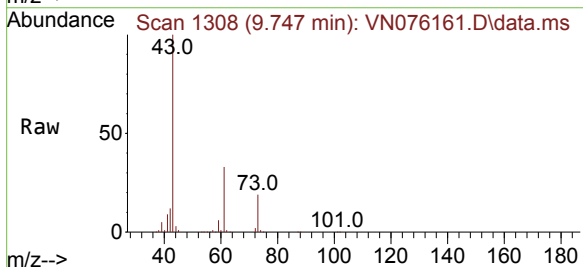
Instrument :
MSVOA_N
ClientSampleId :
TP-7

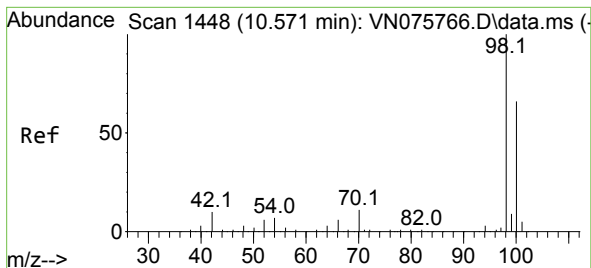
Tgt Ion: 41 Resp: 130983
Ion Ratio Lower Upper
41 100
69 0.1 81.9 122.9#
39 54.5 51.6 77.4



#49
1,4-Dioxane
Concen: 3.004 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.047 min
Lab File: VN076161.D
Acq: 09 Jan 2023 17:16

Tgt Ion: 88 Resp: 184
Ion Ratio Lower Upper
88 100
43 726104.9 17.1 25.7#
58 3235.9 47.8 71.8#





#50

Toluene-d8

Concen: 50.650 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. 0.000 min

Lab File: VN076161.D

Acq: 09 Jan 2023 17:16

Instrument :

MSVOA_N

ClientSampleId :

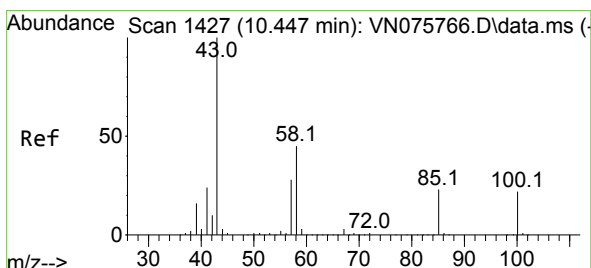
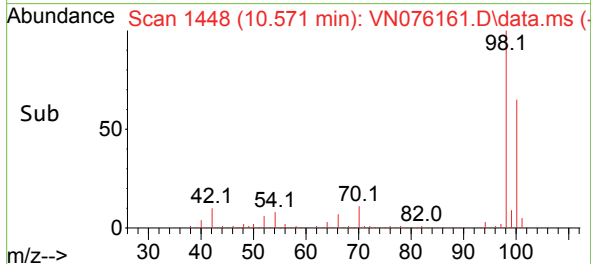
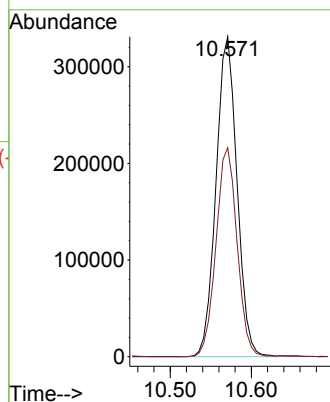
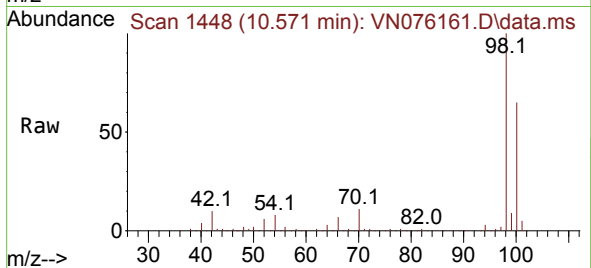
TP-7

Tgt Ion: 98 Resp: 595244

Ion Ratio Lower Upper

98 100

100 65.6 52.1 78.1



#51

4-Methyl-2-Pentanone

Concen: 4.189 ug/l

RT: 10.447 min Scan# 1427

Delta R.T. 0.000 min

Lab File: VN076161.D

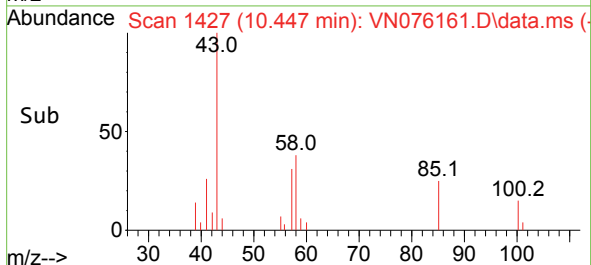
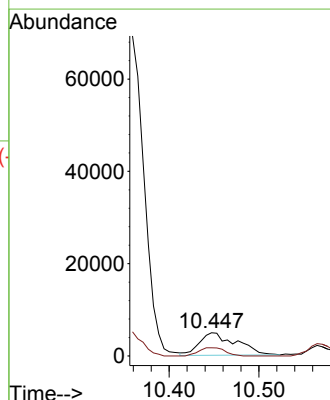
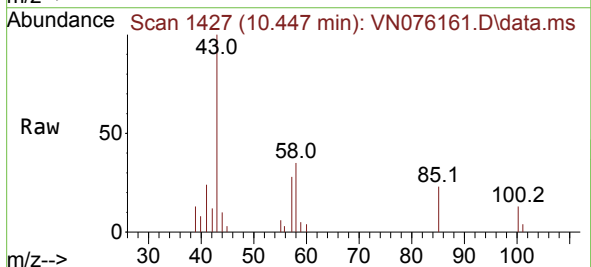
Acq: 09 Jan 2023 17:16

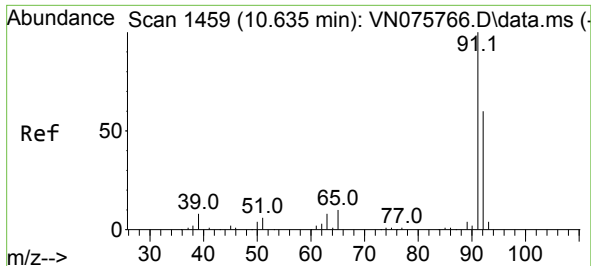
Tgt Ion: 43 Resp: 14016

Ion Ratio Lower Upper

43 100

58 26.0 35.5 53.3#

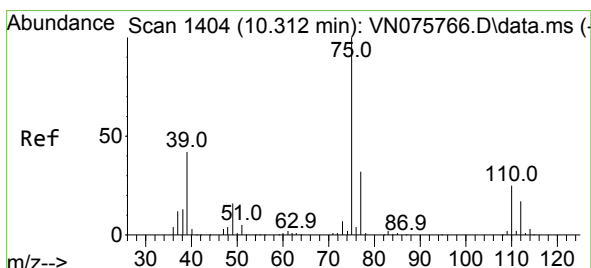
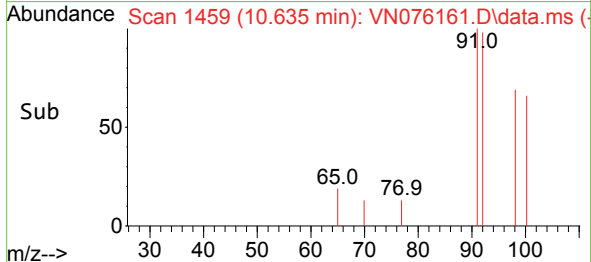
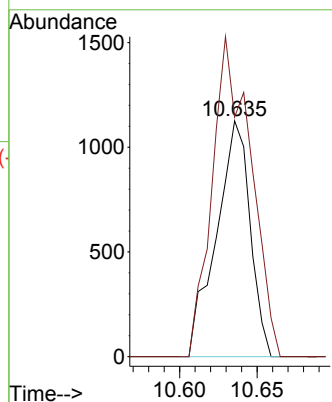
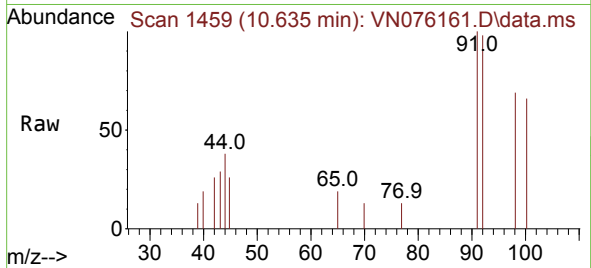




#52
Toluene
Concen: 0.203 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VN076161.D
Acq: 09 Jan 2023 17:16

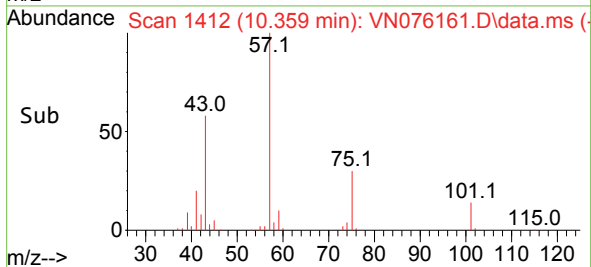
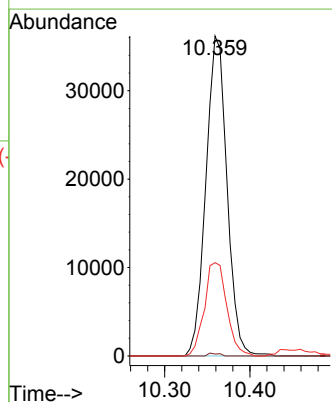
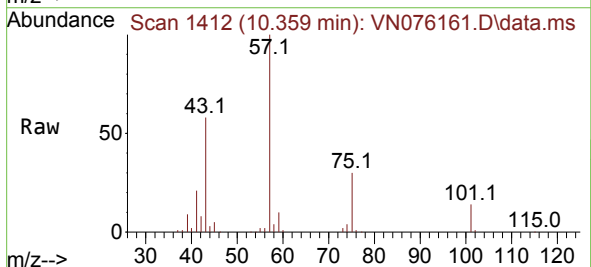
Instrument :
MSVOA_N
ClientSampleId :
TP-7

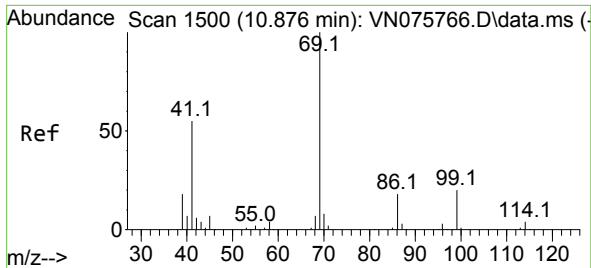
Tgt Ion: 92 Resp: 1704
Ion Ratio Lower Upper
92 100
91 154.8 137.3 205.9



#54
cis-1,3-Dichloropropene
Concen: 12.718 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.047 min
Lab File: VN076161.D
Acq: 09 Jan 2023 17:16

Tgt Ion: 75 Resp: 62326
Ion Ratio Lower Upper
75 100
77 0.6 25.8 38.8#
39 29.1 33.4 50.2#

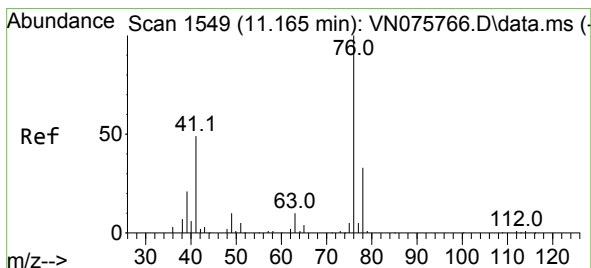
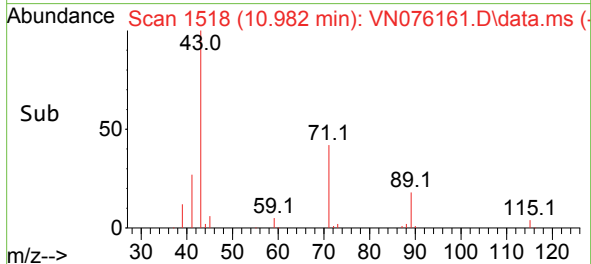
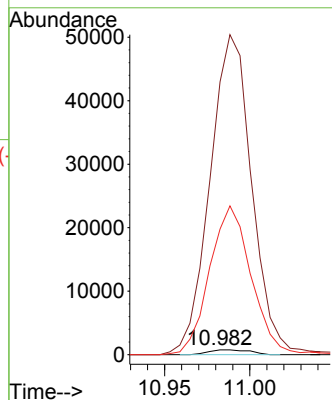
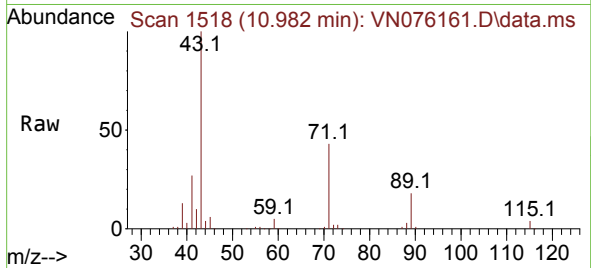




#56
Ethyl methacrylate
Concen: 0.293 ug/l
RT: 10.982 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN076161.D
Acq: 09 Jan 2023 17:16

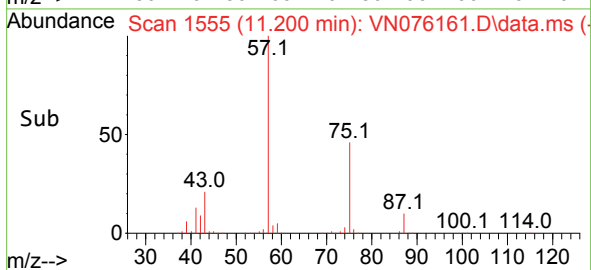
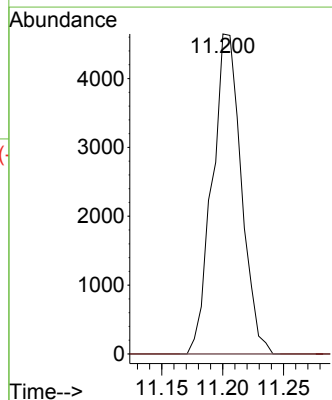
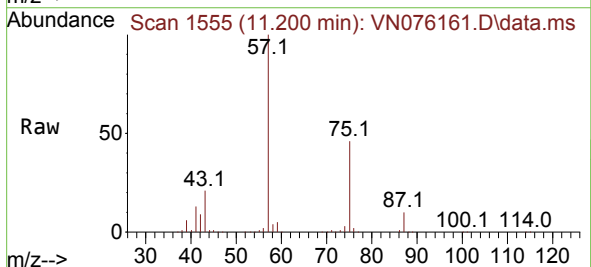
Instrument :
MSVOA_N
ClientSampleId :
TP-7

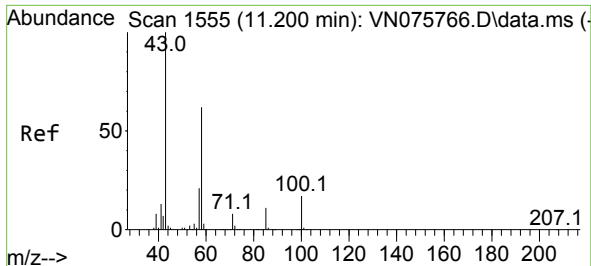
Tgt Ion: 69 Resp: 1281
Ion Ratio Lower Upper
69 100
41 6744.1 44.2 66.4#
39 3123.0 26.4 39.6#



#57
1,3-Dichloropropane
Concen: 1.429 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.035 min
Lab File: VN076161.D
Acq: 09 Jan 2023 17:16

Tgt Ion: 76 Resp: 7717
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

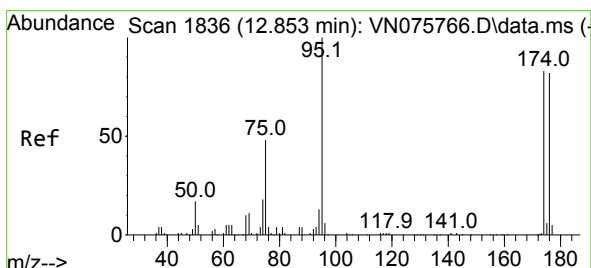
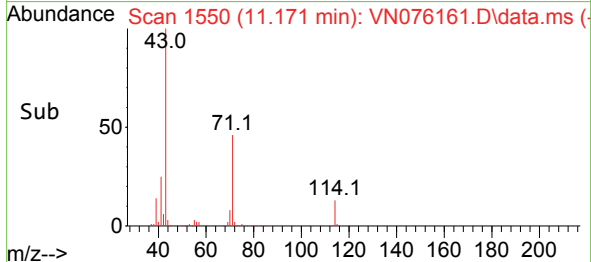
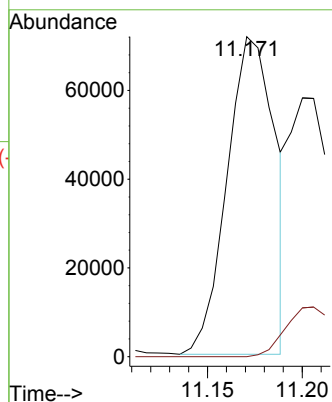
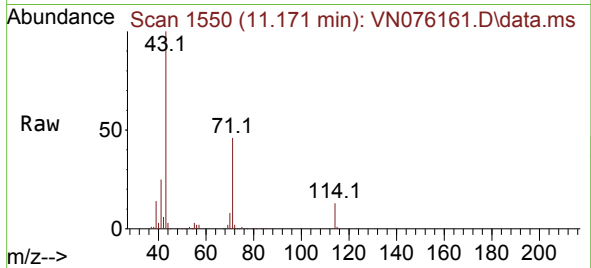




#59
2-Hexanone
Concen: 51.510 ug/l
RT: 11.171 min Scan# 1550
Delta R.T. -0.029 min
Lab File: VN076161.D
Acq: 09 Jan 2023 17:16

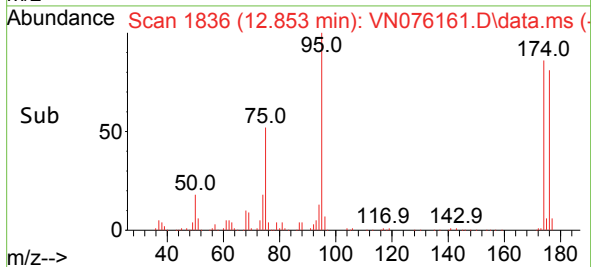
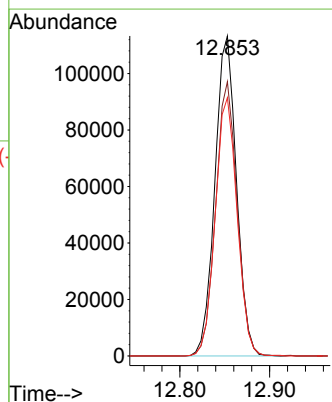
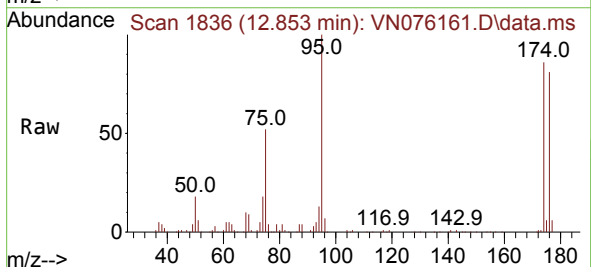
Instrument :
MSVOA_N
ClientSampleId :
TP-7

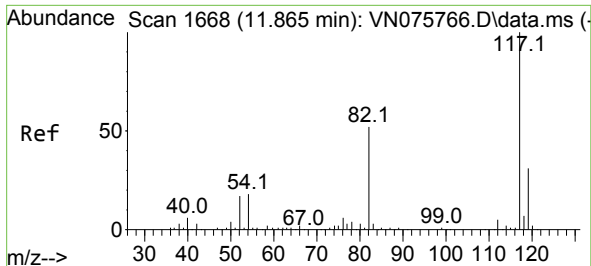
Tgt Ion: 43 Resp: 125686
Ion Ratio Lower Upper
43 100
58 0.0 30.6 92.0#



#62
4-Bromofluorobenzene
Concen: 48.473 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN076161.D
Acq: 09 Jan 2023 17:16

Tgt Ion: 95 Resp: 188676
Ion Ratio Lower Upper
95 100
174 85.4 0.0 171.6
176 82.1 0.0 169.2

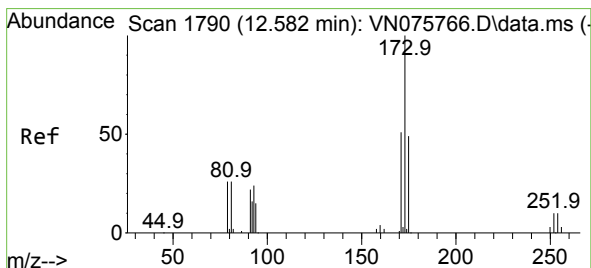
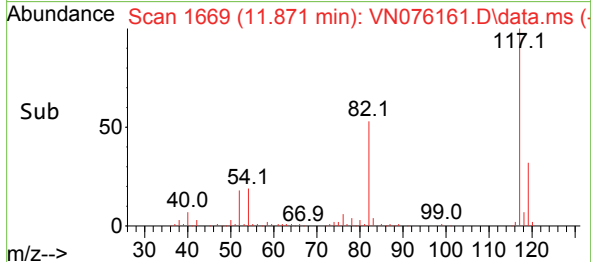
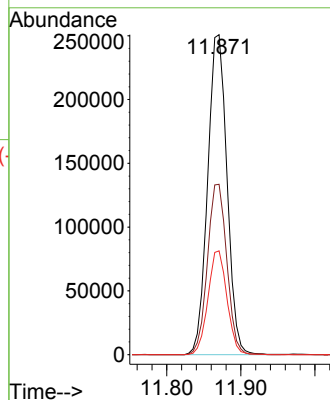
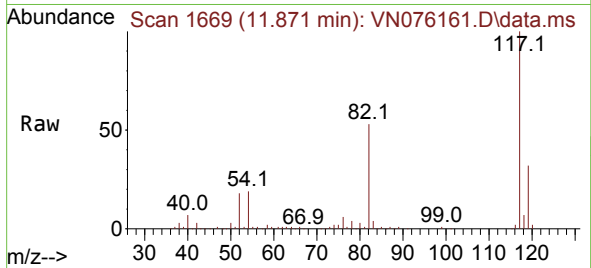




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN076161.D
Acq: 09 Jan 2023 17:16

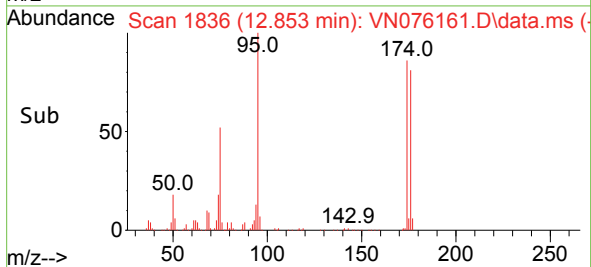
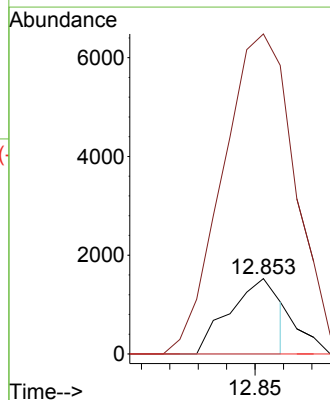
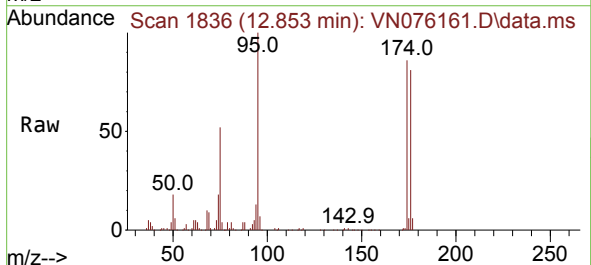
Instrument :
MSVOA_N
ClientSampleId :
TP-7

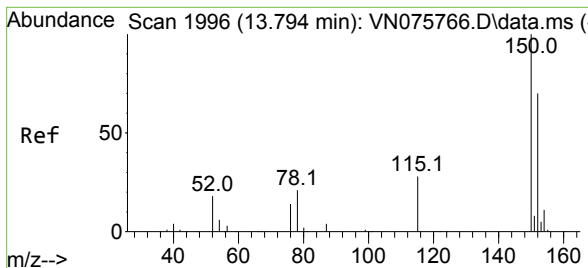
Tgt Ion:117 Resp: 454829
Ion Ratio Lower Upper
117 100
82 53.2 41.3 61.9
119 32.5 24.6 37.0



#71
Bromoform
Concen: 0.747 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN076161.D
Acq: 09 Jan 2023 17:16

Tgt Ion:173 Resp: 1880
Ion Ratio Lower Upper
173 100
175 508.4 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: VN076161.D

Acq: 09 Jan 2023 17:16

Instrument :

MSVOA_N

ClientSampleId :

TP-7

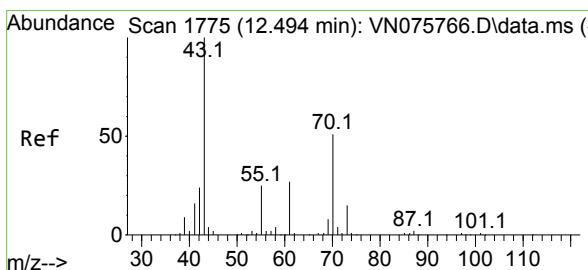
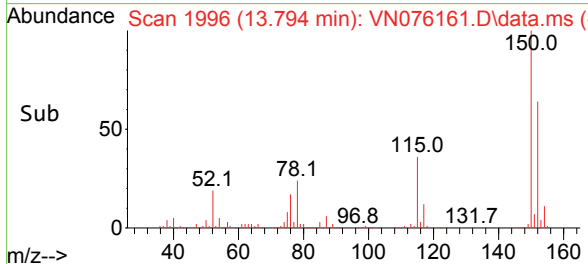
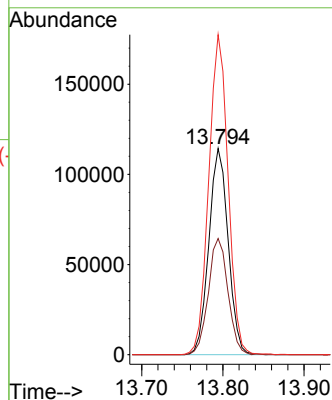
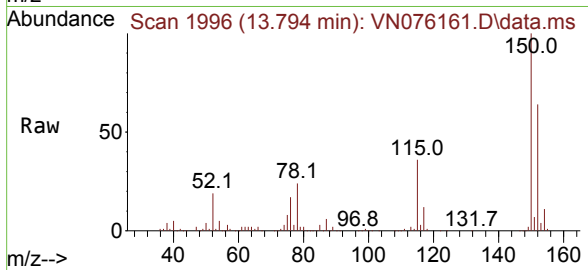
Tgt Ion:152 Resp: 188733

Ion Ratio Lower Upper

152 100

115 57.4 29.1 87.4

150 155.5 0.0 347.0



#74

N-ethyl acetate

Concen: 0.573 ug/l

RT: 12.488 min Scan# 1774

Delta R.T. -0.006 min

Lab File: VN076161.D

Acq: 09 Jan 2023 17:16

Tgt Ion: 43 Resp: 2292

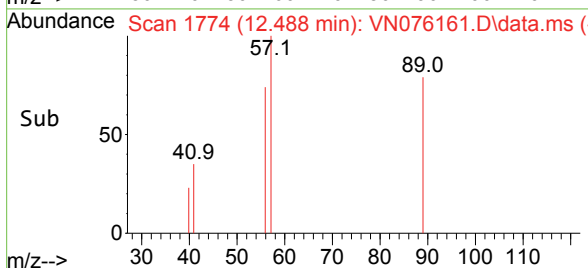
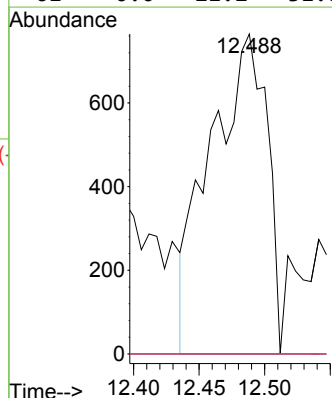
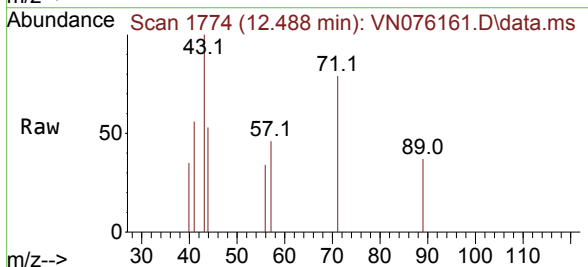
Ion Ratio Lower Upper

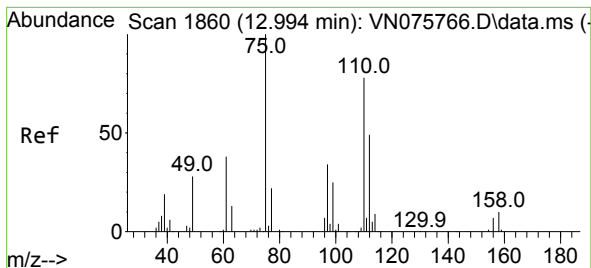
43 100

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: 26.118 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN076161.D

Acq: 09 Jan 2023 17:16

Instrument :

MSVOA_N

ClientSampleId :

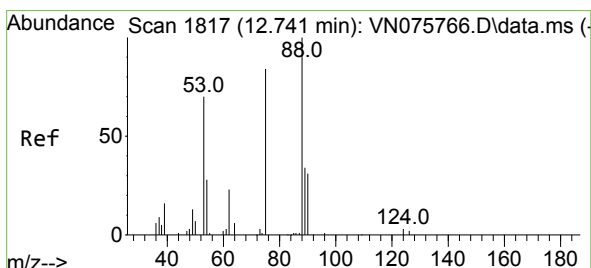
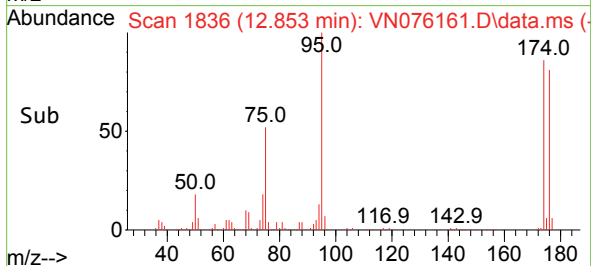
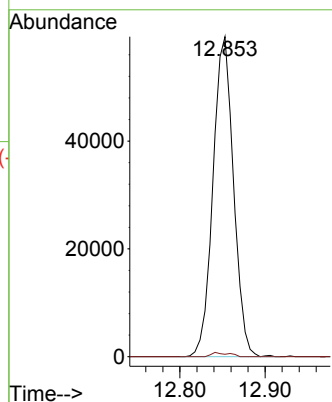
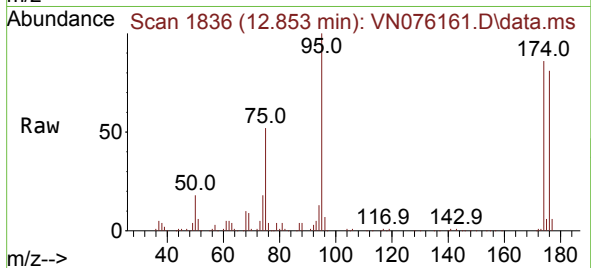
TP-7

Tgt Ion: 75 Resp: 99362

Ion Ratio Lower Upper

75 100

77 1.1 82.6 247.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 94.011 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.112 min

Lab File: VN076161.D

Acq: 09 Jan 2023 17:16

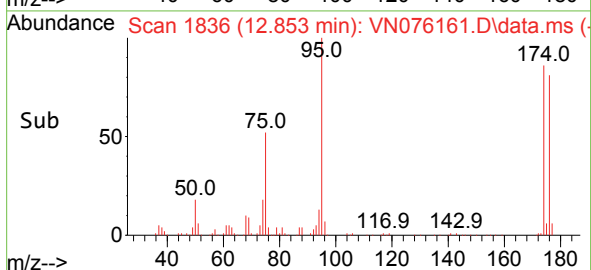
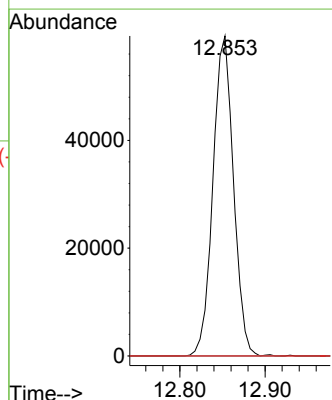
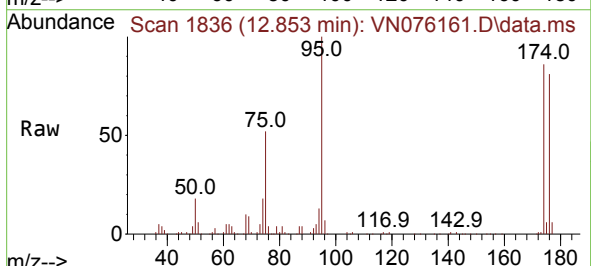
Tgt Ion: 75 Resp: 99362

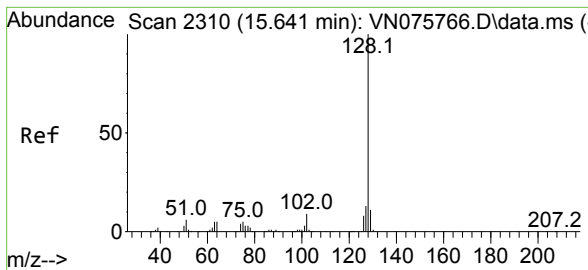
Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

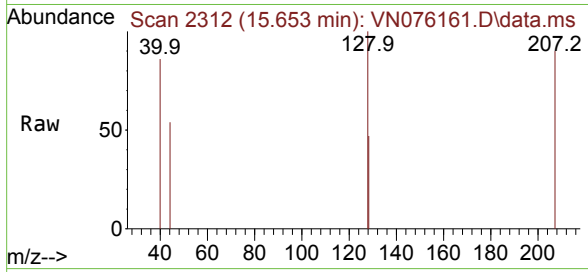
89 0.0 39.5 59.3#





#95
 Naphthalene
 Concen: 2.239 ug/l
 RT: 15.653 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN076161.D
 Acq: 09 Jan 2023 17:16

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-7



Tgt Ion:128	Resp:	659
Ion	Ratio	Lower Upper
128	100	
127	0.0	10.4 15.6#
129	0.0	8.7 13.1#

