

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102722\
 Data File : VN075039.D
 Acq On : 27 Oct 2022 14:31
 Operator : JC\MD
 Sample : N5271-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-IDW-0001

Quant Time: Oct 28 02:14:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

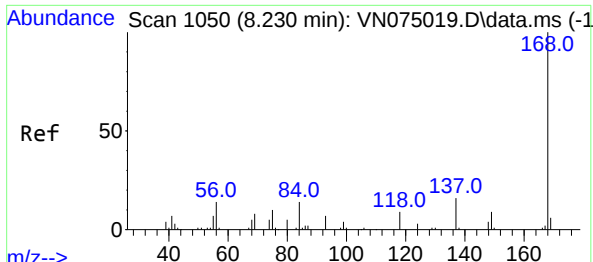
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	112908	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	216610	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	197914	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	77153	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	86435	56.817	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.640%			
35) Dibromofluoromethane	8.171	113	66278	52.121	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.240%			
50) Toluene-d8	10.571	98	272034	55.140	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.280%			
62) 4-Bromofluorobenzene	12.853	95	84329	48.659	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.320%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.918	94	74	Below Cal	#	5
6) Chloroethane	3.130	64	448	0.281	ug/l #	45
11) Tert butyl alcohol	5.518	59	1380	3.890	ug/l #	72
14) Allyl chloride	5.277	41	966	0.553	ug/l #	19
16) Acetone	4.453	43	12305	19.102	ug/l	92
18) Methyl Acetate	5.042	43	2084	0.990	ug/l #	69
20) Methylene Chloride	5.277	84	33096	23.043	ug/l	97
25) 2-Butanone	7.506	43	1016	1.003	ug/l #	43
31) Cyclohexane	8.224	56	2941	1.300	ug/l #	32
36) 1,1-Dichloropropene	8.230	75	10342	5.253	ug/l #	50
37) Ethyl Acetate	7.571	43	13679	6.336	ug/l #	97
38) Carbon Tetrachloride	8.224	117	12559	5.799	ug/l #	17
43) Isopropyl Acetate	8.694	43	90516	27.029	ug/l #	78
45) 1,2-Dichloropropane	9.759	63	524	0.365	ug/l #	42
48) Methyl methacrylate	9.659	41	1823	1.187	ug/l #	35
51) 4-Methyl-2-Pentanone	10.453	43	2510	1.161	ug/l	98
54) cis-1,3-Dichloropropene	10.359	75	21291	8.787	ug/l #	66
57) 1,3-Dichloropropane	11.200	76	2712	1.019	ug/l #	42
59) 2-Hexanone	11.171	43	44537	27.154	ug/l #	21
71) Bromoform	12.853	173	770	0.656	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	47586	29.048	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	47586	74.567	ug/l #	10
95) Naphthalene	15.641	128	1541	0.351	ug/l #	75

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

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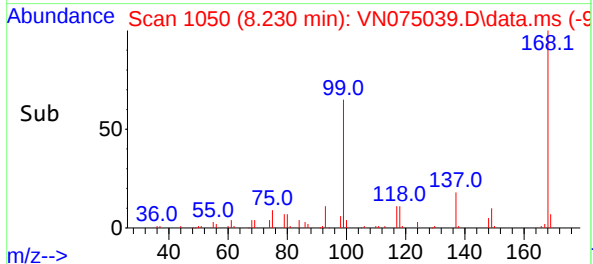
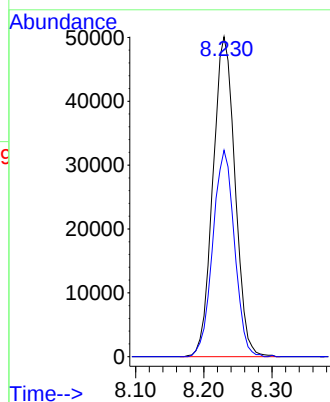
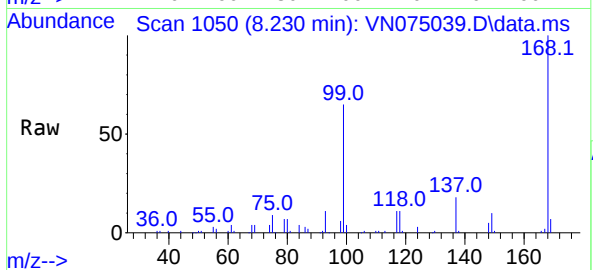




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075039.D
Acq: 27 Oct 2022 14:31

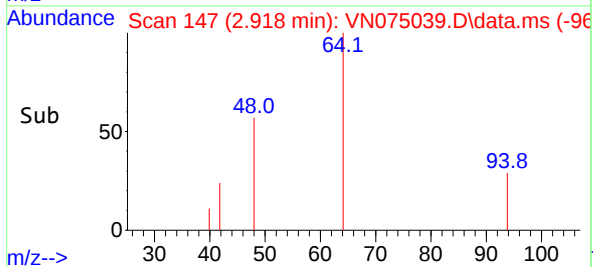
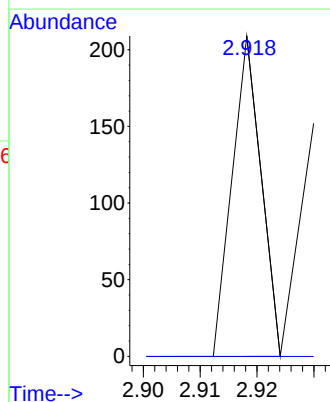
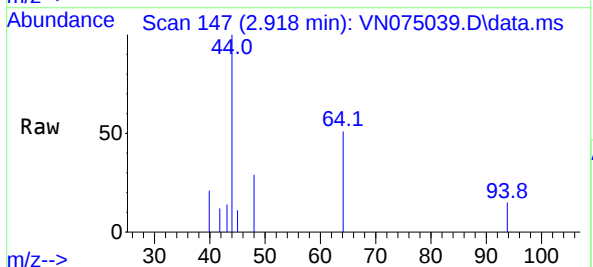
Instrument :
MSVOA_N
ClientSampleId :
WC-IDW-0001

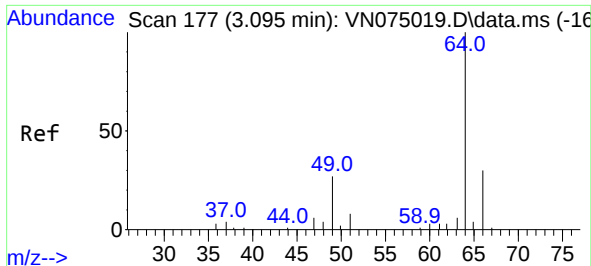
Tgt Ion:168 Resp: 112908
Ion Ratio Lower Upper
168 100
99 64.5 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.918 min Scan# 147
Delta R.T. 0.000 min
Lab File: VN075039.D
Acq: 27 Oct 2022 14:31

Tgt Ion: 94 Resp: 74
Ion Ratio Lower Upper
94 100
96 0.0 71.8 107.6#

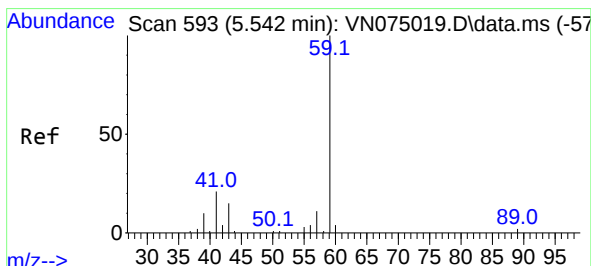
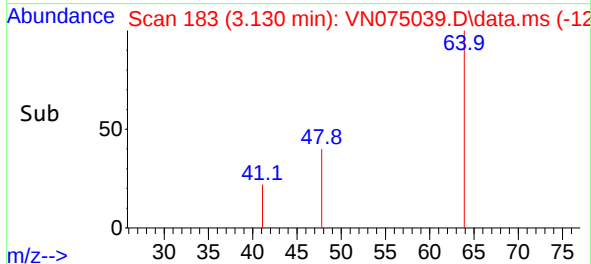
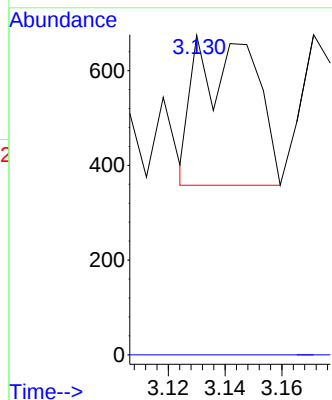
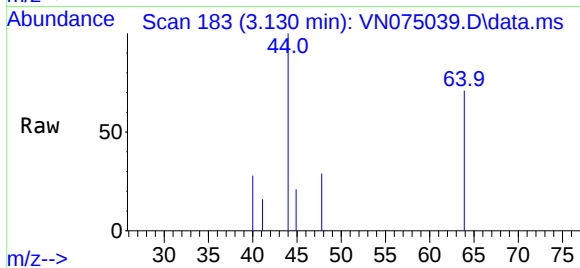




#6
Chloroethane
Concen: 0.281 ug/l
RT: 3.130 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN075039.D
Acq: 27 Oct 2022 14:31

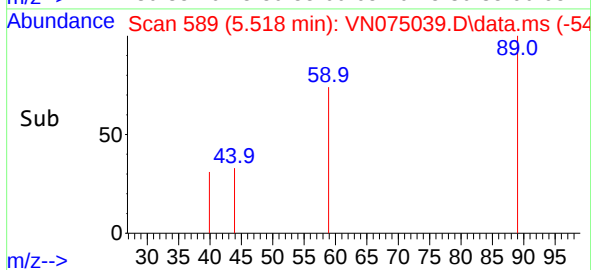
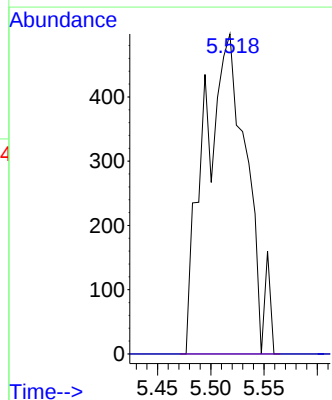
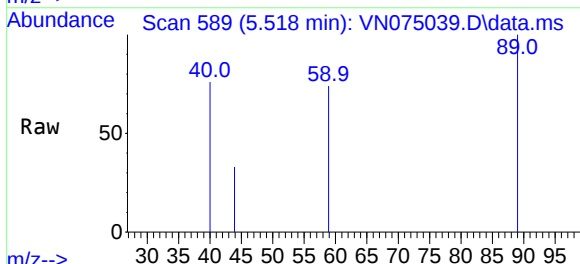
Instrument :
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ClientSampleId :
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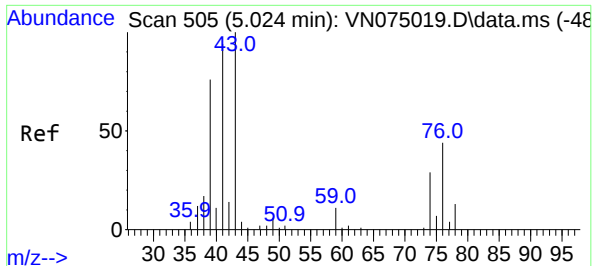
Tgt Ion: 64 Resp: 448
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#11
Tert butyl alcohol
Concen: 3.890 ug/l
RT: 5.518 min Scan# 589
Delta R.T. -0.024 min
Lab File: VN075039.D
Acq: 27 Oct 2022 14:31

Tgt Ion: 59 Resp: 1380
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

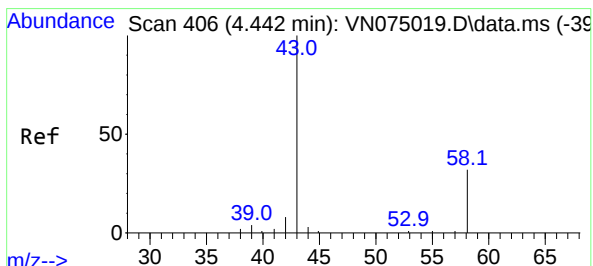
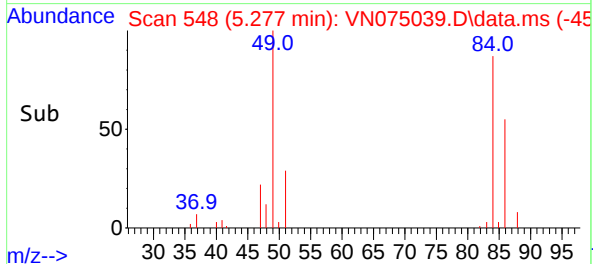
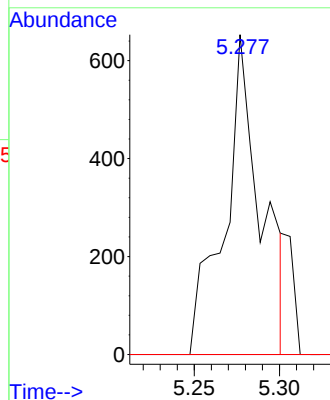
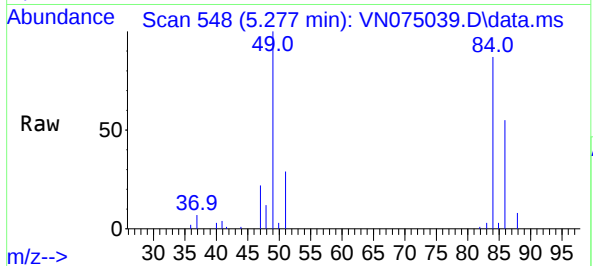




#14
 Allyl chloride
 Concen: 0.553 ug/l
 RT: 5.277 min Scan# 54
 Delta R.T. 0.253 min
 Lab File: VN075039.D
 Acq: 27 Oct 2022 14:31

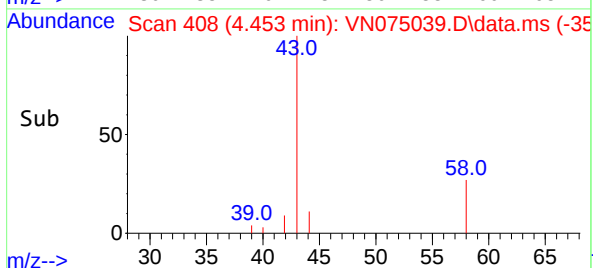
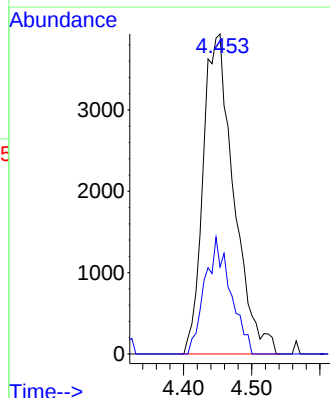
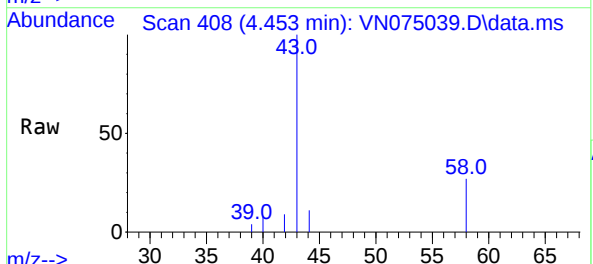
Instrument :
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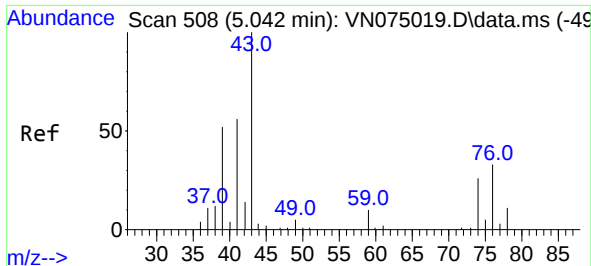
Tgt Ion: 41 Resp: 966
 Ion Ratio Lower Upper
 41 100
 39 0.0 61.0 91.4#
 76 0.0 33.4 50.0#



#16
 Acetone
 Concen: 19.102 ug/l
 RT: 4.453 min Scan# 408
 Delta R.T. 0.011 min
 Lab File: VN075039.D
 Acq: 27 Oct 2022 14:31

Tgt Ion: 43 Resp: 12305
 Ion Ratio Lower Upper
 43 100
 58 27.2 25.5 38.3

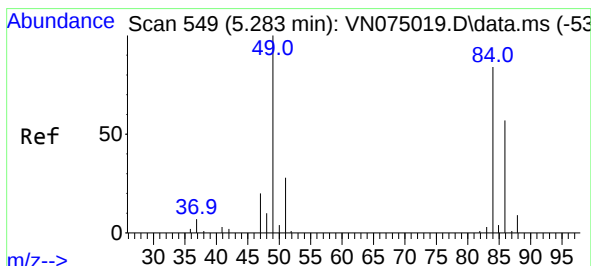
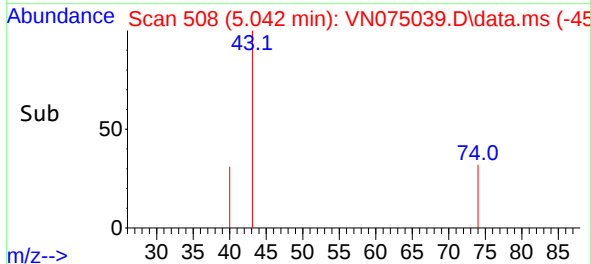
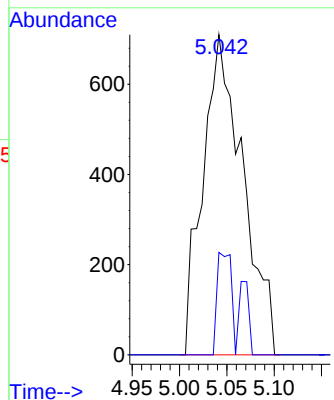
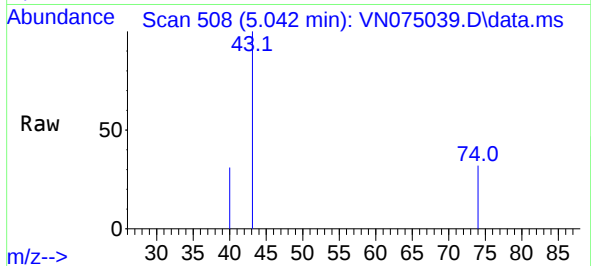




#18
Methyl Acetate
Concen: 0.990 ug/l
RT: 5.042 min Scan# 508
Delta R.T. -0.000 min
Lab File: VN075039.D
Acq: 27 Oct 2022 14:31

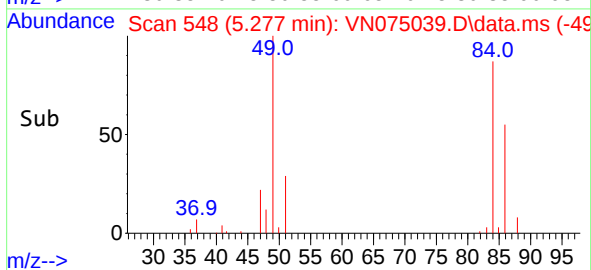
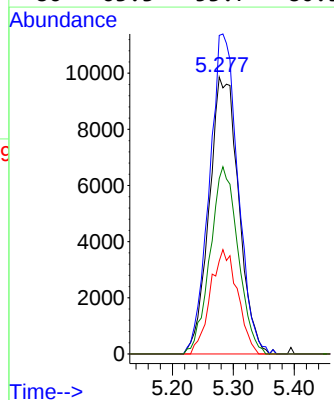
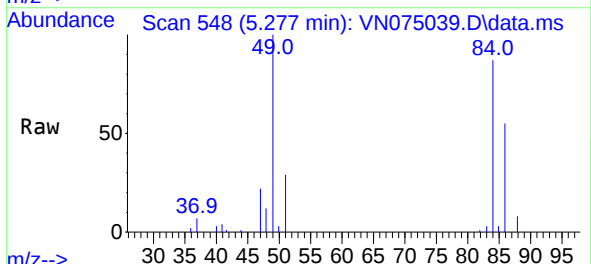
Instrument :
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ClientSampleId :
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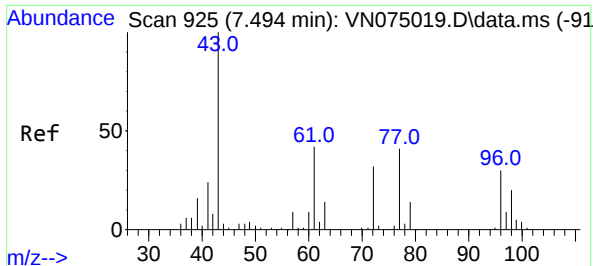
Tgt Ion: 43 Resp: 2084
Ion Ratio Lower Upper
43 100
74 11.3 22.0 33.0#



#20
Methylene Chloride
Concen: 23.043 ug/l
RT: 5.277 min Scan# 548
Delta R.T. -0.006 min
Lab File: VN075039.D
Acq: 27 Oct 2022 14:31

Tgt Ion: 84 Resp: 33096
Ion Ratio Lower Upper
84 100
49 115.0 94.9 142.3
51 33.6 26.8 40.2
86 63.3 53.7 80.5

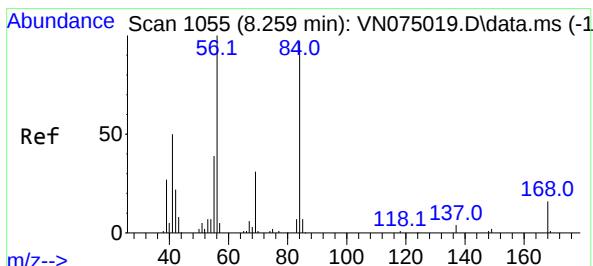
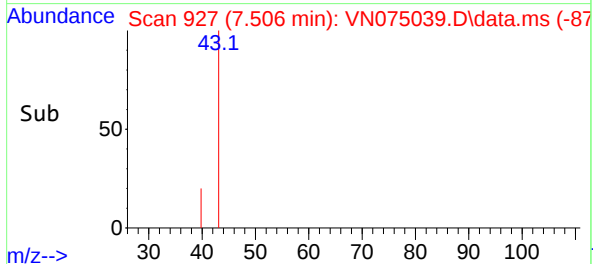
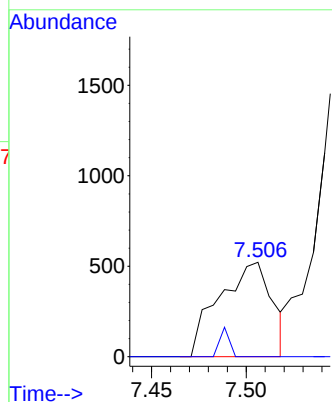
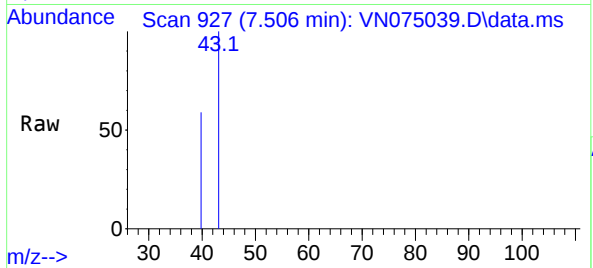




#25
2-Butanone
Concen: 1.003 ug/l
RT: 7.506 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN075039.D
Acq: 27 Oct 2022 14:31

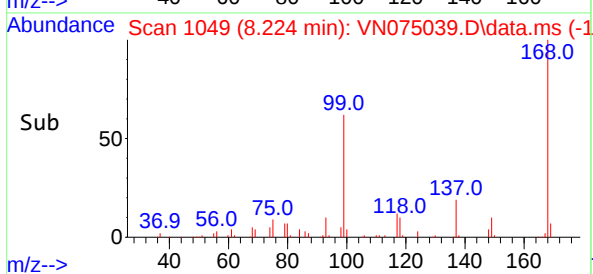
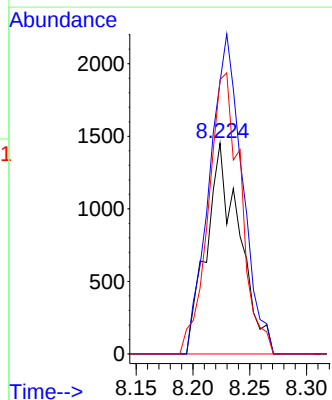
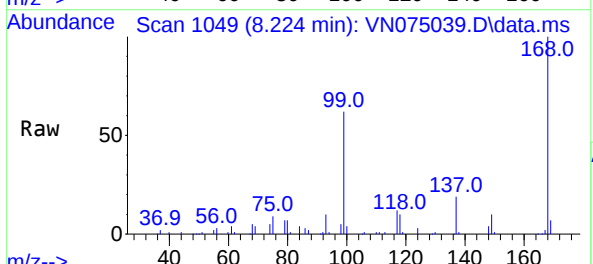
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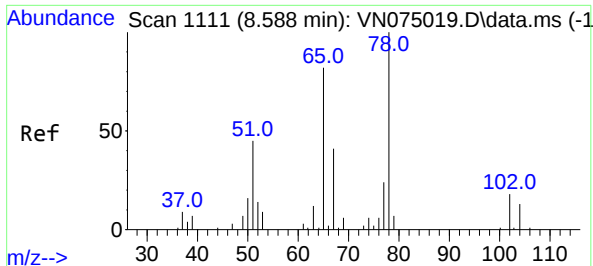
Tgt Ion: 43 Resp: 1016
Ion Ratio Lower Upper
43 100
72 0.0 25.5 38.3#



#31
Cyclohexane
Concen: 1.300 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN075039.D
Acq: 27 Oct 2022 14:31

Tgt Ion: 56 Resp: 2941
Ion Ratio Lower Upper
56 100
69 129.1 25.2 37.8#
84 130.2 77.8 116.8#

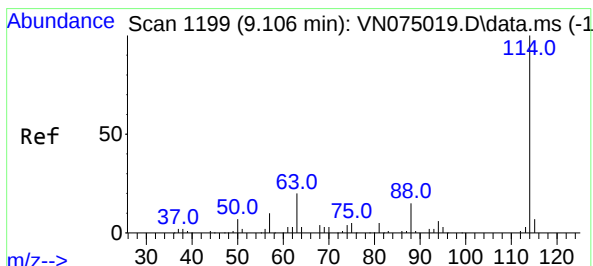
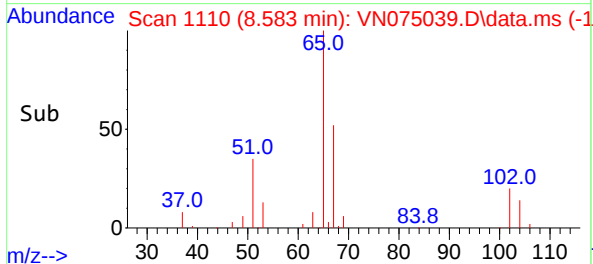
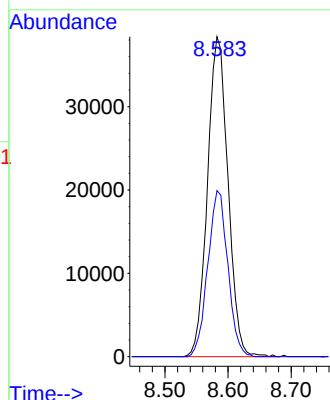
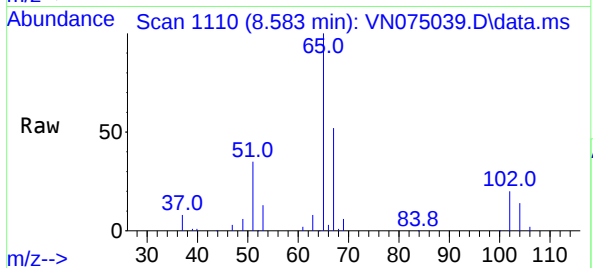




#33
1,2-Dichloroethane-d4
Concen: 56.817 ug/l
RT: 8.583 min Scan# 1111
Delta R.T. -0.005 min
Lab File: VN075039.D
Acq: 27 Oct 2022 14:31

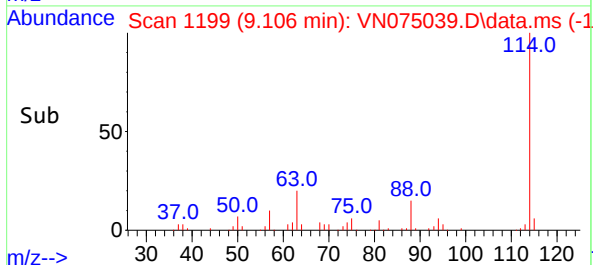
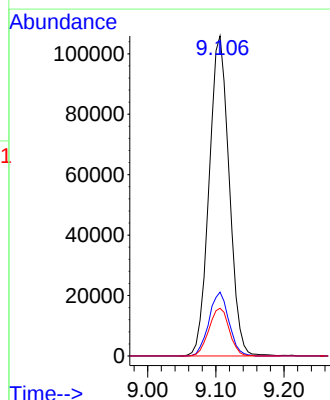
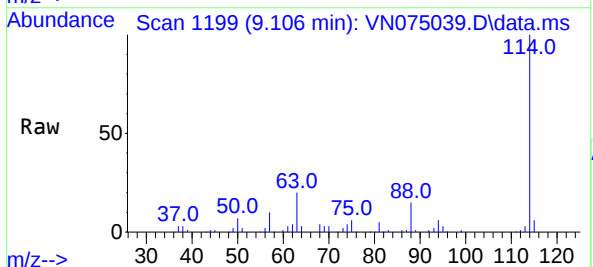
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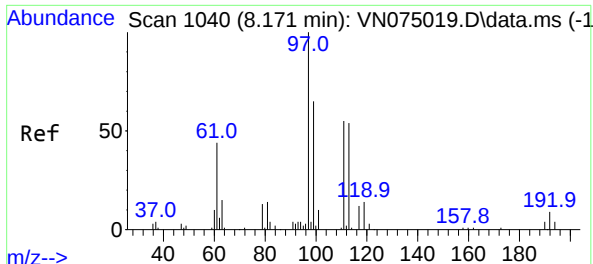
Tgt Ion: 65 Resp: 86435
Ion Ratio Lower Upper
65 100
67 50.7 0.0 102.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075039.D
Acq: 27 Oct 2022 14:31

Tgt Ion: 114 Resp: 216610
Ion Ratio Lower Upper
114 100
63 19.9 0.0 39.6
88 14.9 0.0 29.0

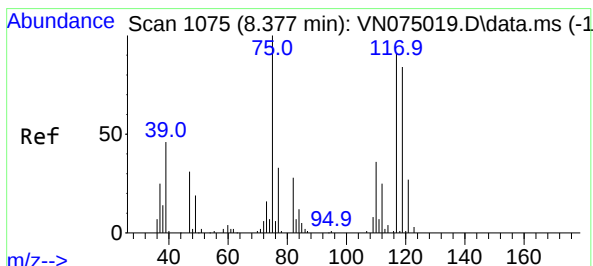
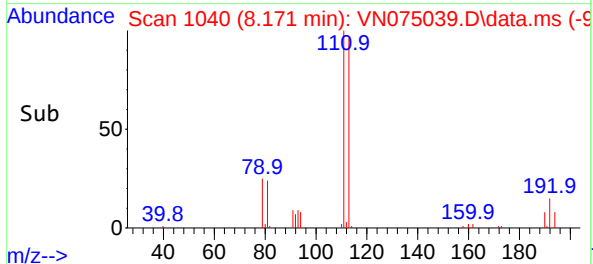
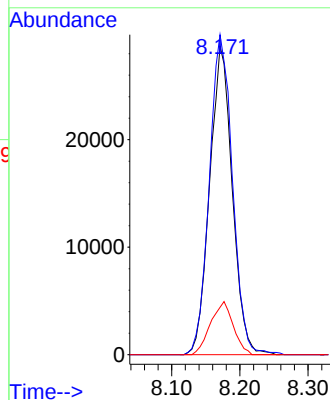
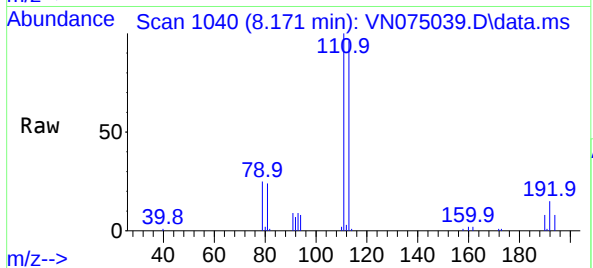




#35
Dibromofluoromethane
Concen: 52.121 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075039.D
Acq: 27 Oct 2022 14:31

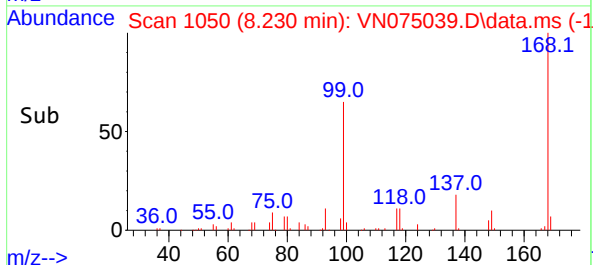
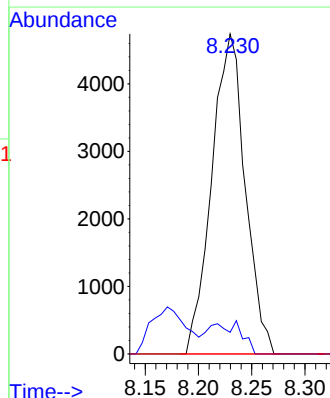
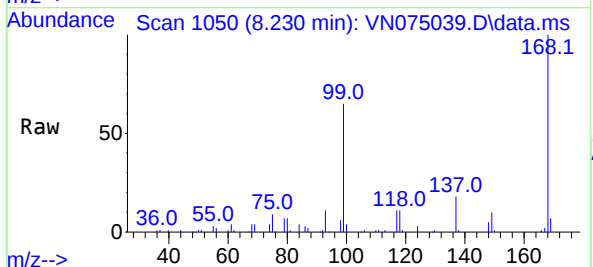
Instrument :
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ClientSampleId :
WC-IDW-0001

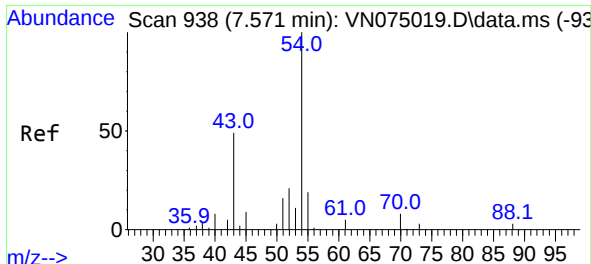
Tgt Ion:113 Resp: 66278
Ion Ratio Lower Upper
113 100
111 106.0 80.5 120.7
192 17.3 13.2 19.8



#36
1,1-Dichloropropene
Concen: 5.253 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN075039.D
Acq: 27 Oct 2022 14:31

Tgt Ion: 75 Resp: 10342
Ion Ratio Lower Upper
75 100
110 9.7 17.8 53.3#
77 0.0 24.6 37.0#

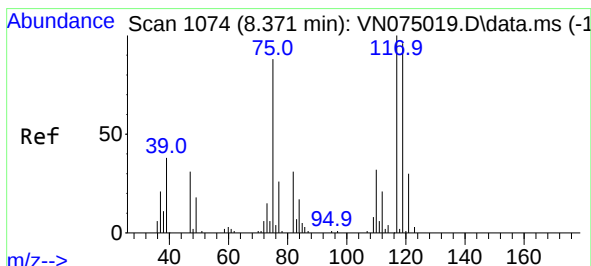
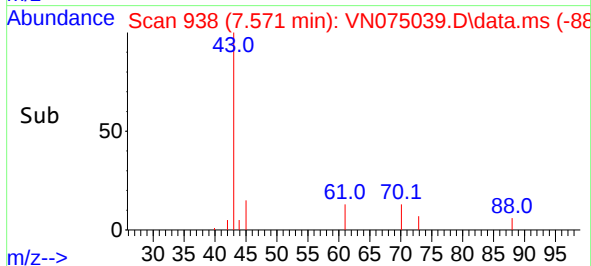
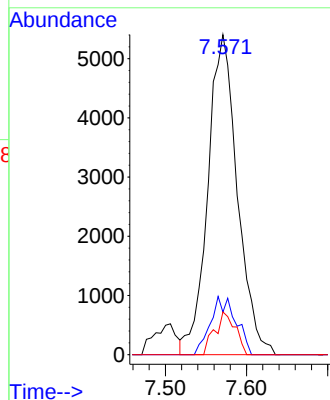
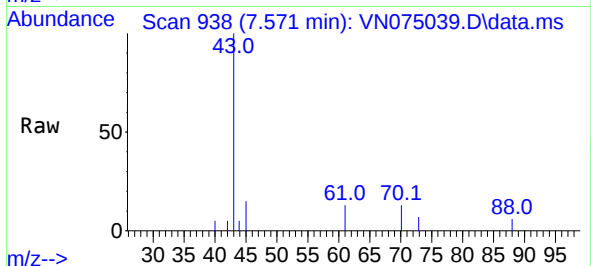




#37
Ethyl Acetate
Concen: 6.336 ug/l
RT: 7.571 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN075039.D
Acq: 27 Oct 2022 14:31

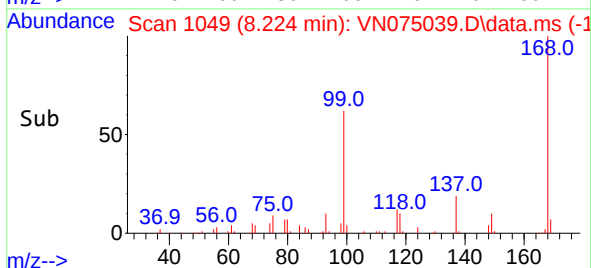
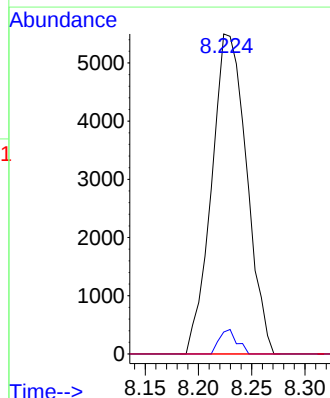
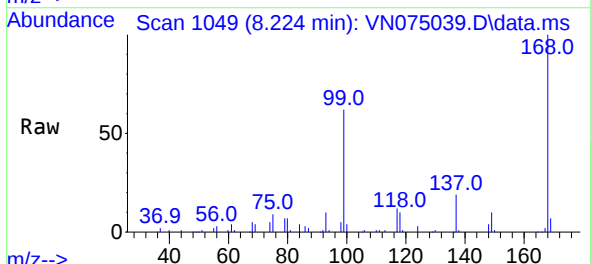
Instrument :
MSVOA_N
ClientSampleId :
WC-IDW-0001

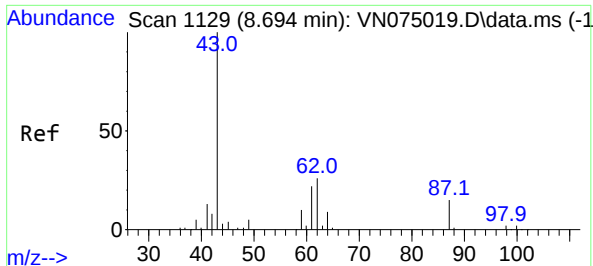
Tgt Ion: 43 Resp: 13679
Ion Ratio Lower Upper
43 100
61 15.6 12.2 18.4
70 9.3 9.4 14.2#



#38
Carbon Tetrachloride
Concen: 5.799 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.147 min
Lab File: VN075039.D
Acq: 27 Oct 2022 14:31

Tgt Ion: 117 Resp: 12559
Ion Ratio Lower Upper
117 100
119 6.8 76.7 115.1#
121 0.0 23.9 35.9#

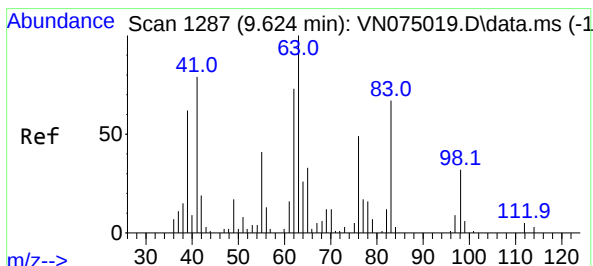
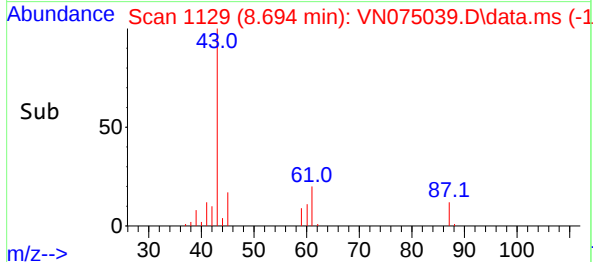
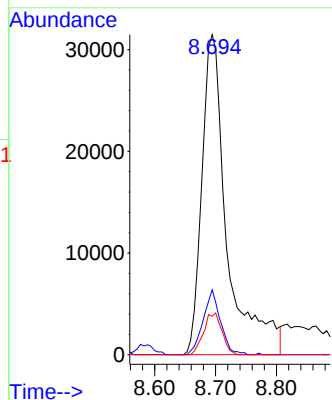
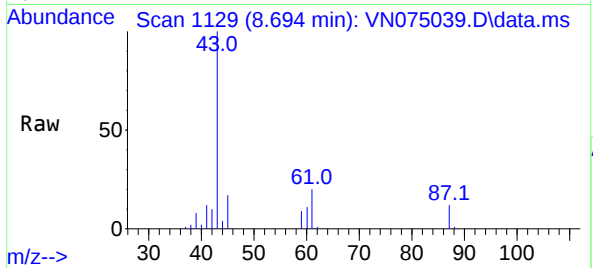




#43
Isopropyl Acetate
Concen: 27.029 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN075039.D
Acq: 27 Oct 2022 14:31

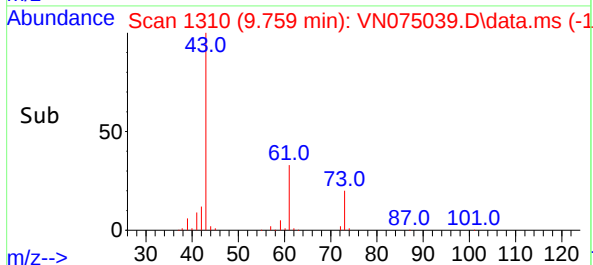
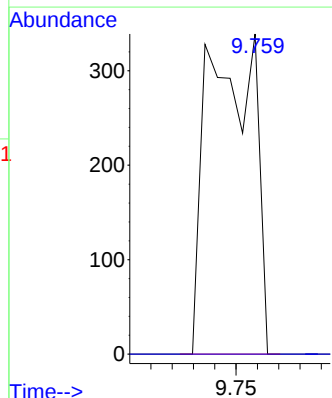
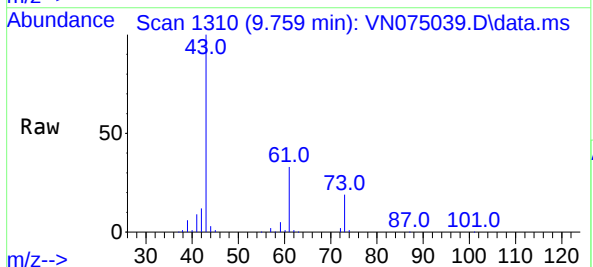
Instrument :
MSVOA_N
ClientSampleId :
WC-IDW-0001

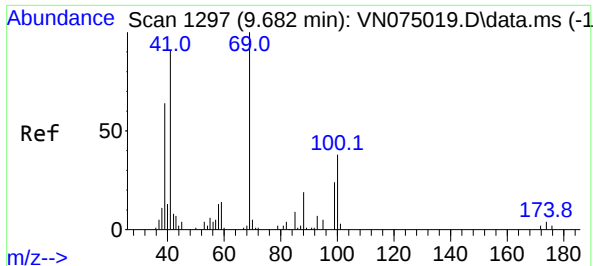
Tgt Ion: 43 Resp: 90516
Ion Ratio Lower Upper
43 100
61 13.9 22.4 33.6#
87 9.4 12.5 18.7#



#45
1,2-Dichloropropane
Concen: 0.365 ug/l
RT: 9.759 min Scan# 1310
Delta R.T. 0.135 min
Lab File: VN075039.D
Acq: 27 Oct 2022 14:31

Tgt Ion: 63 Resp: 524
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#





#48

Methyl methacrylate

Concen: 1.187 ug/l

RT: 9.659 min Scan# 1293

Delta R.T. -0.023 min

Lab File: VN075039.D

Acq: 27 Oct 2022 14:31

Instrument :

MSVOA_N

ClientSampleId :

WC-IDW-0001

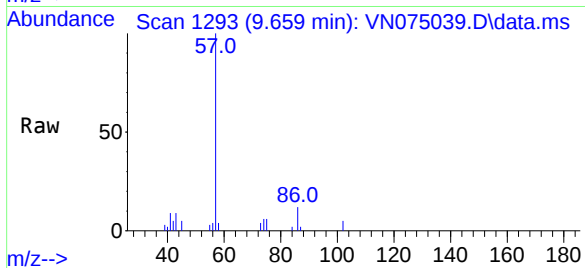
Tgt Ion: 41 Resp: 1823

Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 58.1 56.2 84.2



Abundance

10000

8000

6000

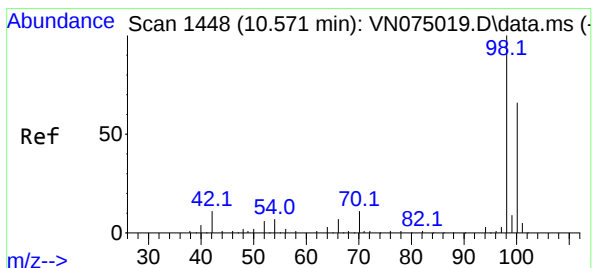
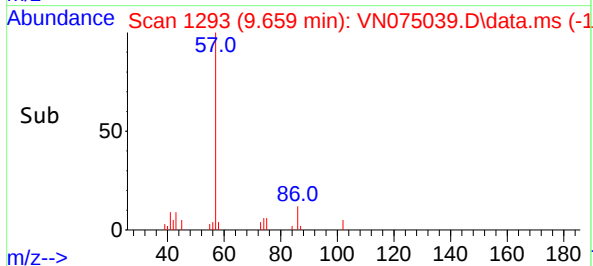
4000

2000

0

9.659

Time-->



#50

Toluene-d8

Concen: 55.140 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN075039.D

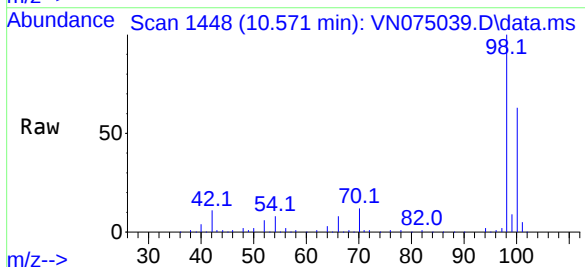
Acq: 27 Oct 2022 14:31

Tgt Ion: 98 Resp: 272034

Ion Ratio Lower Upper

98 100

100 65.3 53.0 79.6



Abundance

150000

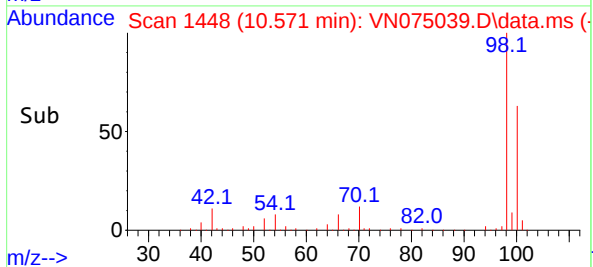
100000

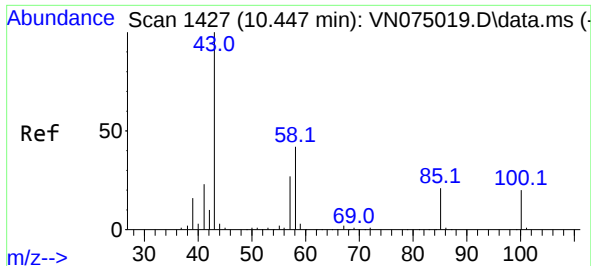
50000

0

10.571

Time-->

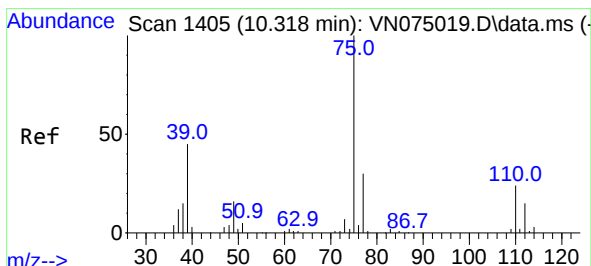
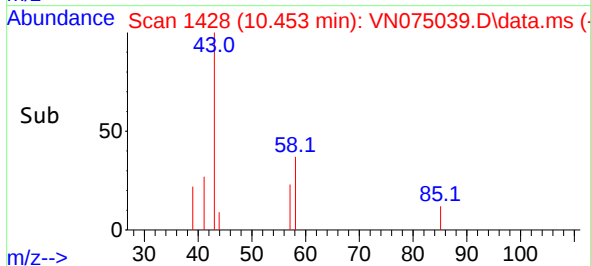
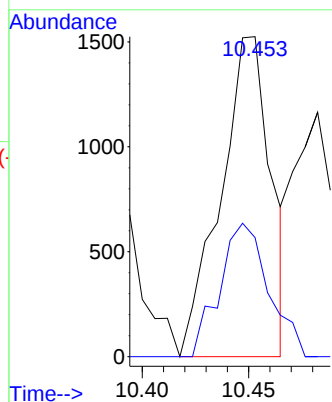
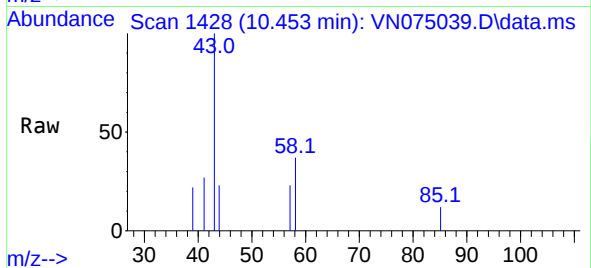




#51
4-Methyl-2-Pentanone
Concen: 1.161 ug/l
RT: 10.453 min Scan# 1412
Delta R.T. 0.006 min
Lab File: VN075039.D
Acq: 27 Oct 2022 14:31

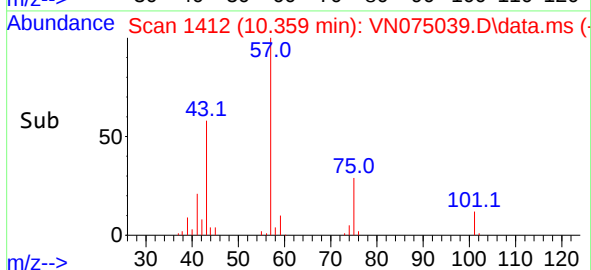
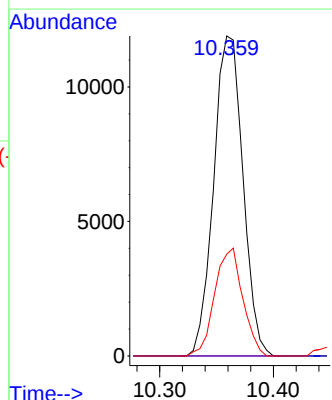
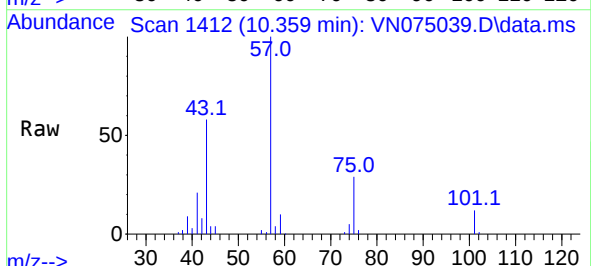
Instrument :
MSVOA_N
ClientSampleId :
WC-IDW-0001

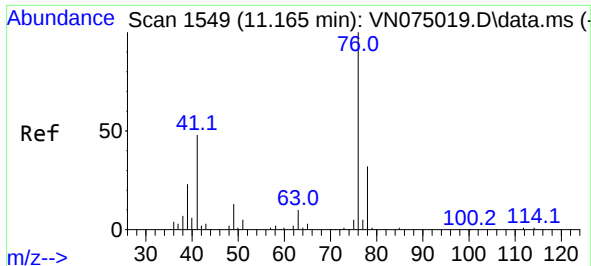
Tgt Ion: 43 Resp: 2510
Ion Ratio Lower Upper
43 100
58 40.7 33.6 50.4



#54
cis-1,3-Dichloropropene
Concen: 8.787 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.041 min
Lab File: VN075039.D
Acq: 27 Oct 2022 14:31

Tgt Ion: 75 Resp: 21291
Ion Ratio Lower Upper
75 100
77 0.0 23.7 35.5#
39 31.8 35.8 53.6#





#57

1,3-Dichloropropane

Concen: 1.019 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.035 min

Lab File: VN075039.D

Acq: 27 Oct 2022 14:31

Instrument :

MSVOA_N

ClientSampleId :

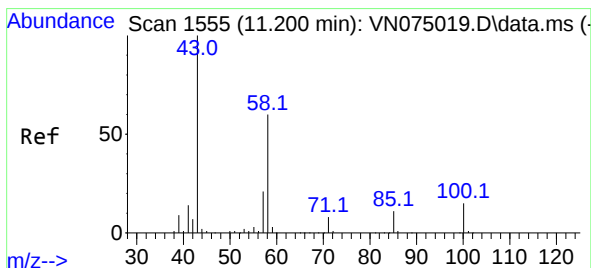
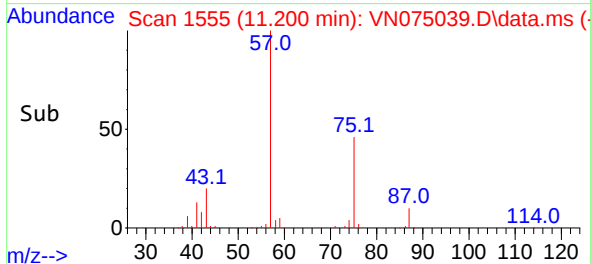
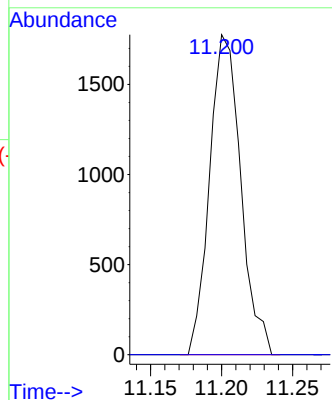
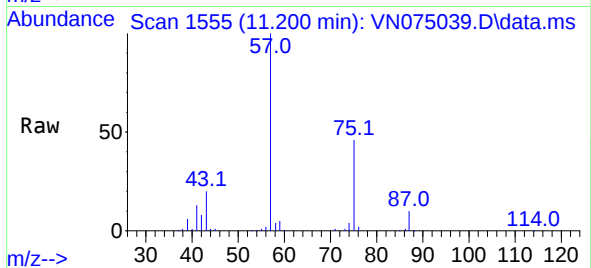
WC-IDW-0001

Tgt Ion: 76 Resp: 2712

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 27.154 ug/l

RT: 11.171 min Scan# 1550

Delta R.T. -0.029 min

Lab File: VN075039.D

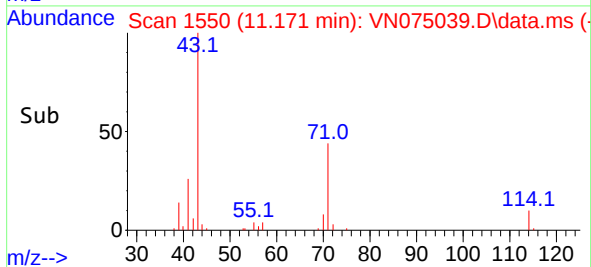
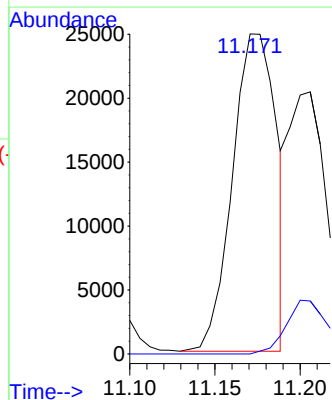
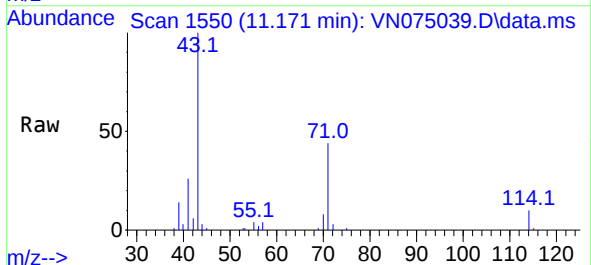
Acq: 27 Oct 2022 14:31

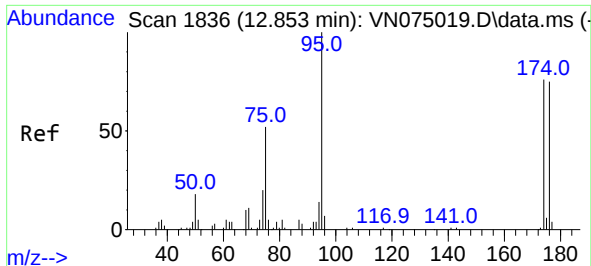
Tgt Ion: 43 Resp: 44537

Ion Ratio Lower Upper

43 100

58 0.0 29.6 88.8#

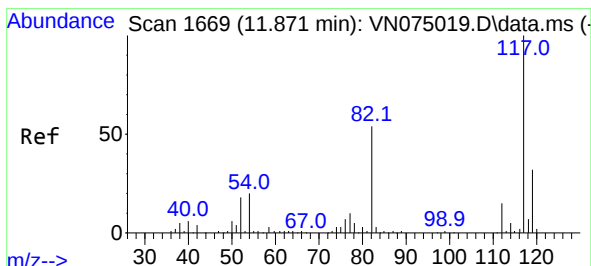
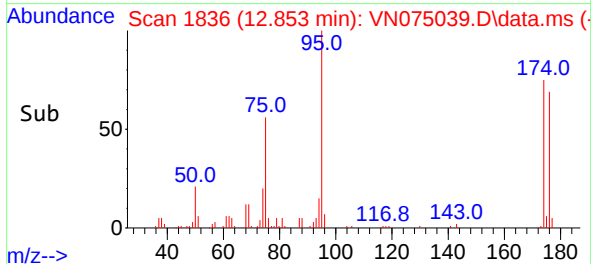
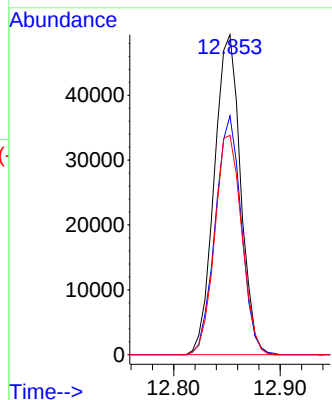
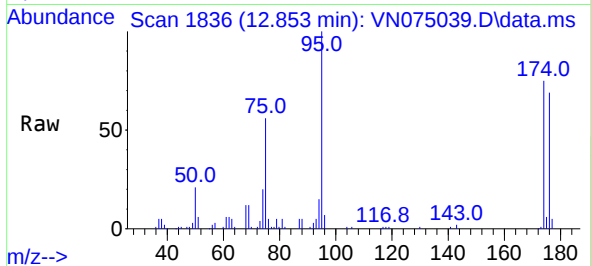




#62
4-Bromofluorobenzene
Concen: 48.659 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075039.D
Acq: 27 Oct 2022 14:31

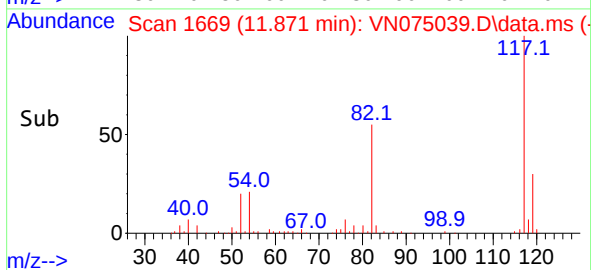
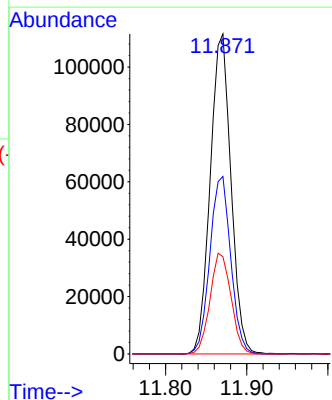
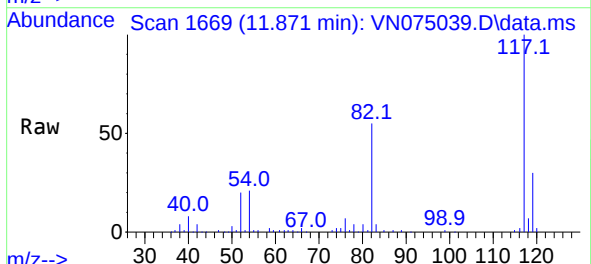
Instrument :
MSVOA_N
ClientSampleId :
WC-IDW-0001

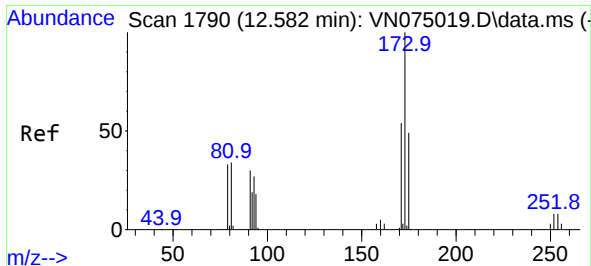
Tgt Ion: 95 Resp: 84329
Ion Ratio Lower Upper
95 100
174 73.8 0.0 147.4
176 70.6 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VN075039.D
Acq: 27 Oct 2022 14:31

Tgt Ion: 117 Resp: 197914
Ion Ratio Lower Upper
117 100
82 55.5 43.1 64.7
119 30.4 25.5 38.3

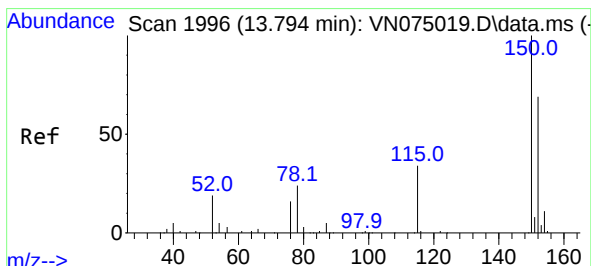
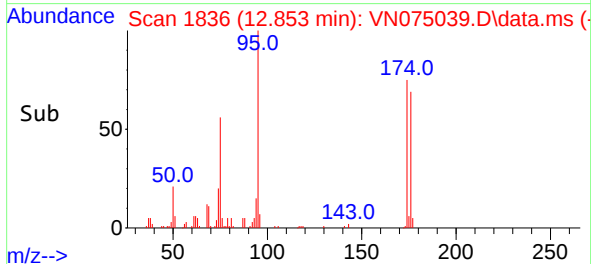
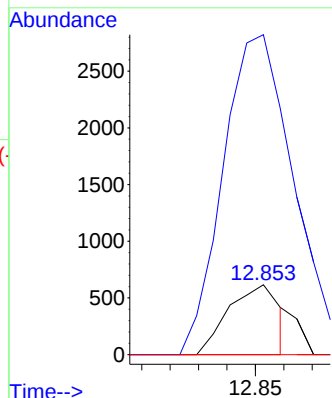
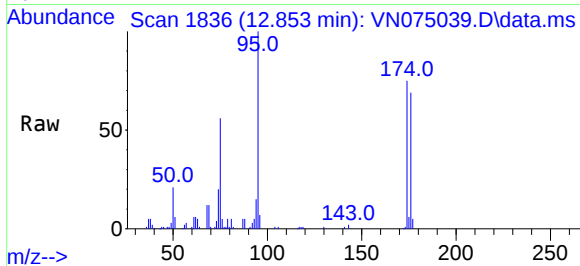




#71
Bromoform
Concen: 0.656 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN075039.D
Acq: 27 Oct 2022 14:31

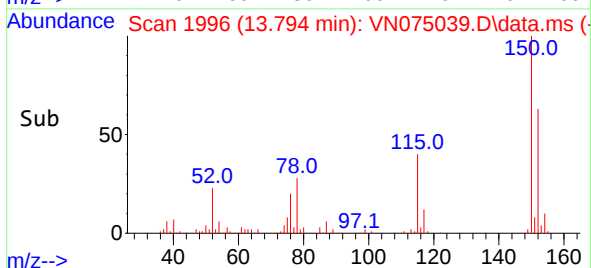
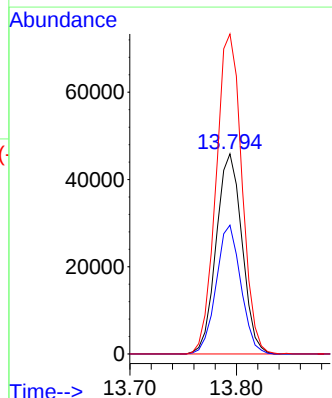
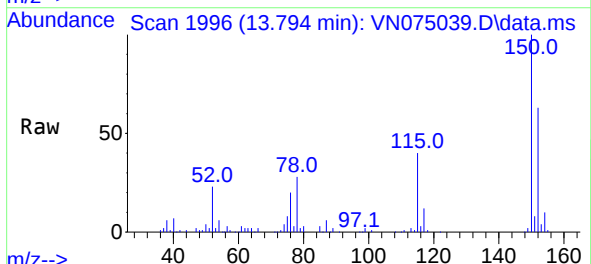
Instrument :
MSVOA_N
ClientSampleId :
WC-IDW-0001

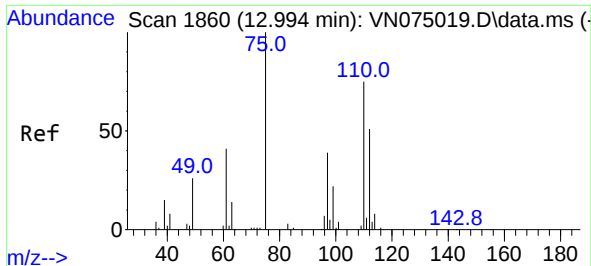
Tgt Ion:173 Resp: 770
Ion Ratio Lower Upper
173 100
175 513.9 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075039.D
Acq: 27 Oct 2022 14:31

Tgt Ion:152 Resp: 77153
Ion Ratio Lower Upper
152 100
115 61.7 30.2 90.6
150 160.1 0.0 348.4

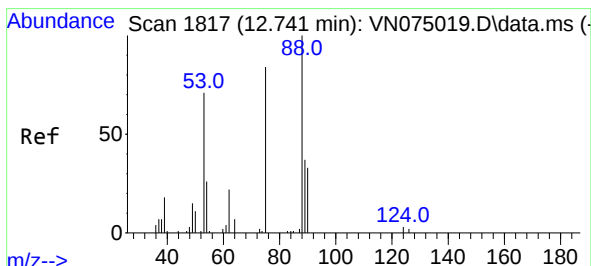
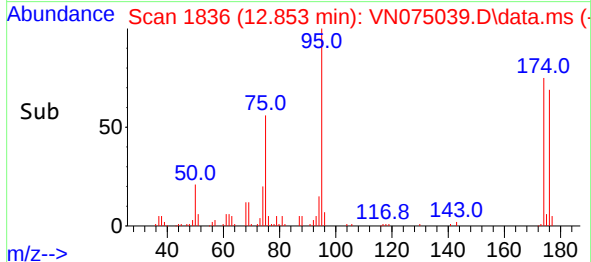
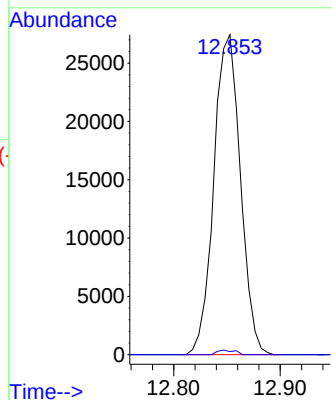
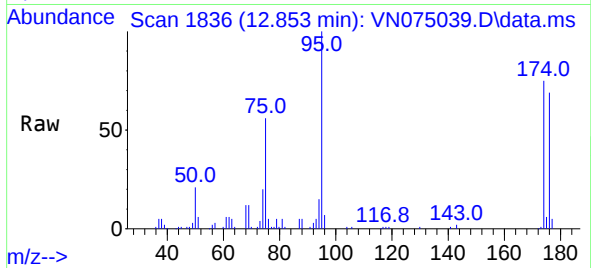




#76
1,2,3-Trichloropropane
Concen: 29.048 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075039.D
Acq: 27 Oct 2022 14:31

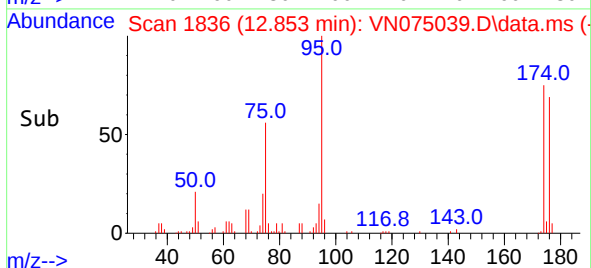
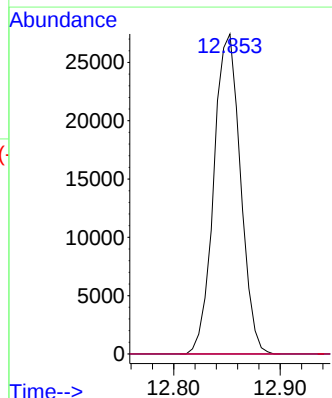
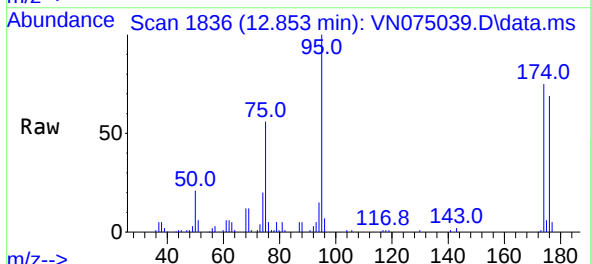
Instrument :
MSVOA_N
ClientSampleId :
WC-IDW-0001

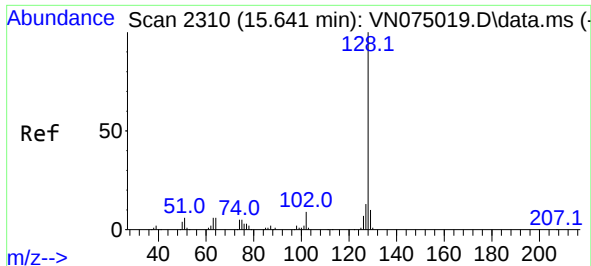
Tgt Ion: 75 Resp: 47586
Ion Ratio Lower Upper
75 100
77 1.0 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.567 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075039.D
Acq: 27 Oct 2022 14:31

Tgt Ion: 75 Resp: 47586
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#





#95

Naphthalene

Concen: 0.351 ug/l

RT: 15.641 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN075039.D

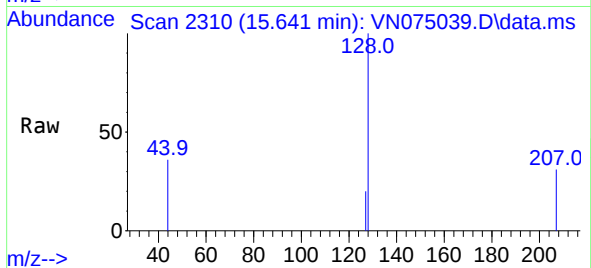
Acq: 27 Oct 2022 14:31

Instrument :

MSVOA_N

ClientSampleId :

WC-IDW-0001



Tgt Ion:128 Resp: 1541

Ion Ratio Lower Upper

128 100

127 4.2 10.4 15.6#

129 0.0 8.6 12.8#

