

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121222\
 Data File : VN075751.D
 Acq On : 13 Dec 2022 09:16
 Operator : JC\MD
 Sample : N5999-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-20

Quant Time: Dec 13 13:04:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 12 07:54:35 2022
 Response via : Initial Calibration

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

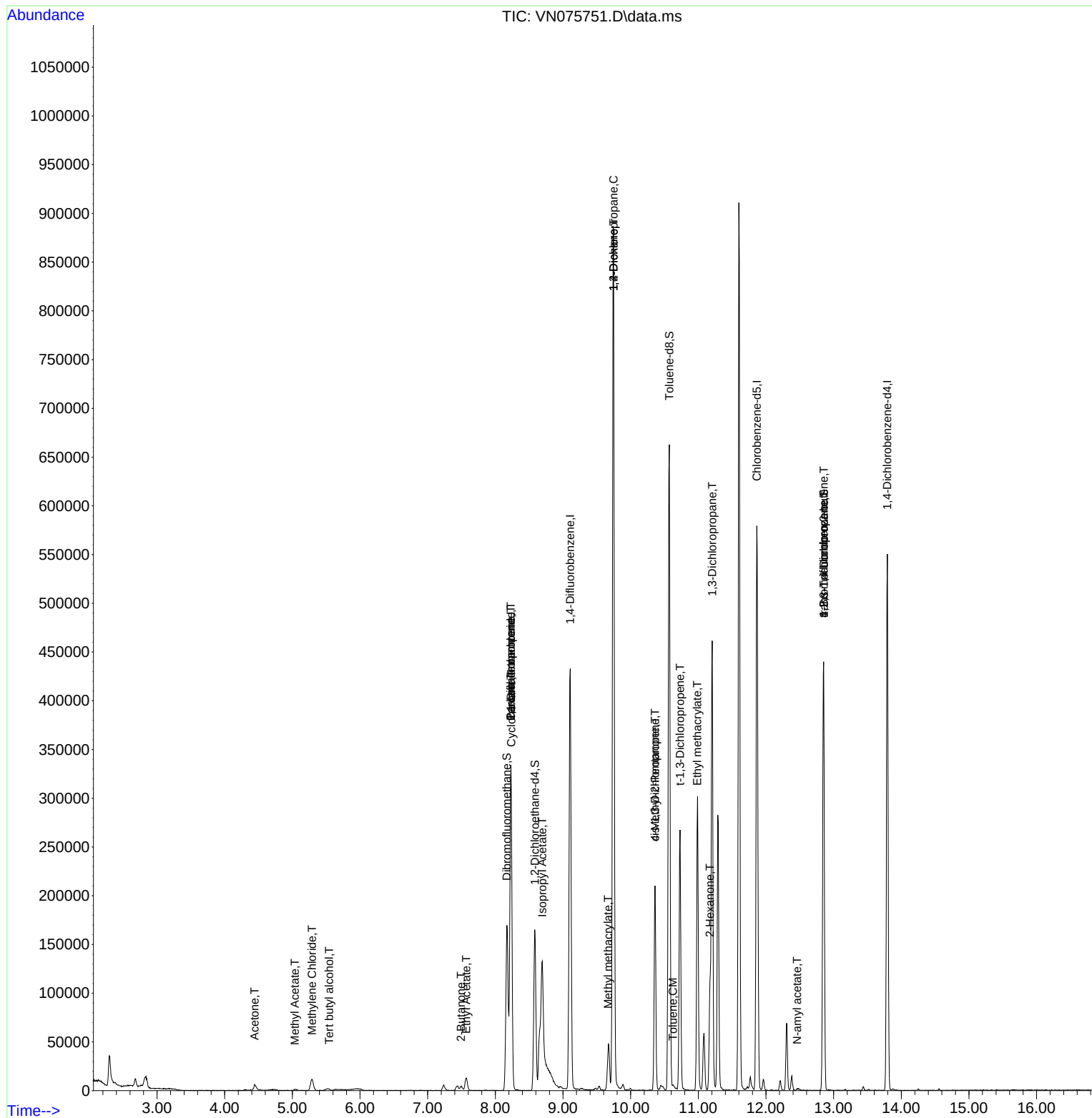
Internal Standards						
1) Pentafluorobenzene	8.230	168	257213	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	408709	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	363004	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	156710	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	132117	48.411	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.820%		
35) Dibromofluoromethane	8.171	113	121191	48.601	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.200%		
50) Toluene-d8	10.571	98	474993	50.722	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.440%		
62) 4-Bromofluorobenzene	12.853	95	148729	46.452	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.900%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.542	59	2726	6.752	ug/l #	72
16) Acetone	4.442	43	10399	11.252	ug/l	95
18) Methyl Acetate	5.036	43	987	0.332	ug/l #	84
20) Methylene Chloride	5.289	84	9701	3.521	ug/l	94
25) 2-Butanone	7.494	43	6879	5.091	ug/l	94
31) Cyclohexane	8.236	56	5072	1.255	ug/l #	38
36) 1,1-Dichloropropene	8.230	75	18113	5.470	ug/l #	47
37) Ethyl Acetate	7.571	43	19936	7.499	ug/l	97
38) Carbon Tetrachloride	8.230	117	25233	6.604	ug/l #	14
43) Isopropyl Acetate	8.694	43	244825	55.164	ug/l #	67
45) 1,2-Dichloropropane	9.747	63	1334	0.552	ug/l #	43
48) Methyl methacrylate	9.665	41	3070	1.502	ug/l #	35
49) 1,4-Dioxane	9.747	88	60	1.208	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	72525	26.501	ug/l #	42
52) Toluene	10.624	92	1865	0.278	ug/l	97
53) t-1,3-Dichloropropene	10.729	75	775	0.221	ug/l #	87
54) cis-1,3-Dichloropropene	10.359	75	41732	10.676	ug/l #	67
56) Ethyl methacrylate	10.982	69	1070	0.299	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5416	1.269	ug/l #	41
59) 2-Hexanone	11.171	43	82147	41.317	ug/l #	20
74) N-amyl acetate	12.459	43	2135	0.653	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	77065	24.487	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	77065	78.182	ug/l #	13

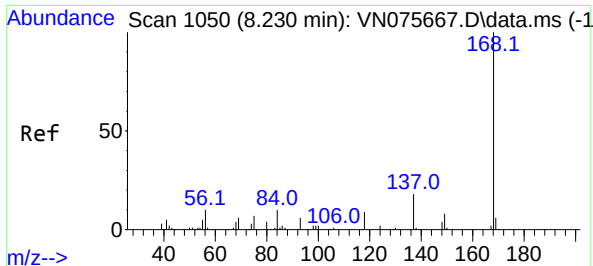
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121222\
Data File : VN075751.D
Acq On : 13 Dec 2022 09:16
Operator : JC\MD
Sample : N5999-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MH-20

Quant Time: Dec 13 13:04:45 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 12 07:54:35 2022
Response via : Initial Calibration

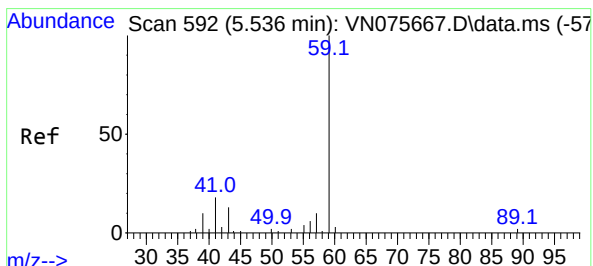
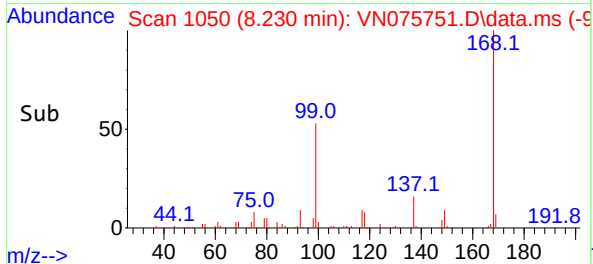
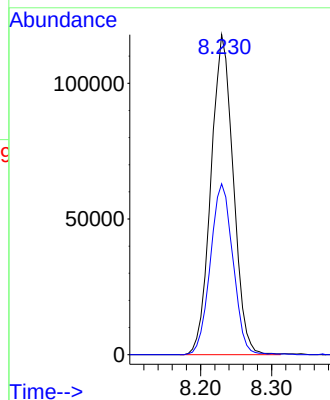
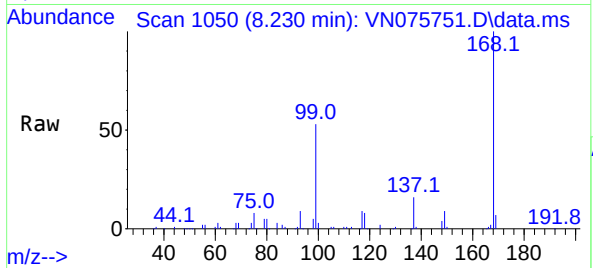




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN075751.D
Acq: 13 Dec 2022 09:16

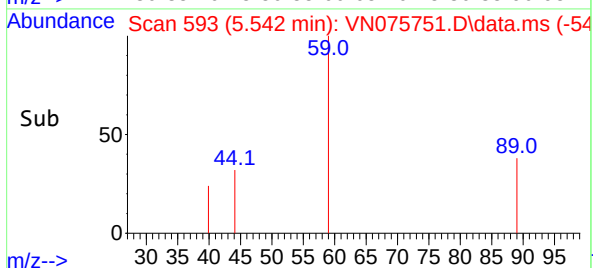
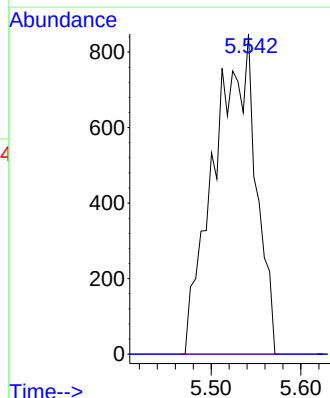
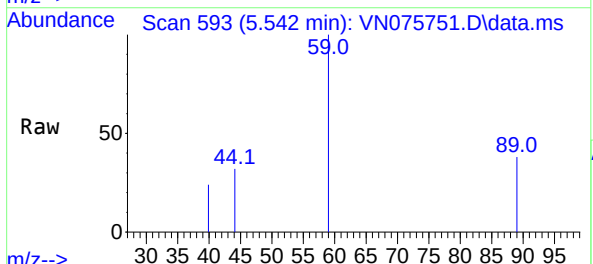
Instrument :
MSVOA_N
ClientSampleId :
MH-20

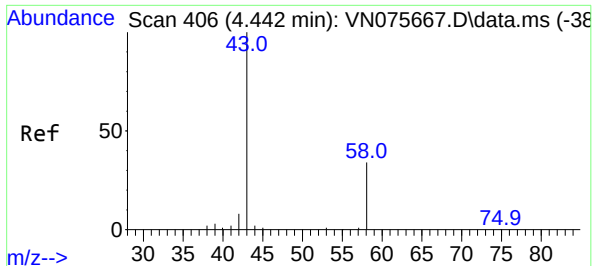
Tgt Ion:168 Resp: 257213
Ion Ratio Lower Upper
168 100
99 53.4 41.2 61.8



#11
Tert butyl alcohol
Concen: 6.752 ug/l
RT: 5.542 min Scan# 593
Delta R.T. 0.006 min
Lab File: VN075751.D
Acq: 13 Dec 2022 09:16

Tgt Ion: 59 Resp: 2726
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

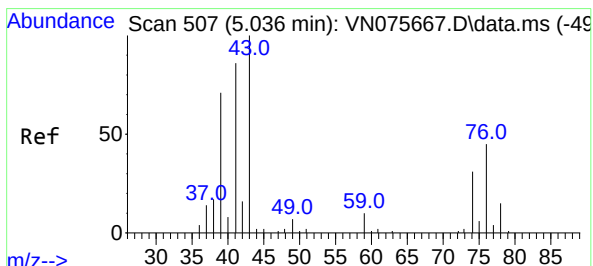
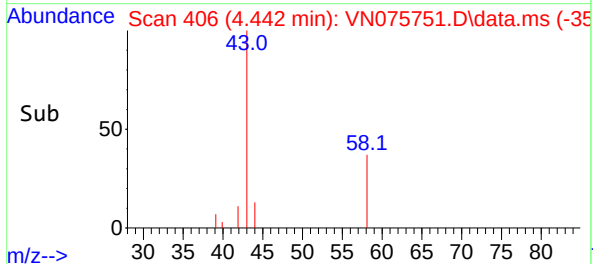
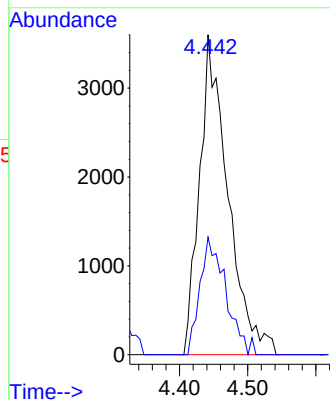
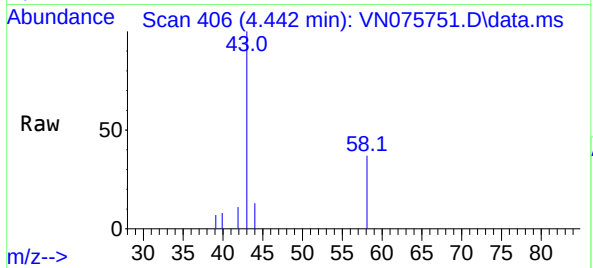




#16
Acetone
Concen: 11.252 ug/l
RT: 4.442 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN075751.D
Acq: 13 Dec 2022 09:16

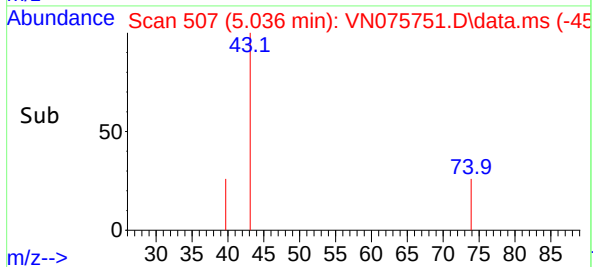
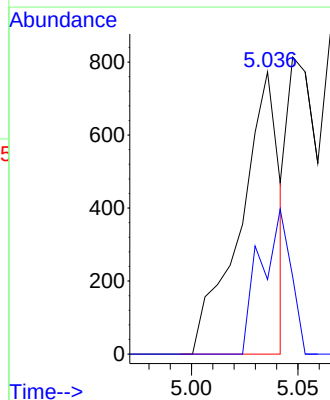
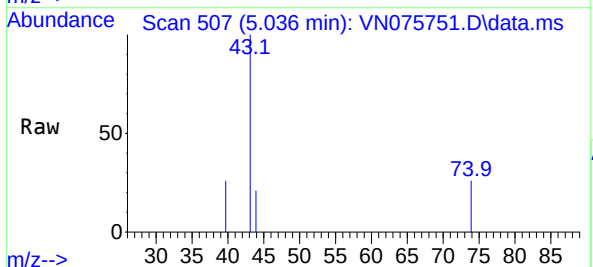
Instrument :
MSVOA_N
ClientSampleId :
MH-20

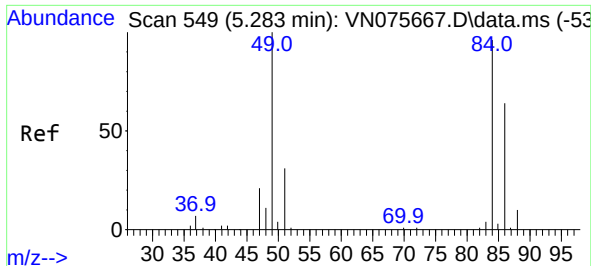
Tgt Ion: 43 Resp: 10399
Ion Ratio Lower Upper
43 100
58 36.7 27.0 40.4



#18
Methyl Acetate
Concen: 0.332 ug/l
RT: 5.036 min Scan# 507
Delta R.T. 0.000 min
Lab File: VN075751.D
Acq: 13 Dec 2022 09:16

Tgt Ion: 43 Resp: 987
Ion Ratio Lower Upper
43 100
74 39.6 24.5 36.7#



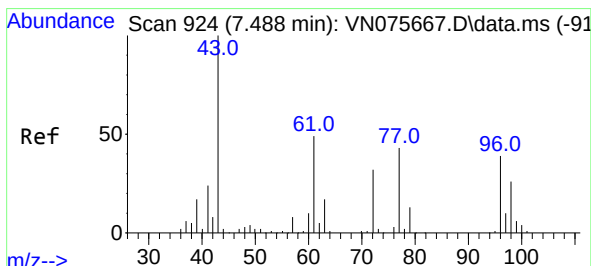
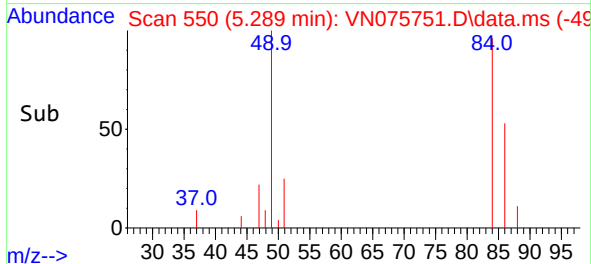
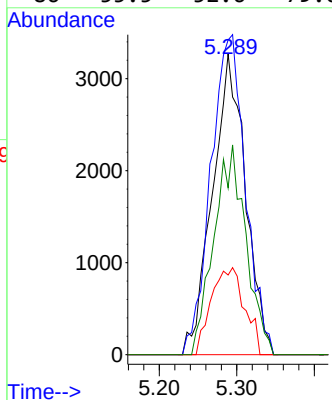
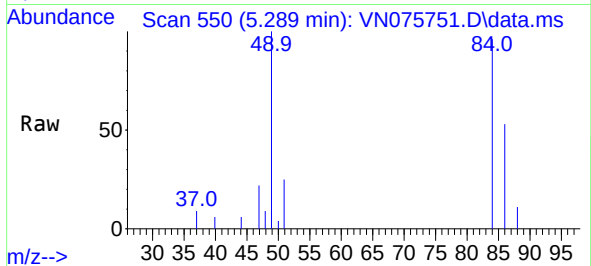


#20
Methylene Chloride
Concen: 3.521 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN075751.D
Acq: 13 Dec 2022 09:16

Instrument :
MSVOA_N
ClientSampleId :
MH-20

Tgt Ion: 84 Resp: 9701

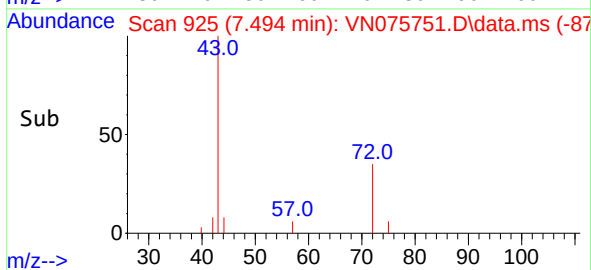
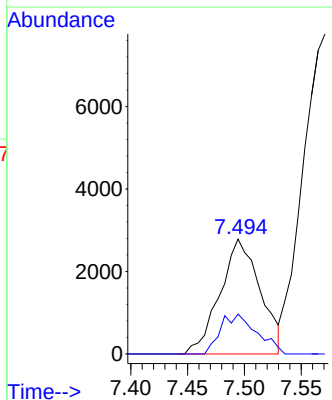
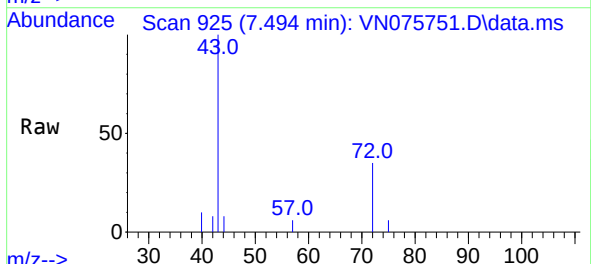
Ion	Ratio	Lower	Upper
84	100		
49	104.6	83.0	124.4
51	26.5	26.0	39.0
86	55.5	52.6	79.0

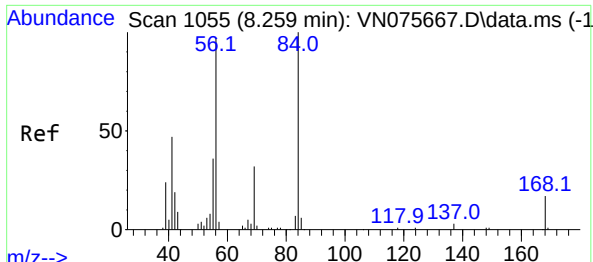


#25
2-Butanone
Concen: 5.091 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.006 min
Lab File: VN075751.D
Acq: 13 Dec 2022 09:16

Tgt Ion: 43 Resp: 6879

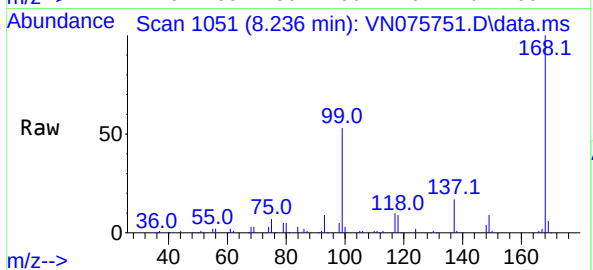
Ion	Ratio	Lower	Upper
43	100		
72	34.8	25.3	37.9



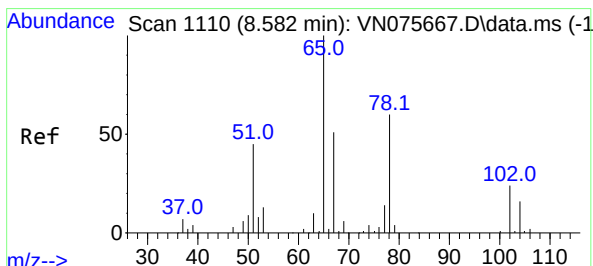
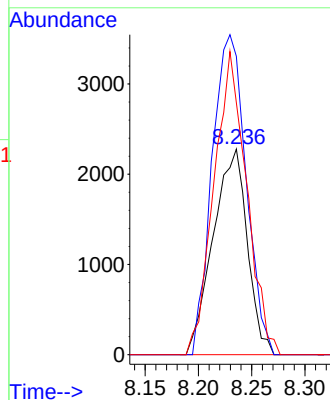
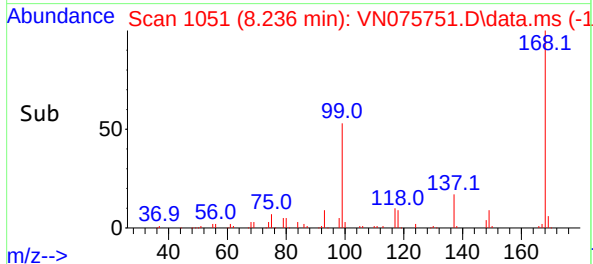


#31
Cyclohexane
Concen: 1.255 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.023 min
Lab File: VN075751.D
Acq: 13 Dec 2022 09:16

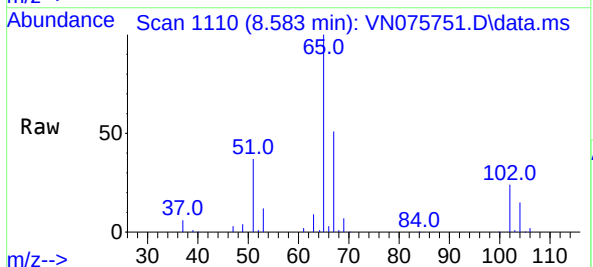
Instrument :
MSVOA_N
ClientSampleId :
MH-20



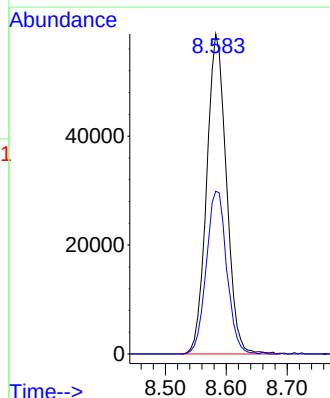
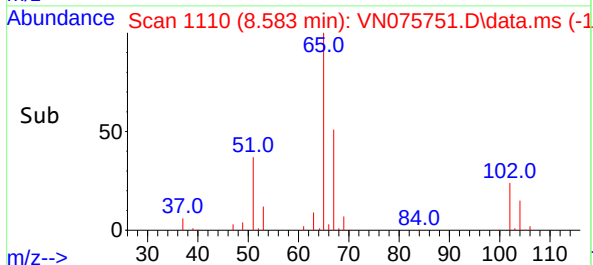
Tgt Ion: 56 Resp: 5072
Ion Ratio Lower Upper
56 100
69 145.1 26.2 39.2#
84 122.5 82.8 124.2

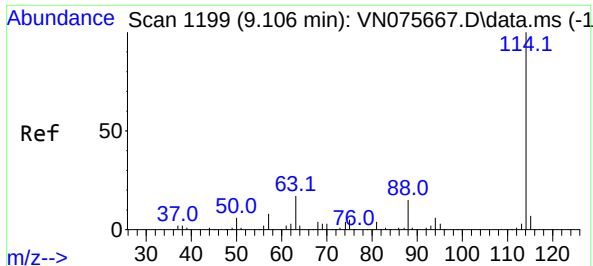


#33
1,2-Dichloroethane-d4
Concen: 48.411 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN075751.D
Acq: 13 Dec 2022 09:16



Tgt Ion: 65 Resp: 132117
Ion Ratio Lower Upper
65 100
67 52.8 0.0 104.2

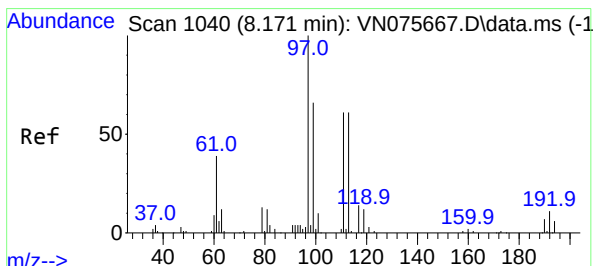
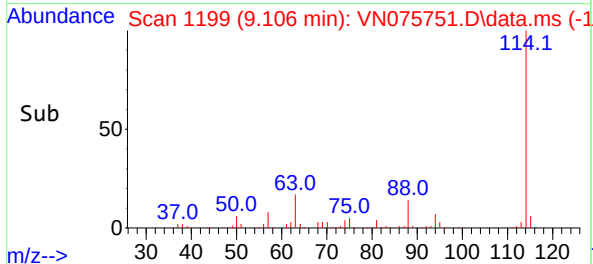
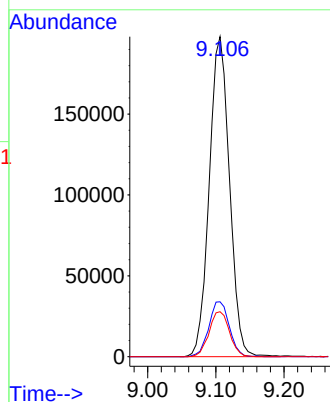
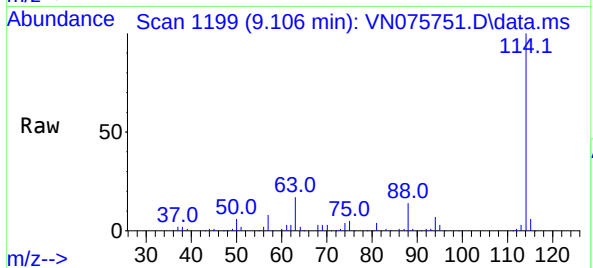




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075751.D
Acq: 13 Dec 2022 09:16

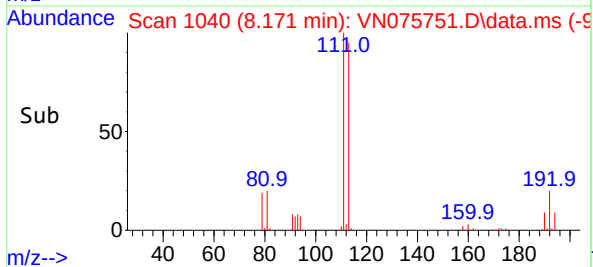
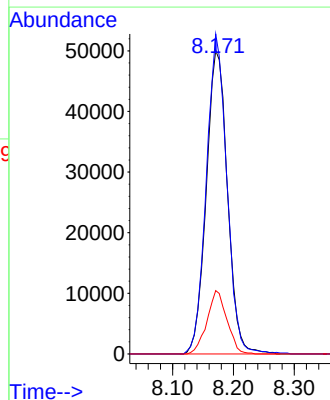
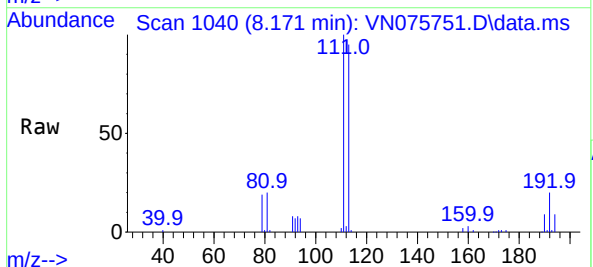
Instrument :
MSVOA_N
ClientSampleId :
MH-20

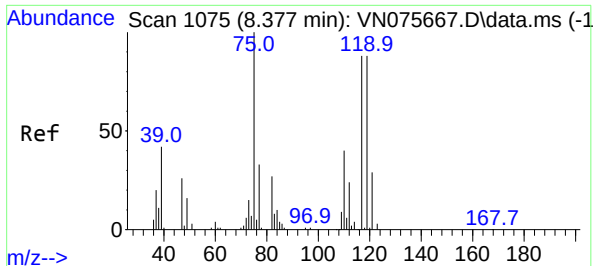
Tgt Ion:114 Resp: 408709
Ion Ratio Lower Upper
114 100
63 17.2 0.0 34.4
88 14.0 0.0 29.2



#35
Dibromofluoromethane
Concen: 48.601 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VN075751.D
Acq: 13 Dec 2022 09:16

Tgt Ion:113 Resp: 121191
Ion Ratio Lower Upper
113 100
111 102.0 81.0 121.6
192 19.6 16.2 24.2





#36

1,1-Dichloropropene

Concen: 5.470 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN075751.D

Acq: 13 Dec 2022 09:16

Instrument :

MSVOA_N

ClientSampleId :

MH-20

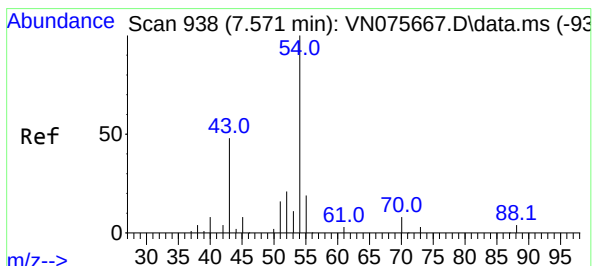
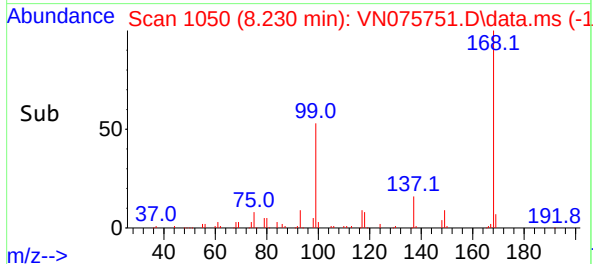
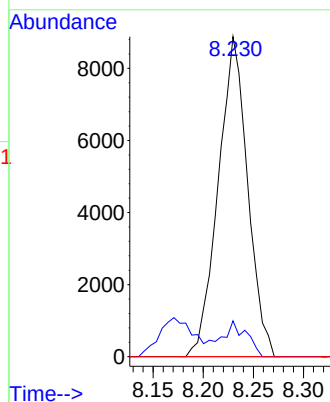
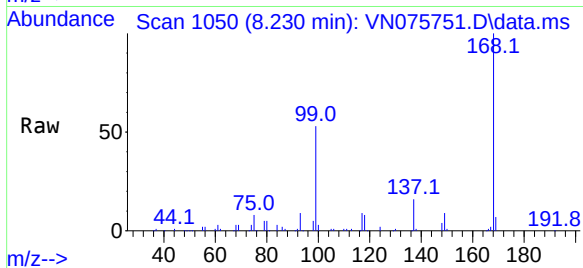
Tgt Ion: 75 Resp: 18113

Ion Ratio Lower Upper

75 100

110 8.2 18.9 56.9#

77 0.0 25.4 38.2#



#37

Ethyl Acetate

Concen: 7.499 ug/l

RT: 7.571 min Scan# 938

Delta R.T. 0.000 min

Lab File: VN075751.D

Acq: 13 Dec 2022 09:16

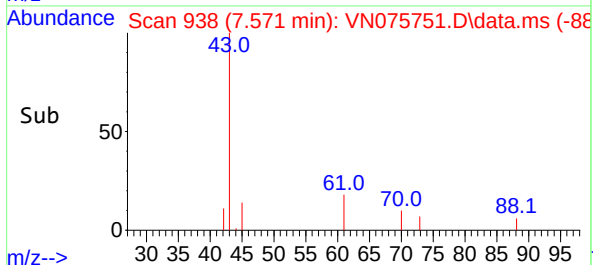
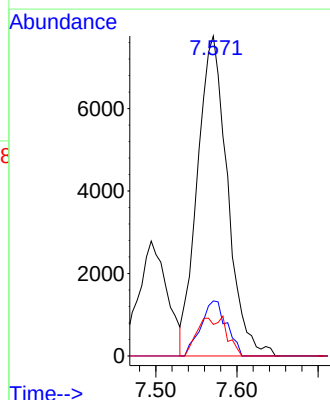
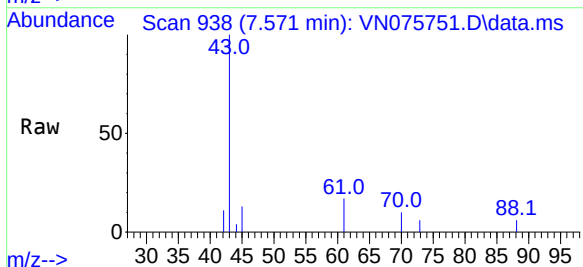
Tgt Ion: 43 Resp: 19936

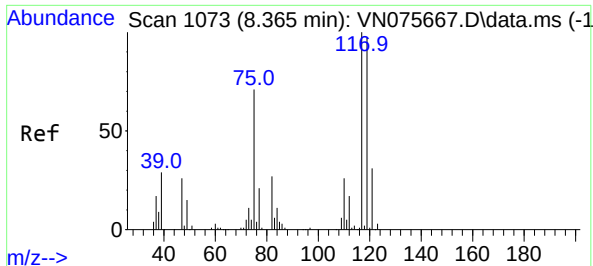
Ion Ratio Lower Upper

43 100

61 14.8 13.3 19.9

70 11.8 9.9 14.9

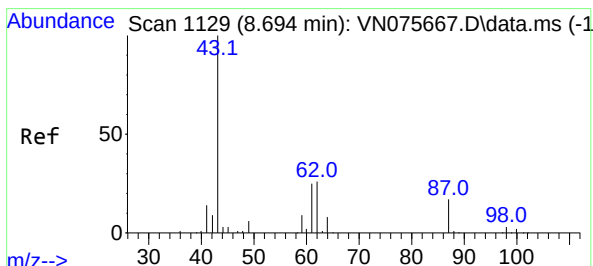
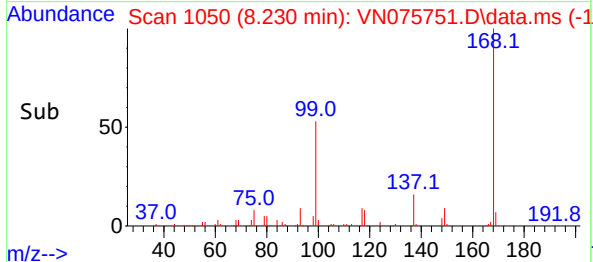
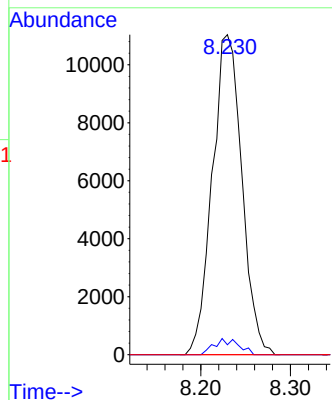
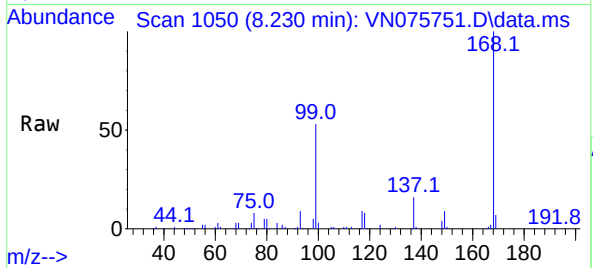




#38
Carbon Tetrachloride
Concen: 6.604 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN075751.D
Acq: 13 Dec 2022 09:16

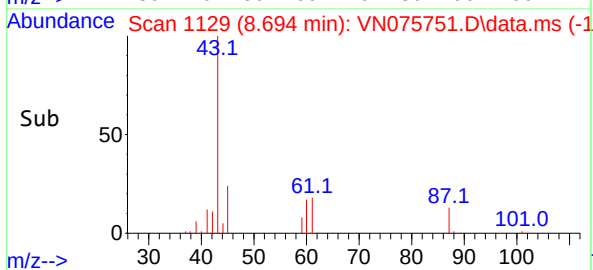
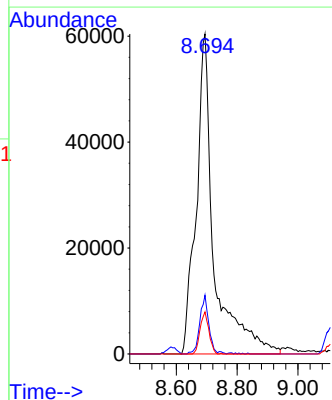
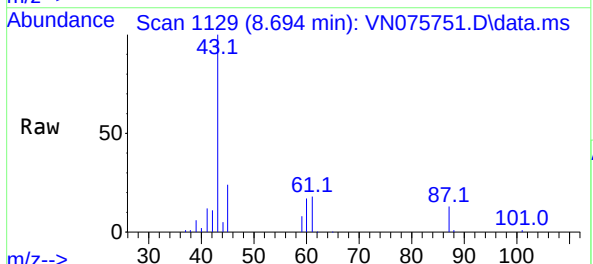
Instrument :
MSVOA_N
ClientSampleId :
MH-20

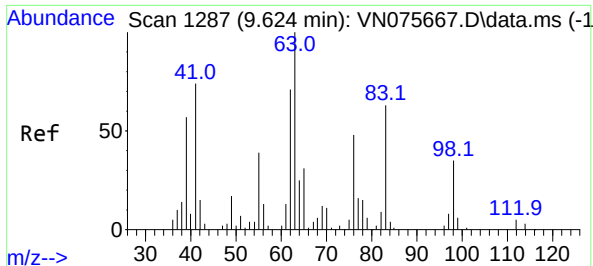
Tgt Ion:117 Resp: 25233
Ion Ratio Lower Upper
117 100
119 3.1 77.2 115.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 55.164 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN075751.D
Acq: 13 Dec 2022 09:16

Tgt Ion: 43 Resp: 244825
Ion Ratio Lower Upper
43 100
61 9.2 23.8 35.8#
87 6.5 13.7 20.5#

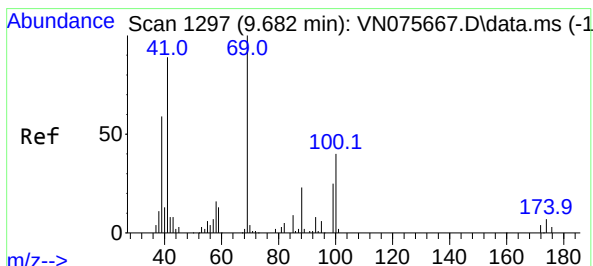
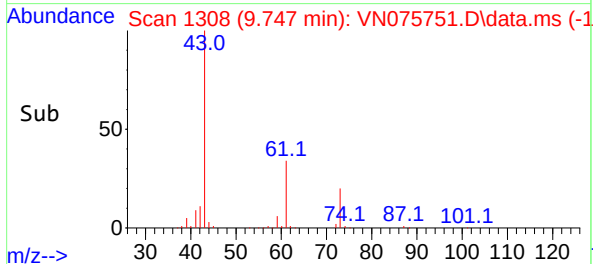
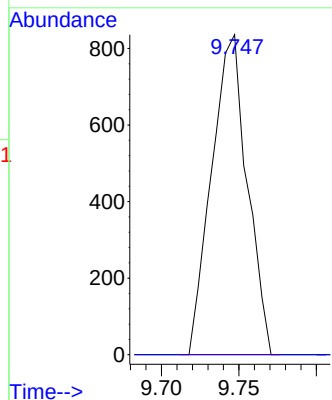
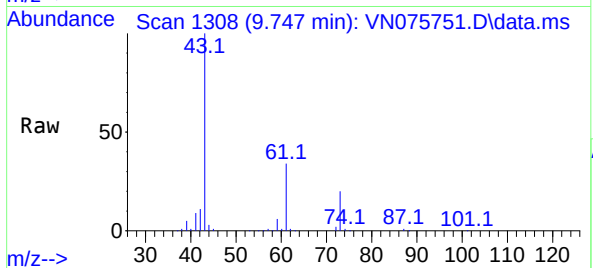




#45
1,2-Dichloropropane
Concen: 0.552 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.124 min
Lab File: VN075751.D
Acq: 13 Dec 2022 09:16

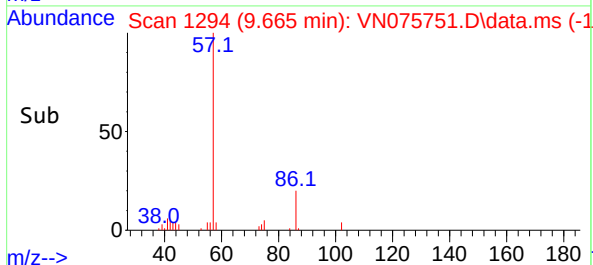
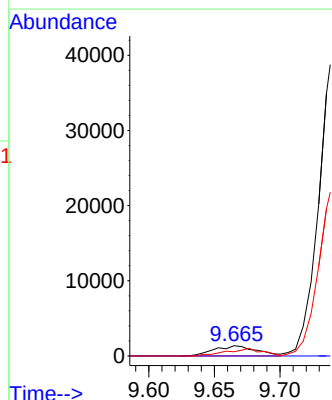
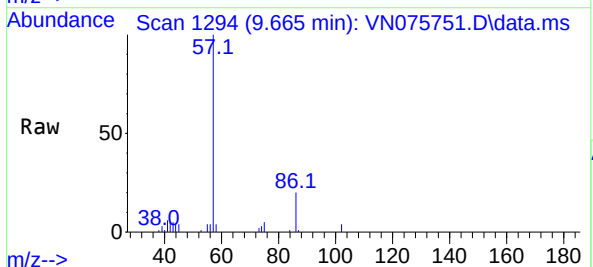
Instrument :
MSVOA_N
ClientSampleId :
MH-20

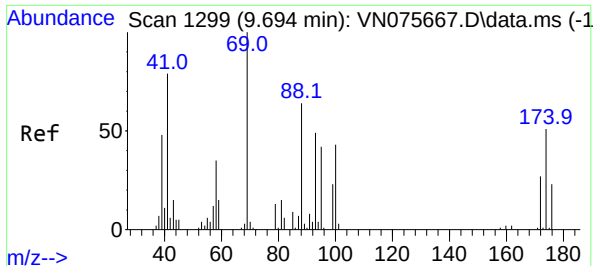
Tgt Ion: 63 Resp: 1334
Ion Ratio Lower Upper
63 100
65 0.0 25.1 37.7#



#48
Methyl methacrylate
Concen: 1.502 ug/l
RT: 9.665 min Scan# 1294
Delta R.T. -0.018 min
Lab File: VN075751.D
Acq: 13 Dec 2022 09:16

Tgt Ion: 41 Resp: 3070
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 60.6 53.2 79.8

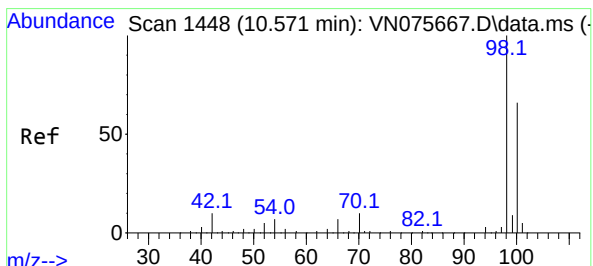
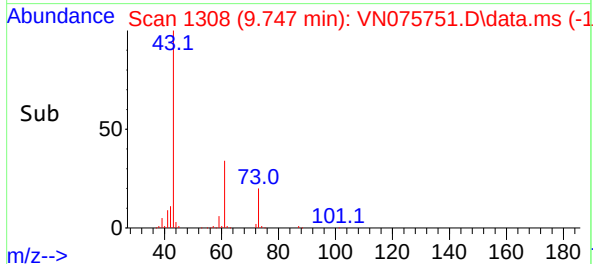
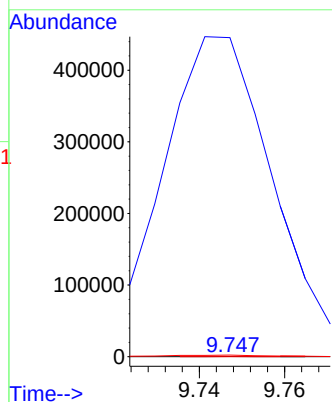
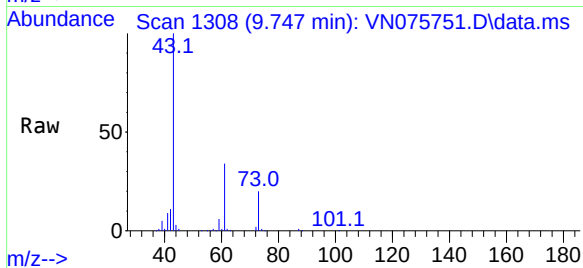




#49
1,4-Dioxane
Concen: 1.208 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.053 min
Lab File: VN075751.D
Acq: 13 Dec 2022 09:16

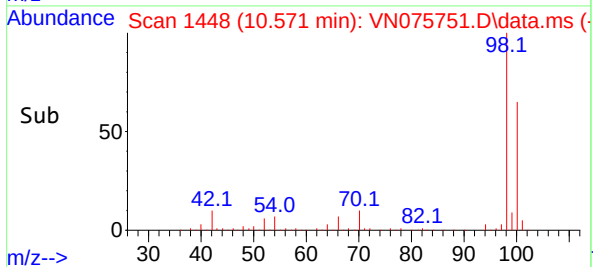
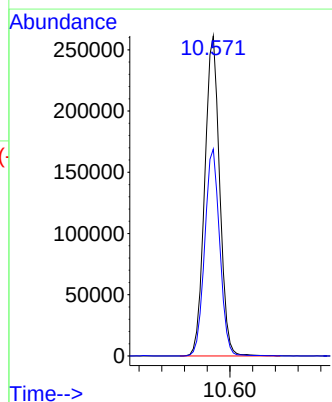
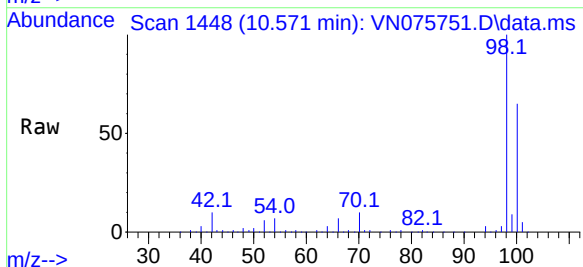
Instrument :
MSVOA_N
ClientSampleId :
MH-20

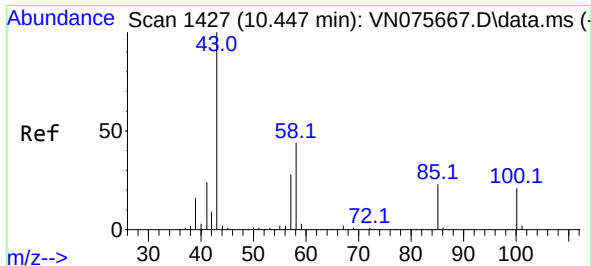
Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 1381648.3 17.4 26.0#
58 6110.0 46.8 70.2#



#50
Toluene-d8
Concen: 50.722 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN075751.D
Acq: 13 Dec 2022 09:16

Tgt Ion: 98 Resp: 474993
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8

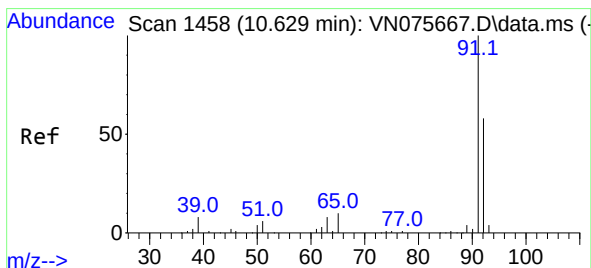
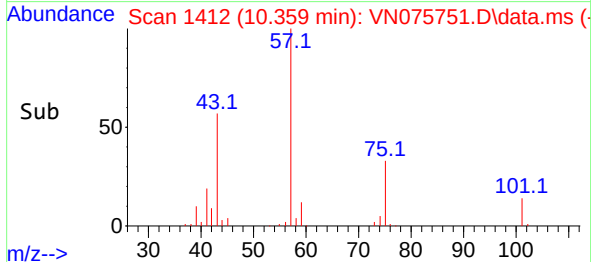
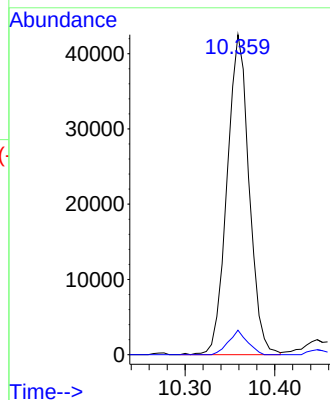
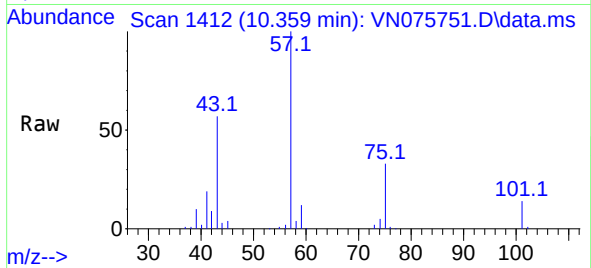




#51
4-Methyl-2-Pentanone
Concen: 26.501 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. -0.088 min
Lab File: VN075751.D
Acq: 13 Dec 2022 09:16

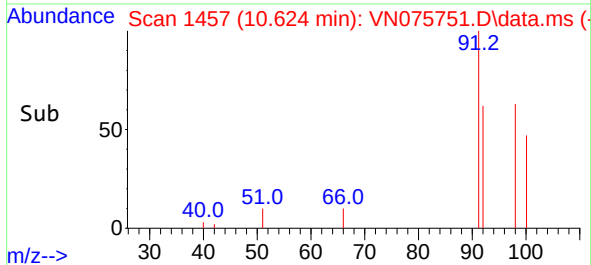
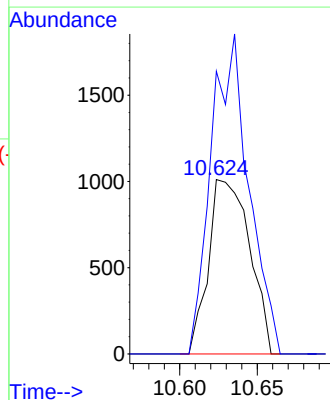
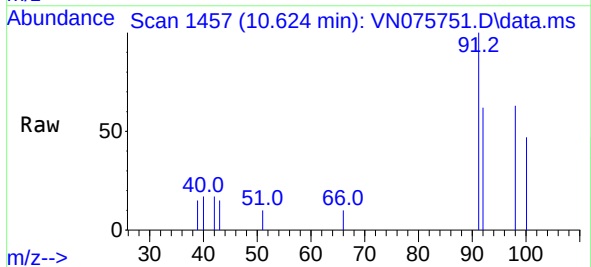
Instrument :
MSVOA_N
ClientSampleId :
MH-20

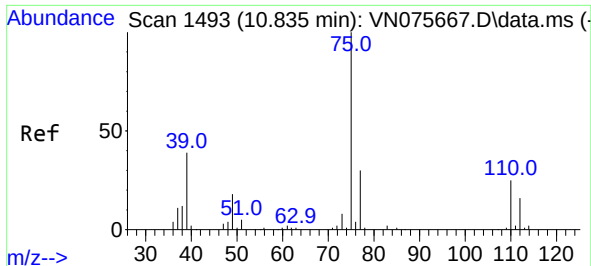
Tgt Ion: 43 Resp: 72525
Ion Ratio Lower Upper
43 100
58 6.5 35.0 52.6#



#52
Toluene
Concen: 0.278 ug/l
RT: 10.624 min Scan# 1457
Delta R.T. -0.006 min
Lab File: VN075751.D
Acq: 13 Dec 2022 09:16

Tgt Ion: 92 Resp: 1865
Ion Ratio Lower Upper
92 100
91 168.0 137.9 206.9

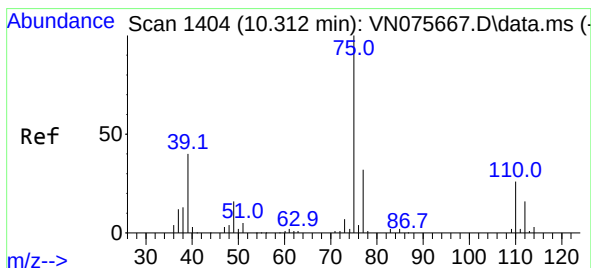
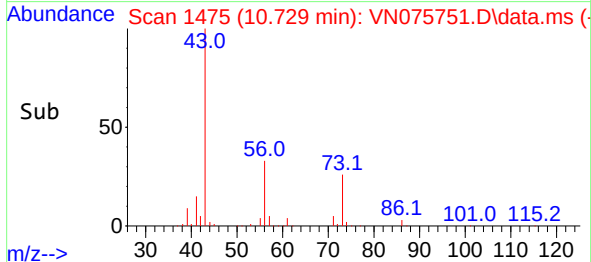
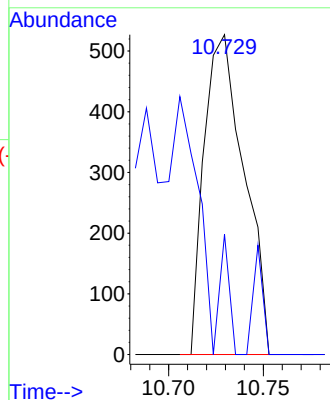
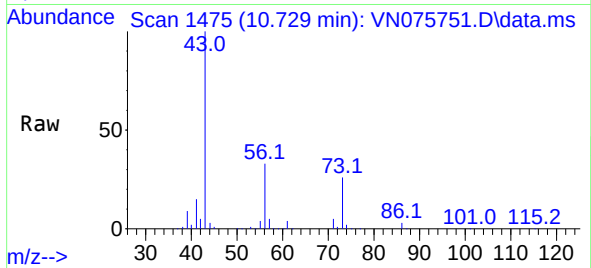




#53
 t-1,3-Dichloropropene
 Concen: 0.221 ug/l
 RT: 10.729 min Scan# 1412
 Delta R.T. -0.106 min
 Lab File: VN075751.D
 Acq: 13 Dec 2022 09:16

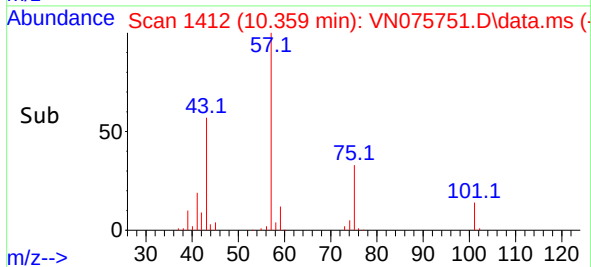
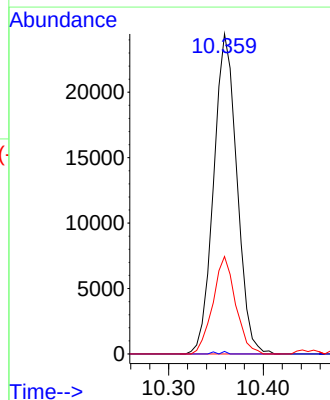
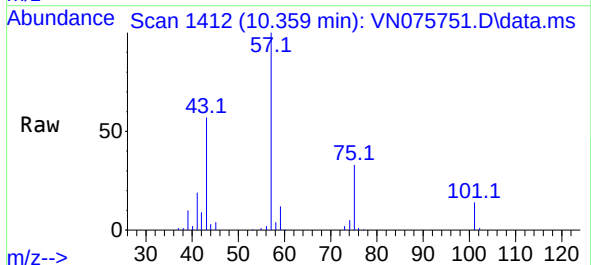
Instrument :
 MSVOA_N
 ClientSampleId :
 MH-20

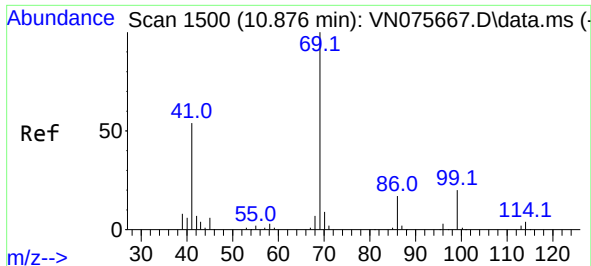
Tgt Ion: 75 Resp: 775
 Ion Ratio Lower Upper
 75 100
 77 37.6 24.3 36.5#



#54
 cis-1,3-Dichloropropene
 Concen: 10.676 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN075751.D
 Acq: 13 Dec 2022 09:16

Tgt Ion: 75 Resp: 41732
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.3 37.9#
 39 30.4 32.0 48.0#

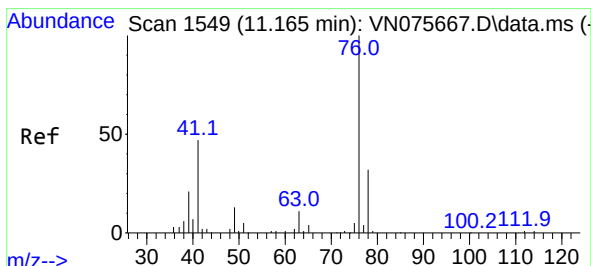
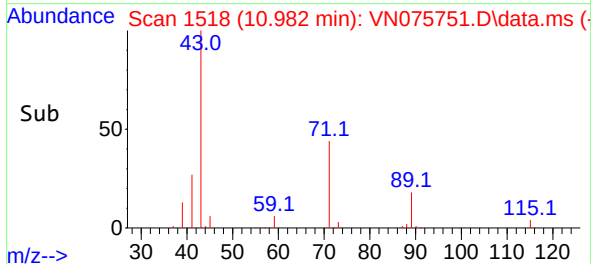
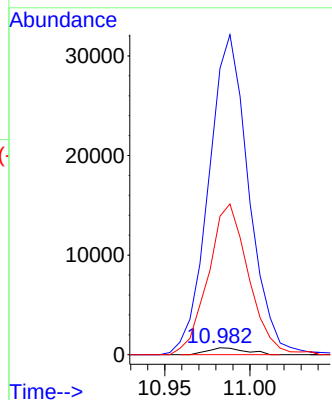
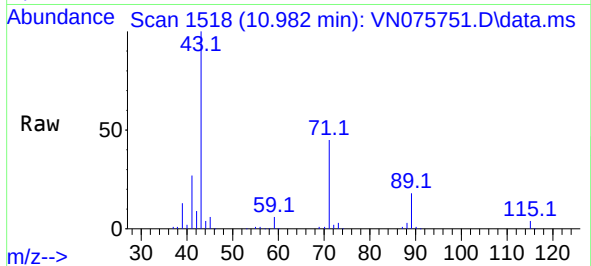




#56
Ethyl methacrylate
Concen: 0.299 ug/l
RT: 10.982 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN075751.D
Acq: 13 Dec 2022 09:16

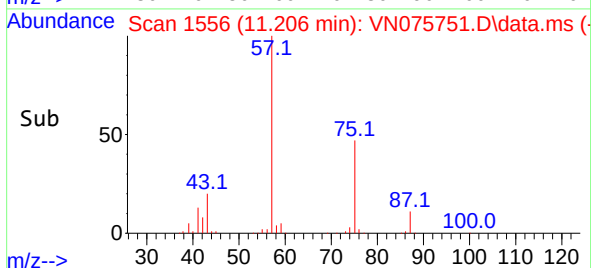
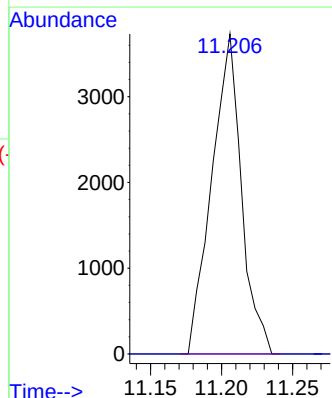
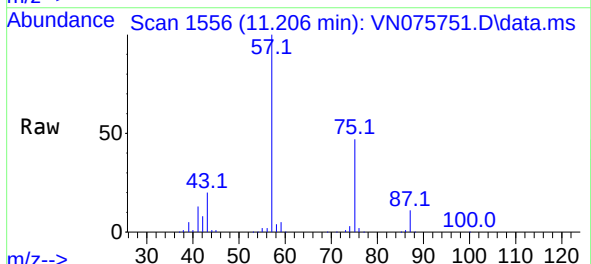
Instrument :
MSVOA_N
ClientSampleId :
MH-20

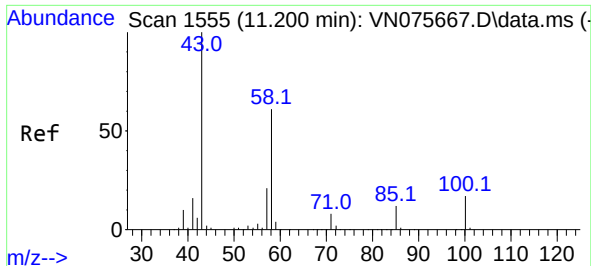
Tgt Ion: 69 Resp: 1070
Ion Ratio Lower Upper
69 100
41 4934.1 44.1 66.1#
39 2335.0 27.7 41.5#



#57
1,3-Dichloropropane
Concen: 1.269 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN075751.D
Acq: 13 Dec 2022 09:16

Tgt Ion: 76 Resp: 5416
Ion Ratio Lower Upper
76 100
78 0.0 26.8 40.2#

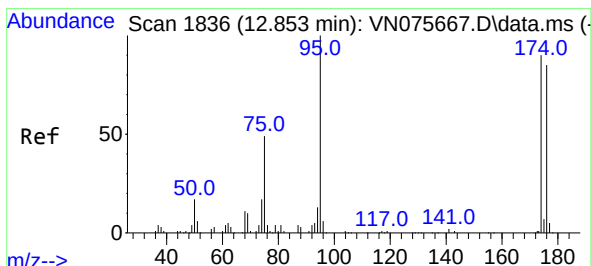
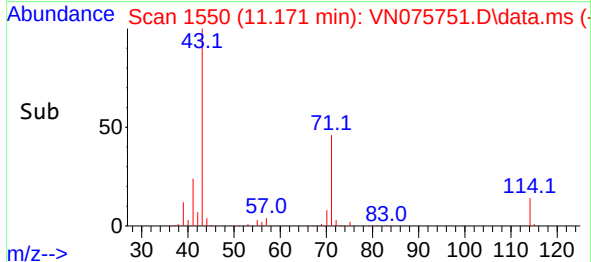
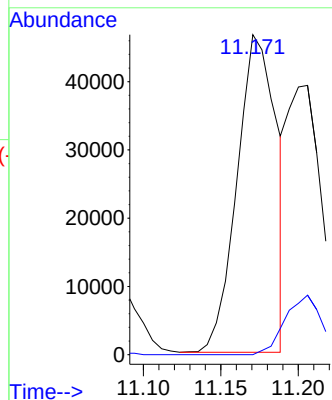
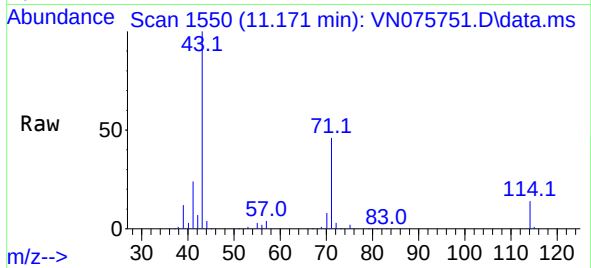




#59
2-Hexanone
Concen: 41.317 ug/l
RT: 11.171 min Scan# 1550
Delta R.T. -0.029 min
Lab File: VN075751.D
Acq: 13 Dec 2022 09:16

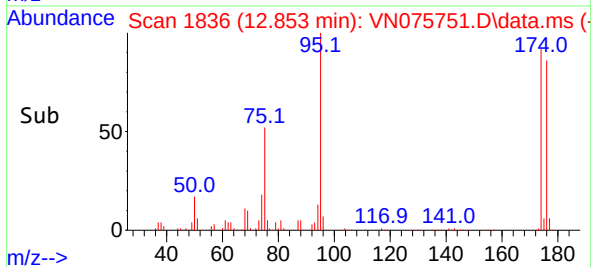
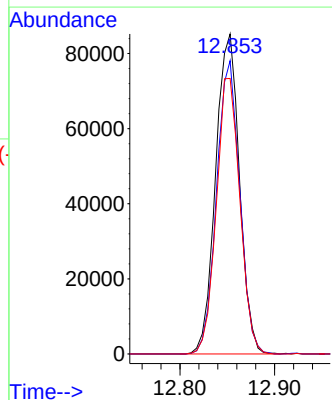
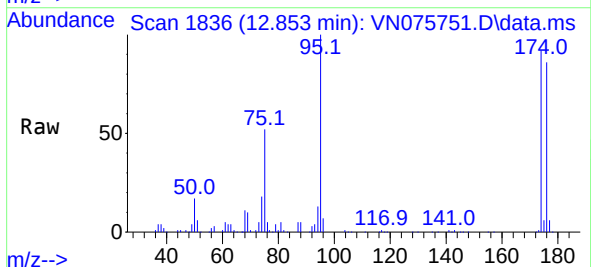
Instrument :
MSVOA_N
ClientSampleId :
MH-20

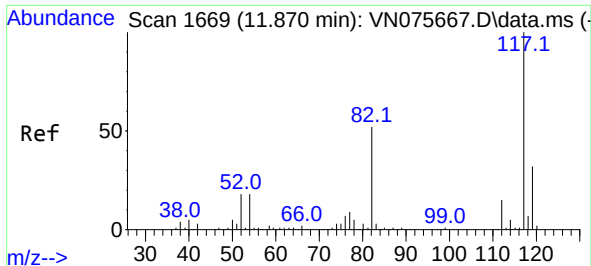
Tgt Ion: 43 Resp: 82147
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.5#



#62
4-Bromofluorobenzene
Concen: 46.452 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN075751.D
Acq: 13 Dec 2022 09:16

Tgt Ion: 95 Resp: 148729
Ion Ratio Lower Upper
95 100
174 89.0 0.0 178.6
176 85.4 0.0 170.8

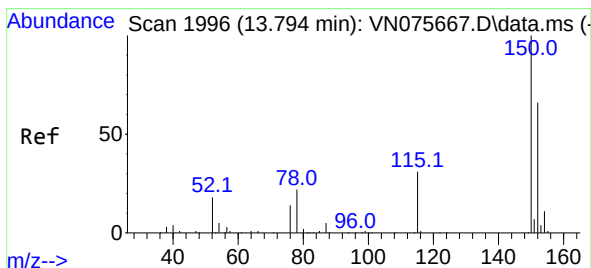
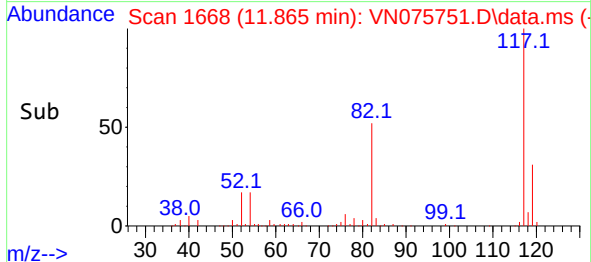
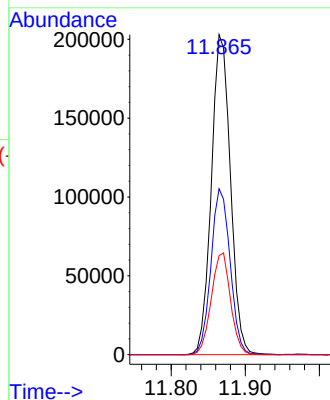
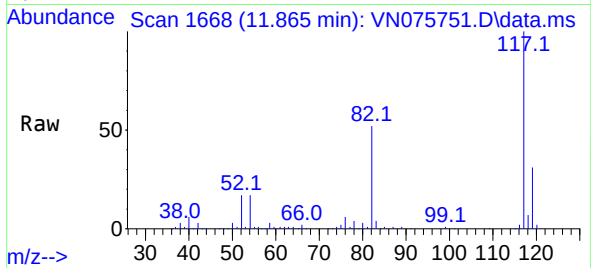




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.006 min
Lab File: VN075751.D
Acq: 13 Dec 2022 09:16

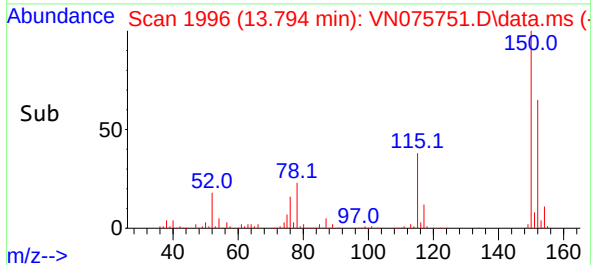
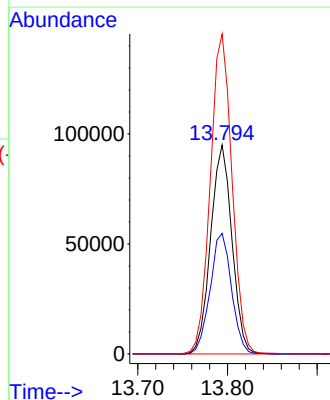
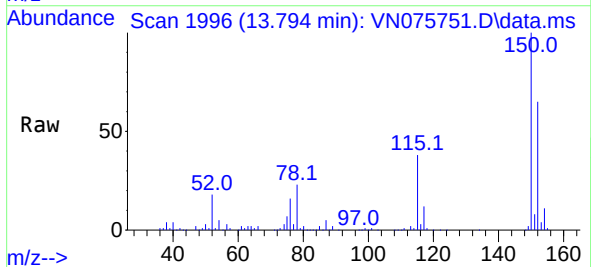
Instrument :
MSVOA_N
ClientSampleId :
MH-20

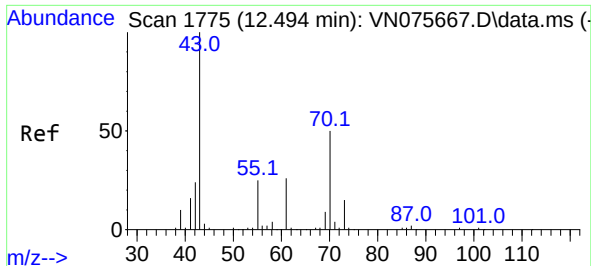
Tgt Ion:117 Resp: 363004
Ion Ratio Lower Upper
117 100
82 51.8 41.8 62.8
119 30.9 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075751.D
Acq: 13 Dec 2022 09:16

Tgt Ion:152 Resp: 156710
Ion Ratio Lower Upper
152 100
115 58.0 28.4 85.2
150 155.9 0.0 347.6

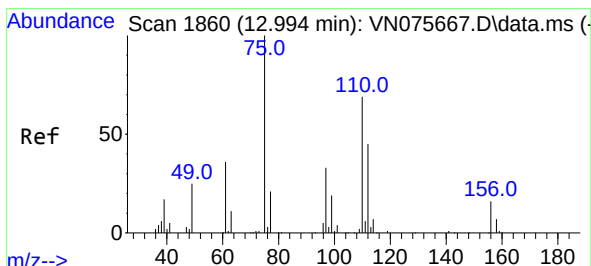
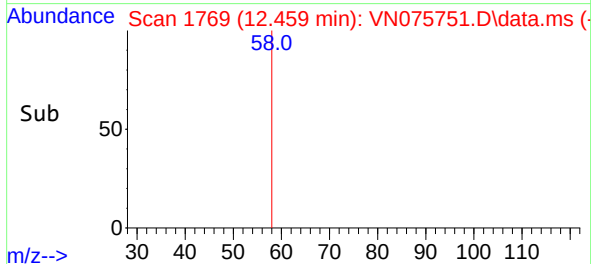
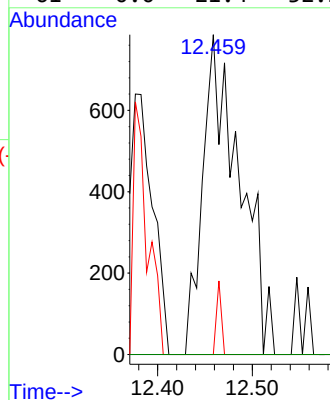
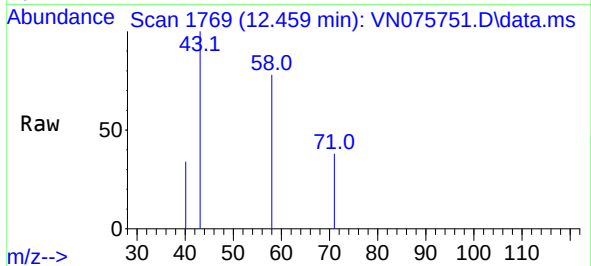




#74
N-amy1 acetate
Concen: 0.653 ug/l
RT: 12.459 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN075751.D
Acq: 13 Dec 2022 09:16

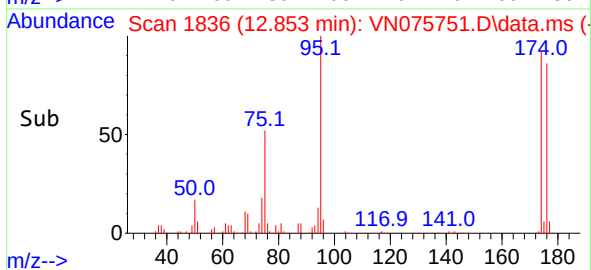
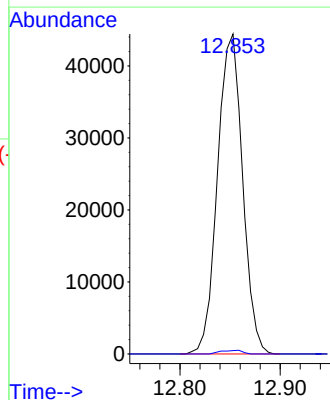
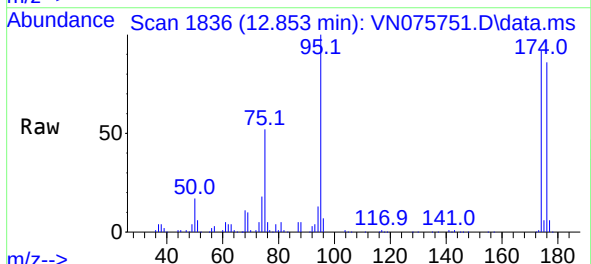
Instrument :
MSVOA_N
ClientSampleId :
MH-20

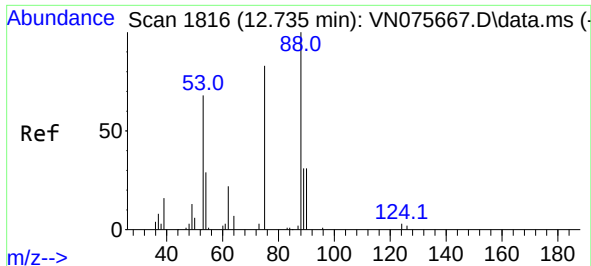
Tgt Ion: 43	Resp:	2135
Ion	Ratio	Lower Upper
43	100	
70	0.0	41.0 61.6#
55	3.0	20.7 31.1#
61	0.0	21.4 32.2#



#76
1,2,3-Trichloropropane
Concen: 24.487 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075751.D
Acq: 13 Dec 2022 09:16

Tgt Ion: 75	Resp:	77065
Ion	Ratio	Lower Upper
75	100	
77	1.0	81.8 245.4#





#81
trans-1,4-Dichloro-2-butene
Concen: 78.182 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN075751.D
Acq: 13 Dec 2022 09:16

Instrument :
MSVOA_N
ClientSampleId :
MH-20

Tgt Ion: 75 Resp: 77065
Ion Ratio Lower Upper
75 100
53 0.0 72.4 108.6#
89 0.0 36.6 55.0#

