

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120722\
 Data File : VN075616.D
 Acq On : 07 Dec 2022 19:07
 Operator : JC\MD
 Sample : N5895-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-19

Quant Time: Dec 08 00:23:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

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

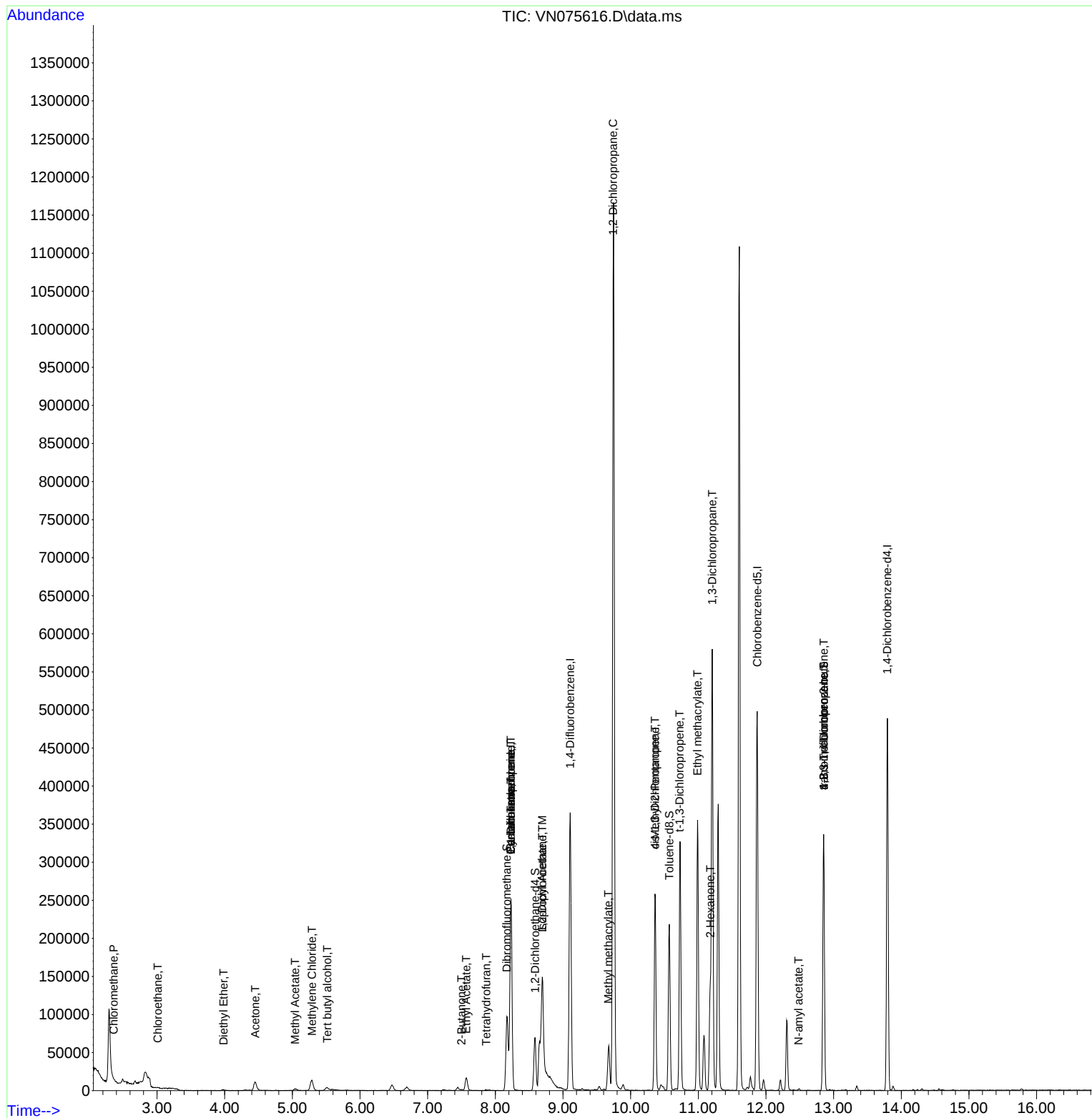
Internal Standards						
1) Pentafluorobenzene	8.230	168	199783	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	341557	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	306909	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	140477	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	56804	52.969	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.940%	
35) Dibromofluoromethane	8.171	113	72096	53.733	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.460%	
50) Toluene-d8	10.571	98	154811	51.228	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.460%	
62) 4-Bromofluorobenzene	12.853	95	115681	51.862	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 103.720%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	392	0.206	ug/l #	42
6) Chloroethane	3.012	64	474	0.261	ug/l #	45
8) Diethyl Ether	3.983	74	848	0.707	ug/l	88
11) Tert butyl alcohol	5.518	59	4325	9.607	ug/l #	72
16) Acetone	4.453	43	22008	22.002	ug/l	94
18) Methyl Acetate	5.042	43	4485	0.496	ug/l	99
20) Methylene Chloride	5.289	84	11556	4.534	ug/l	87
25) 2-Butanone	7.500	43	2102	1.505	ug/l #	75
29) Tetrahydrofuran	7.865	42	335	0.394	ug/l #	75
31) Cyclohexane	8.230	56	4069	1.194	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	13909	4.754	ug/l #	49
37) Ethyl Acetate	7.571	43	25722	9.763	ug/l	99
38) Carbon Tetrachloride	8.230	117	19959	6.209	ug/l #	16
42) 1,2-Dichloroethane	8.694	62	860	0.287	ug/l #	75
43) Isopropyl Acetate	8.694	43	236546	55.934	ug/l #	75
45) 1,2-Dichloropropane	9.741	63	1484	0.695	ug/l #	42
48) Methyl methacrylate	9.671	41	3239	1.656	ug/l #	36
51) 4-Methyl-2-Pentanone	10.359	43	91952	34.138	ug/l #	44
53) t-1,3-Dichloropropene	10.724	75	934	0.298	ug/l #	73
54) cis-1,3-Dichloropropene	10.359	75	52565	15.416	ug/l #	62
56) Ethyl methacrylate	10.988	69	1059	0.334	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6926	1.807	ug/l #	42
59) 2-Hexanone	11.177	43	110609	54.687	ug/l #	21
74) N-amyl acetate	12.482	43	1151	0.365	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	57426	21.621	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	57426	63.971	ug/l #	10

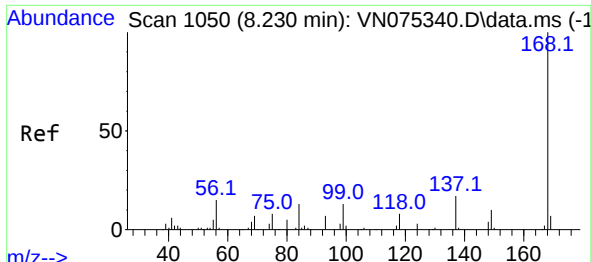
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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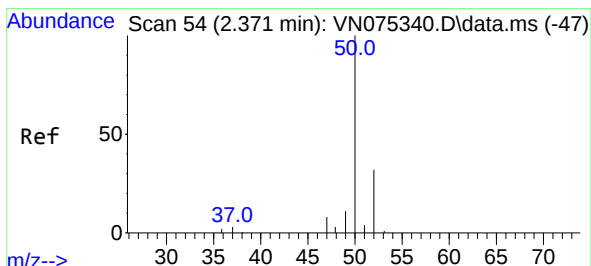
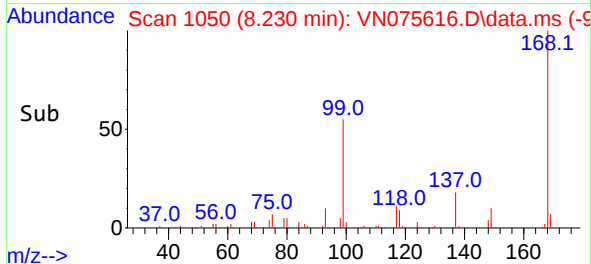
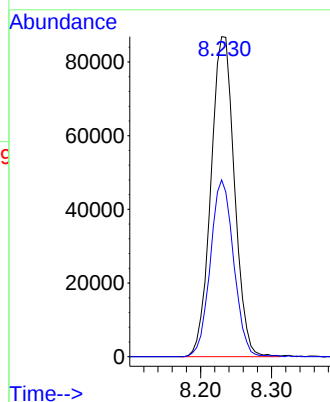
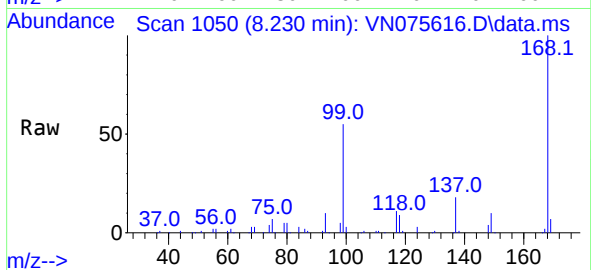




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN075616.D
Acq: 07 Dec 2022 19:07

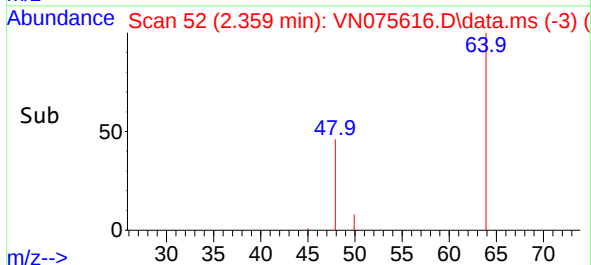
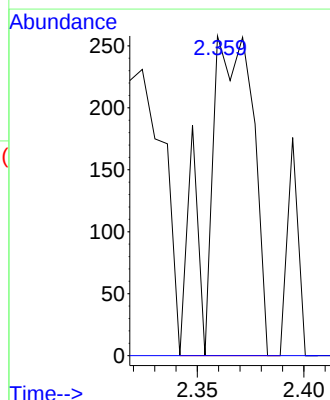
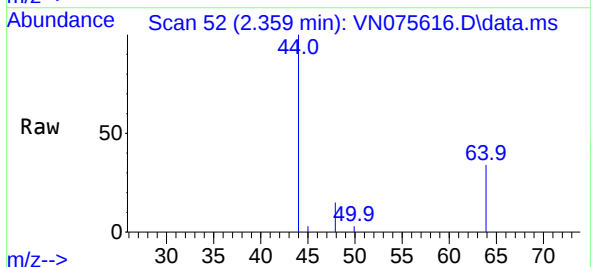
Instrument :
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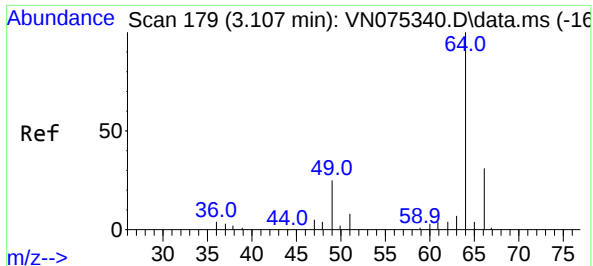
Tgt Ion:168 Resp: 199783
Ion Ratio Lower Upper
168 100
99 55.2 51.6 77.4



#3
Chloromethane
Concen: 0.206 ug/l
RT: 2.359 min Scan# 52
Delta R.T. -0.012 min
Lab File: VN075616.D
Acq: 07 Dec 2022 19:07

Tgt Ion: 50 Resp: 392
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.6#

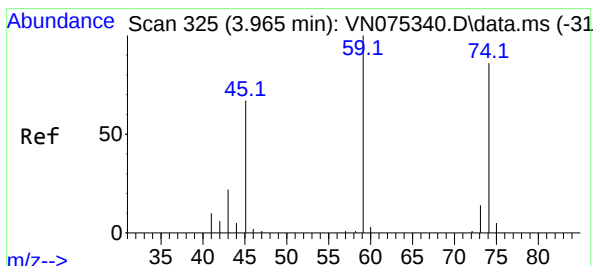
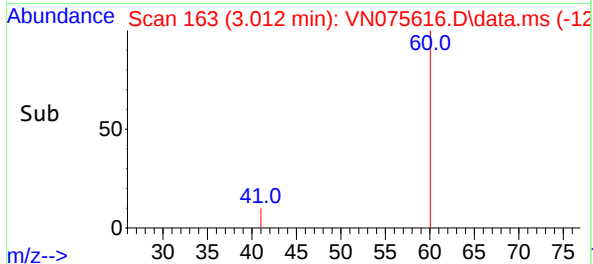
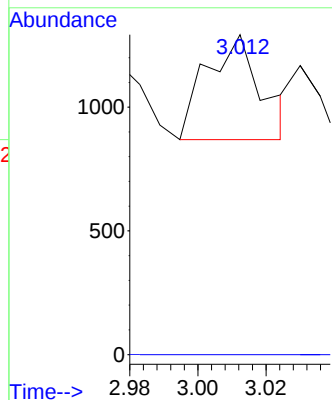
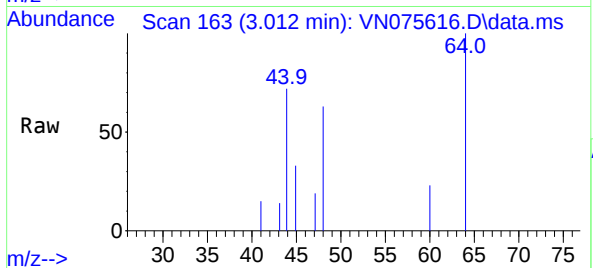




#6
Chloroethane
Concen: 0.261 ug/l
RT: 3.012 min Scan# 11
Delta R.T. -0.095 min
Lab File: VN075616.D
Acq: 07 Dec 2022 19:07

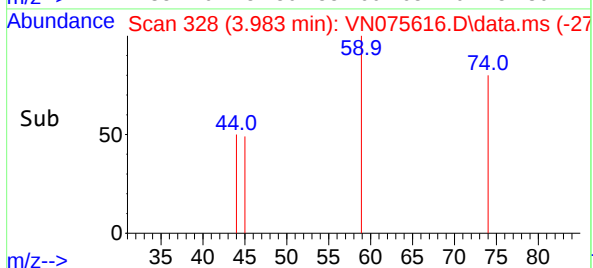
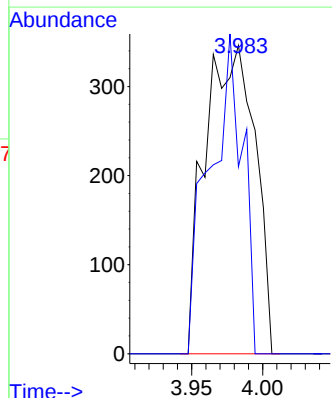
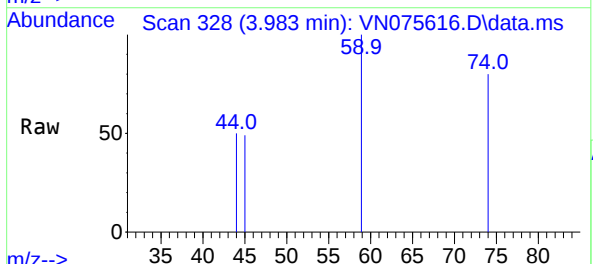
Instrument :
MSVOA_N
ClientSampleId :
MH-19

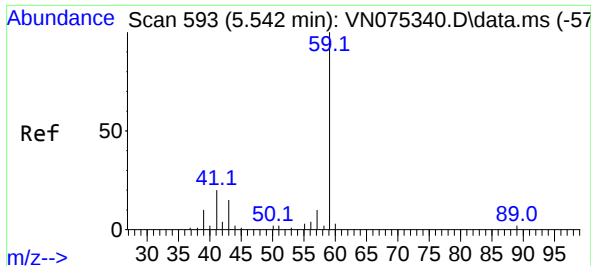
Tgt Ion: 64 Resp: 474
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#8
Diethyl Ether
Concen: 0.707 ug/l
RT: 3.983 min Scan# 328
Delta R.T. 0.018 min
Lab File: VN075616.D
Acq: 07 Dec 2022 19:07

Tgt Ion: 74 Resp: 848
Ion Ratio Lower Upper
74 100
45 68.4 39.3 117.9





#11

Tert butyl alcohol

Concen: 9.607 ug/l

RT: 5.518 min Scan# 51

Delta R.T. -0.024 min

Lab File: VN075616.D

Acq: 07 Dec 2022 19:07

Instrument :

MSVOA_N

ClientSampleId :

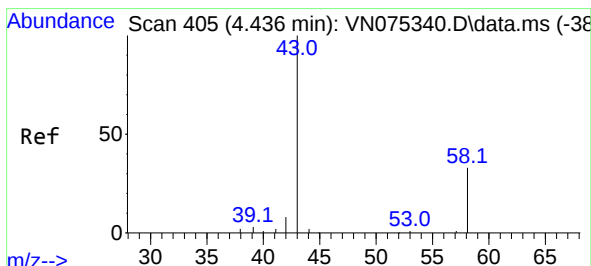
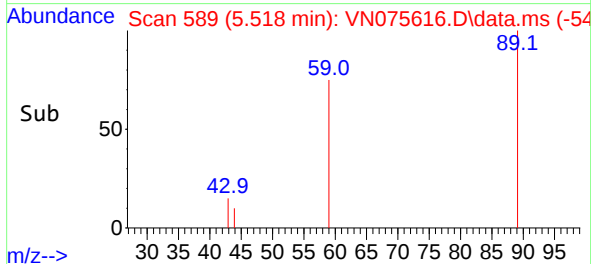
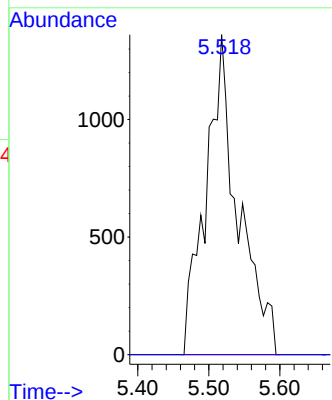
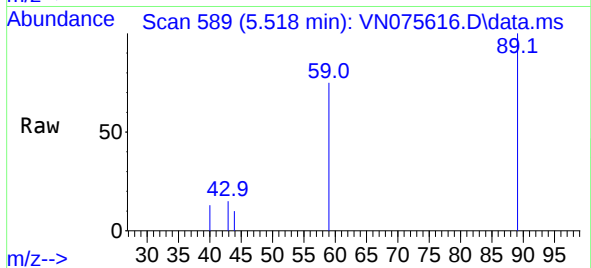
MH-19

Tgt Ion: 59 Resp: 4325

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#16

Acetone

Concen: 22.002 ug/l

RT: 4.453 min Scan# 408

Delta R.T. 0.017 min

Lab File: VN075616.D

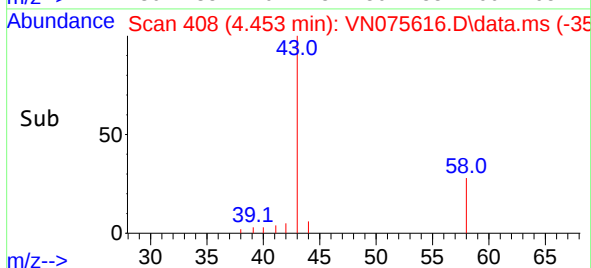
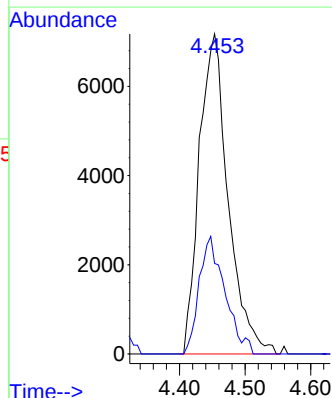
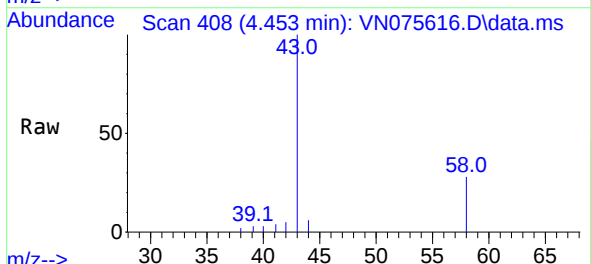
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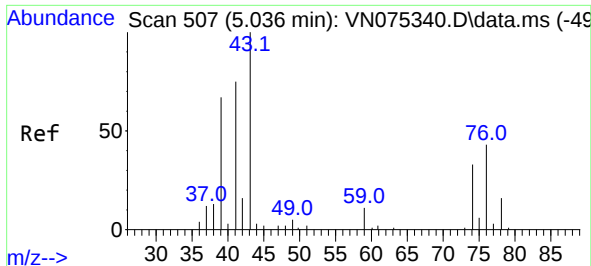
Tgt Ion: 43 Resp: 22008

Ion Ratio Lower Upper

43 100

58 28.3 25.5 38.3

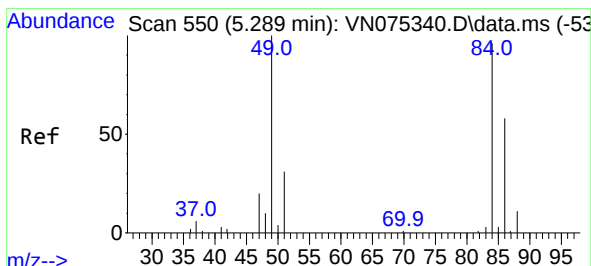
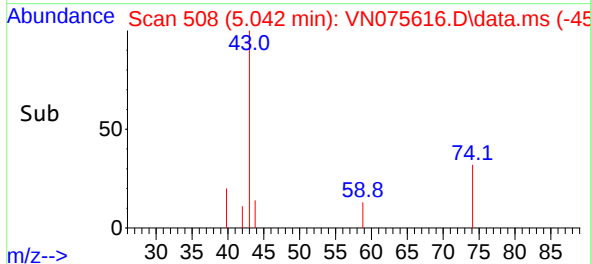
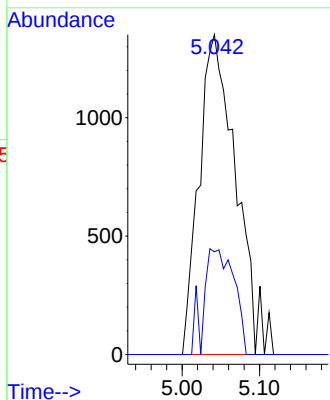
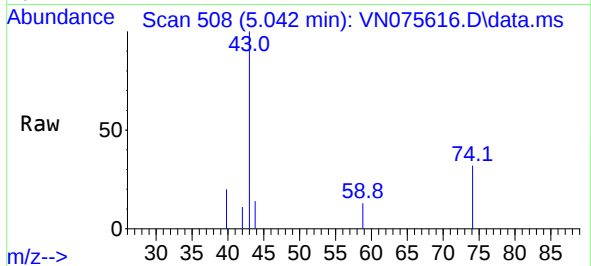




#18
Methyl Acetate
Concen: 0.496 ug/l
RT: 5.042 min Scan# 50
Delta R.T. 0.006 min
Lab File: VN075616.D
Acq: 07 Dec 2022 19:07

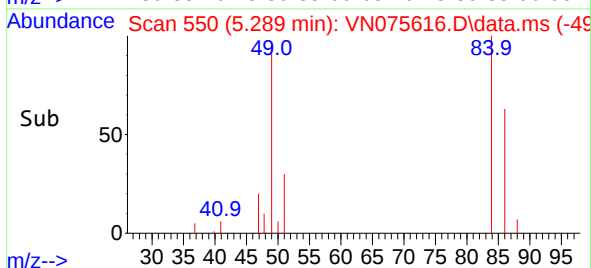
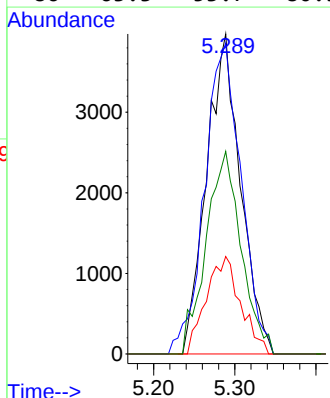
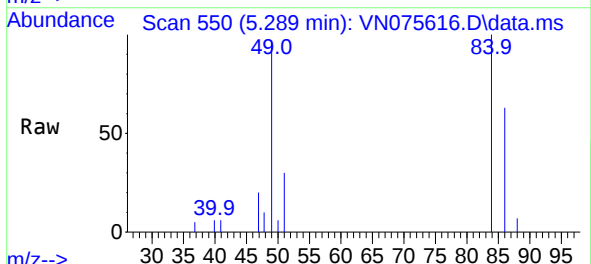
Instrument :
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ClientSampleId :
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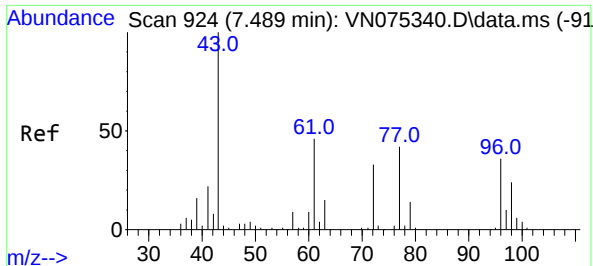
Tgt Ion: 43 Resp: 4485
Ion Ratio Lower Upper
43 100
74 27.2 22.0 33.0



#20
Methylene Chloride
Concen: 4.534 ug/l
RT: 5.289 min Scan# 550
Delta R.T. -0.000 min
Lab File: VN075616.D
Acq: 07 Dec 2022 19:07

Tgt Ion: 84 Resp: 11556
Ion Ratio Lower Upper
84 100
49 97.1 94.9 142.3
51 30.5 26.8 40.2
86 63.3 53.7 80.5

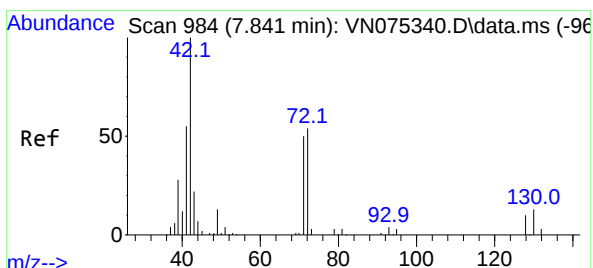
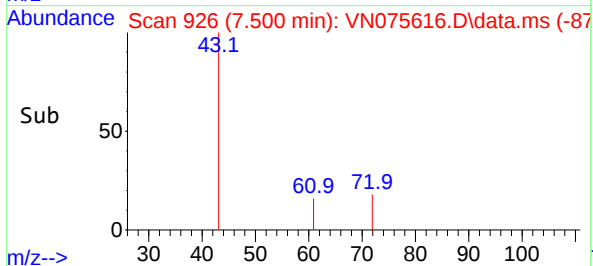
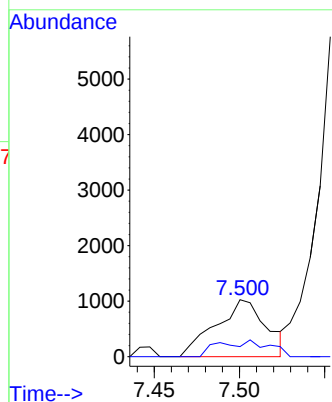
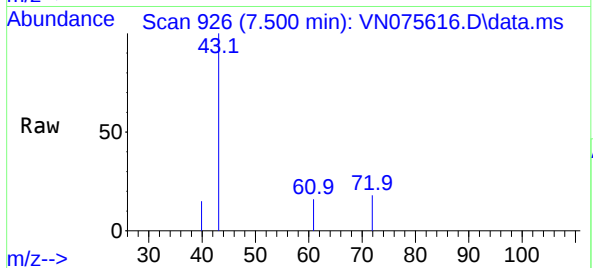




#25
2-Butanone
Concen: 1.505 ug/l
RT: 7.500 min Scan# 91
Delta R.T. 0.011 min
Lab File: VN075616.D
Acq: 07 Dec 2022 19:07

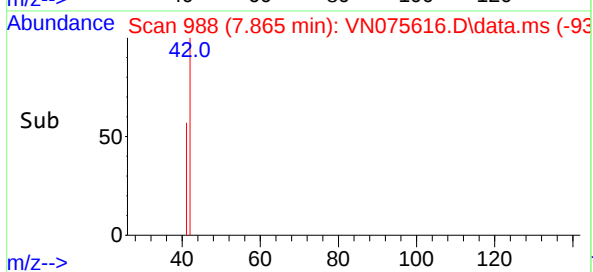
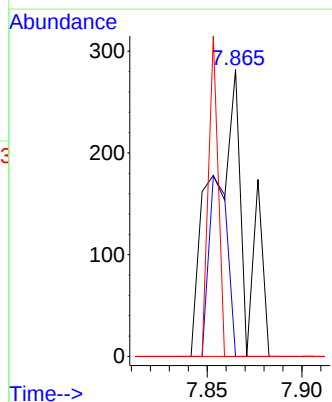
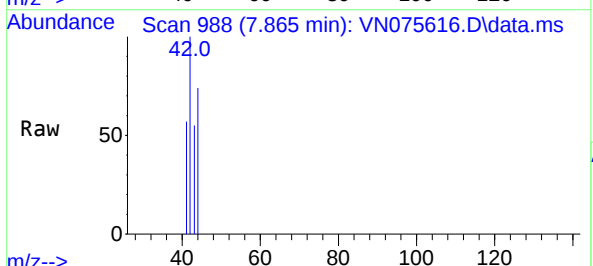
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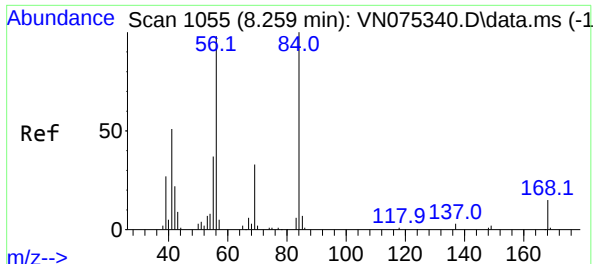
Tgt Ion: 43 Resp: 2102
Ion Ratio Lower Upper
43 100
72 17.8 25.5 38.3#



#29
Tetrahydrofuran
Concen: 0.394 ug/l
RT: 7.865 min Scan# 988
Delta R.T. 0.024 min
Lab File: VN075616.D
Acq: 07 Dec 2022 19:07

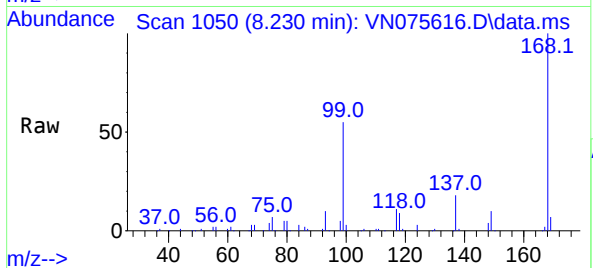
Tgt Ion: 42 Resp: 335
Ion Ratio Lower Upper
42 100
72 35.5 43.0 64.6#
71 33.1 39.9 59.9#



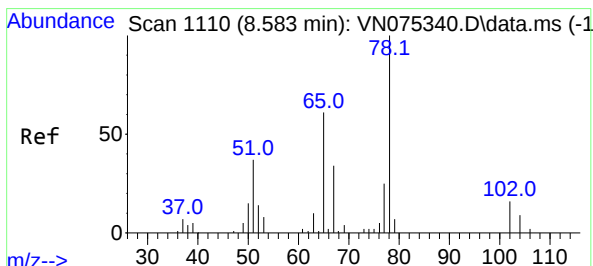
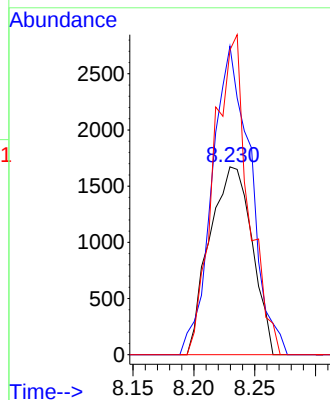
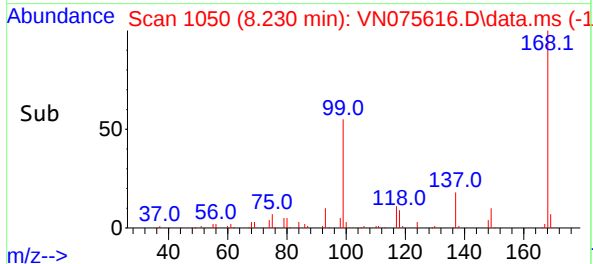


#31
Cyclohexane
Concen: 1.194 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN075616.D
Acq: 07 Dec 2022 19:07

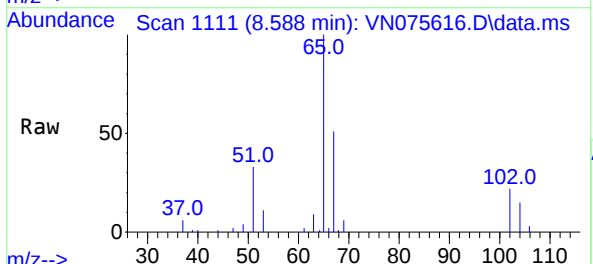
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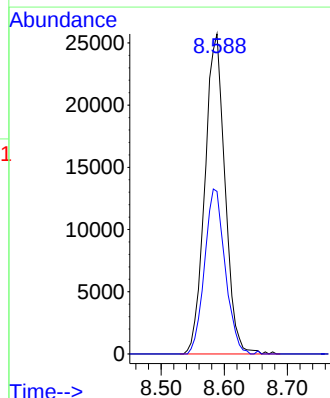
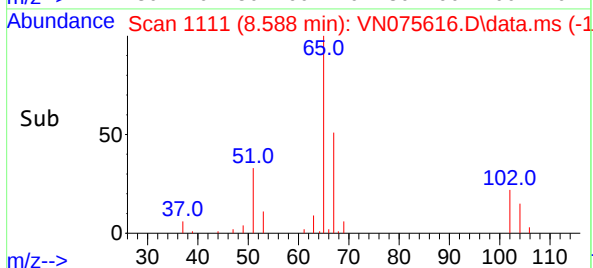
Tgt Ion: 56 Resp: 4069
Ion Ratio Lower Upper
56 100
69 164.2 25.2 37.8#
84 162.1 77.8 116.8#

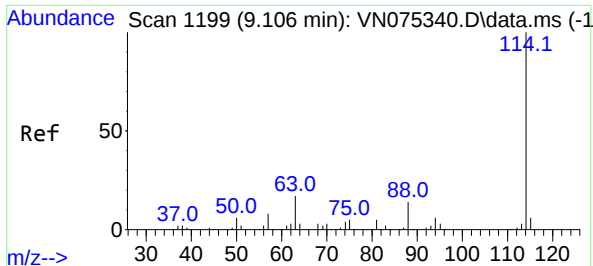


#33
1,2-Dichloroethane-d4
Concen: 52.969 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. 0.005 min
Lab File: VN075616.D
Acq: 07 Dec 2022 19:07



Tgt Ion: 65 Resp: 56804
Ion Ratio Lower Upper
65 100
67 52.6 0.0 102.0

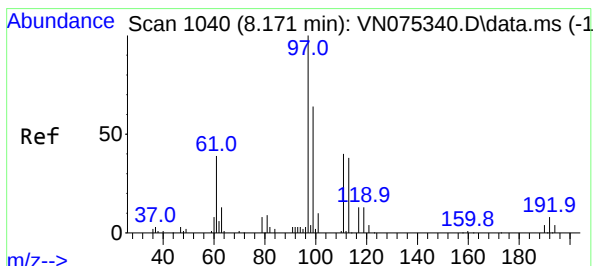
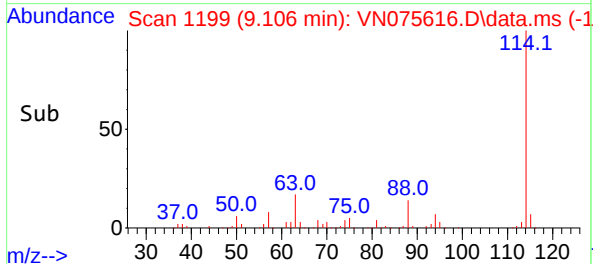
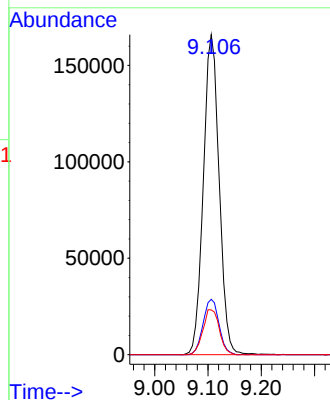
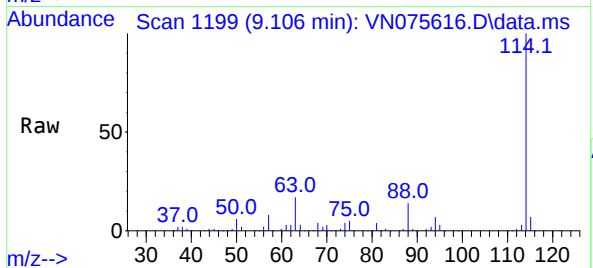




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075616.D
Acq: 07 Dec 2022 19:07

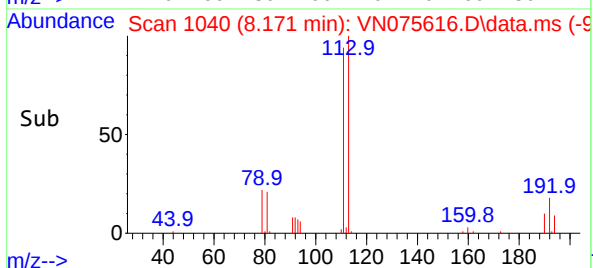
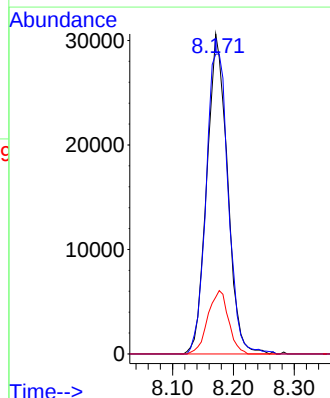
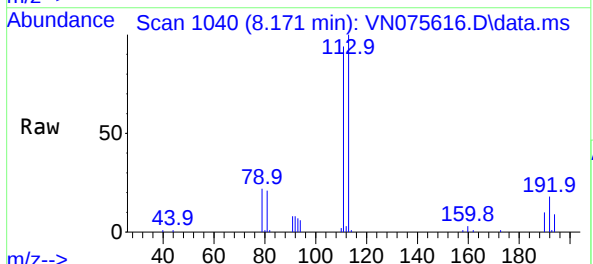
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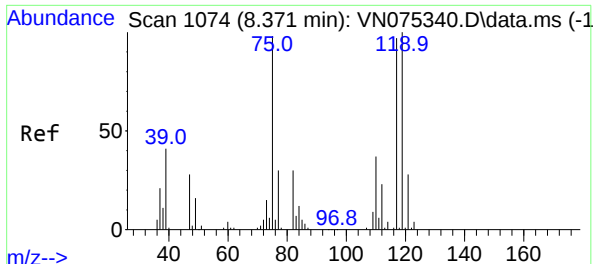
Tgt Ion:114 Resp: 341557
Ion Ratio Lower Upper
114 100
63 17.3 0.0 39.6
88 14.0 0.0 29.0



#35
Dibromofluoromethane
Concen: 53.733 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075616.D
Acq: 07 Dec 2022 19:07

Tgt Ion:113 Resp: 72096
Ion Ratio Lower Upper
113 100
111 101.4 80.5 120.7
192 19.8 13.2 19.8

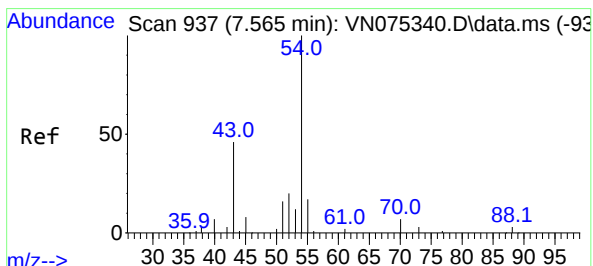
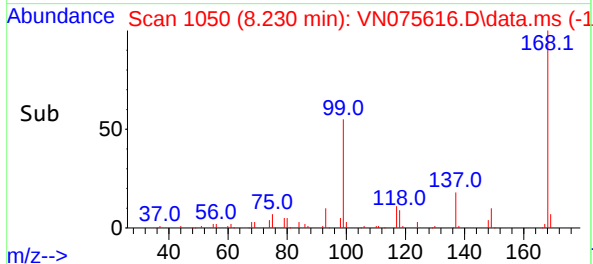
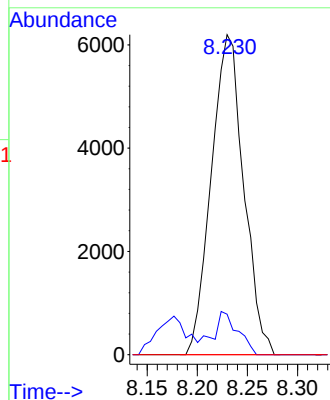
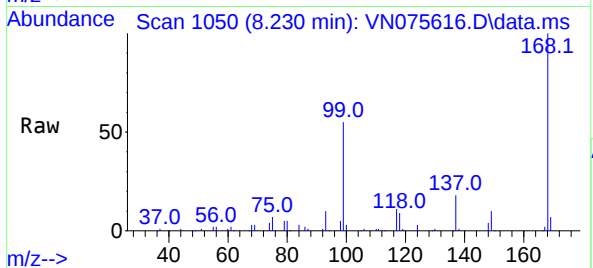




#36
1,1-Dichloropropene
Concen: 4.754 ug/l
RT: 8.230 min Scan# 1074
Delta R.T. -0.141 min
Lab File: VN075616.D
Acq: 07 Dec 2022 19:07

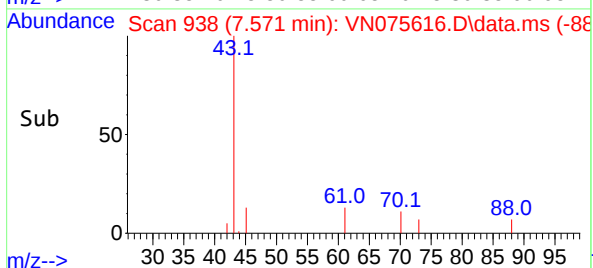
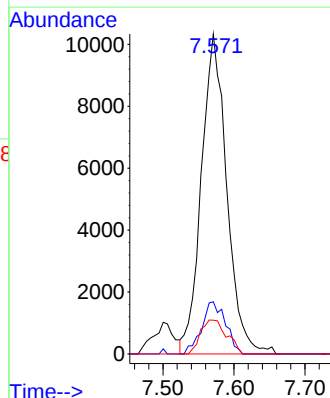
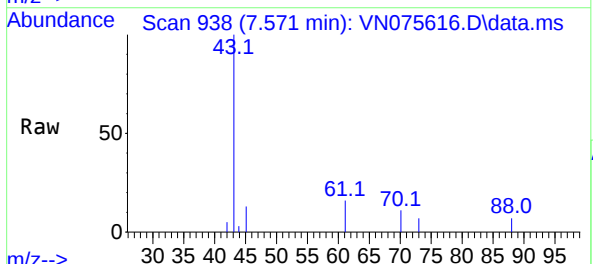
Instrument :
MSVOA_N
ClientSampleId :
MH-19

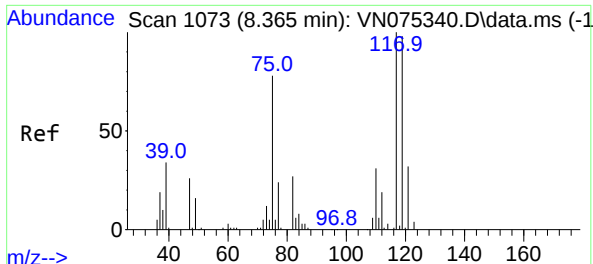
Tgt Ion: 75 Resp: 13909
Ion Ratio Lower Upper
75 100
110 8.5 17.8 53.3#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 9.763 ug/l
RT: 7.571 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN075616.D
Acq: 07 Dec 2022 19:07

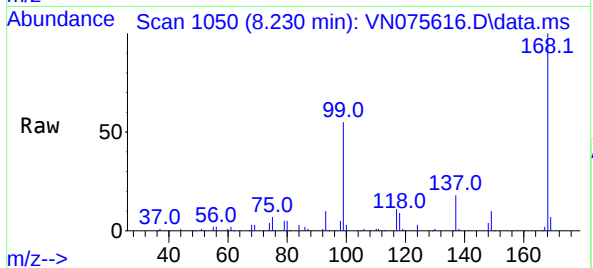
Tgt Ion: 43 Resp: 25722
Ion Ratio Lower Upper
43 100
61 15.3 12.2 18.4
70 10.9 9.4 14.2



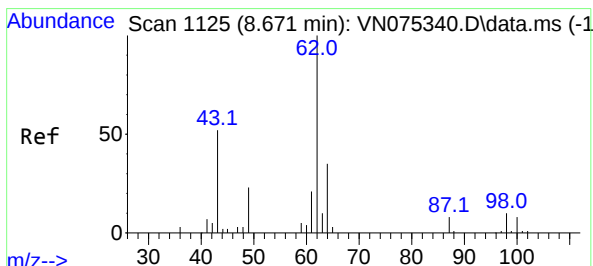
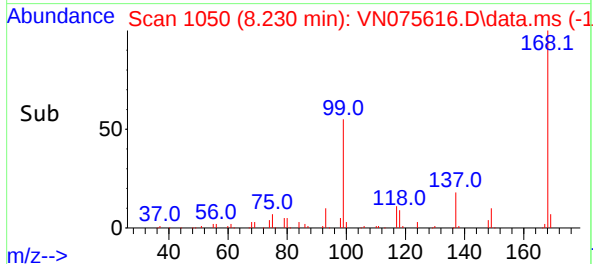
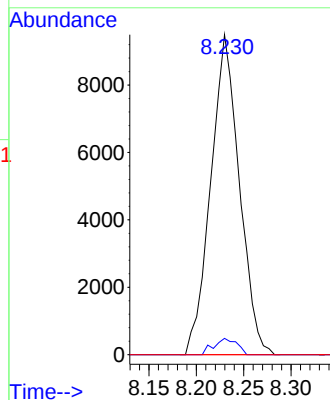


#38
Carbon Tetrachloride
Concen: 6.209 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.135 min
Lab File: VN075616.D
Acq: 07 Dec 2022 19:07

Instrument :
MSVOA_N
ClientSampleId :
MH-19

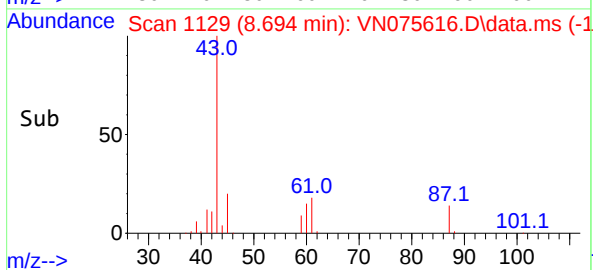
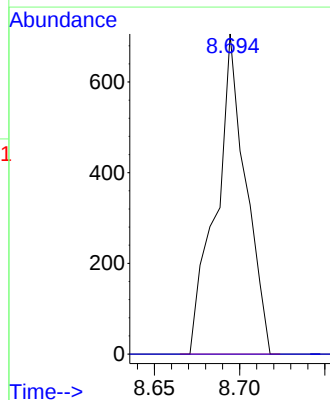
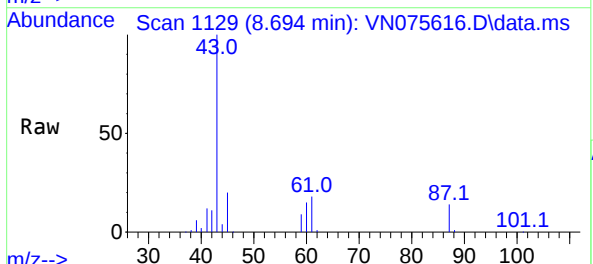


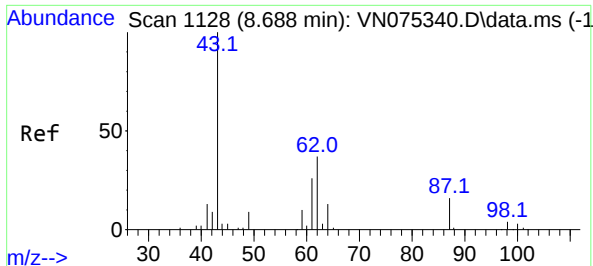
Tgt Ion:117 Resp: 19959
Ion Ratio Lower Upper
117 100
119 5.1 76.7 115.1#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.287 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.023 min
Lab File: VN075616.D
Acq: 07 Dec 2022 19:07

Tgt Ion: 62 Resp: 860
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

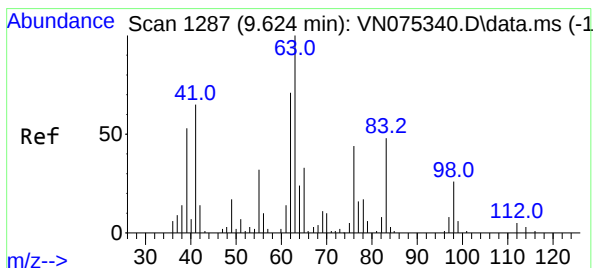
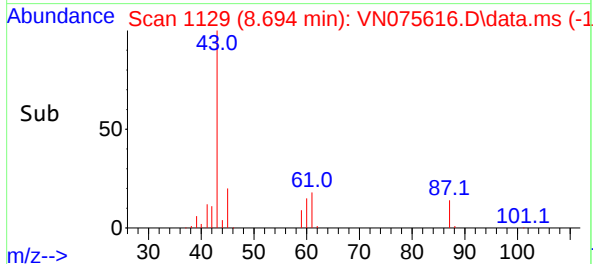
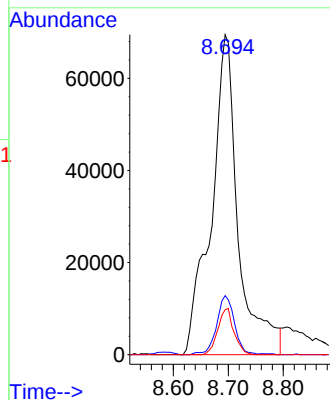
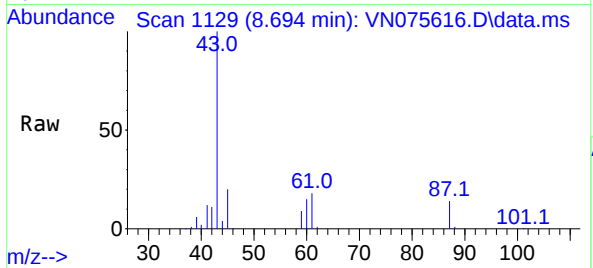




#43
Isopropyl Acetate
Concen: 55.934 ug/l
RT: 8.694 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN075616.D
Acq: 07 Dec 2022 19:07

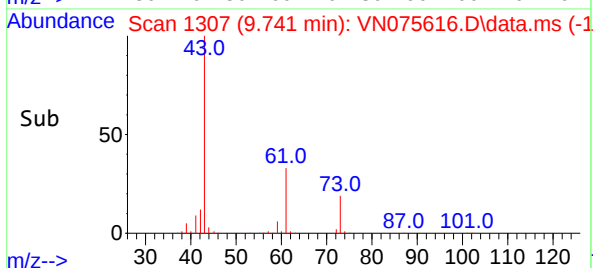
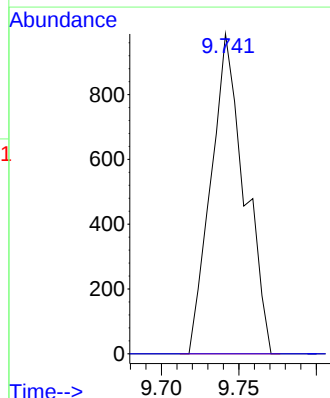
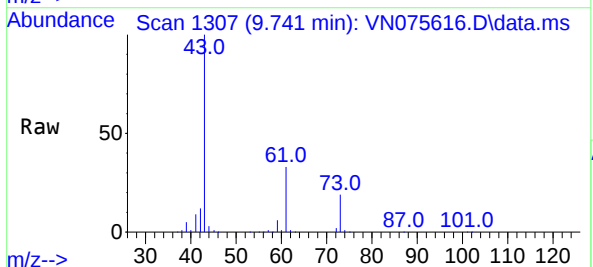
Instrument :
MSVOA_N
ClientSampleId :
MH-19

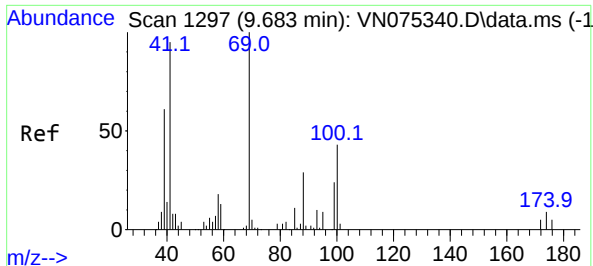
Tgt Ion: 43 Resp: 236546
Ion Ratio Lower Upper
43 100
61 12.3 22.4 33.6#
87 8.6 12.5 18.7#



#45
1,2-Dichloropropane
Concen: 0.695 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.117 min
Lab File: VN075616.D
Acq: 07 Dec 2022 19:07

Tgt Ion: 63 Resp: 1484
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#





#48

Methyl methacrylate

Concen: 1.656 ug/l

RT: 9.671 min Scan# 1297

Delta R.T. -0.012 min

Lab File: VN075616.D

Acq: 07 Dec 2022 19:07

Instrument :

MSVOA_N

ClientSampleId :

MH-19

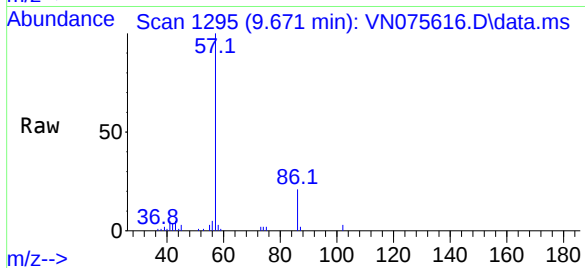
Tgt Ion: 41 Resp: 3239

Ion Ratio Lower Upper

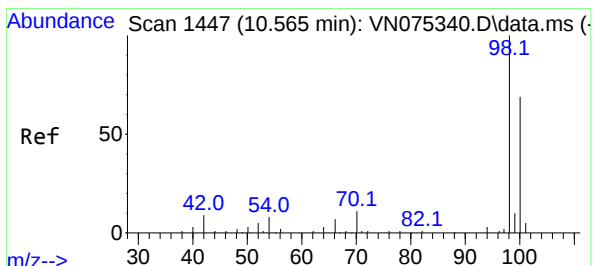
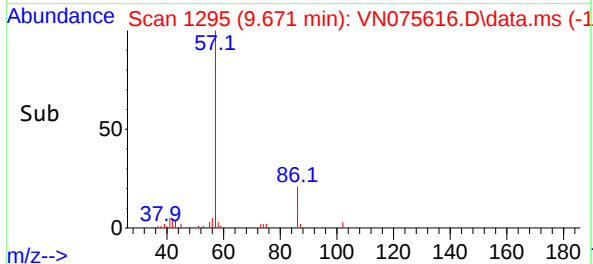
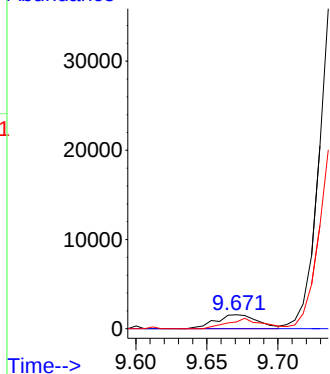
41 100

69 0.0 80.2 120.2#

39 60.6 56.2 84.2



Abundance



#50

Toluene-d8

Concen: 51.228 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. 0.006 min

Lab File: VN075616.D

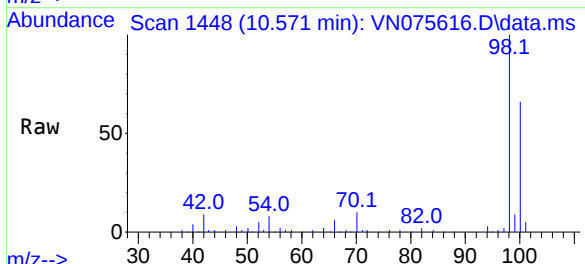
Acq: 07 Dec 2022 19:07

Tgt Ion: 98 Resp: 154811

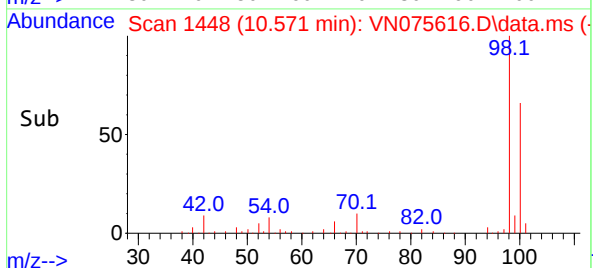
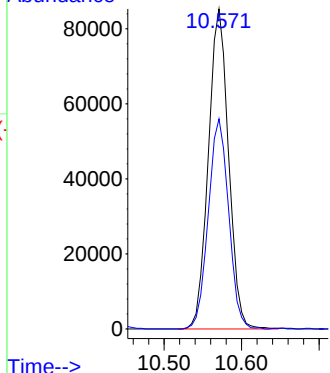
Ion Ratio Lower Upper

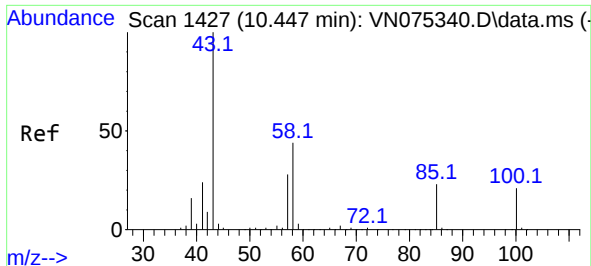
98 100

100 66.2 53.0 79.6



Abundance





#51

4-Methyl-2-Pentanone

Concen: 34.138 ug/l

RT: 10.359 min Scan# 1412

Delta R.T. -0.088 min

Lab File: VN075616.D

Acq: 07 Dec 2022 19:07

Instrument :

MSVOA_N

ClientSampleId :

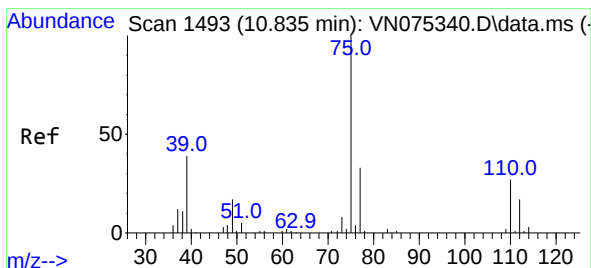
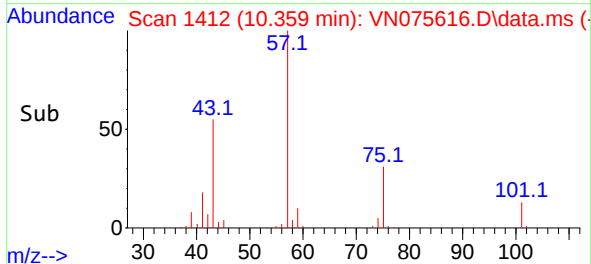
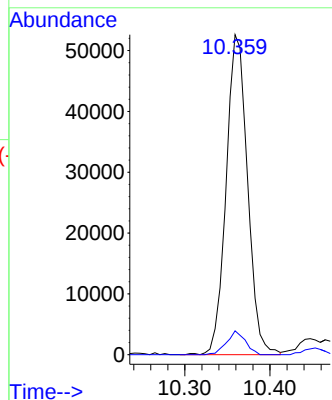
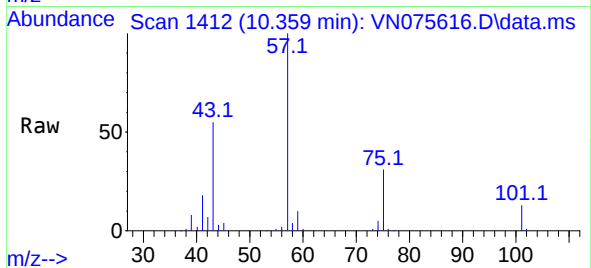
MH-19

Tgt Ion: 43 Resp: 91952

Ion Ratio Lower Upper

43 100

58 6.5 33.6 50.4#



#53

t-1,3-Dichloropropene

Concen: 0.298 ug/l

RT: 10.724 min Scan# 1474

Delta R.T. -0.111 min

Lab File: VN075616.D

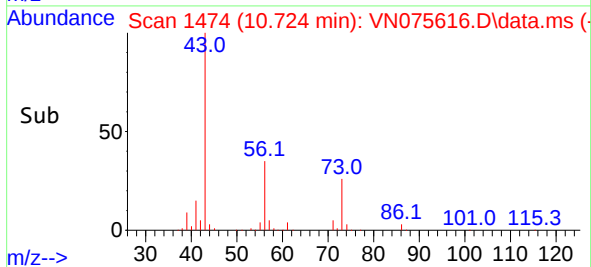
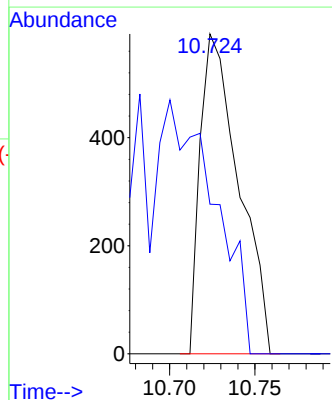
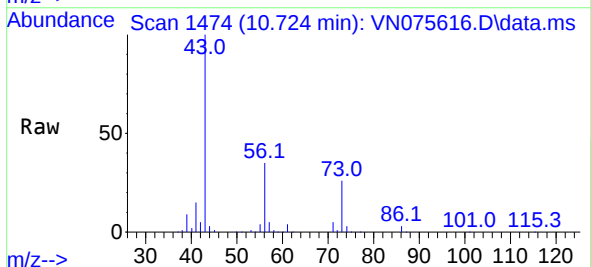
Acq: 07 Dec 2022 19:07

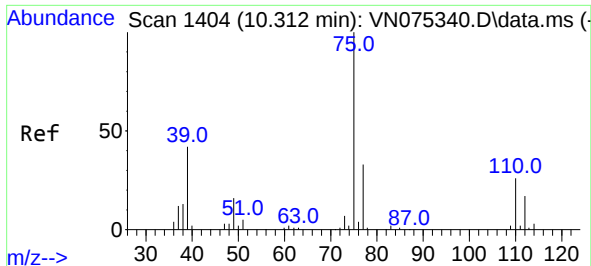
Tgt Ion: 75 Resp: 934

Ion Ratio Lower Upper

75 100

77 46.8 25.4 38.2#

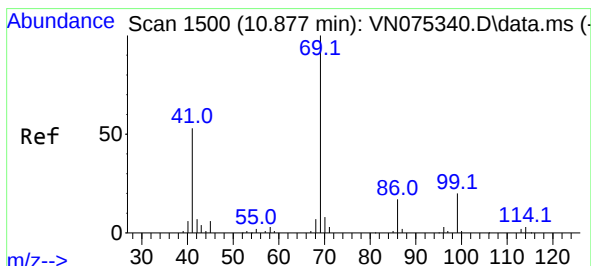
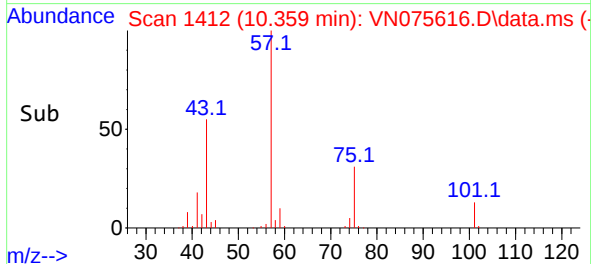
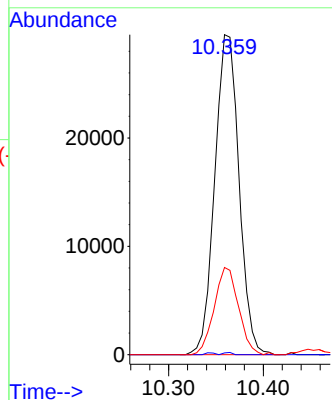
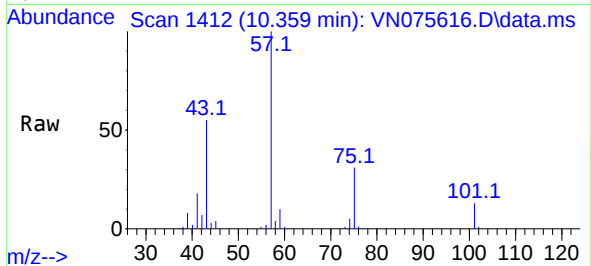




#54
cis-1,3-Dichloropropene
Concen: 15.416 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.047 min
Lab File: VN075616.D
Acq: 07 Dec 2022 19:07

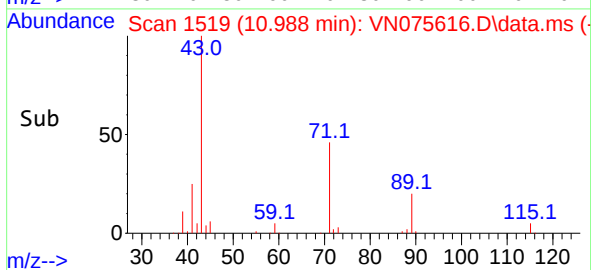
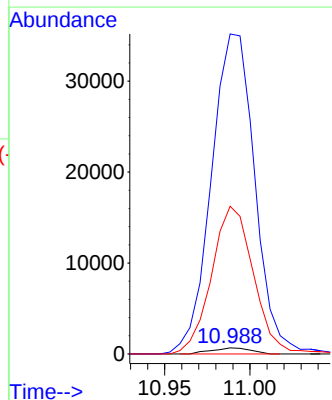
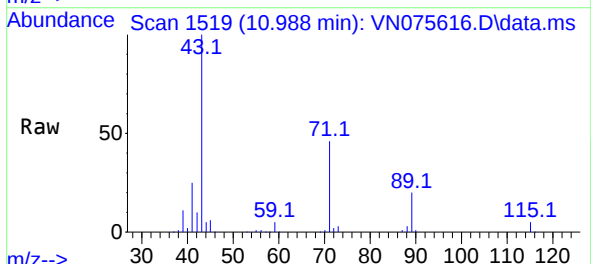
Instrument :
MSVOA_N
ClientSampleId :
MH-19

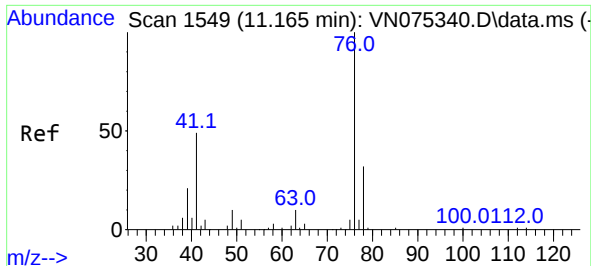
Tgt Ion: 75 Resp: 52565
Ion Ratio Lower Upper
75 100
77 0.6 23.7 35.5#
39 27.2 35.8 53.6#



#56
Ethyl methacrylate
Concen: 0.334 ug/l
RT: 10.988 min Scan# 1519
Delta R.T. 0.111 min
Lab File: VN075616.D
Acq: 07 Dec 2022 19:07

Tgt Ion: 69 Resp: 1059
Ion Ratio Lower Upper
69 100
41 5918.8 45.6 68.4#
39 2633.5 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.807 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN075616.D

Acq: 07 Dec 2022 19:07

Instrument :

MSVOA_N

ClientSampleId :

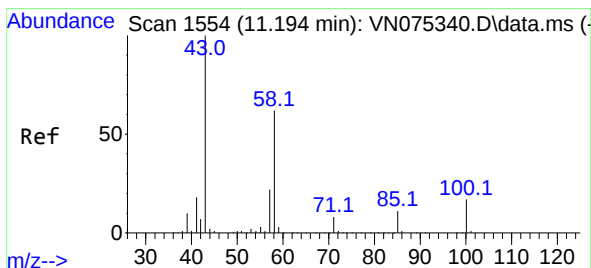
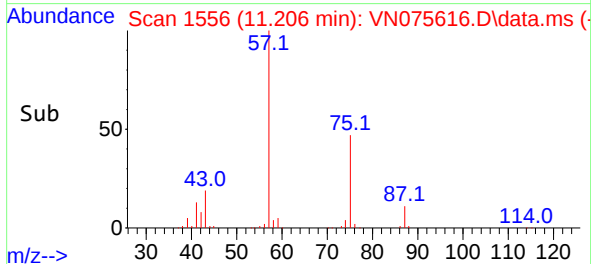
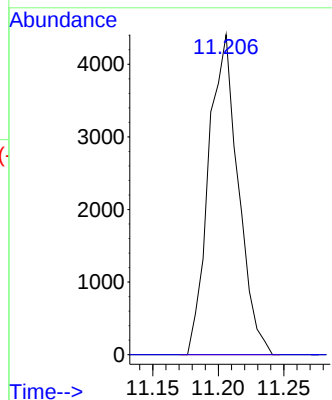
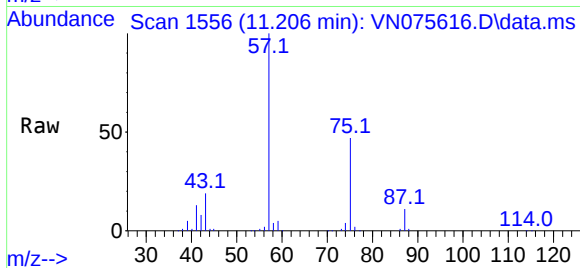
MH-19

Tgt Ion: 76 Resp: 6926

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 54.687 ug/l

RT: 11.177 min Scan# 1551

Delta R.T. -0.017 min

Lab File: VN075616.D

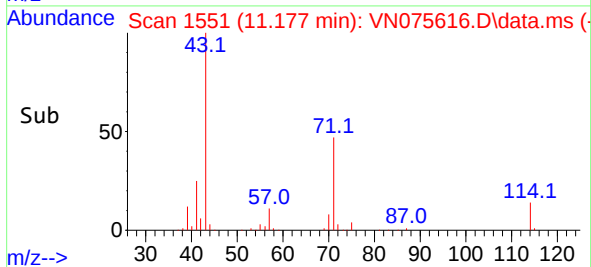
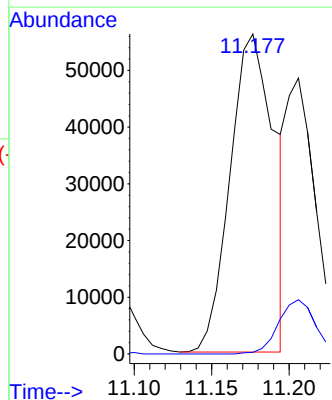
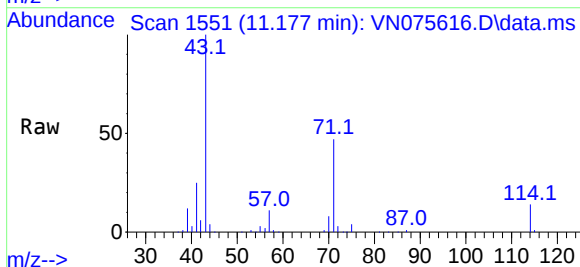
Acq: 07 Dec 2022 19:07

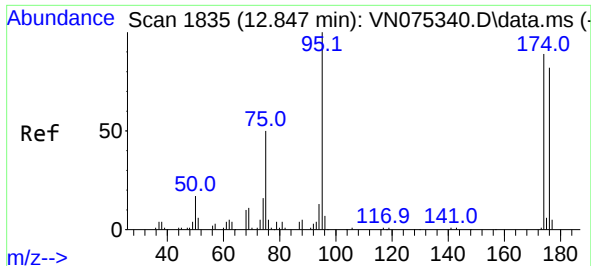
Tgt Ion: 43 Resp: 110609

Ion Ratio Lower Upper

43 100

58 0.0 29.6 88.8#

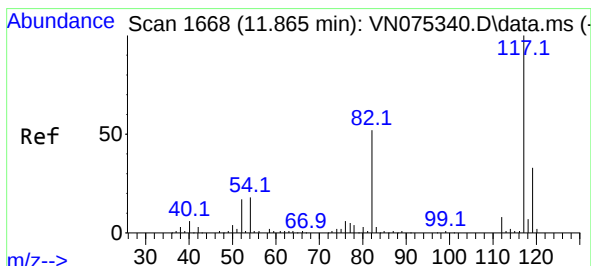
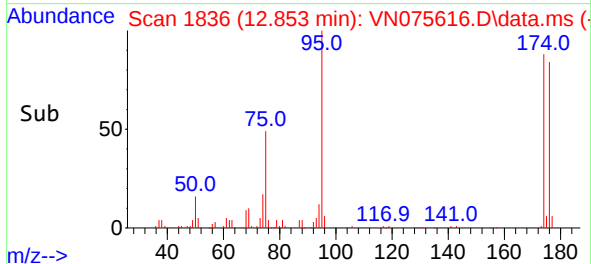
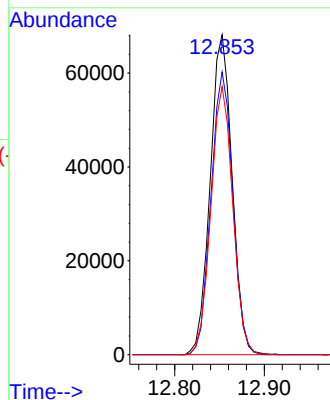
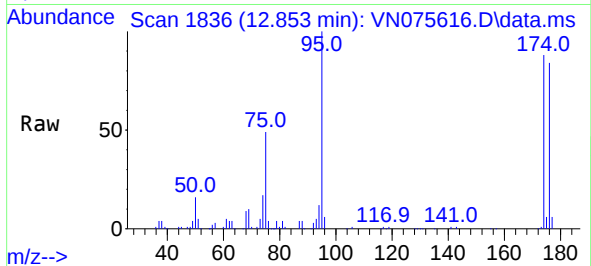




#62
4-Bromofluorobenzene
Concen: 51.862 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN075616.D
Acq: 07 Dec 2022 19:07

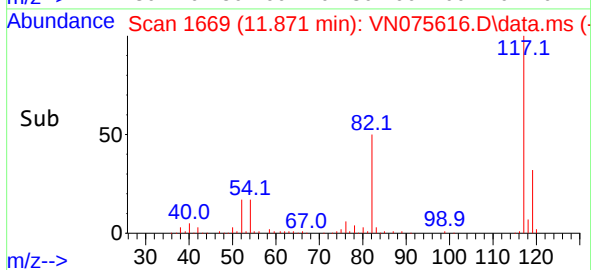
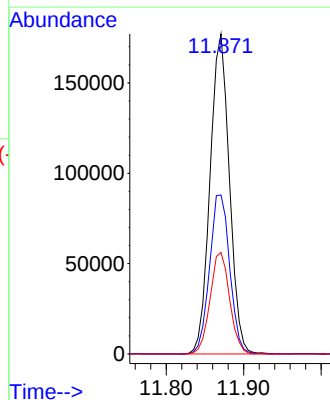
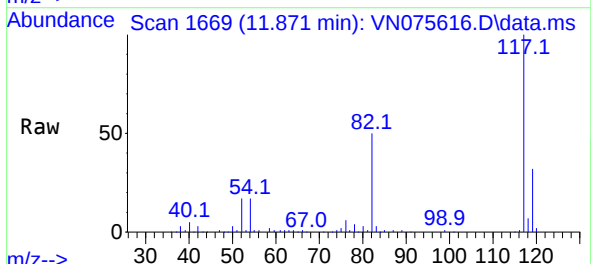
Instrument :
MSVOA_N
ClientSampleId :
MH-19

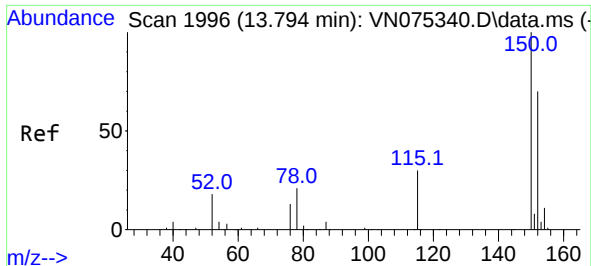
Tgt Ion: 95 Resp: 115681
Ion Ratio Lower Upper
95 100
174 88.1 0.0 147.4
176 83.4 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075616.D
Acq: 07 Dec 2022 19:07

Tgt Ion: 117 Resp: 306909
Ion Ratio Lower Upper
117 100
82 49.7 43.1 64.7
119 31.7 25.5 38.3

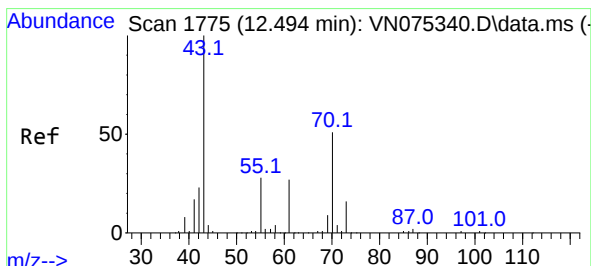
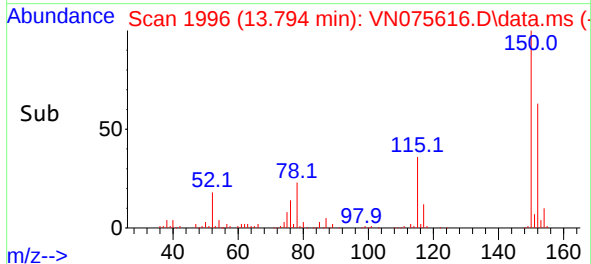
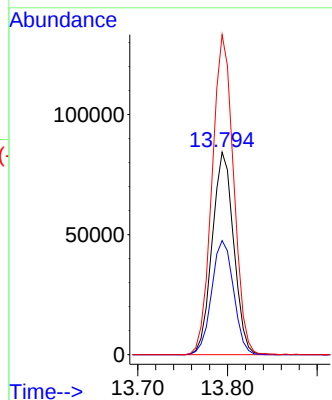
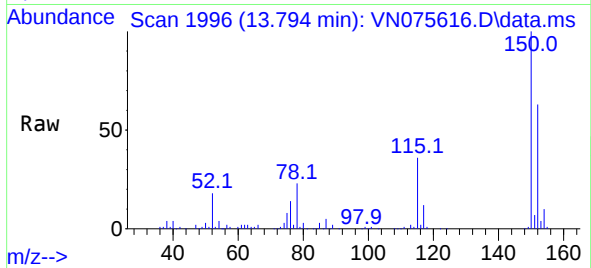




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075616.D
Acq: 07 Dec 2022 19:07

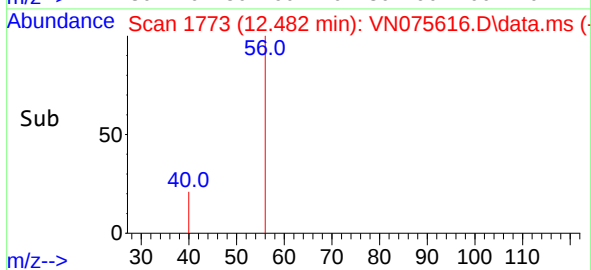
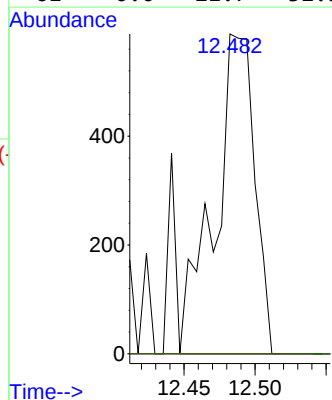
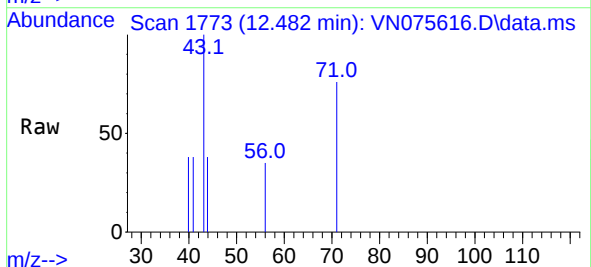
Instrument :
MSVOA_N
ClientSampleId :
MH-19

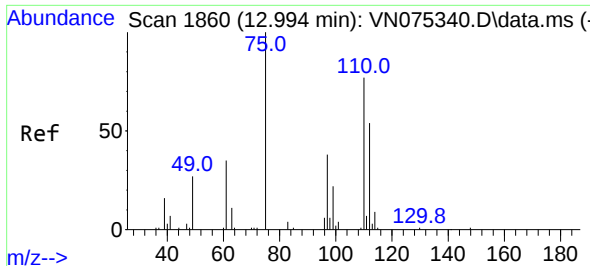
Tgt Ion:152 Resp: 140477
Ion Ratio Lower Upper
152 100
115 57.4 30.2 90.6
150 158.0 0.0 348.4



#74
N-ethyl acetate
Concen: 0.365 ug/l
RT: 12.482 min Scan# 1773
Delta R.T. -0.012 min
Lab File: VN075616.D
Acq: 07 Dec 2022 19:07

Tgt Ion: 43 Resp: 1151
Ion Ratio Lower Upper
43 100
70 0.0 39.8 59.8#
55 0.0 19.9 29.9#
61 0.0 21.7 32.5#

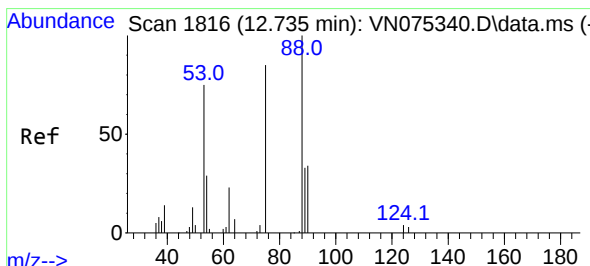
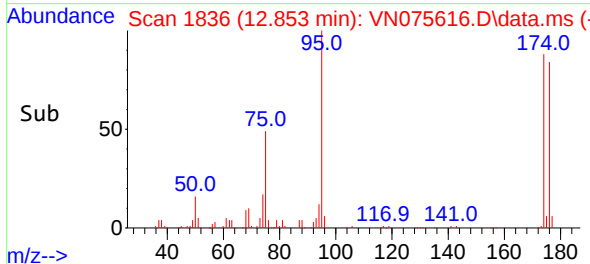
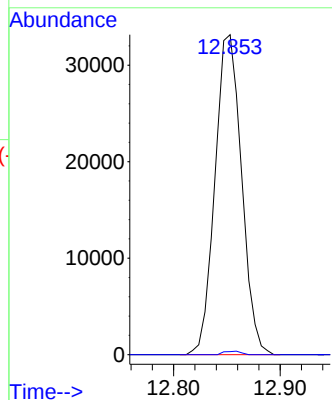
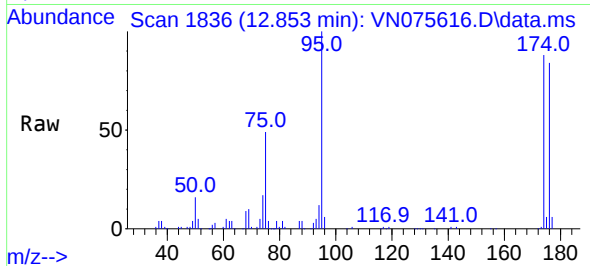




#76
1,2,3-Trichloropropane
Concen: 21.621 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075616.D
Acq: 07 Dec 2022 19:07

Instrument :
MSVOA_N
ClientSampleId :
MH-19

Tgt Ion: 75 Resp: 57426
Ion Ratio Lower Upper
75 100
77 0.7 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.971 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN075616.D
Acq: 07 Dec 2022 19:07

Tgt Ion: 75 Resp: 57426
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.1 37.7 56.5#

