

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112322\
 Data File : VN075403.D
 Acq On : 23 Nov 2022 17:59
 Operator : JC\MD
 Sample : N5758-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-13

Quant Time: Nov 24 06:53:16 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)

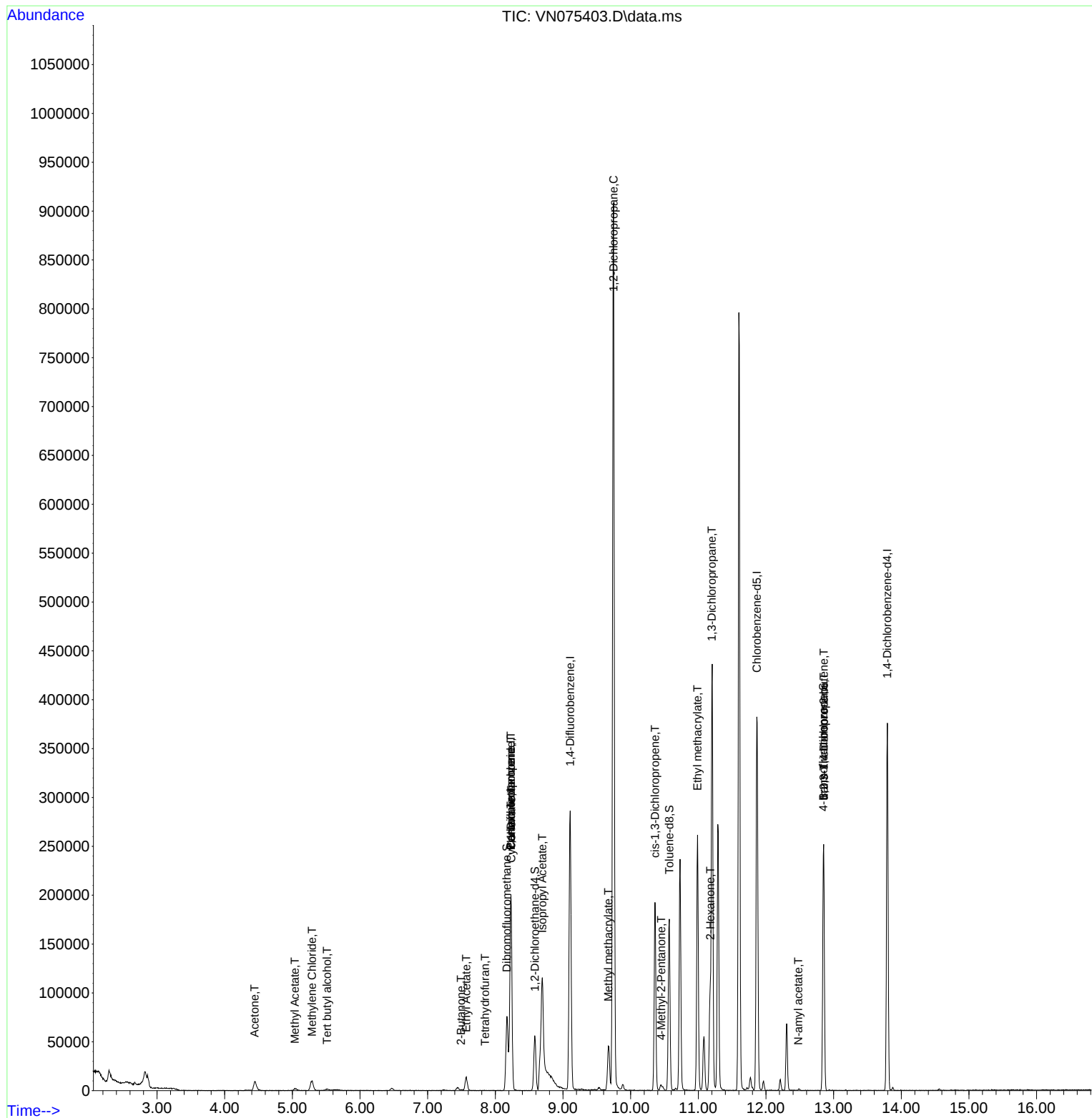
Internal Standards						
1) Pentafluorobenzene	8.230	168	151596	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	269965	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	243054	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	106810	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	45101	55.424	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.840%			
35) Dibromofluoromethane	8.171	113	53812	50.742	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.480%			
50) Toluene-d8	10.571	98	123882	51.865	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.720%			
62) 4-Bromofluorobenzene	12.847	95	88231	50.045	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.100%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.512	59	1194	3.495	ug/l #	72
16) Acetone	4.442	43	17773	23.416	ug/l	99
18) Methyl Acetate	5.036	43	4311	0.983	ug/l #	89
20) Methylene Chloride	5.289	84	8736	4.512	ug/l #	86
25) 2-Butanone	7.494	43	1318	1.244	ug/l #	43
29) Tetrahydrofuran	7.847	42	323	0.501	ug/l #	26
31) Cyclohexane	8.236	56	3055	1.182	ug/l #	21
36) 1,1-Dichloropropene	8.230	75	11147	4.820	ug/l #	51
37) Ethyl Acetate	7.571	43	19211	9.225	ug/l	98
38) Carbon Tetrachloride	8.230	117	15871	6.247	ug/l #	15
43) Isopropyl Acetate	8.694	43	174389	52.172	ug/l #	76
45) 1,2-Dichloropropane	9.747	63	1246	0.738	ug/l #	42
48) Methyl methacrylate	9.671	41	2742	1.774	ug/l #	30
51) 4-Methyl-2-Pentanone	10.453	43	3564	1.674	ug/l	95
54) cis-1,3-Dichloropropene	10.359	75	38740	14.375	ug/l #	59
56) Ethyl methacrylate	10.988	69	705	0.281	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5040	1.663	ug/l #	42
59) 2-Hexanone	11.177	43	75473	47.211	ug/l #	21
74) N-amyl acetate	12.476	43	722	0.301	ug/l #	42
76) 1,2,3-Trichloropropane	12.853	75	44631	22.100	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	44631	65.389	ug/l #	10

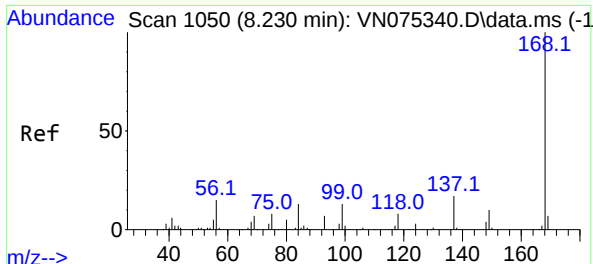
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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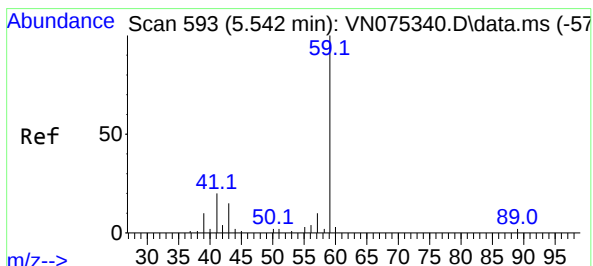
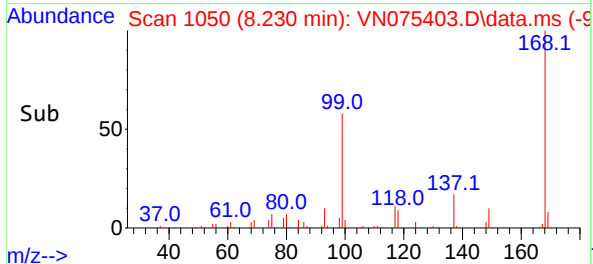
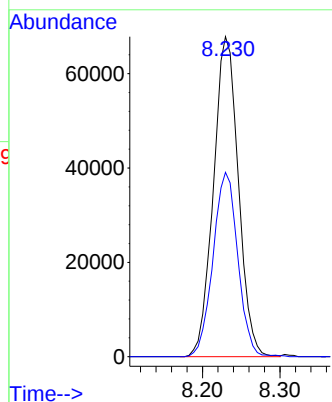
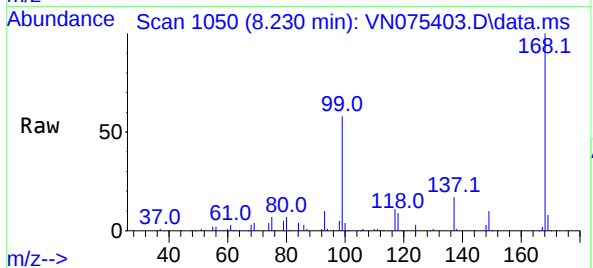




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075403.D
Acq: 23 Nov 2022 17:59

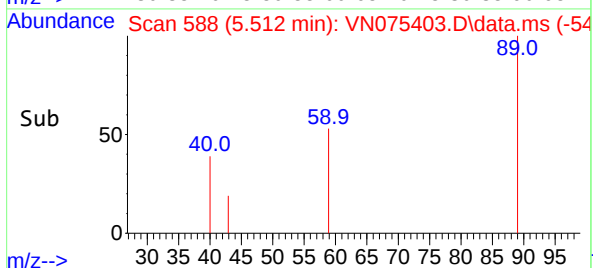
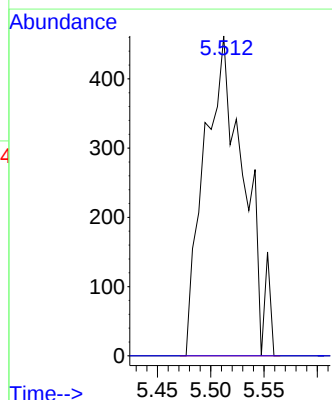
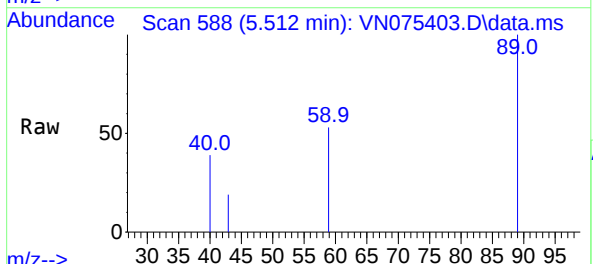
Instrument :
MSVOA_N
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MH-13

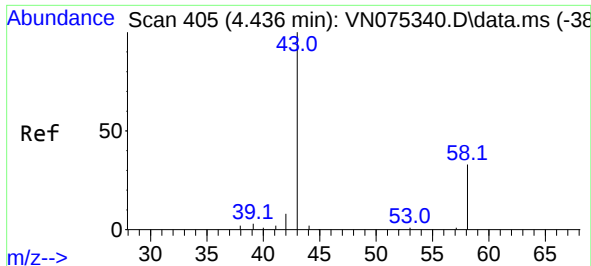
Tgt Ion:168 Resp: 151596
Ion Ratio Lower Upper
168 100
99 57.6 51.6 77.4



#11
Tert butyl alcohol
Concen: 3.495 ug/l
RT: 5.512 min Scan# 588
Delta R.T. -0.030 min
Lab File: VN075403.D
Acq: 23 Nov 2022 17:59

Tgt Ion: 59 Resp: 1194
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

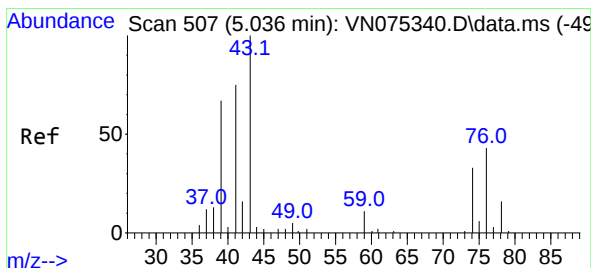
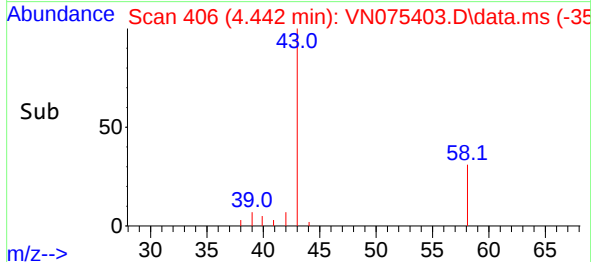
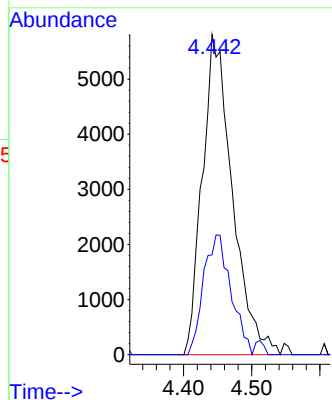
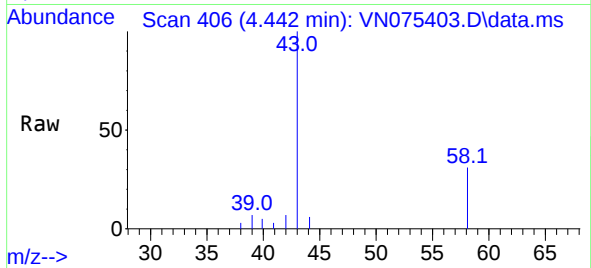




#16
Acetone
Concen: 23.416 ug/l
RT: 4.442 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN075403.D
Acq: 23 Nov 2022 17:59

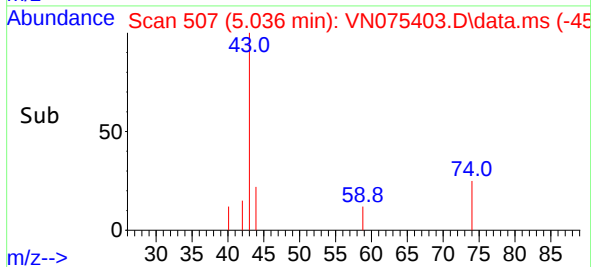
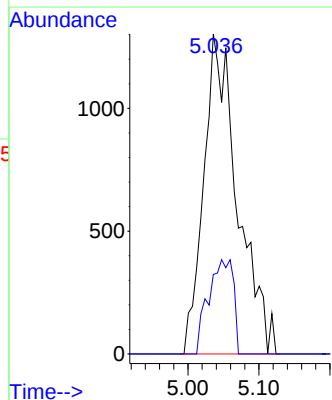
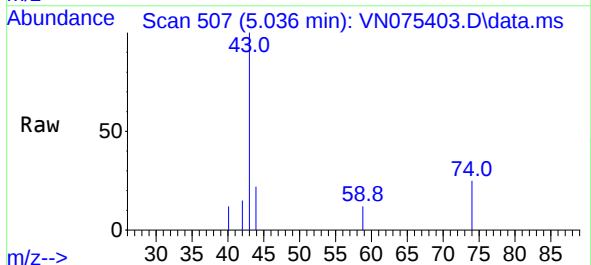
Instrument :
MSVOA_N
ClientSampleId :
MH-13

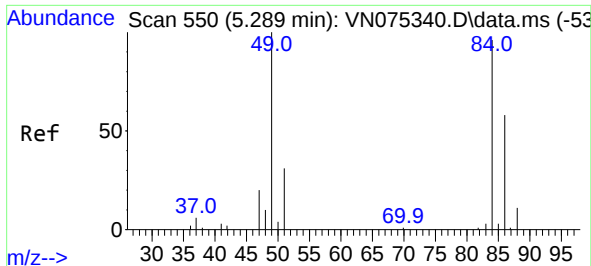
Tgt Ion: 43 Resp: 17773
Ion Ratio Lower Upper
43 100
58 31.2 25.5 38.3



#18
Methyl Acetate
Concen: 0.983 ug/l
RT: 5.036 min Scan# 507
Delta R.T. -0.000 min
Lab File: VN075403.D
Acq: 23 Nov 2022 17:59

Tgt Ion: 43 Resp: 4311
Ion Ratio Lower Upper
43 100
74 21.6 22.0 33.0#



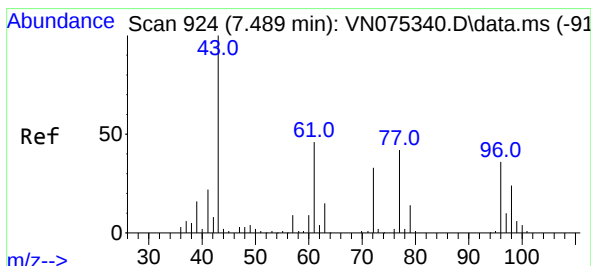
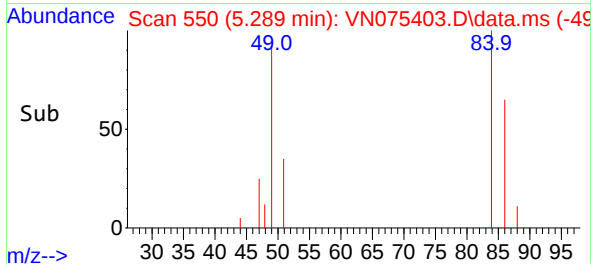
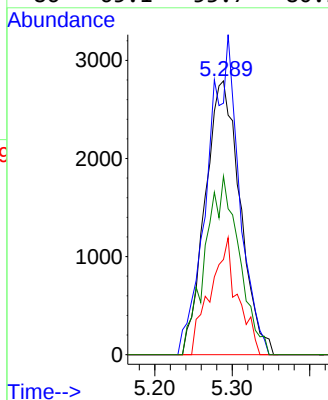
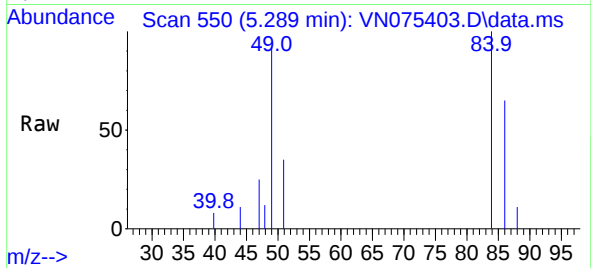


#20
Methylene Chloride
Concen: 4.512 ug/l
RT: 5.289 min Scan# 511
Delta R.T. -0.000 min
Lab File: VN075403.D
Acq: 23 Nov 2022 17:59

Instrument :
MSVOA_N
ClientSampleId :
MH-13

Tgt Ion: 84 Resp: 8736

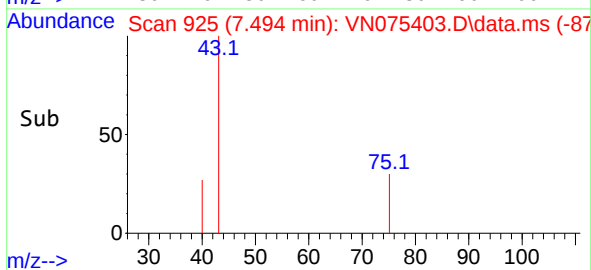
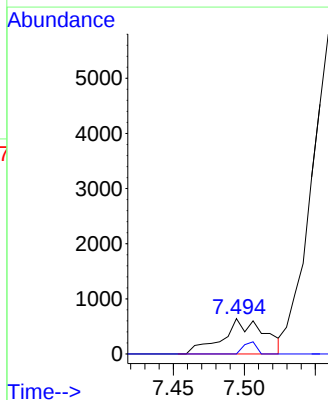
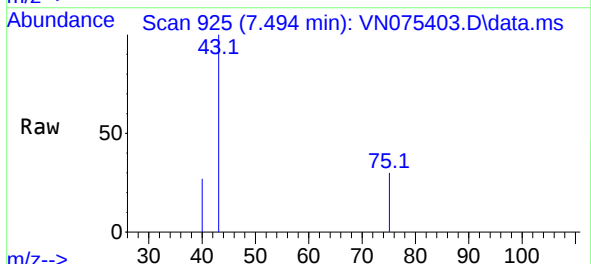
Ion	Ratio	Lower	Upper
84	100		
49	91.9	94.9	142.3#
51	34.8	26.8	40.2
86	65.1	53.7	80.5

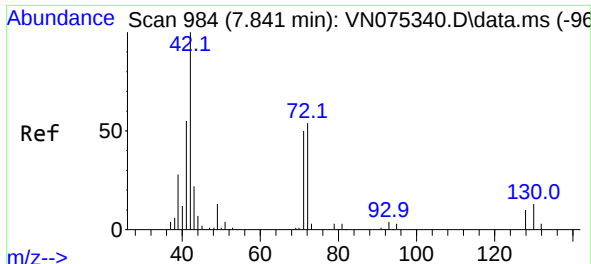


#25
2-Butanone
Concen: 1.244 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.005 min
Lab File: VN075403.D
Acq: 23 Nov 2022 17:59

Tgt Ion: 43 Resp: 1318

Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.5	38.3#

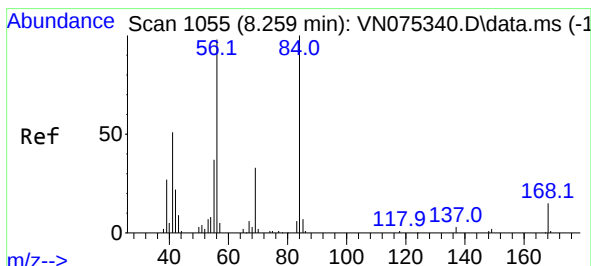
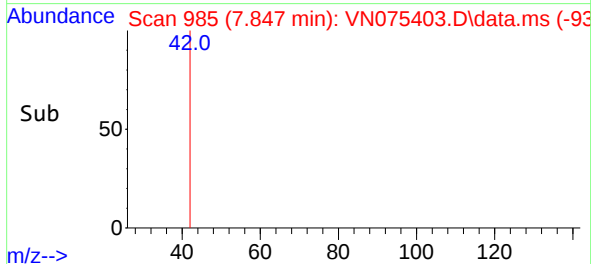
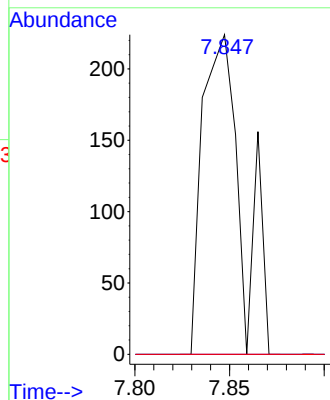
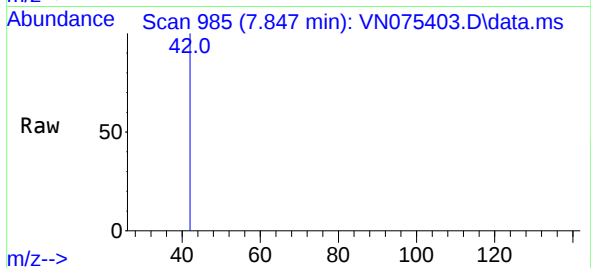




#29
Tetrahydrofuran
Concen: 0.501 ug/l
RT: 7.847 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN075403.D
Acq: 23 Nov 2022 17:59

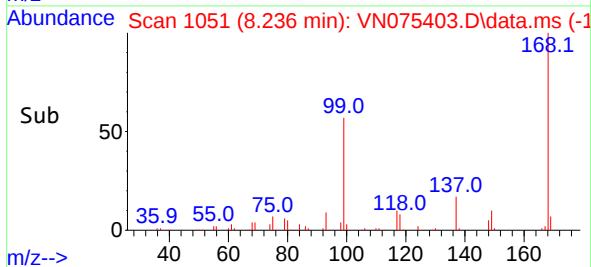
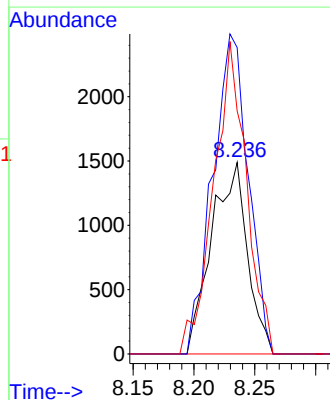
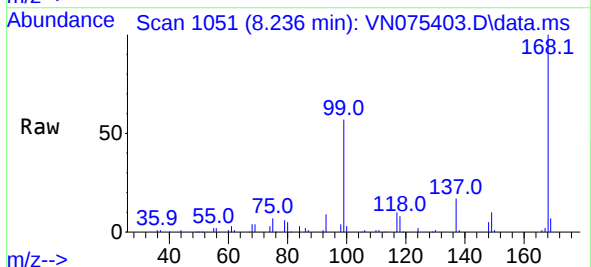
Instrument :
MSVOA_N
ClientSampleId :
MH-13

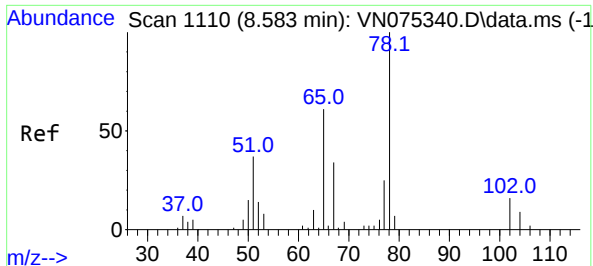
Tgt Ion: 42 Resp: 323
Ion Ratio Lower Upper
42 100
72 0.0 43.0 64.6#
71 0.0 39.9 59.9#



#31
Cyclohexane
Concen: 1.182 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.023 min
Lab File: VN075403.D
Acq: 23 Nov 2022 17:59

Tgt Ion: 56 Resp: 3055
Ion Ratio Lower Upper
56 100
69 160.0 25.2 37.8#
84 126.9 77.8 116.8#





#33

1,2-Dichloroethane-d4

Concen: 55.424 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VN075403.D

Acq: 23 Nov 2022 17:59

Instrument :

MSVOA_N

ClientSampleId :

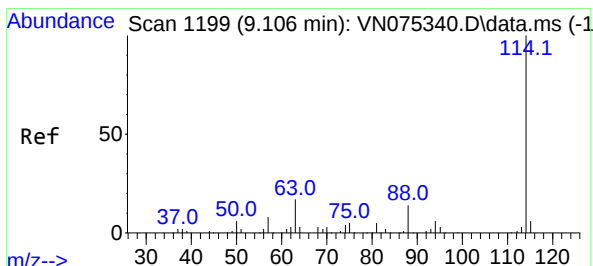
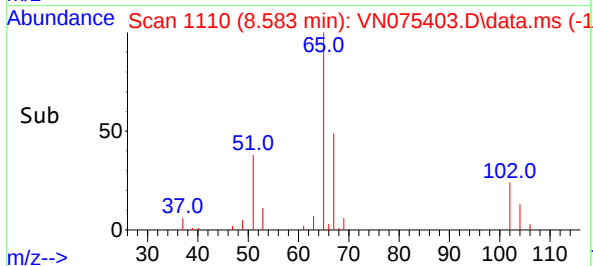
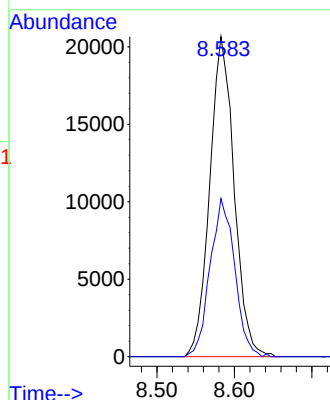
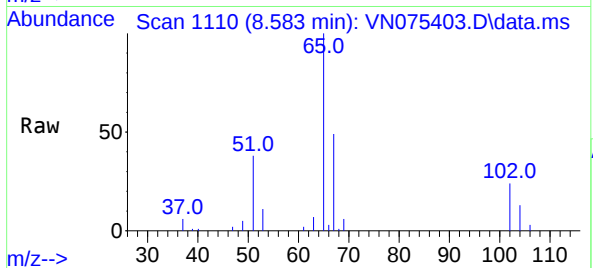
MH-13

Tgt Ion: 65 Resp: 45101

Ion Ratio Lower Upper

65 100

67 49.9 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: VN075403.D

Acq: 23 Nov 2022 17:59

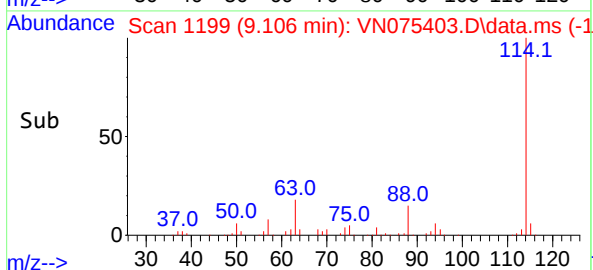
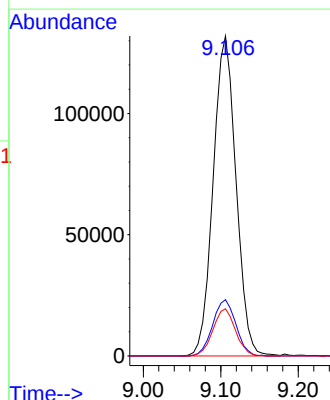
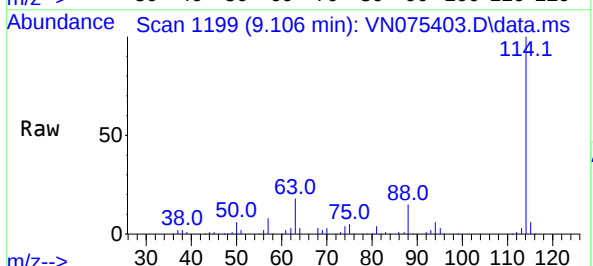
Tgt Ion: 114 Resp: 269965

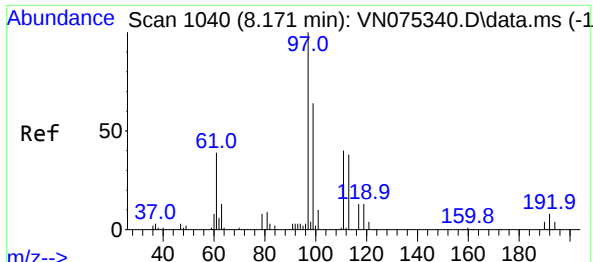
Ion Ratio Lower Upper

114 100

63 17.6 0.0 39.6

88 14.8 0.0 29.0

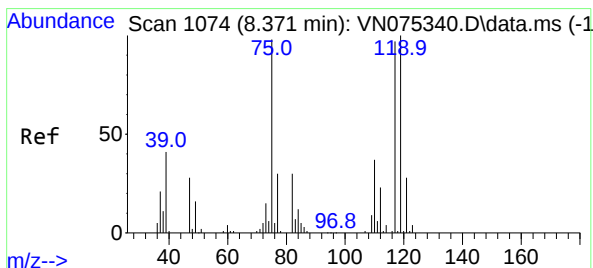
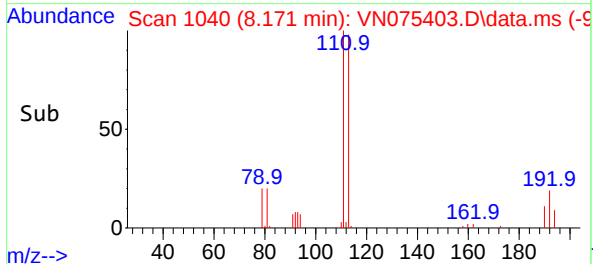
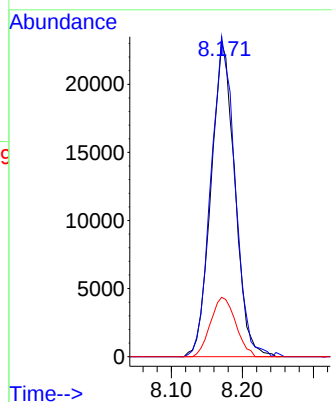
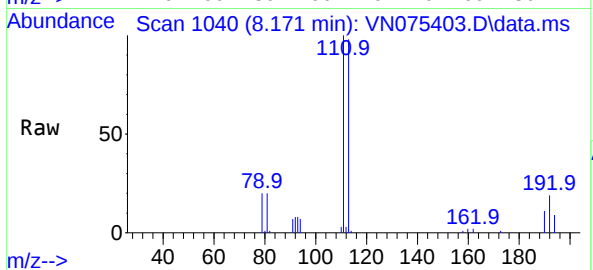




#35
Dibromofluoromethane
Concen: 50.742 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075403.D
Acq: 23 Nov 2022 17:59

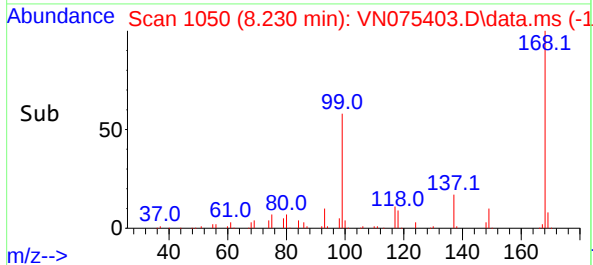
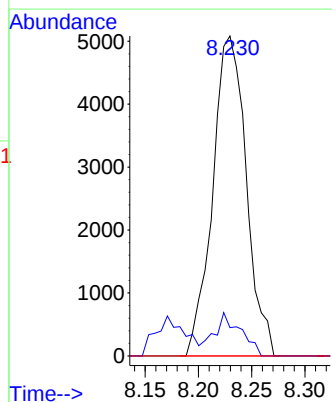
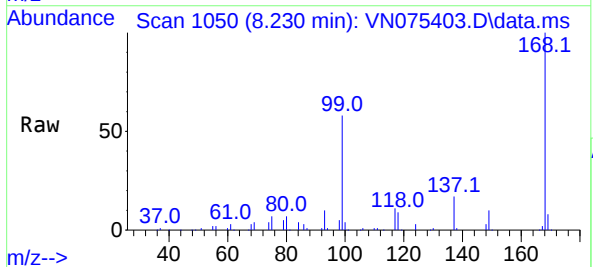
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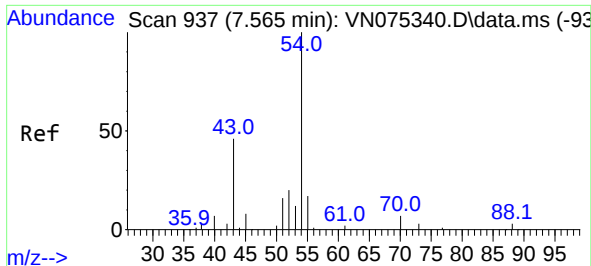
Tgt Ion:113 Resp: 53812
Ion Ratio Lower Upper
113 100
111 102.4 80.5 120.7
192 19.9 13.2 19.8#



#36
1,1-Dichloropropene
Concen: 4.820 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN075403.D
Acq: 23 Nov 2022 17:59

Tgt Ion: 75 Resp: 11147
Ion Ratio Lower Upper
75 100
110 10.7 17.8 53.3#
77 0.0 24.6 37.0#

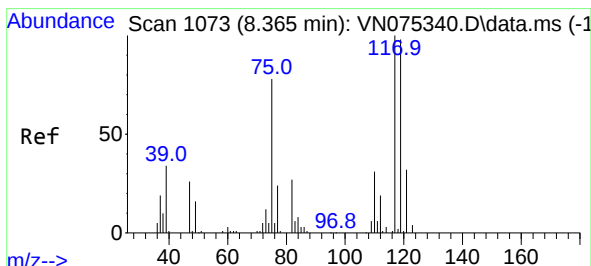
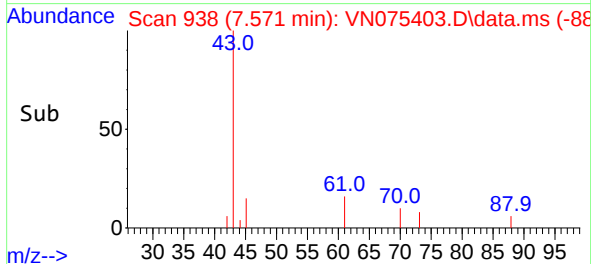
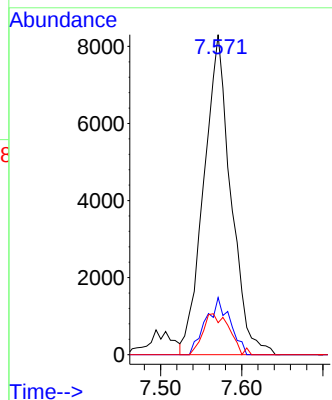
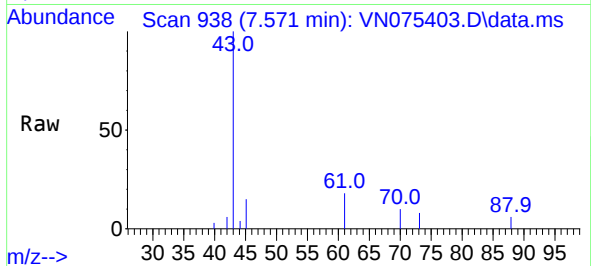




#37
Ethyl Acetate
Concen: 9.225 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN075403.D
Acq: 23 Nov 2022 17:59

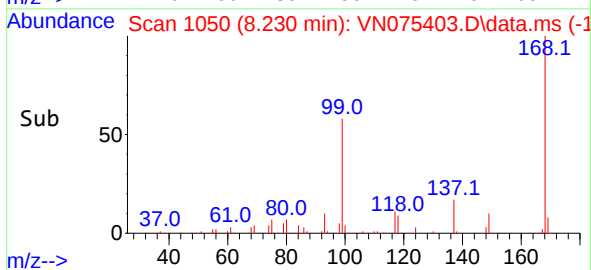
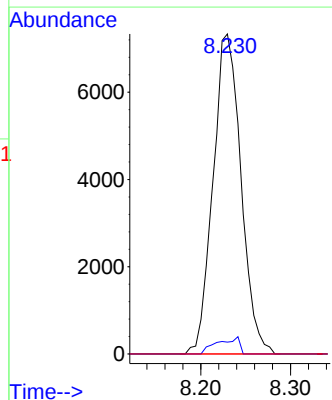
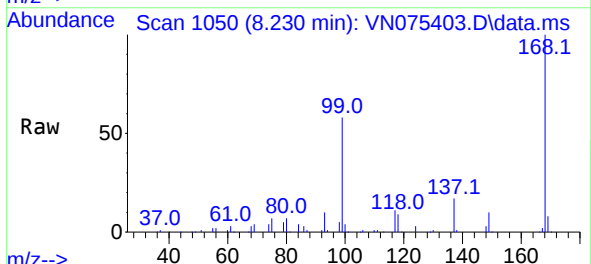
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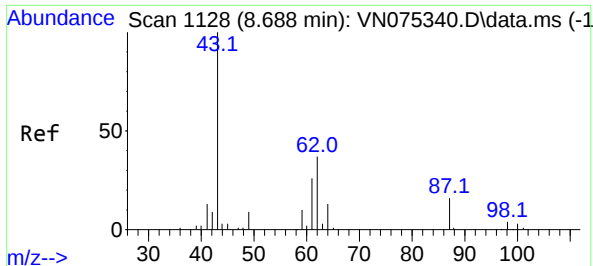
Tgt Ion:	43	Resp:	19211
Ion	Ratio	Lower	Upper
43	100		
61	15.9	12.2	18.4
70	12.5	9.4	14.2



#38
Carbon Tetrachloride
Concen: 6.247 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN075403.D
Acq: 23 Nov 2022 17:59

Tgt Ion:	117	Resp:	15871
Ion	Ratio	Lower	Upper
117	100		
119	3.7	76.7	115.1#
121	0.0	23.9	35.9#

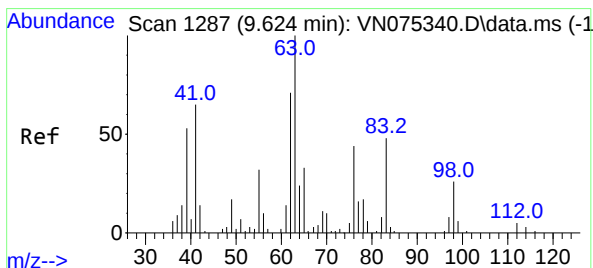
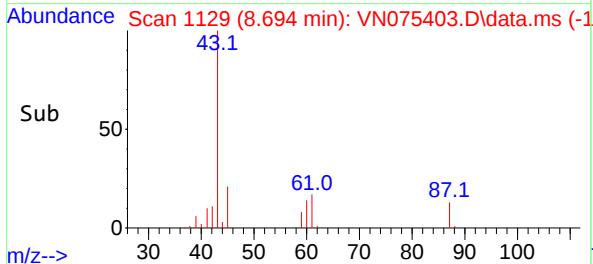
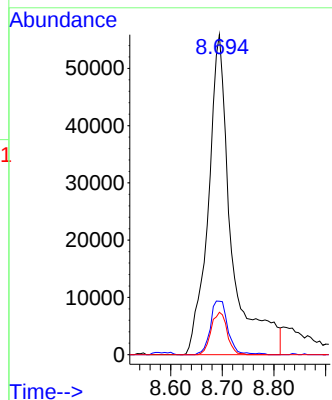
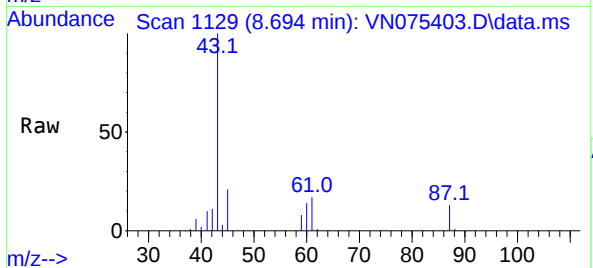




#43
Isopropyl Acetate
Concen: 52.172 ug/l
RT: 8.694 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN075403.D
Acq: 23 Nov 2022 17:59

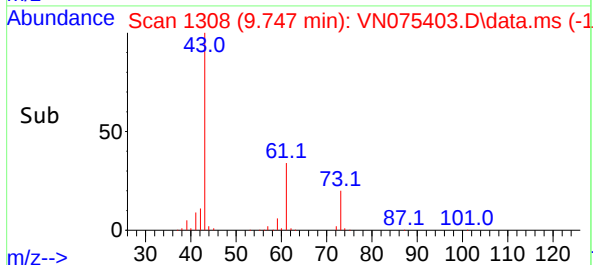
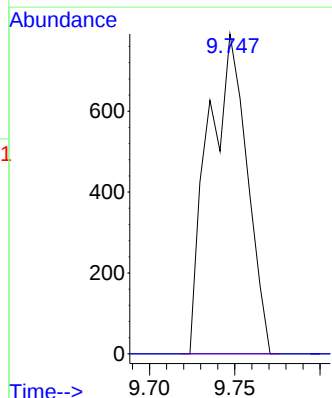
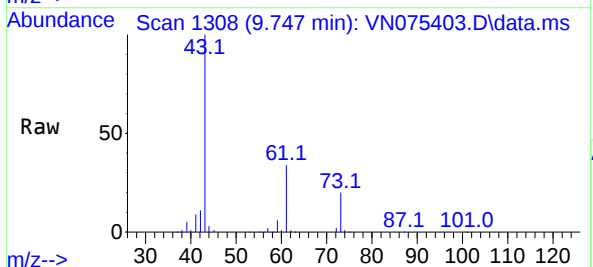
Instrument :
MSVOA_N
ClientSampleId :
MH-13

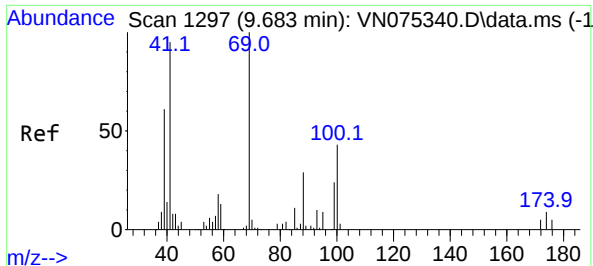
Tgt Ion: 43 Resp: 174389
Ion Ratio Lower Upper
43 100
61 12.6 22.4 33.6#
87 9.1 12.5 18.7#



#45
1,2-Dichloropropane
Concen: 0.738 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.123 min
Lab File: VN075403.D
Acq: 23 Nov 2022 17:59

Tgt Ion: 63 Resp: 1246
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#

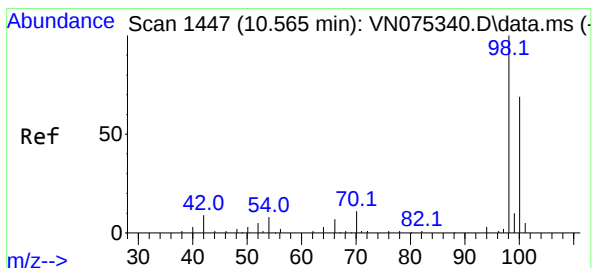
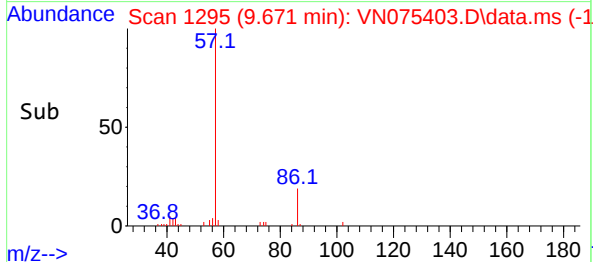
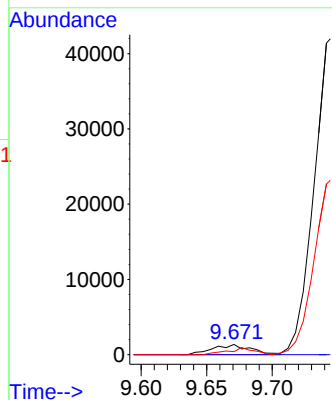
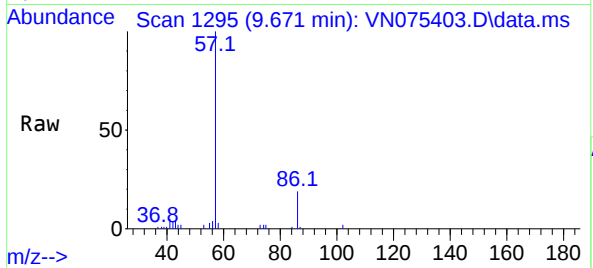




#48
Methyl methacrylate
Concen: 1.774 ug/l
RT: 9.671 min Scan# 1295
Delta R.T. -0.012 min
Lab File: VN075403.D
Acq: 23 Nov 2022 17:59

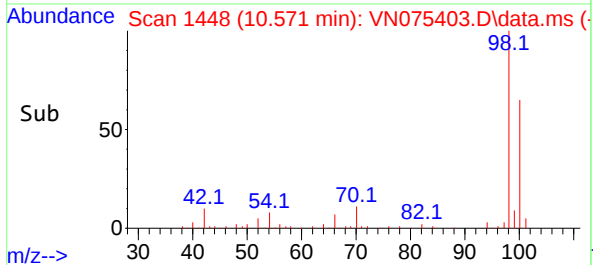
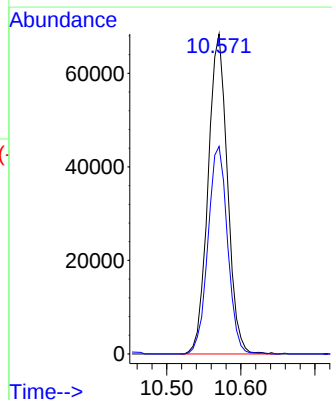
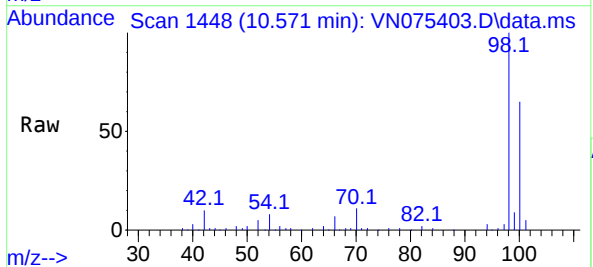
Instrument :
MSVOA_N
ClientSampleId :
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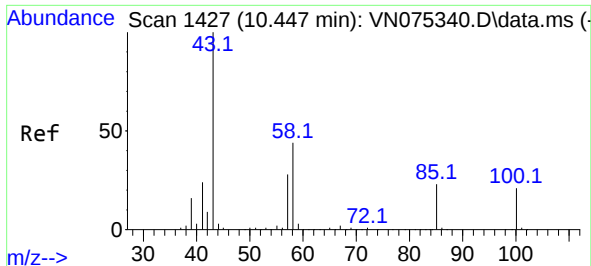
Tgt Ion: 41 Resp: 2742
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 47.6 56.2 84.2#



#50
Toluene-d8
Concen: 51.865 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN075403.D
Acq: 23 Nov 2022 17:59

Tgt Ion: 98 Resp: 123882
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.6

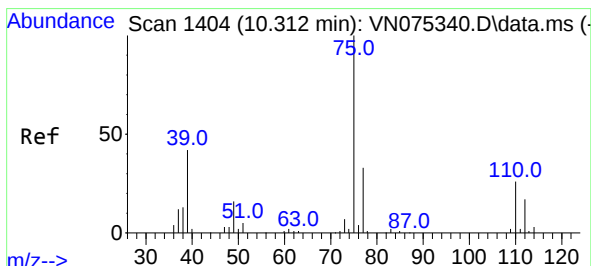
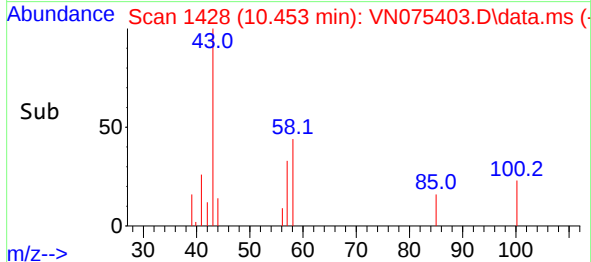
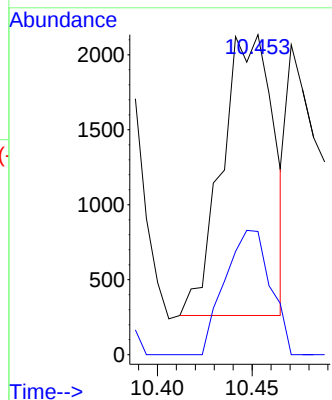
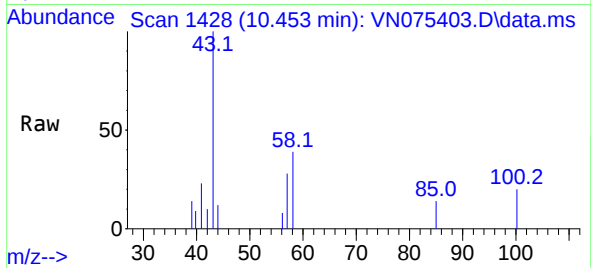




#51
4-Methyl-2-Pentanone
Concen: 1.674 ug/l
RT: 10.453 min Scan# 1412
Delta R.T. 0.006 min
Lab File: VN075403.D
Acq: 23 Nov 2022 17:59

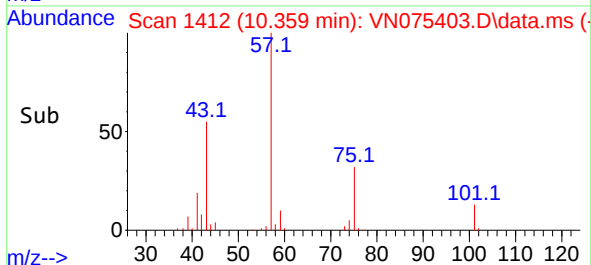
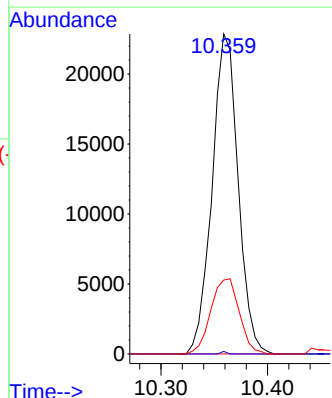
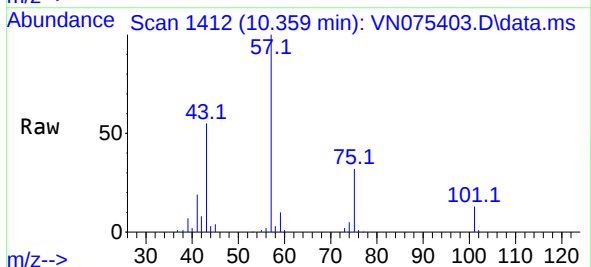
Instrument :
MSVOA_N
ClientSampleId :
MH-13

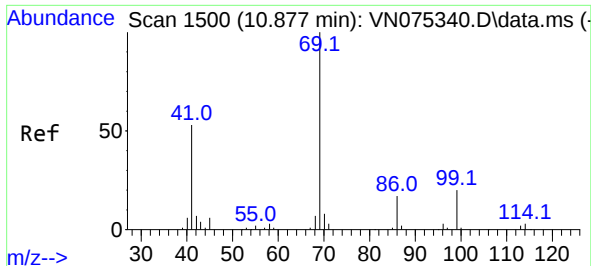
Tgt Ion: 43 Resp: 3564
Ion Ratio Lower Upper
43 100
58 39.0 33.6 50.4



#54
cis-1,3-Dichloropropene
Concen: 14.375 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.047 min
Lab File: VN075403.D
Acq: 23 Nov 2022 17:59

Tgt Ion: 75 Resp: 38740
Ion Ratio Lower Upper
75 100
77 0.8 23.7 35.5#
39 23.1 35.8 53.6#

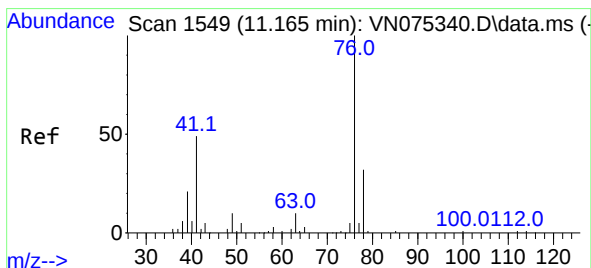
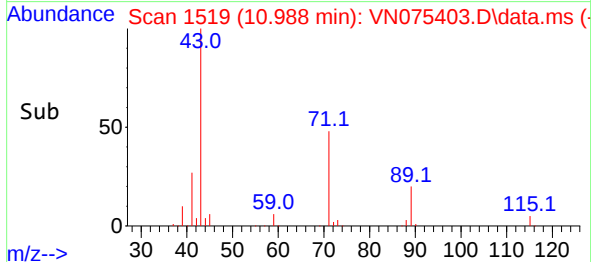
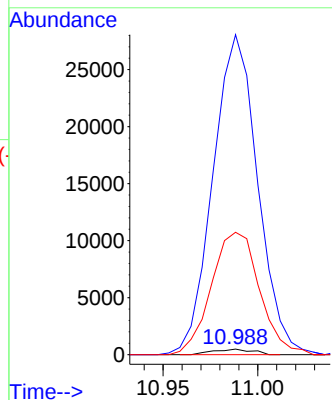
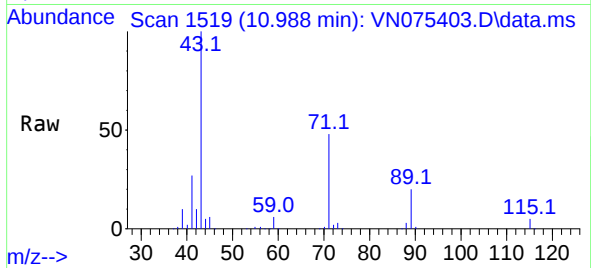




#56
Ethyl methacrylate
Concen: 0.281 ug/l
RT: 10.988 min Scan# 11
Delta R.T. 0.111 min
Lab File: VN075403.D
Acq: 23 Nov 2022 17:59

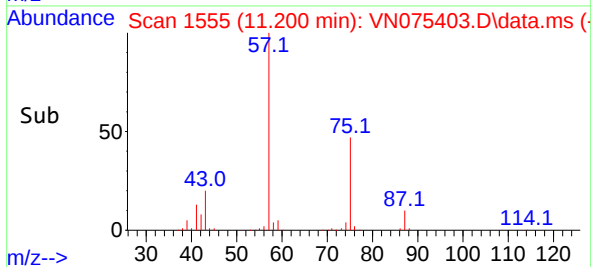
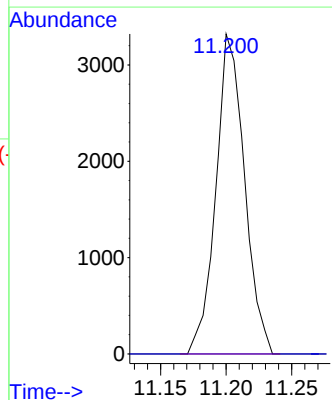
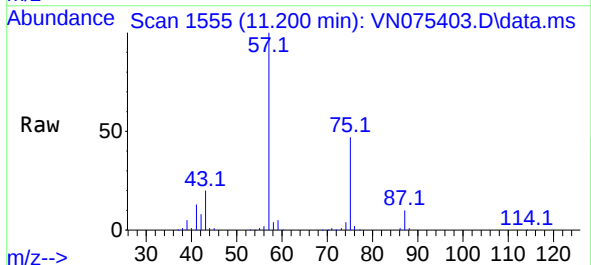
Instrument :
MSVOA_N
ClientSampleId :
MH-13

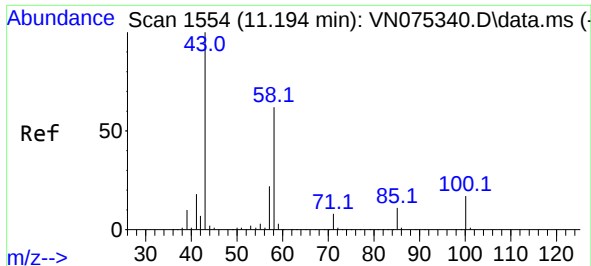
Tgt Ion: 69 Resp: 705
Ion Ratio Lower Upper
69 100
41 6561.1 45.6 68.4#
39 2700.6 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.663 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.035 min
Lab File: VN075403.D
Acq: 23 Nov 2022 17:59

Tgt Ion: 76 Resp: 5040
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

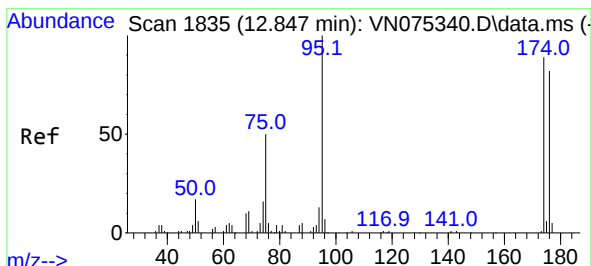
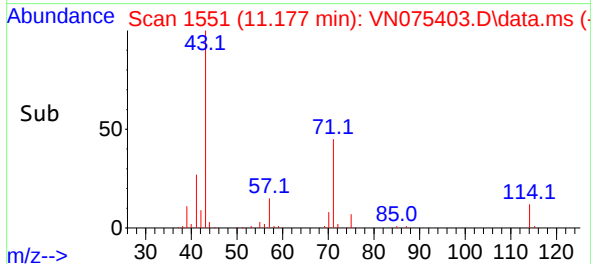
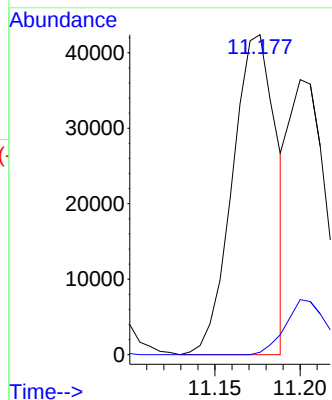
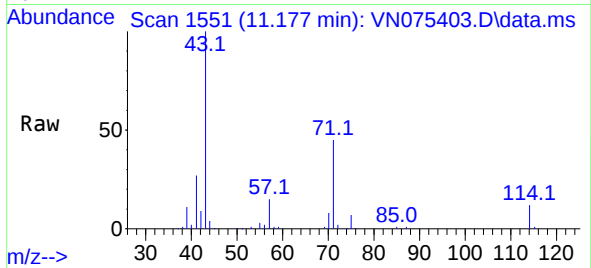




#59
2-Hexanone
Concen: 47.211 ug/l
RT: 11.177 min Scan# 1151
Delta R.T. -0.018 min
Lab File: VN075403.D
Acq: 23 Nov 2022 17:59

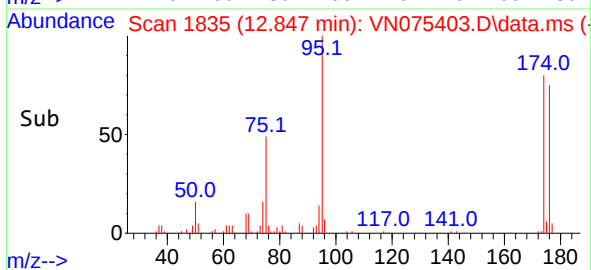
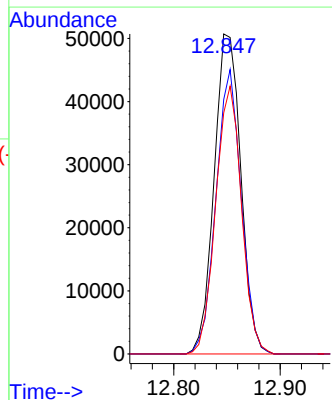
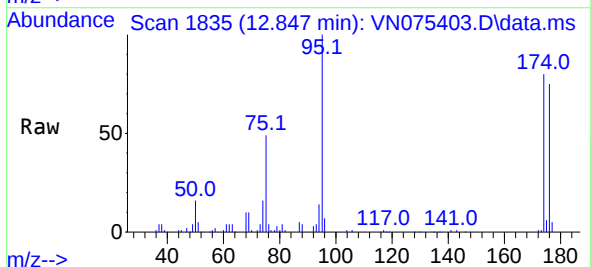
Instrument :
MSVOA_N
ClientSampleId :
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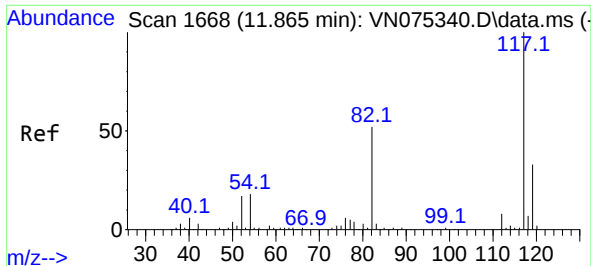
Tgt Ion: 43 Resp: 75473
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 50.045 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.000 min
Lab File: VN075403.D
Acq: 23 Nov 2022 17:59

Tgt Ion: 95 Resp: 88231
Ion Ratio Lower Upper
95 100
174 84.2 0.0 147.4
176 80.8 0.0 142.2

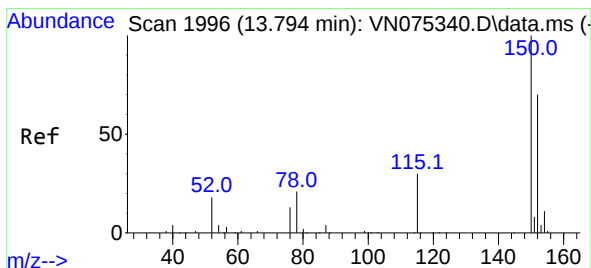
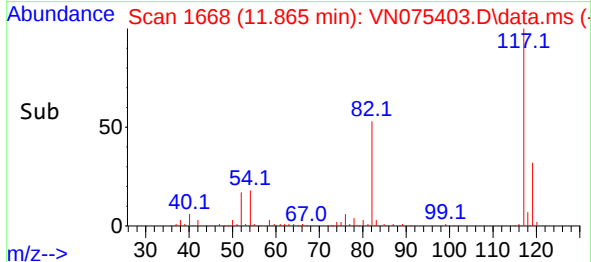
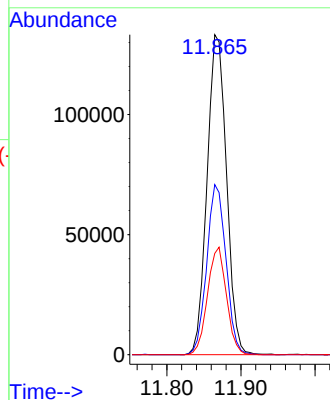
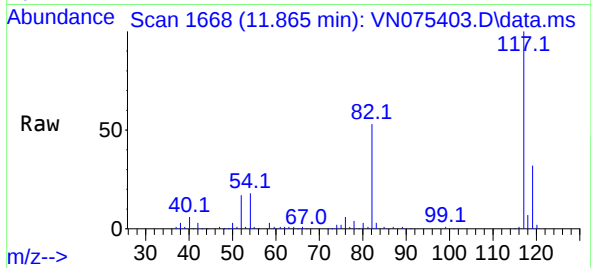




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.000 min
Lab File: VN075403.D
Acq: 23 Nov 2022 17:59

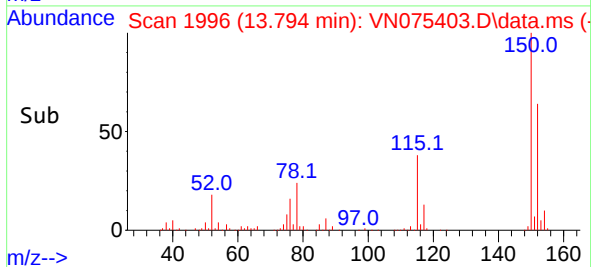
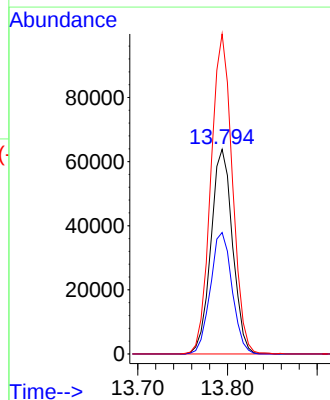
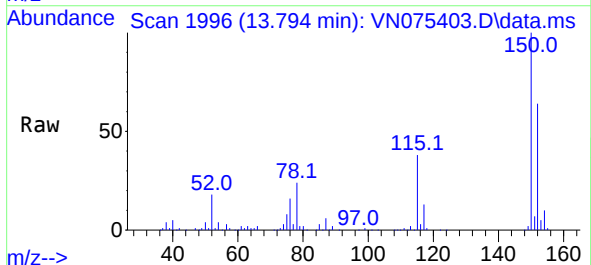
Instrument :
MSVOA_N
ClientSampleId :
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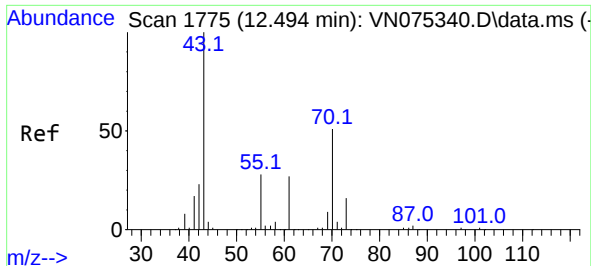
Tgt Ion:117 Resp: 243054
Ion Ratio Lower Upper
117 100
82 53.2 43.1 64.7
119 31.7 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075403.D
Acq: 23 Nov 2022 17:59

Tgt Ion:152 Resp: 106810
Ion Ratio Lower Upper
152 100
115 59.6 30.2 90.6
150 155.3 0.0 348.4

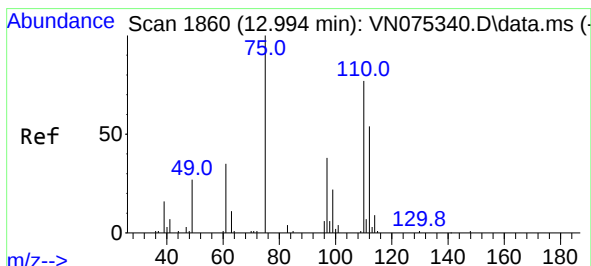
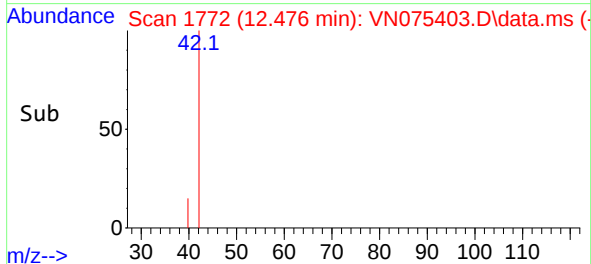
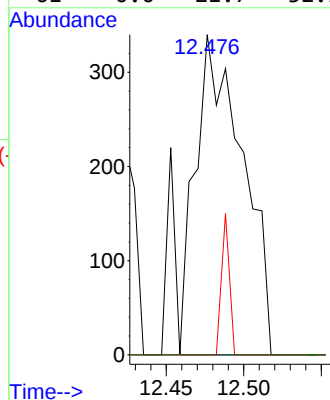
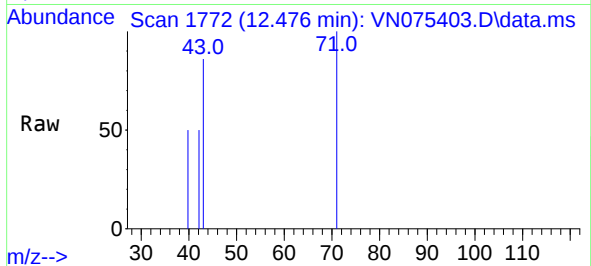




#74
N-amy1 acetate
Concen: 0.301 ug/l
RT: 12.476 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN075403.D
Acq: 23 Nov 2022 17:59

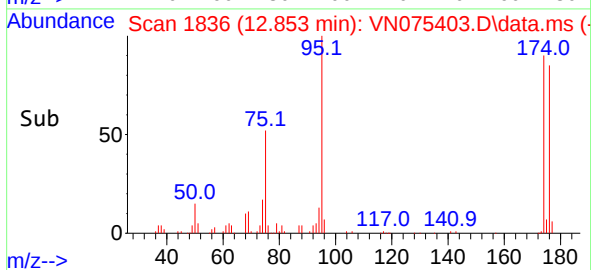
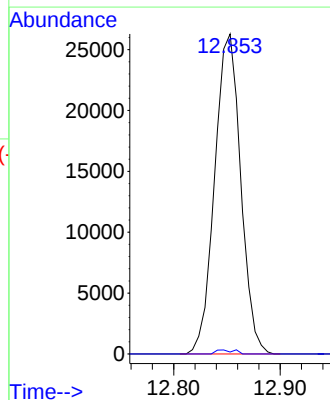
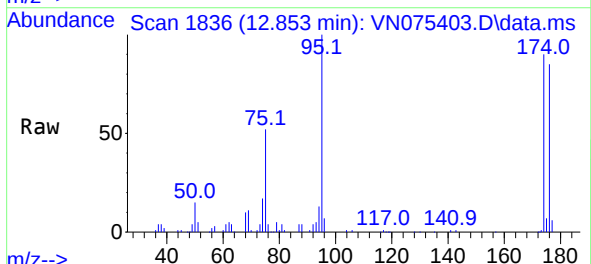
Instrument :
MSVOA_N
ClientSampleId :
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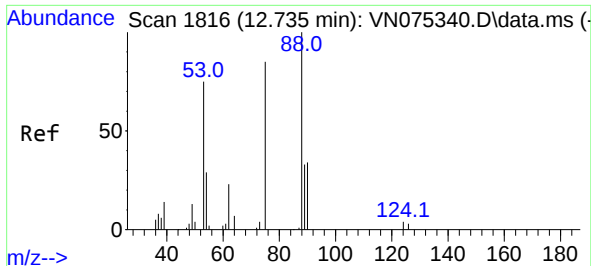
Tgt Ion: 43	Resp:	722
Ion	Ratio	Lower Upper
43	100	
70	0.0	39.8 59.8#
55	7.3	19.9 29.9#
61	0.0	21.7 32.5#



#76
1,2,3-Trichloropropane
Concen: 22.100 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075403.D
Acq: 23 Nov 2022 17:59

Tgt Ion: 75	Resp:	44631
Ion	Ratio	Lower Upper
75	100	
77	0.9	75.6 226.8#





#81
trans-1,4-Dichloro-2-butene
Concen: 65.389 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN075403.D
Acq: 23 Nov 2022 17:59

Instrument :
MSVOA_N
ClientSampleId :
MH-13

Tgt Ion: 75 Resp: 44631
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

