

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112822\
 Data File : VN075455.D
 Acq On : 28 Nov 2022 17:47
 Operator : JC\MD
 Sample : N5757-09DL 2X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP03-20221121DL

Quant Time: Nov 29 05:33:10 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)

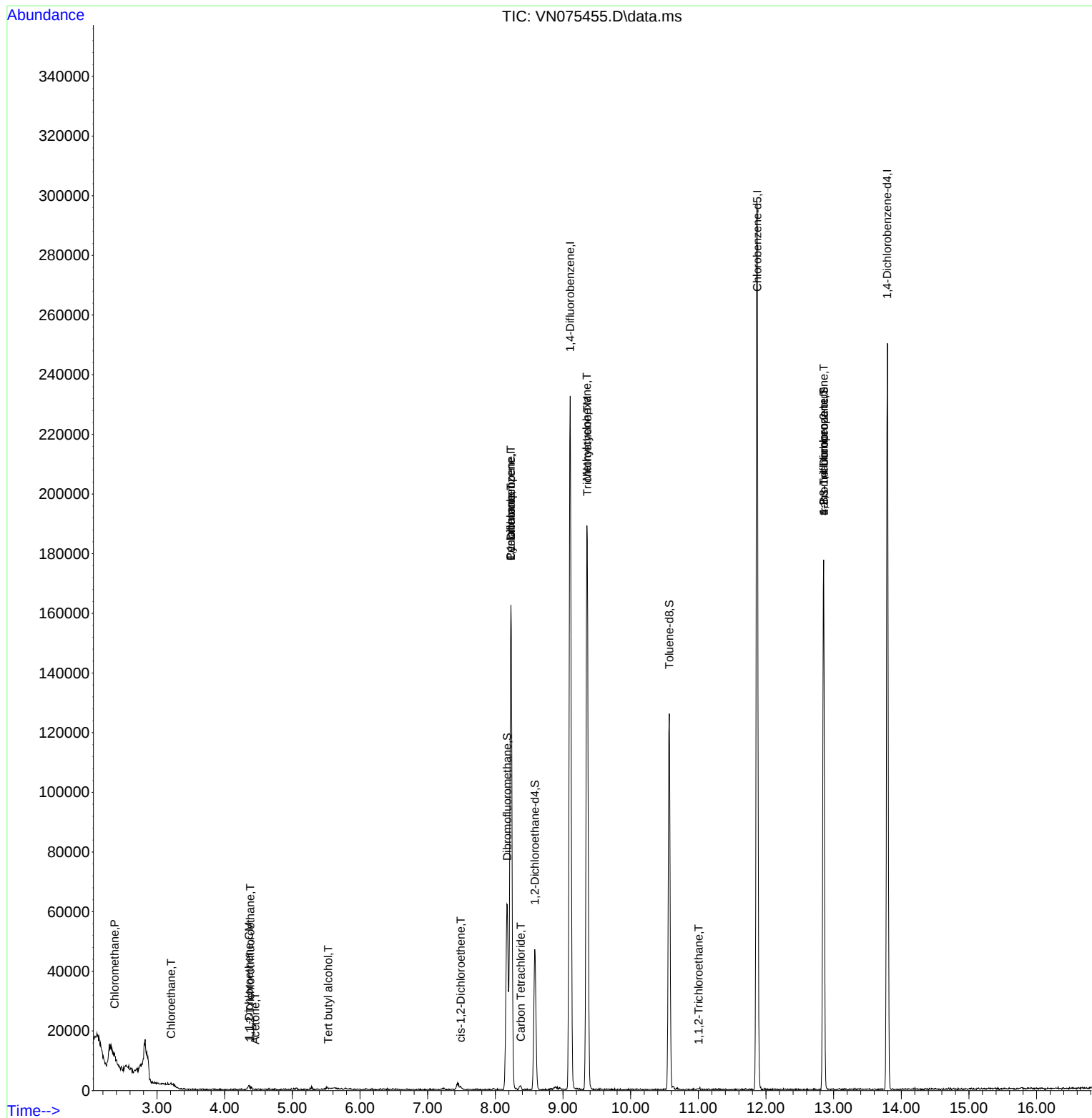
Internal Standards						
1) Pentafluorobenzene	8.230	168	122337	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	215650	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	184259	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	71065	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	38106	58.028	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.060%			
35) Dibromofluoromethane	8.177	113	45379	53.567	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.140%			
50) Toluene-d8	10.571	98	92735	48.603	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.200%			
62) 4-Bromofluorobenzene	12.853	95	60733	43.125	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 86.240%			
Target Compounds						Qvalue
3) Chloromethane	2.371	50	271	0.233	ug/l #	42
6) Chloroethane	3.206	64	624	0.561	ug/l #	45
9) 1,1,2-Trichlorotrifluo...	4.377	101	297	0.257	ug/l #	67
11) Tert butyl alcohol	5.530	59	181	0.657	ug/l #	72
12) 1,1-Dichloroethene	4.359	96	449	0.396	ug/l #	63
16) Acetone	4.453	43	216	0.353	ug/l #	43
18) Methyl Acetate	5.036	43	292	Below Cal	#	47
20) Methylene Chloride	5.283	84	439	Below Cal	#	87
27) cis-1,2-Dichloroethene	7.489	96	558	0.382	ug/l	76
31) Cyclohexane	8.230	56	2625	1.258	ug/l #	29
36) 1,1-Dichloropropene	8.230	75	9489	5.136	ug/l #	50
38) Carbon Tetrachloride	8.377	117	1214	0.598	ug/l #	68
39) Methylcyclohexane	9.353	83	798	0.345	ug/l #	1
44) Trichloroethene	9.359	130	71979	46.507	ug/l	95
55) 1,1,2-Trichloroethane	11.006	97	406	0.273	ug/l #	17
76) 1,2,3-Trichloropropane	12.853	75	31395	23.365	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	31395	69.133	ug/l #	10

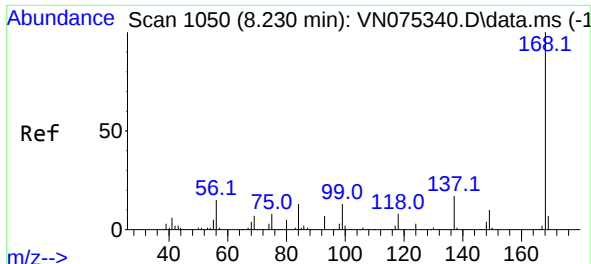
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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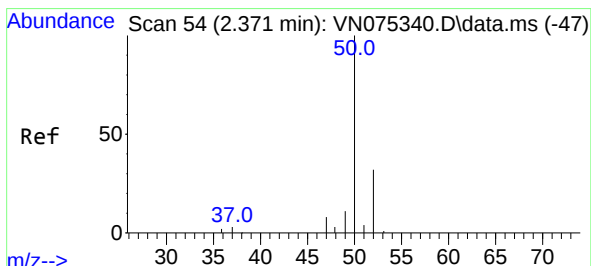
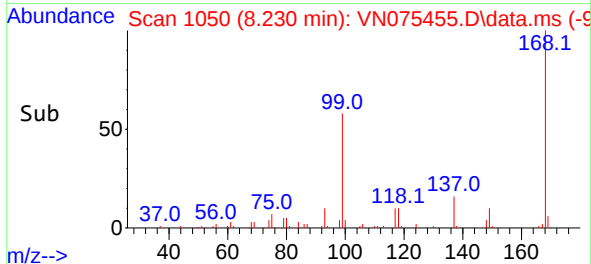
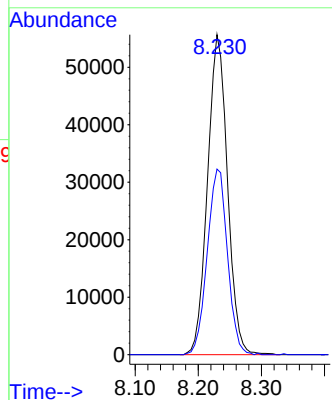
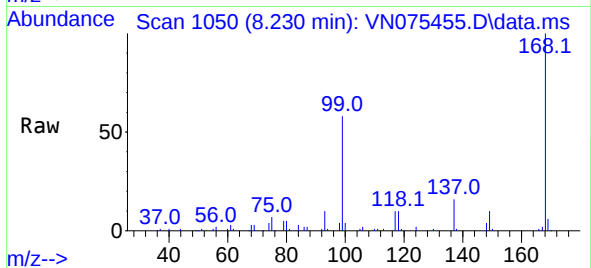




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075455.D
Acq: 28 Nov 2022 17:47

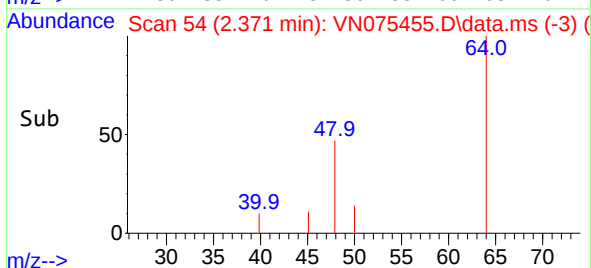
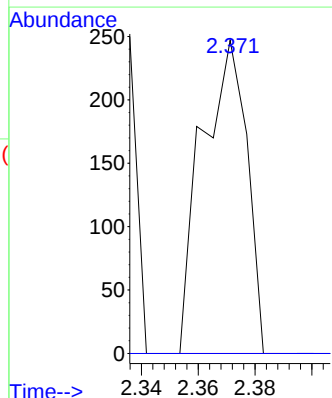
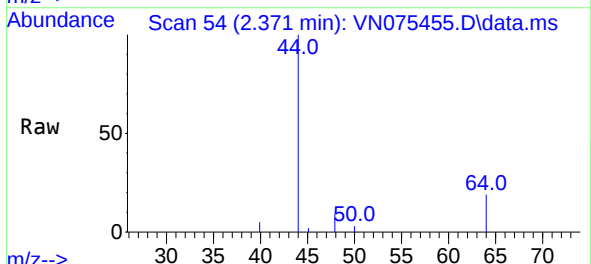
Instrument :
MSVOA_N
ClientSampleId :
DUP03-20221121DL

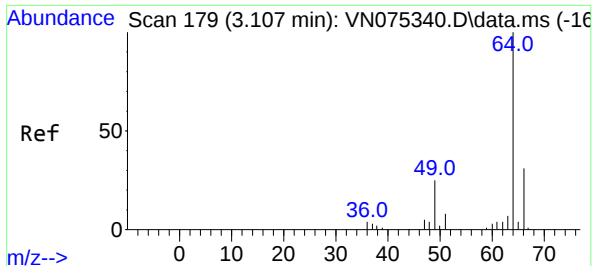
Tgt Ion:168 Resp: 122337
Ion Ratio Lower Upper
168 100
99 58.0 51.6 77.4



#3
Chloromethane
Concen: 0.233 ug/l
RT: 2.371 min Scan# 54
Delta R.T. 0.000 min
Lab File: VN075455.D
Acq: 28 Nov 2022 17:47

Tgt Ion: 50 Resp: 271
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.6#

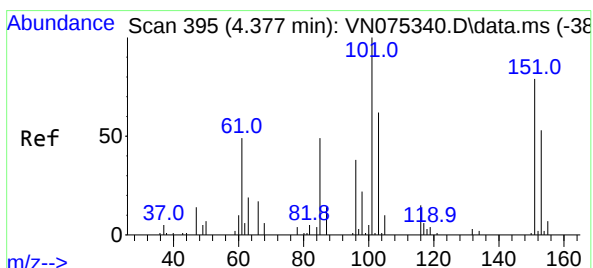
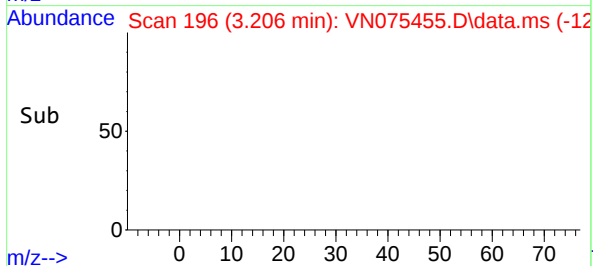
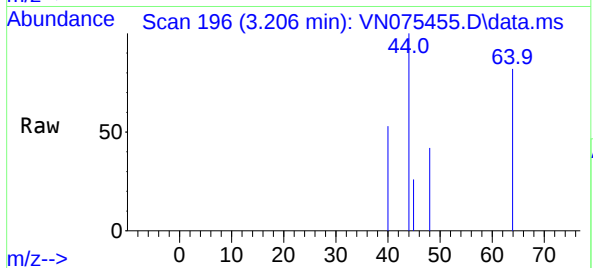




#6
Chloroethane
Concen: 0.561 ug/l
RT: 3.206 min Scan# 196
Delta R.T. 0.099 min
Lab File: VN075455.D
Acq: 28 Nov 2022 17:47

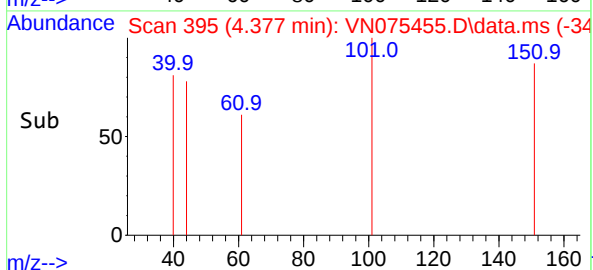
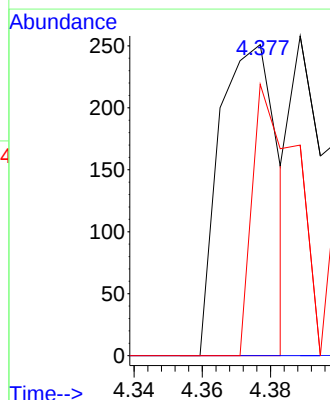
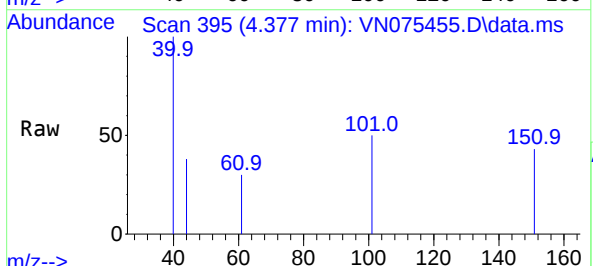
Instrument :
MSVOA_N
ClientSampleId :
DUP03-20221121DL

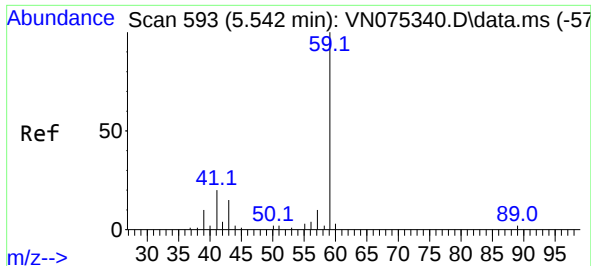
Tgt Ion: 64 Resp: 624
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.257 ug/l
RT: 4.377 min Scan# 395
Delta R.T. -0.000 min
Lab File: VN075455.D
Acq: 28 Nov 2022 17:47

Tgt Ion: 101 Resp: 297
Ion Ratio Lower Upper
101 100
85 0.0 37.6 56.4#
151 66.0 58.3 87.5

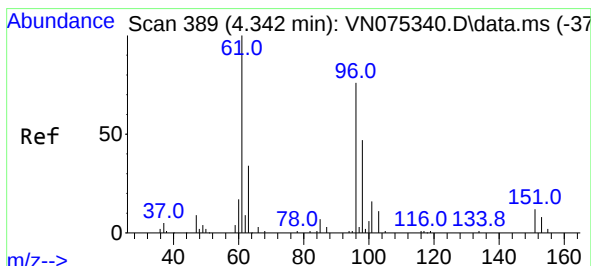
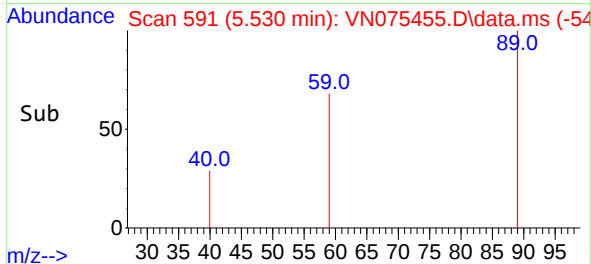
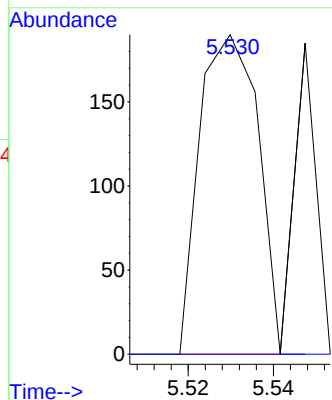
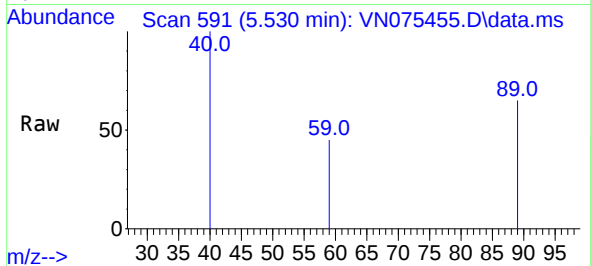




#11
Tert butyl alcohol
Concen: 0.657 ug/l
RT: 5.530 min Scan# 591
Delta R.T. -0.012 min
Lab File: VN075455.D
Acq: 28 Nov 2022 17:47

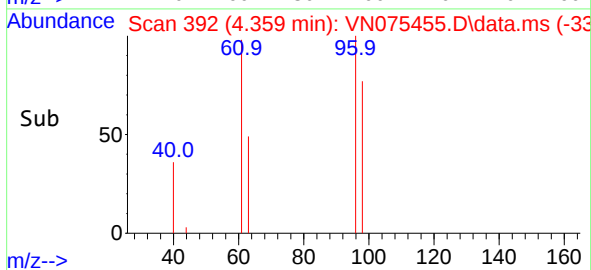
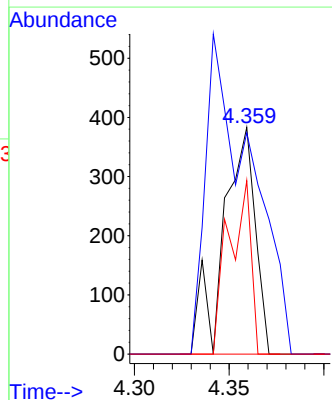
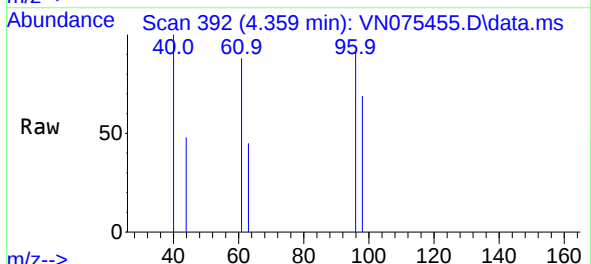
Instrument :
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ClientSampleId :
DUP03-20221121DL

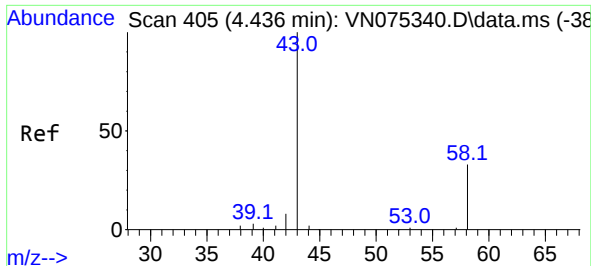
Tgt Ion: 59 Resp: 181
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#12
1,1-Dichloroethene
Concen: 0.396 ug/l
RT: 4.359 min Scan# 392
Delta R.T. 0.017 min
Lab File: VN075455.D
Acq: 28 Nov 2022 17:47

Tgt Ion: 96 Resp: 449
Ion Ratio Lower Upper
96 100
61 97.7 126.2 189.4#
98 76.5 51.5 77.3

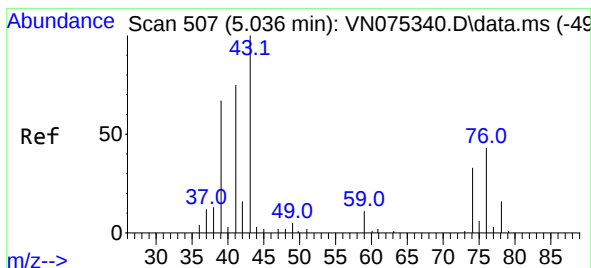
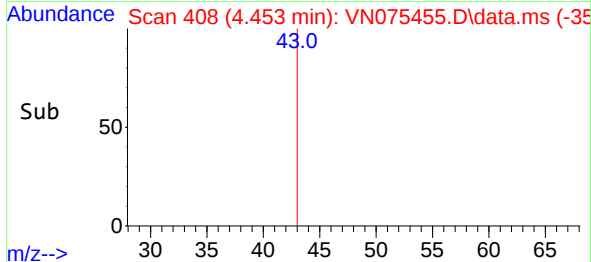
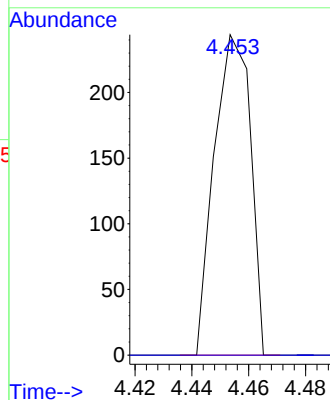
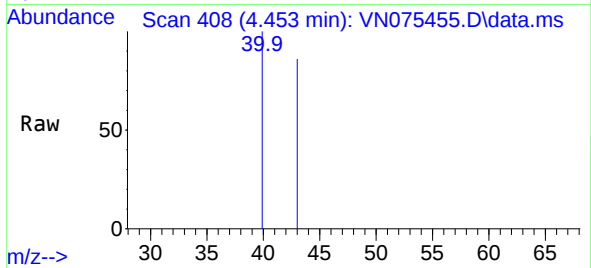




#16
Acetone
Concen: 0.353 ug/l
RT: 4.453 min Scan# 405
Delta R.T. 0.017 min
Lab File: VN075455.D
Acq: 28 Nov 2022 17:47

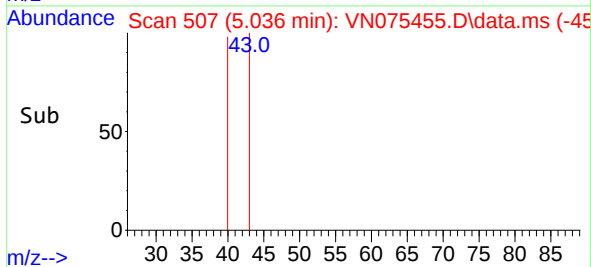
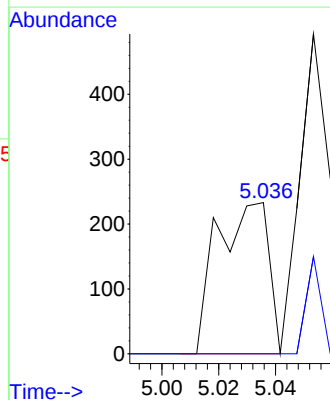
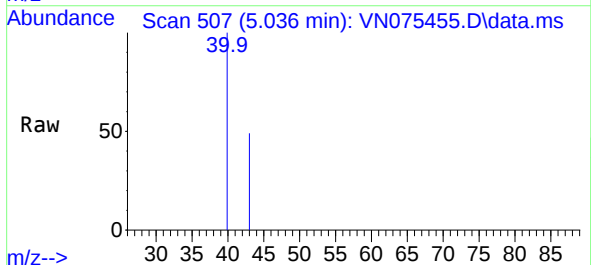
Instrument :
MSVOA_N
ClientSampleId :
DUP03-20221121DL

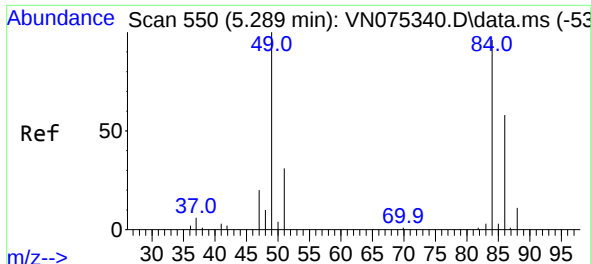
Tgt Ion: 43 Resp: 216
Ion Ratio Lower Upper
43 100
58 0.0 25.5 38.3#



#18
Methyl Acetate
Concen: Below Cal
RT: 5.036 min Scan# 507
Delta R.T. -0.000 min
Lab File: VN075455.D
Acq: 28 Nov 2022 17:47

Tgt Ion: 43 Resp: 292
Ion Ratio Lower Upper
43 100
74 0.0 22.0 33.0#



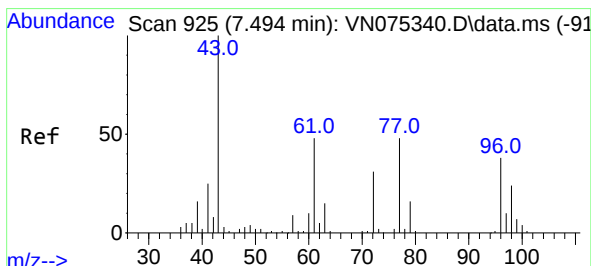
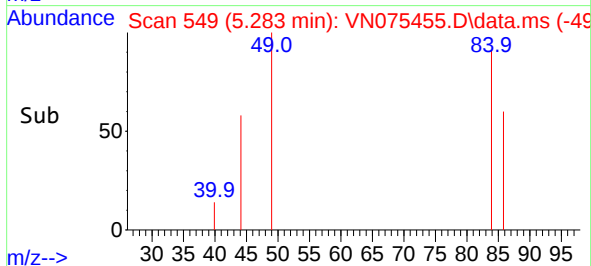
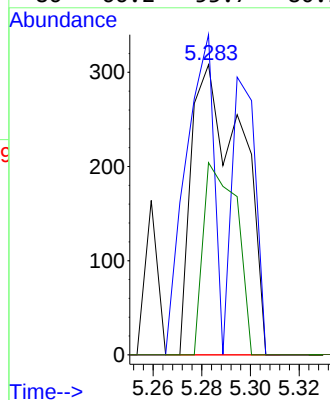
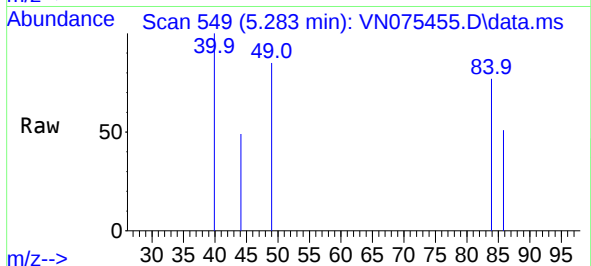


#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 549
Delta R.T. -0.006 min
Lab File: VN075455.D
Acq: 28 Nov 2022 17:47

Instrument :
MSVOA_N
ClientSampleId :
DUP03-20221121DL

Tgt Ion: 84 Resp: 439

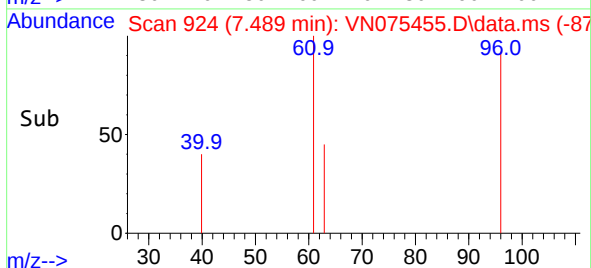
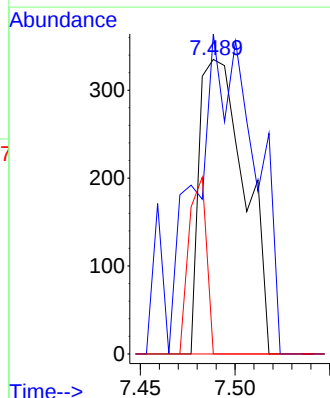
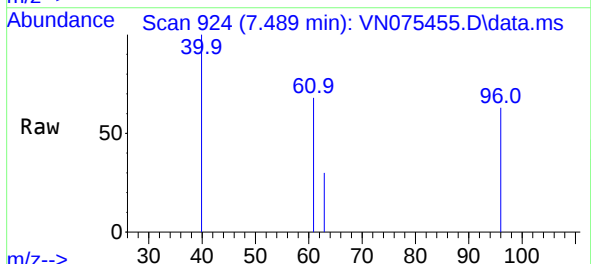
Ion	Ratio	Lower	Upper
84	100		
49	110.4	94.9	142.3
51	0.0	26.8	40.2#
86	66.2	53.7	80.5

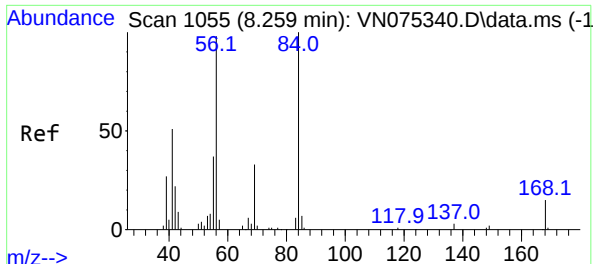


#27
cis-1,2-Dichloroethene
Concen: 0.382 ug/l
RT: 7.489 min Scan# 924
Delta R.T. -0.005 min
Lab File: VN075455.D
Acq: 28 Nov 2022 17:47

Tgt Ion: 96 Resp: 558

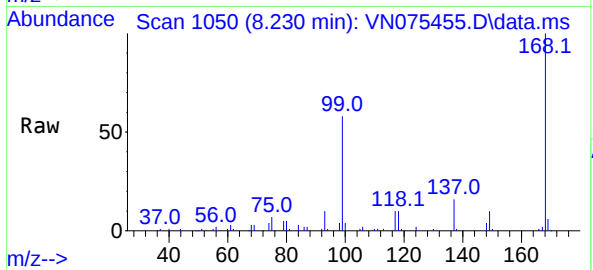
Ion	Ratio	Lower	Upper
96	100		
61	152.2	0.0	278.8
98	23.3	0.0	128.4



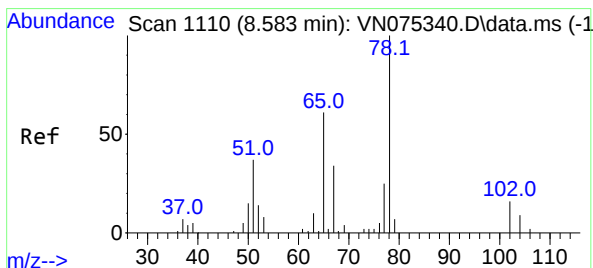
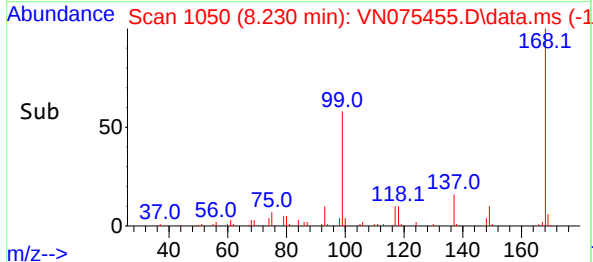
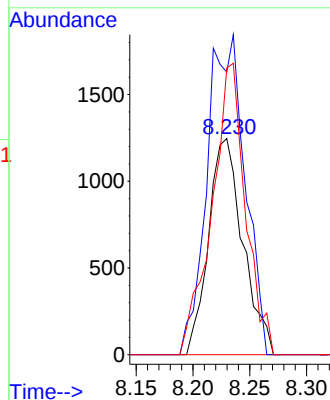


#31
Cyclohexane
Concen: 1.258 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN075455.D
Acq: 28 Nov 2022 17:47

Instrument :
MSVOA_N
ClientSampleId :
DUP03-20221121DL

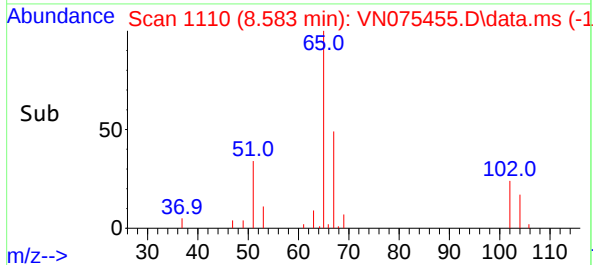
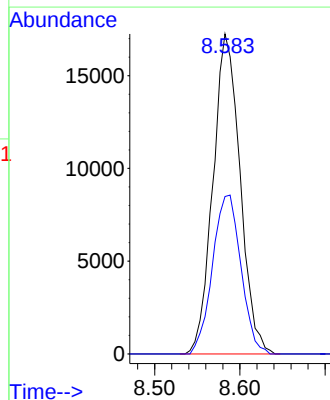
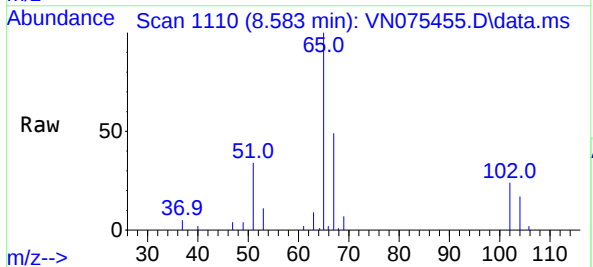


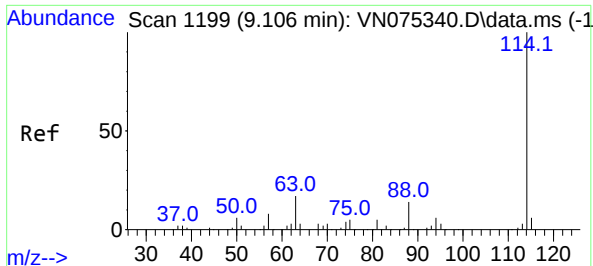
Tgt Ion: 56 Resp: 2625
Ion Ratio Lower Upper
56 100
69 130.7 25.2 37.8#
84 132.7 77.8 116.8#



#33
1,2-Dichloroethane-d4
Concen: 58.028 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN075455.D
Acq: 28 Nov 2022 17:47

Tgt Ion: 65 Resp: 38106
Ion Ratio Lower Upper
65 100
67 52.0 0.0 102.0

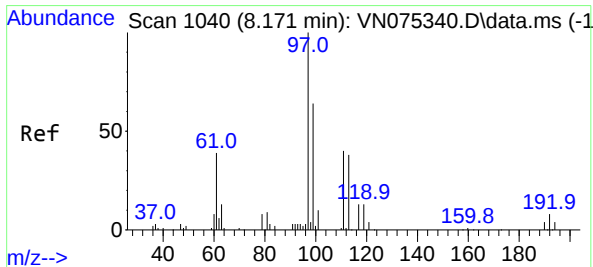
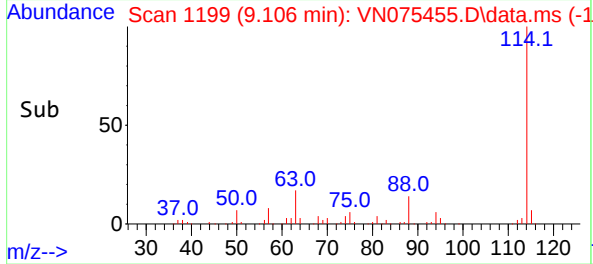
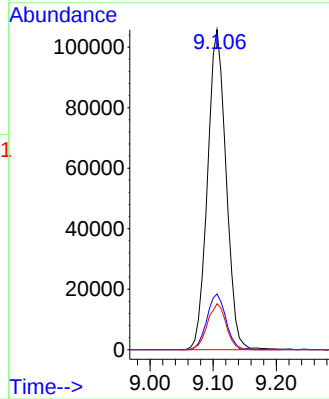
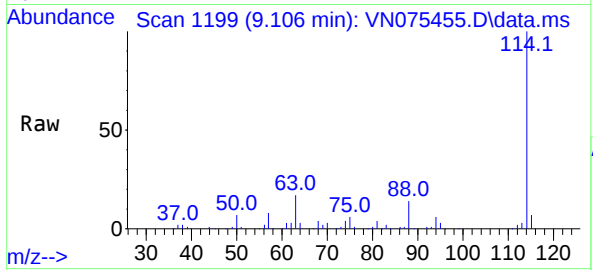




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075455.D
Acq: 28 Nov 2022 17:47

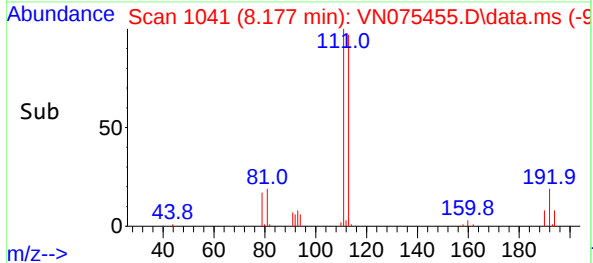
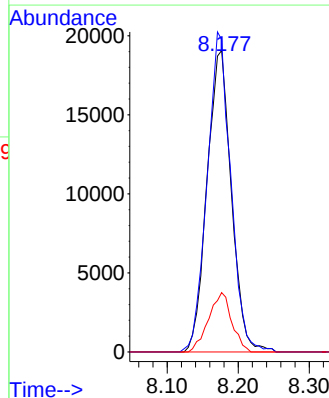
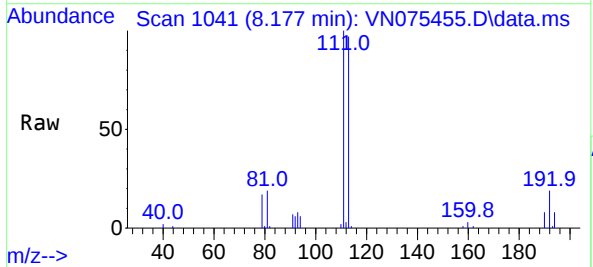
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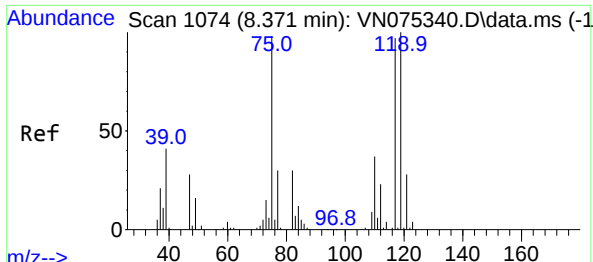
Tgt Ion:114 Resp: 215650
Ion Ratio Lower Upper
114 100
63 17.4 0.0 39.6
88 14.4 0.0 29.0



#35
Dibromofluoromethane
Concen: 53.567 ug/l
RT: 8.177 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VN075455.D
Acq: 28 Nov 2022 17:47

Tgt Ion:113 Resp: 45379
Ion Ratio Lower Upper
113 100
111 103.0 80.5 120.7
192 18.8 13.2 19.8





#36

1,1-Dichloropropene

Concen: 5.136 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.141 min

Lab File: VN075455.D

Acq: 28 Nov 2022 17:47

Instrument :

MSVOA_N

ClientSampleId :

DUP03-20221121DL

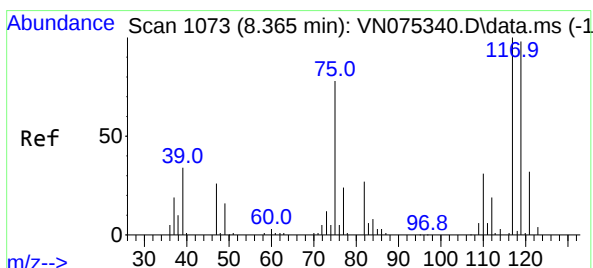
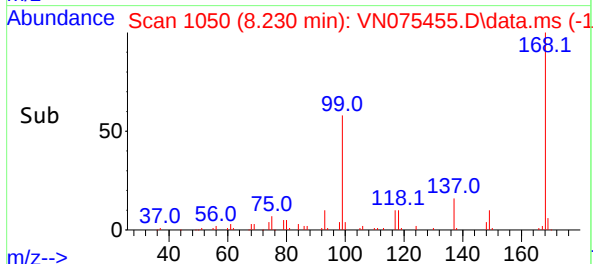
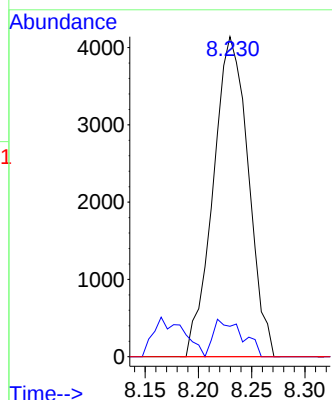
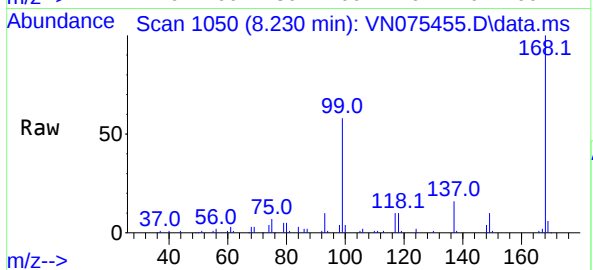
Tgt Ion: 75 Resp: 9489

Ion Ratio Lower Upper

75 100

110 9.6 17.8 53.3#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 0.598 ug/l

RT: 8.377 min Scan# 1075

Delta R.T. 0.012 min

Lab File: VN075455.D

Acq: 28 Nov 2022 17:47

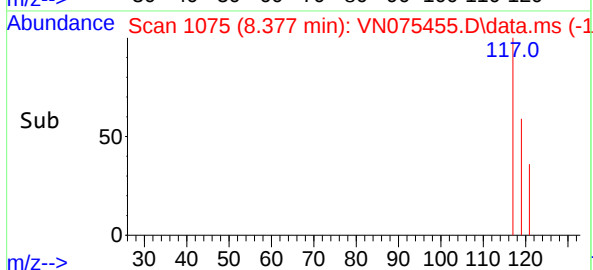
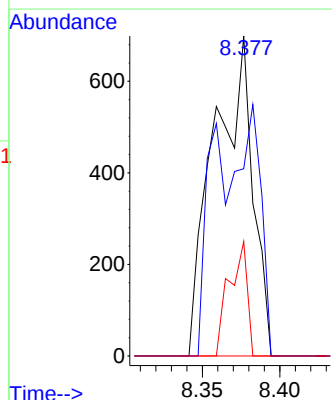
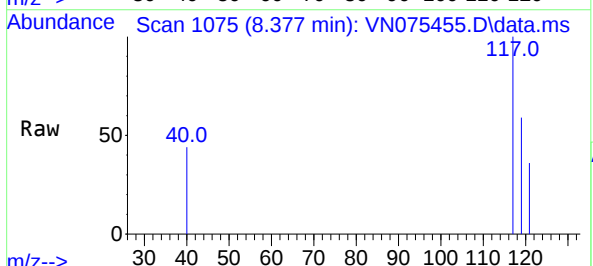
Tgt Ion: 117 Resp: 1214

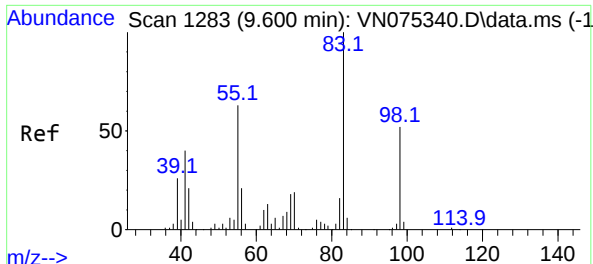
Ion Ratio Lower Upper

117 100

119 58.5 76.7 115.1#

121 35.8 23.9 35.9





#39

Methylcyclohexane

Concen: 0.345 ug/l

RT: 9.353 min Scan# 11

Delta R.T. -0.247 min

Lab File: VN075455.D

Acq: 28 Nov 2022 17:47

Instrument :

MSVOA_N

ClientSampleId :

DUP03-20221121DL

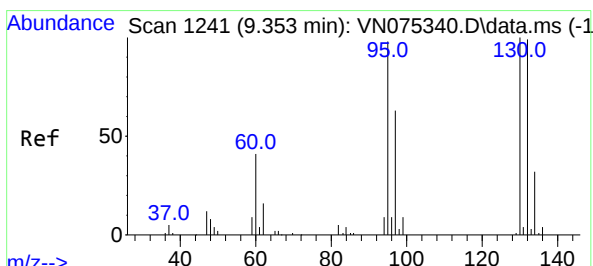
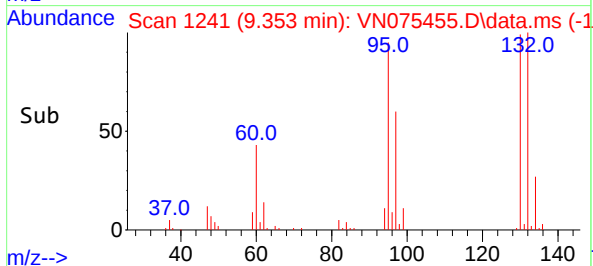
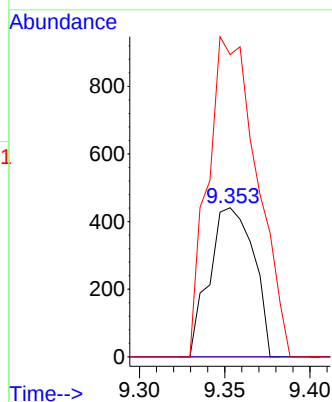
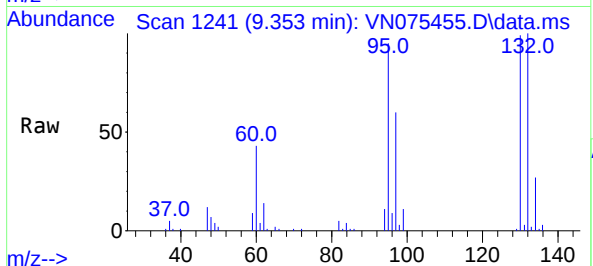
Tgt Ion: 83 Resp: 798

Ion Ratio Lower Upper

83 100

55 0.0 53.6 80.4#

98 202.7 41.1 61.7#



#44

Trichloroethene

Concen: 46.507 ug/l

RT: 9.359 min Scan# 1242

Delta R.T. 0.006 min

Lab File: VN075455.D

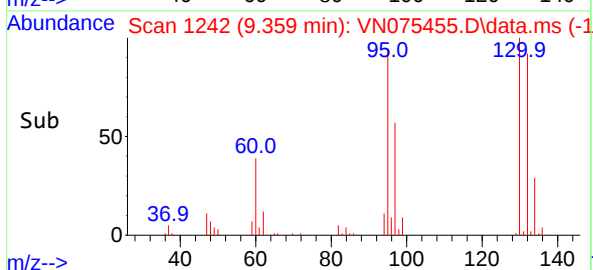
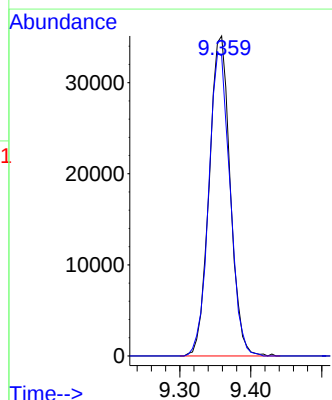
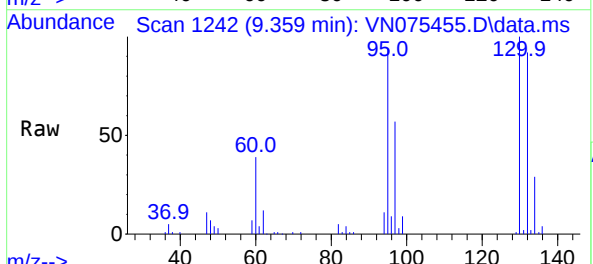
Acq: 28 Nov 2022 17:47

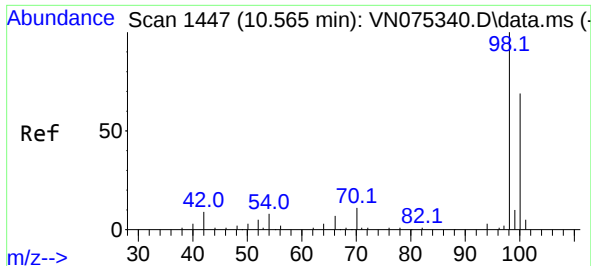
Tgt Ion:130 Resp: 71979

Ion Ratio Lower Upper

130 100

95 93.9 0.0 198.4

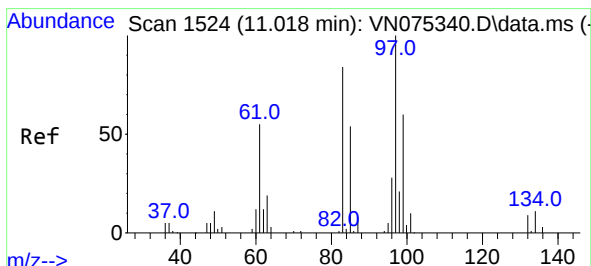
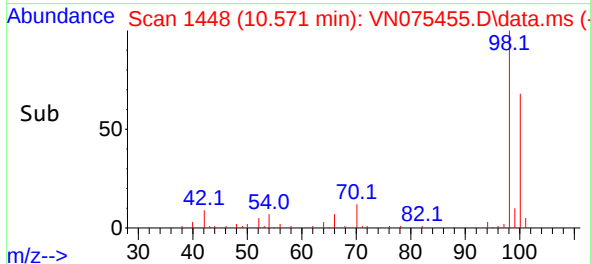
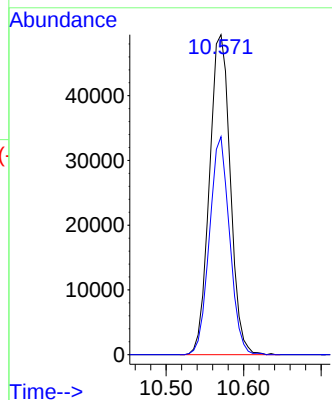
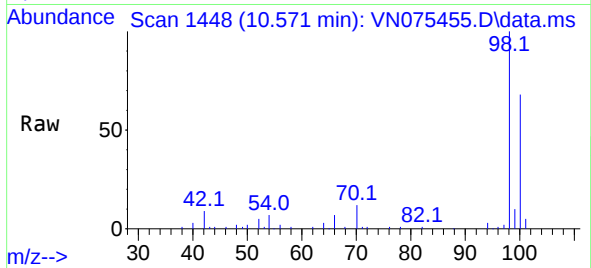




#50
Toluene-d8
Concen: 48.603 ug/l
RT: 10.571 min Scan# 1447
Delta R.T. 0.006 min
Lab File: VN075455.D
Acq: 28 Nov 2022 17:47

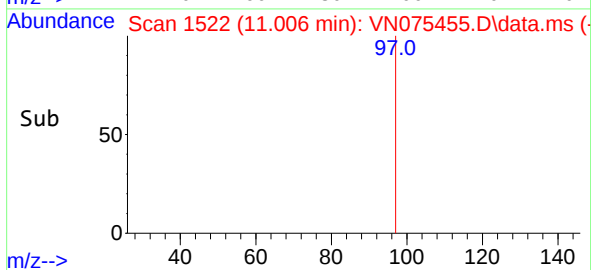
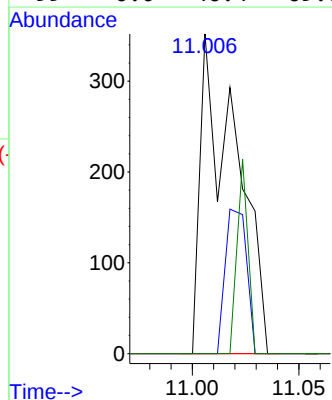
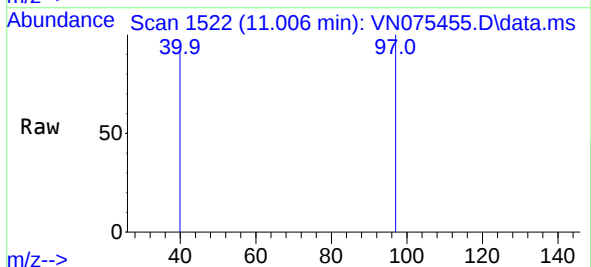
Instrument :
MSVOA_N
ClientSampleId :
DUP03-20221121DL

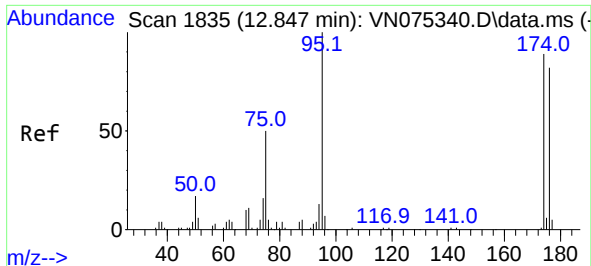
Tgt Ion: 98 Resp: 92735
Ion Ratio Lower Upper
98 100
100 65.7 53.0 79.6



#55
1,1,2-Trichloroethane
Concen: 0.273 ug/l
RT: 11.006 min Scan# 1522
Delta R.T. -0.012 min
Lab File: VN075455.D
Acq: 28 Nov 2022 17:47

Tgt Ion: 97 Resp: 406
Ion Ratio Lower Upper
97 100
83 0.0 65.9 98.9#
85 0.0 40.4 60.6#
99 0.0 46.4 69.6#

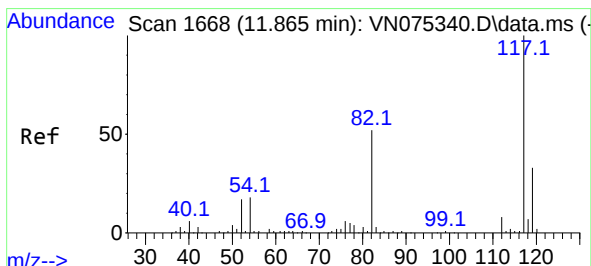
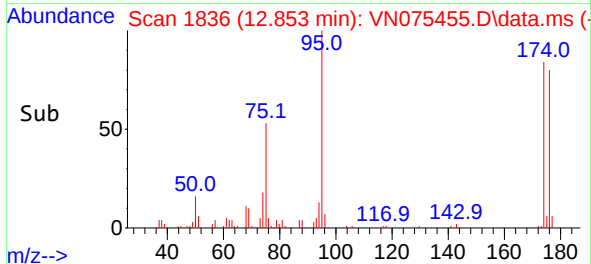
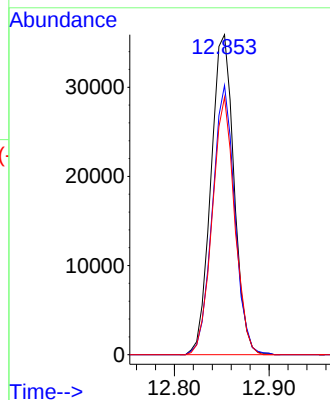
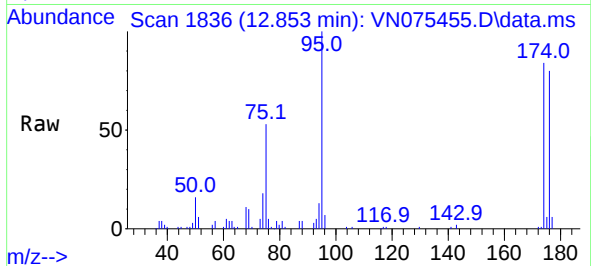




#62
4-Bromofluorobenzene
Concen: 43.125 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075455.D
Acq: 28 Nov 2022 17:47

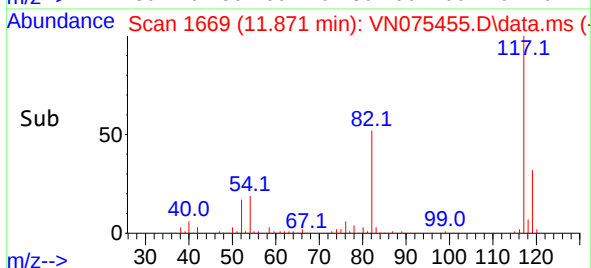
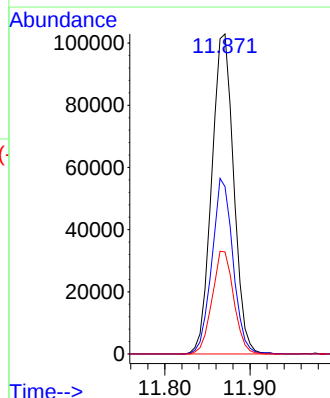
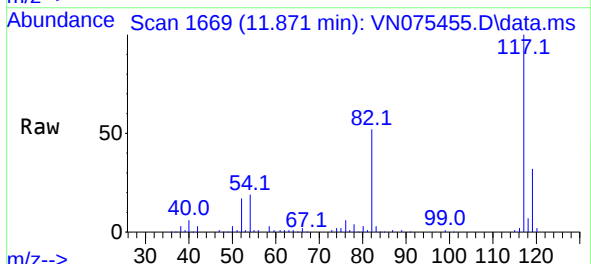
Instrument :
MSVOA_N
ClientSampleId :
DUP03-20221121DL

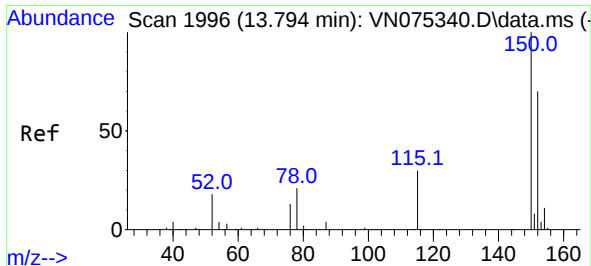
Tgt Ion: 95 Resp: 60733
Ion Ratio Lower Upper
95 100
174 81.2 0.0 147.4
176 77.9 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075455.D
Acq: 28 Nov 2022 17:47

Tgt Ion: 117 Resp: 184259
Ion Ratio Lower Upper
117 100
82 52.3 43.1 64.7
119 31.9 25.5 38.3

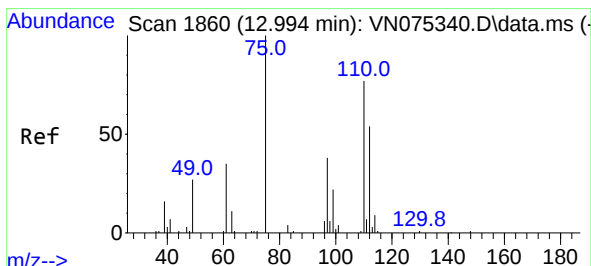
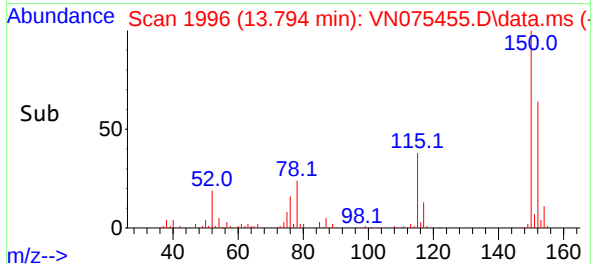
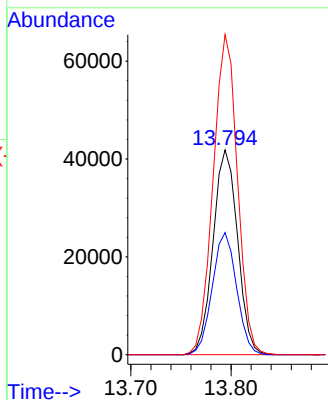
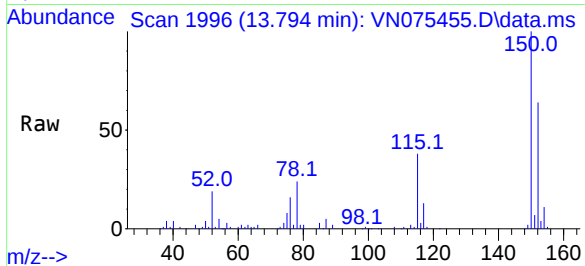




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075455.D
Acq: 28 Nov 2022 17:47

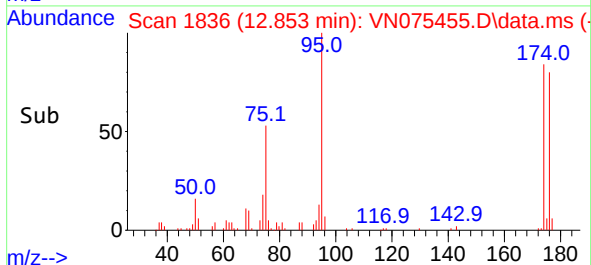
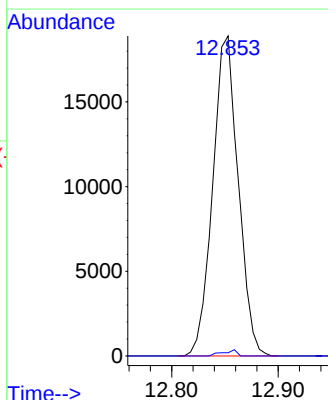
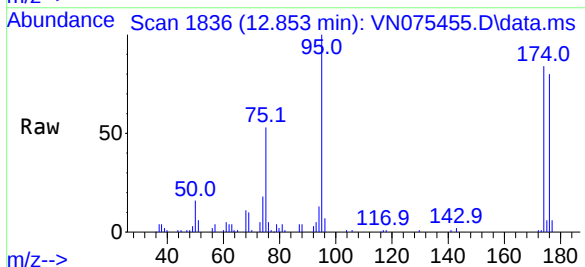
Instrument :
MSVOA_N
ClientSampleId :
DUP03-20221121DL

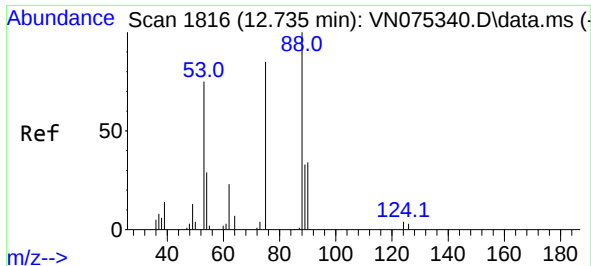
Tgt Ion:152 Resp: 71065
Ion Ratio Lower Upper
152 100
115 59.2 30.2 90.6
150 154.9 0.0 348.4



#76
1,2,3-Trichloropropane
Concen: 23.365 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075455.D
Acq: 28 Nov 2022 17:47

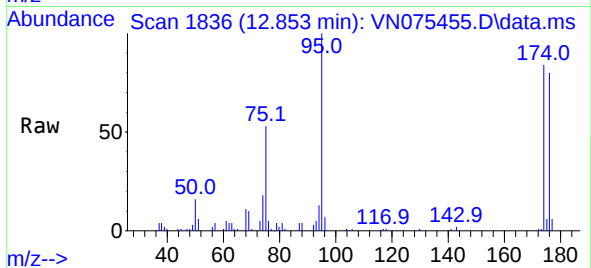
Tgt Ion: 75 Resp: 31395
Ion Ratio Lower Upper
75 100
77 1.0 75.6 226.8#





#81
trans-1,4-Dichloro-2-butene
Concen: 69.133 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN075455.D
Acq: 28 Nov 2022 17:47

Instrument :
MSVOA_N
ClientSampleId :
DUP03-20221121DL



Tgt Ion: 75 Resp: 31395
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

