

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100722\
 Data File : VN074821.D
 Acq On : 07 Oct 2022 19:09
 Operator : JC\MD
 Sample : N4963-01RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 257155-4

Quant Time: Oct 08 03:56:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 05:37:50 2022
 Response via : Initial Calibration

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

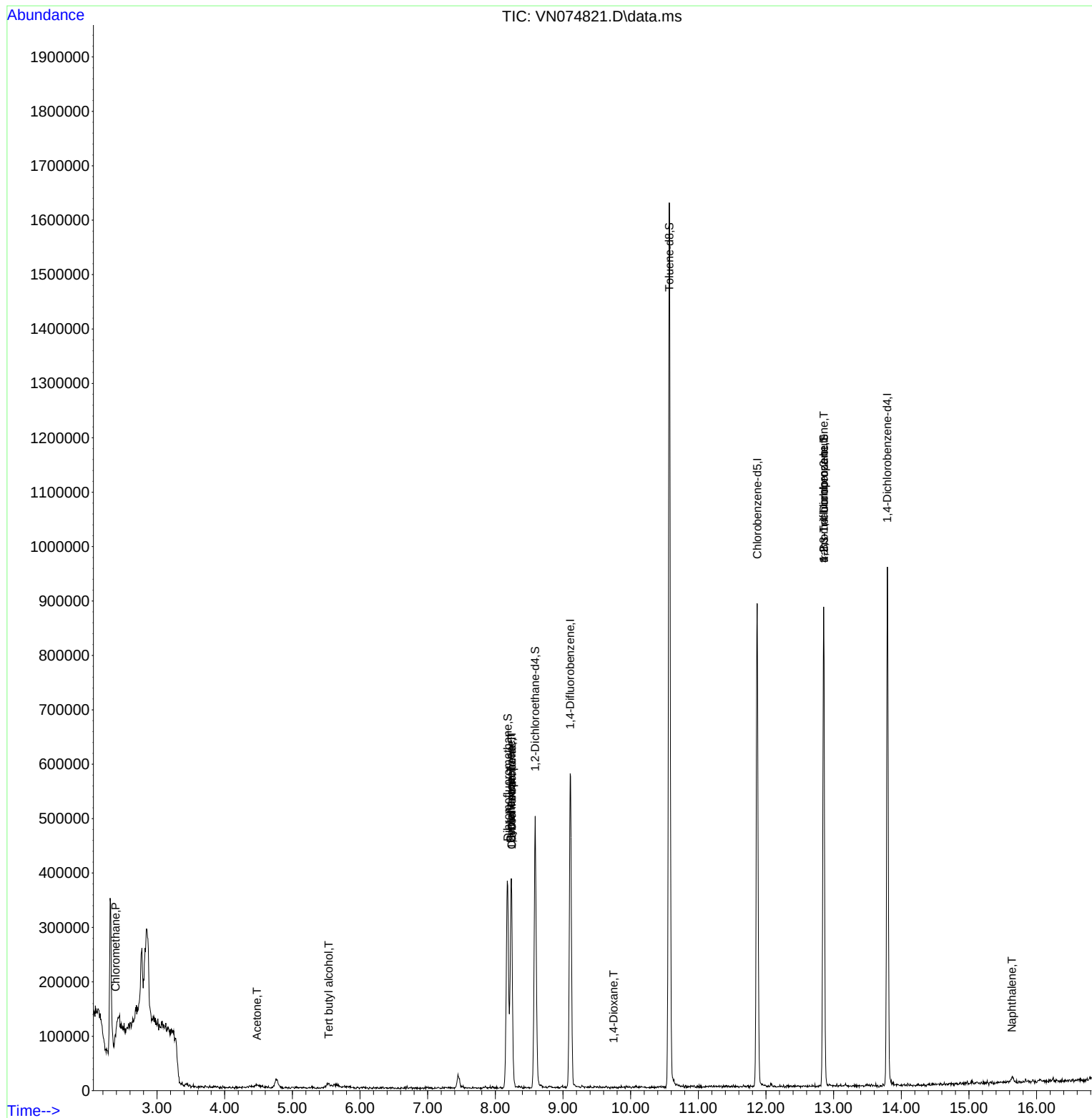
Internal Standards						
1) Pentafluorobenzene	8.230	168	262912	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	500874	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	502449	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	233837	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	340811	54.709	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.420%	
35) Dibromofluoromethane	8.182	113	266532	52.668	ug/l	0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.340%	
50) Toluene-d8	10.571	98	1072413	49.387	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.780%	
62) 4-Bromofluorobenzene	12.853	95	275612	41.754	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 83.500%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.389	50	2441	0.304	ug/l	95
11) Tert butyl alcohol	5.536	59	6433	3.083	ug/l #	74
13) Acrolein	4.153	56	63	Below Cal	#	1
16) Acetone	4.477	43	8308	2.353	ug/l	98
20) Methylene Chloride	5.300	84	958	Below Cal	#	8
31) Cyclohexane	8.230	56	9058	0.841	ug/l #	50
36) 1,1-Dichloropropene	8.241	75	25033	3.056	ug/l #	47
38) Carbon Tetrachloride	8.241	117	28505	3.690	ug/l #	16
49) 1,4-Dioxane	9.747	88	86	0.476	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	13.029	83	136	Below Cal	#	97
76) 1,2,3-Trichloropropane	12.853	75	163582	23.438	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	163582	45.665	ug/l #	15
95) Naphthalene	15.635	128	7981	0.491	ug/l #	79
96) 1,2,3-Trichlorobenzene	16.105	180	100	Below Cal	#	12

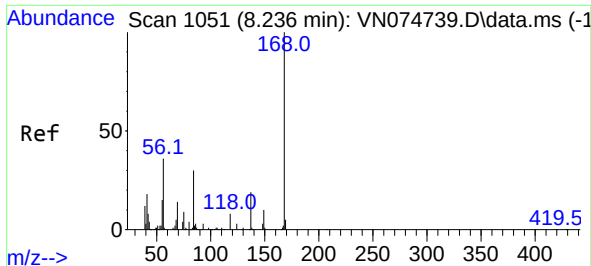
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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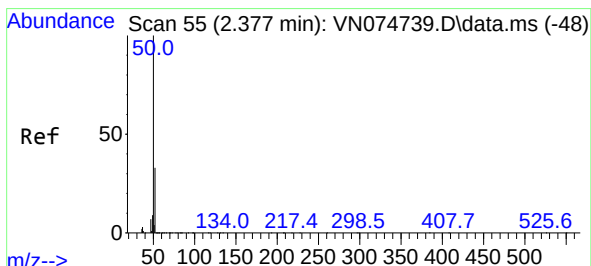
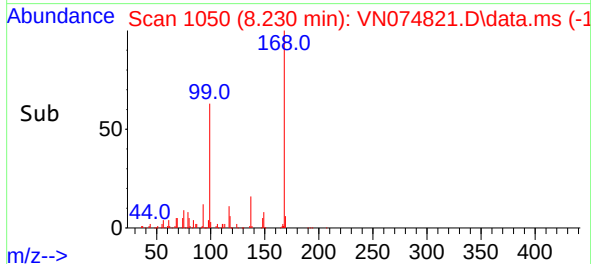
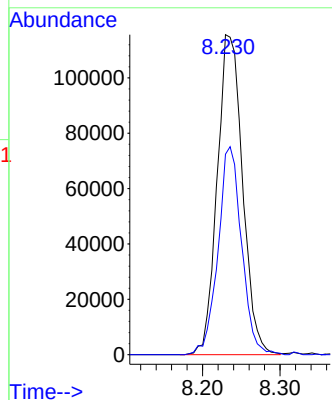
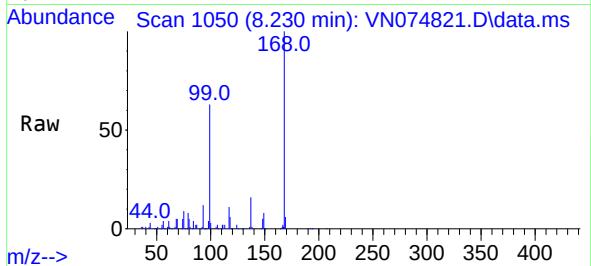




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN074821.D
Acq: 07 Oct 2022 19:09

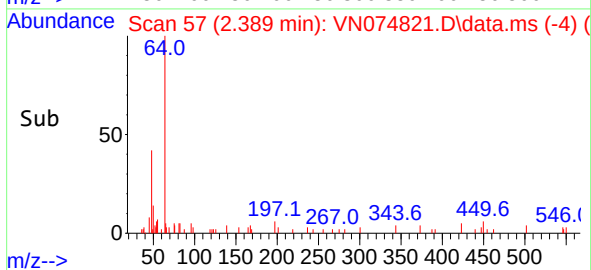
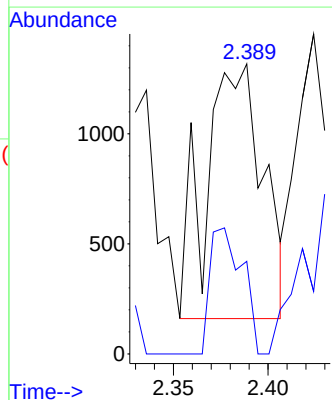
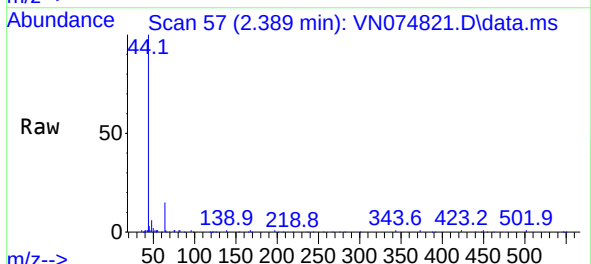
Instrument :
MSVOA_N
ClientSampleId :
257155-4

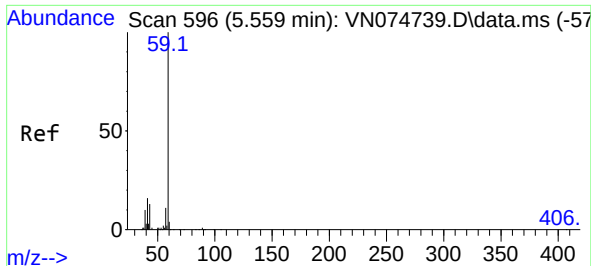
Tgt Ion:168 Resp: 262912
Ion Ratio Lower Upper
168 100
99 62.7 42.8 64.2



#3
Chloromethane
Concen: 0.304 ug/l
RT: 2.389 min Scan# 57
Delta R.T. 0.012 min
Lab File: VN074821.D
Acq: 07 Oct 2022 19:09

Tgt Ion: 50 Resp: 2441
Ion Ratio Lower Upper
50 100
52 36.4 26.7 40.1

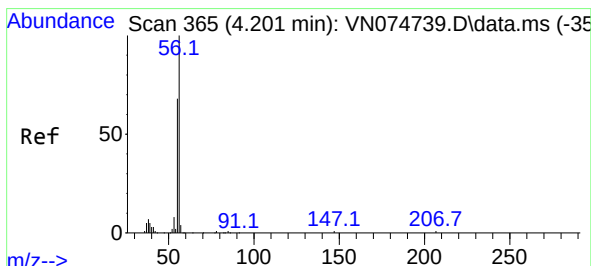
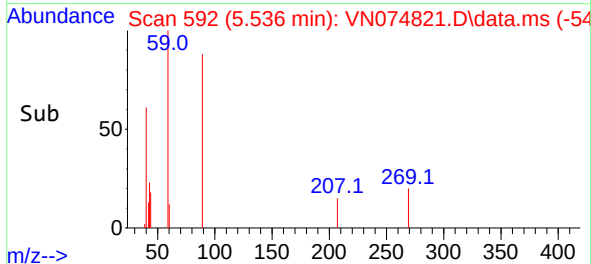
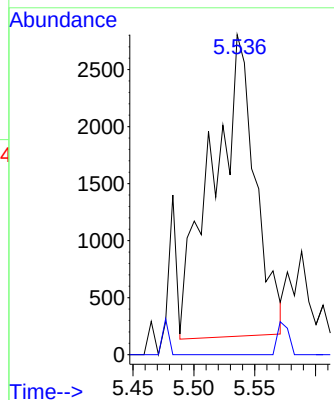
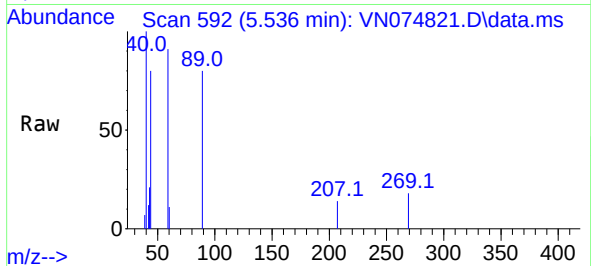




#11
Tert butyl alcohol
Concen: 3.083 ug/l
RT: 5.536 min Scan# 591
Delta R.T. -0.024 min
Lab File: VN074821.D
Acq: 07 Oct 2022 19:09

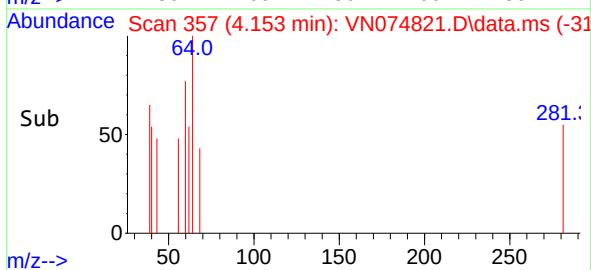
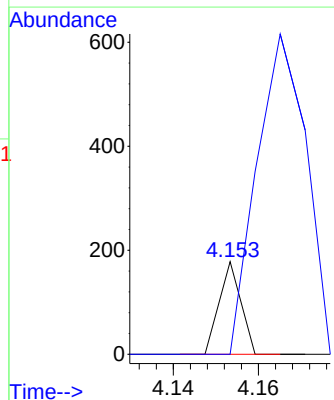
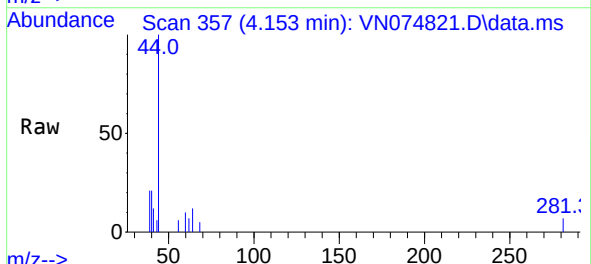
Instrument :
MSVOA_N
ClientSampleId :
257155-4

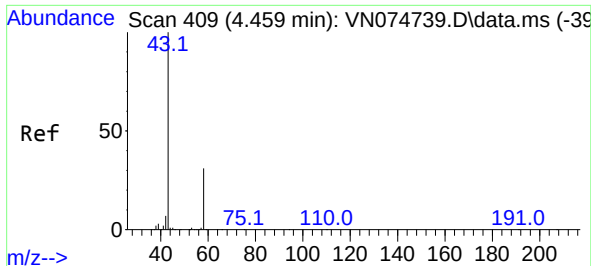
Tgt Ion: 59 Resp: 6433
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#



#13
Acrolein
Concen: Below Cal
RT: 4.153 min Scan# 357
Delta R.T. -0.048 min
Lab File: VN074821.D
Acq: 07 Oct 2022 19:09

Tgt Ion: 56 Resp: 63
Ion Ratio Lower Upper
56 100
55 782.5 54.9 82.3#

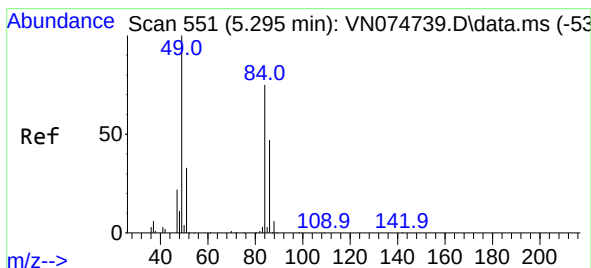
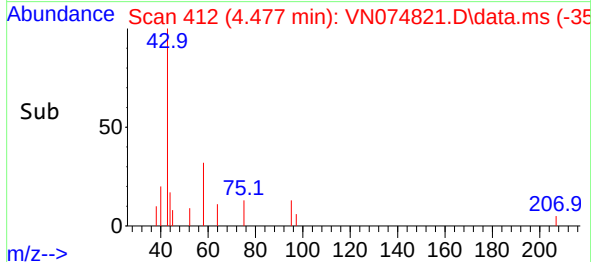
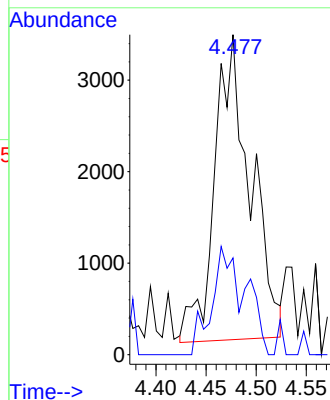
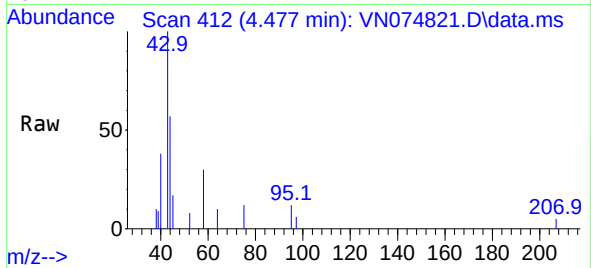




#16
Acetone
Concen: 2.353 ug/l
RT: 4.477 min Scan# 412
Delta R.T. 0.017 min
Lab File: VN074821.D
Acq: 07 Oct 2022 19:09

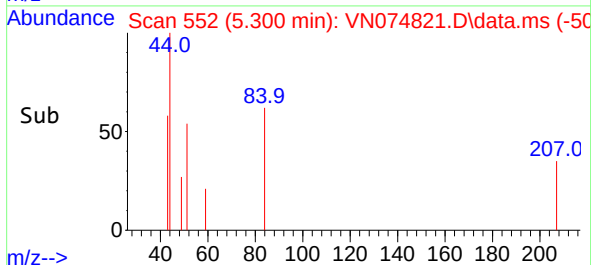
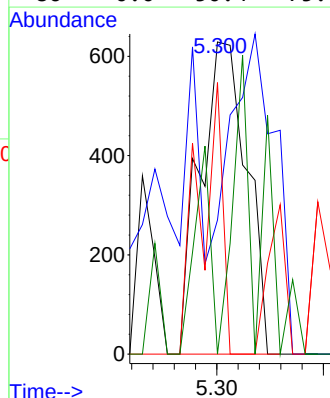
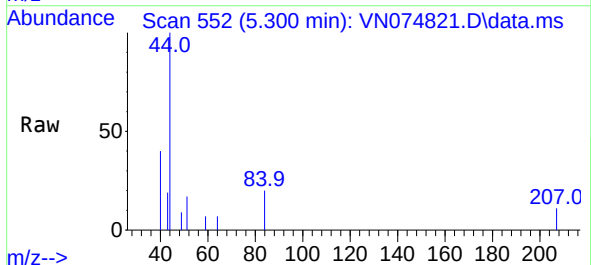
Instrument :
MSVOA_N
ClientSampleId :
257155-4

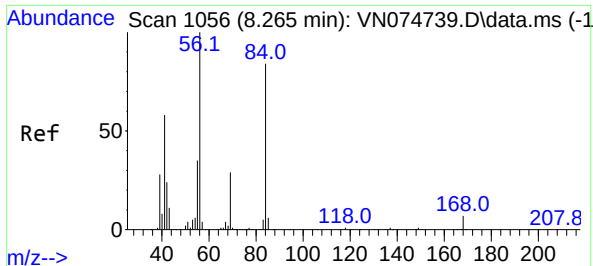
Tgt Ion: 43 Resp: 8308
Ion Ratio Lower Upper
43 100
58 32.1 24.9 37.3



#20
Methylene Chloride
Concen: Below Cal
RT: 5.300 min Scan# 552
Delta R.T. 0.005 min
Lab File: VN074821.D
Acq: 07 Oct 2022 19:09

Tgt Ion: 84 Resp: 958
Ion Ratio Lower Upper
84 100
49 8.1 107.4 161.0#
51 87.0 35.1 52.7#
86 0.0 50.4 75.6#

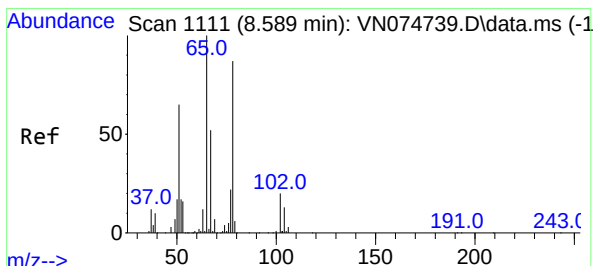
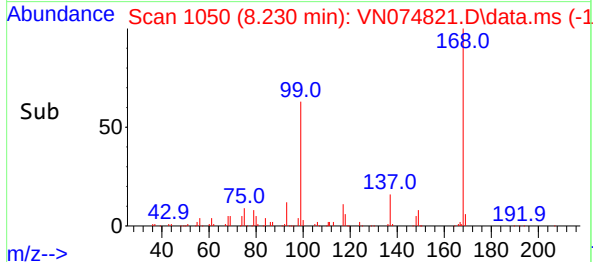
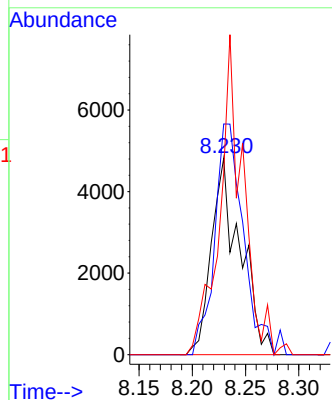
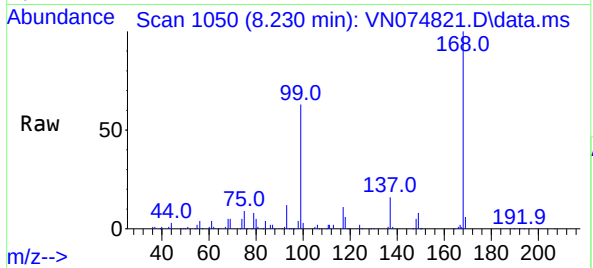




#31
Cyclohexane
Concen: 0.841 ug/l
RT: 8.230 min Scan# 1056
Delta R.T. -0.036 min
Lab File: VN074821.D
Acq: 07 Oct 2022 19:09

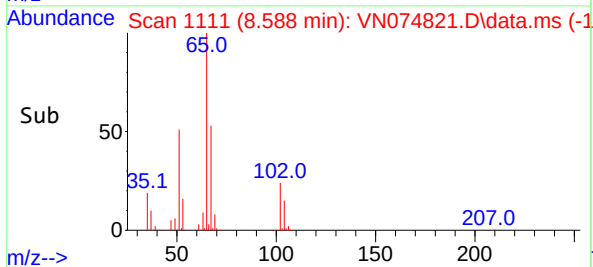
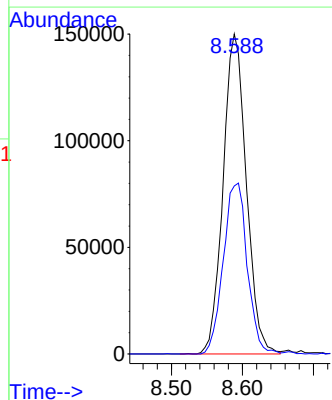
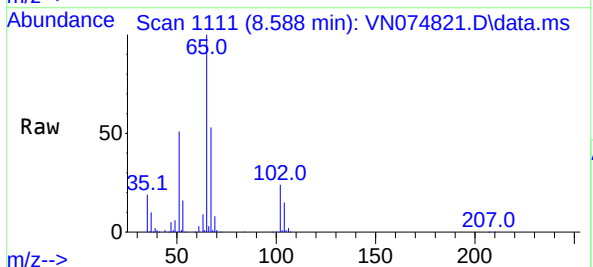
Instrument :
MSVOA_N
ClientSampleId :
257155-4

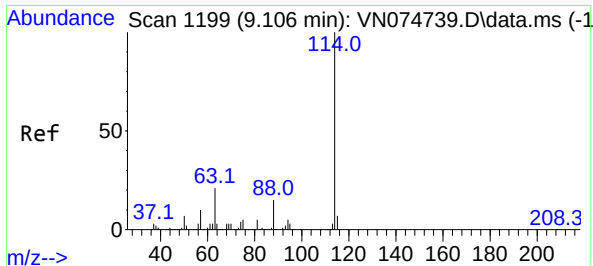
Tgt Ion: 56 Resp: 9058
Ion Ratio Lower Upper
56 100
69 117.5 23.1 34.7#
84 92.7 67.1 100.7



#33
1,2-Dichloroethane-d4
Concen: 54.709 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. -0.000 min
Lab File: VN074821.D
Acq: 07 Oct 2022 19:09

Tgt Ion: 65 Resp: 340811
Ion Ratio Lower Upper
65 100
67 55.0 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN074821.D

Acq: 07 Oct 2022 19:09

Instrument :

MSVOA_N

ClientSampleId :

257155-4

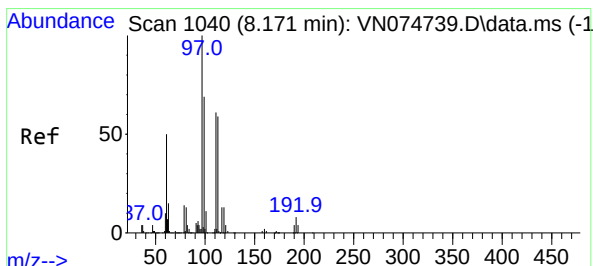
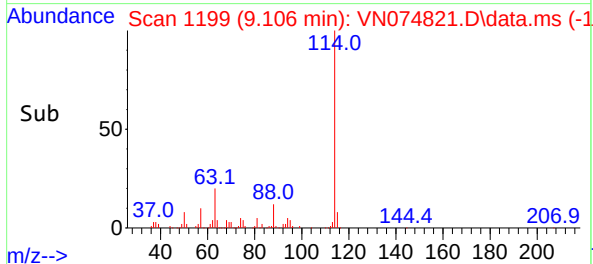
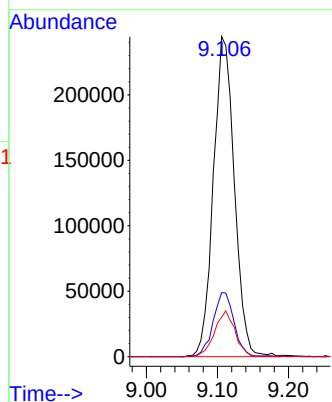
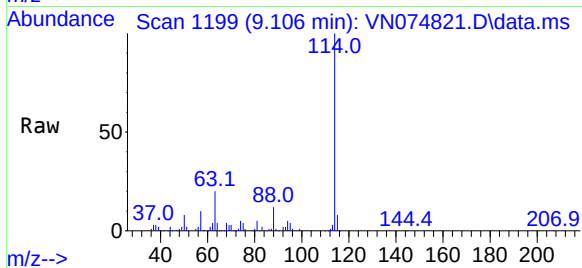
Tgt Ion:114 Resp: 500874

Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.2

88 12.4 0.0 30.2



#35

Dibromofluoromethane

Concen: 52.668 ug/l

RT: 8.182 min Scan# 1042

Delta R.T. 0.012 min

Lab File: VN074821.D

Acq: 07 Oct 2022 19:09

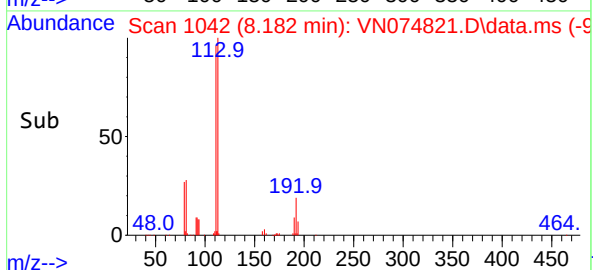
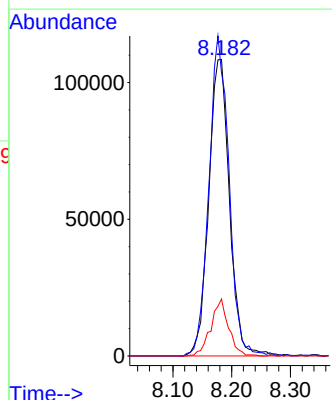
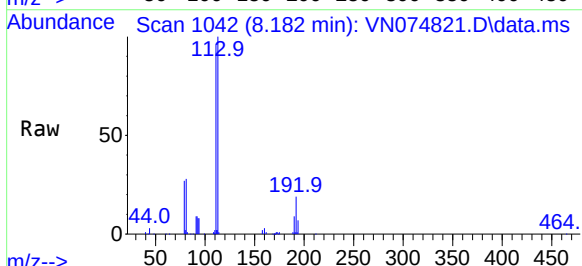
Tgt Ion:113 Resp: 266532

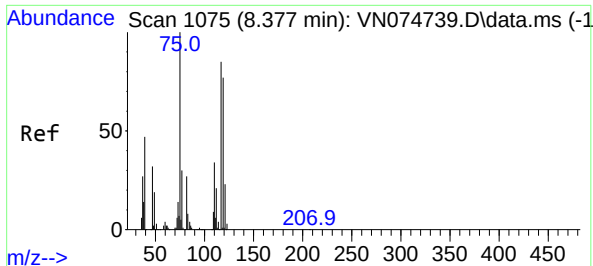
Ion Ratio Lower Upper

113 100

111 104.2 83.0 124.6

192 16.4 12.6 18.8





#36

1,1-Dichloropropene

Concen: 3.056 ug/l

RT: 8.241 min Scan# 1052

Delta R.T. -0.136 min

Lab File: VN074821.D

Acq: 07 Oct 2022 19:09

Instrument :

MSVOA_N

ClientSampleId :

257155-4

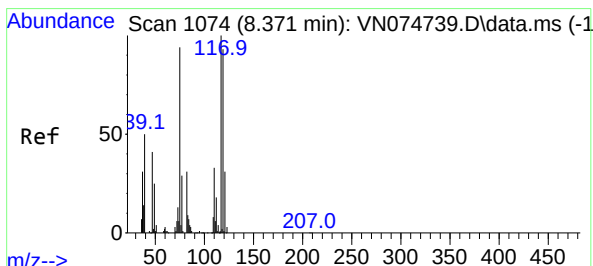
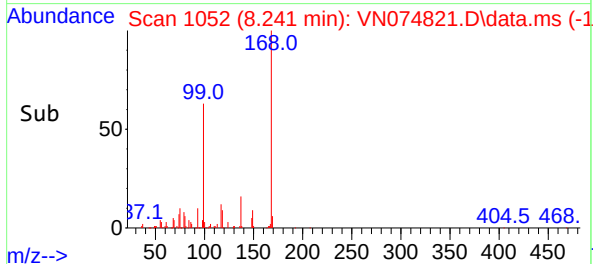
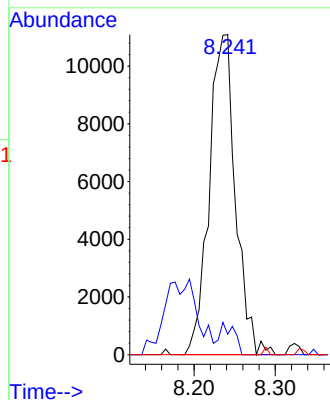
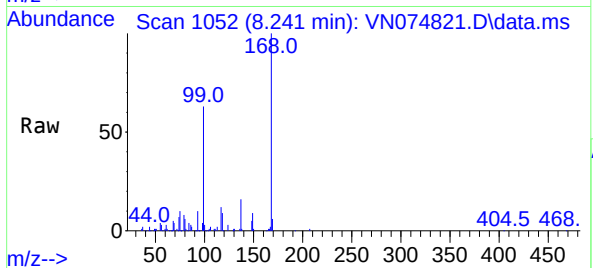
Tgt Ion: 75 Resp: 25033

Ion Ratio Lower Upper

75 100

110 5.6 17.2 51.5#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 3.690 ug/l

RT: 8.241 min Scan# 1052

Delta R.T. -0.130 min

Lab File: VN074821.D

Acq: 07 Oct 2022 19:09

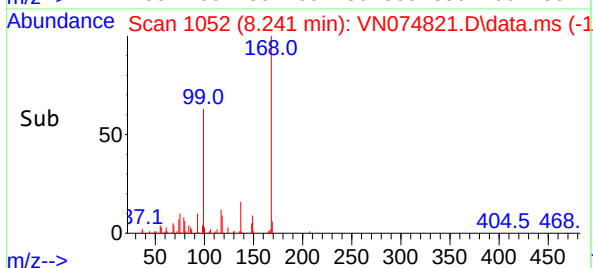
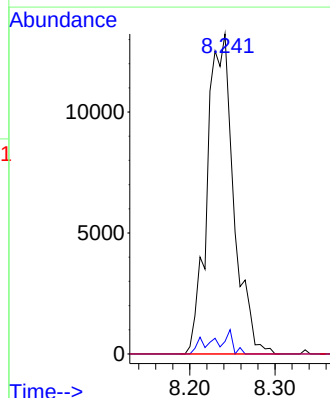
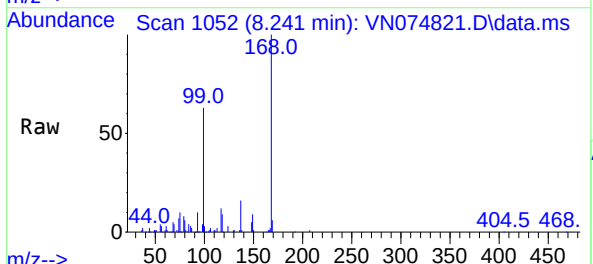
Tgt Ion: 117 Resp: 28505

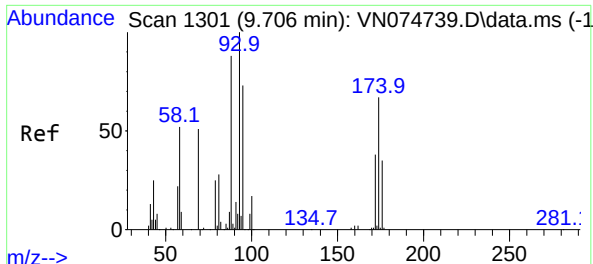
Ion Ratio Lower Upper

117 100

119 3.9 74.3 111.5#

121 0.0 25.0 37.4#

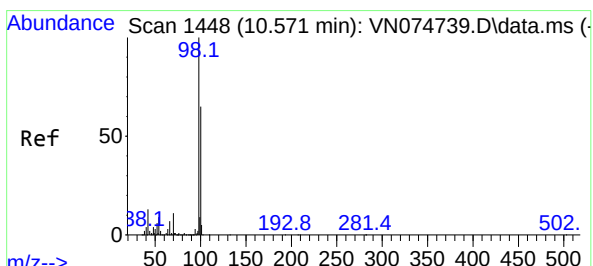
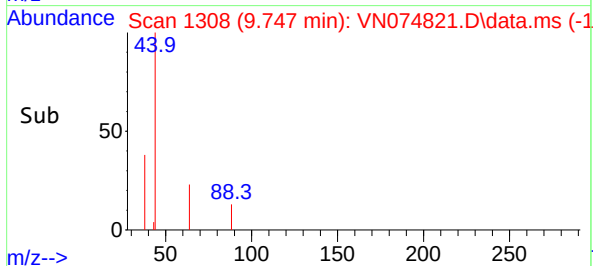
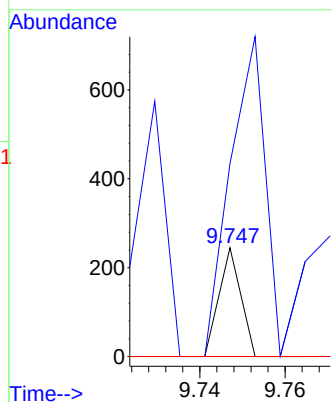
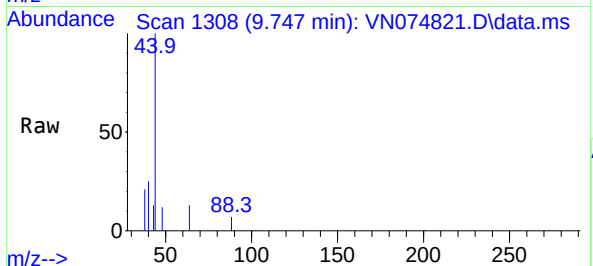




#49
1,4-Dioxane
Concen: 0.476 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN074821.D
Acq: 07 Oct 2022 19:09

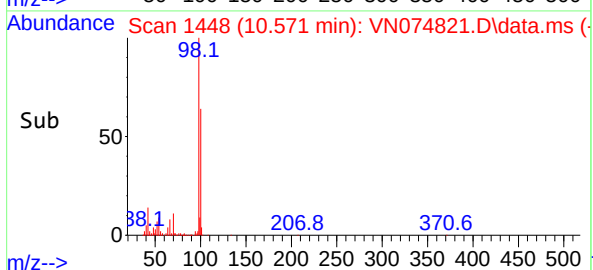
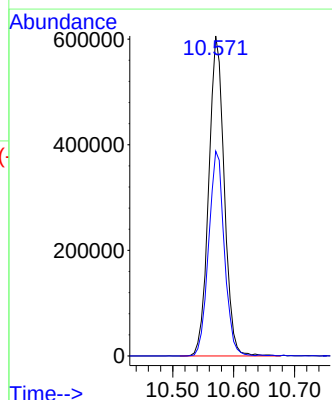
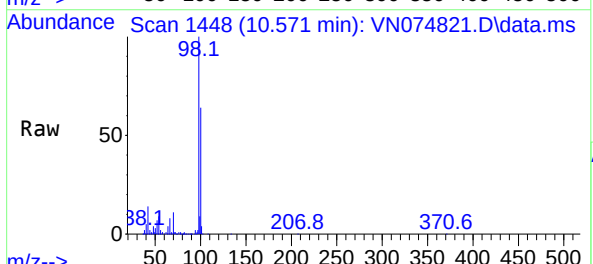
Instrument :
MSVOA_N
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257155-4

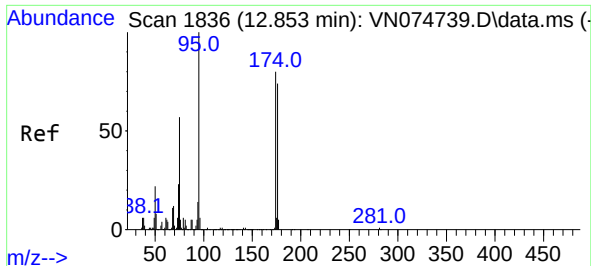
Tgt Ion: 88 Resp: 86
Ion Ratio Lower Upper
88 100
43 561.6 23.4 35.2#
58 0.0 54.9 82.3#



#50
Toluene-d8
Concen: 49.387 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074821.D
Acq: 07 Oct 2022 19:09

Tgt Ion: 98 Resp: 1072413
Ion Ratio Lower Upper
98 100
100 64.6 50.7 76.1

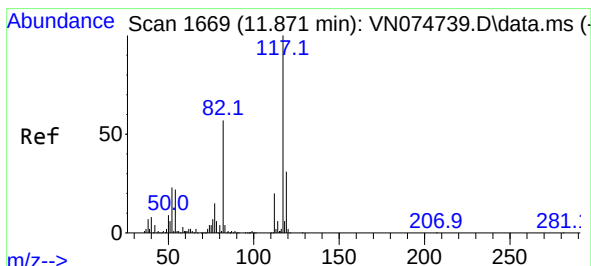
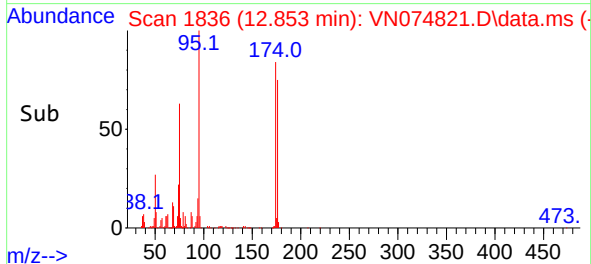
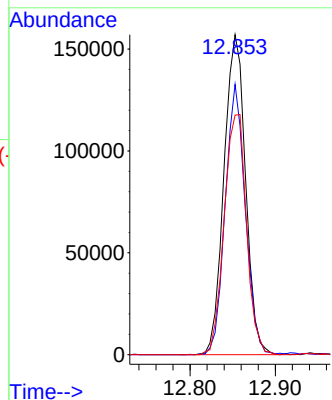
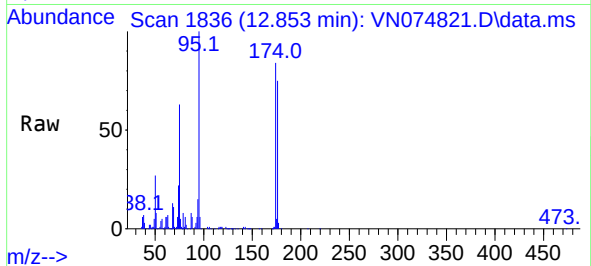




#62
4-Bromofluorobenzene
Concen: 41.754 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN074821.D
Acq: 07 Oct 2022 19:09

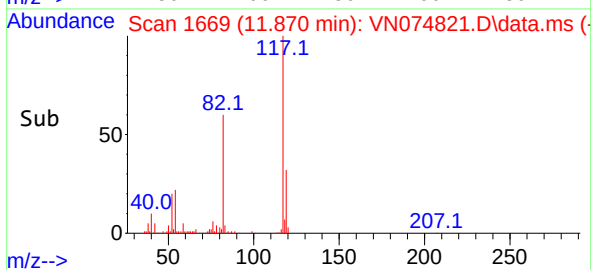
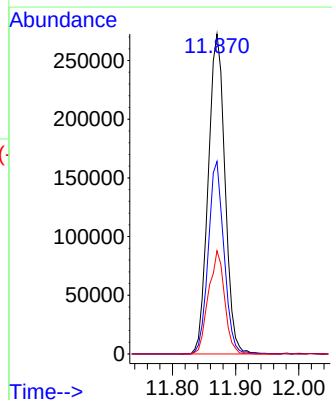
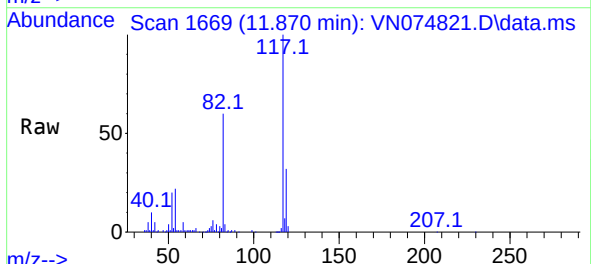
Instrument :
MSVOA_N
ClientSampleId :
257155-4

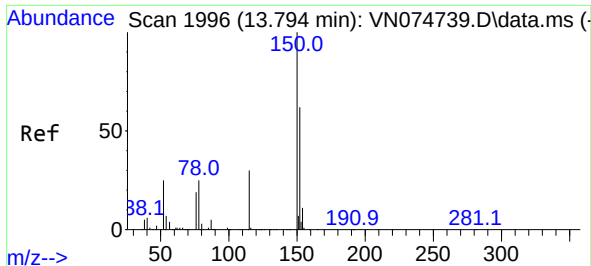
Tgt Ion: 95 Resp: 275612
Ion Ratio Lower Upper
95 100
174 79.0 0.0 149.4
176 77.6 0.0 142.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VN074821.D
Acq: 07 Oct 2022 19:09

Tgt Ion: 117 Resp: 502449
Ion Ratio Lower Upper
117 100
82 60.1 45.4 68.2
119 32.3 25.1 37.7

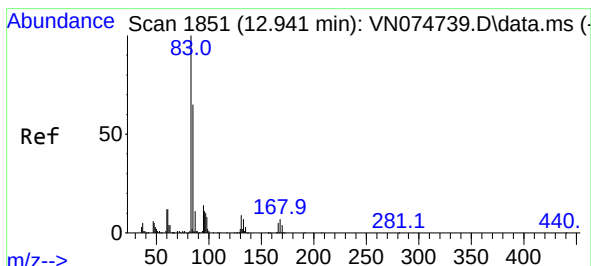
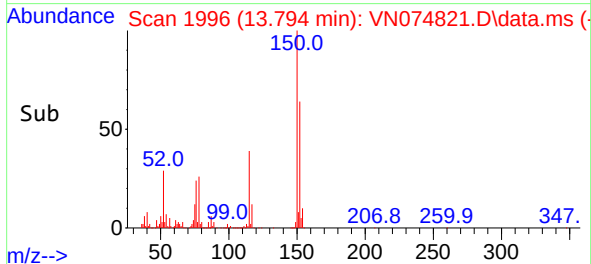
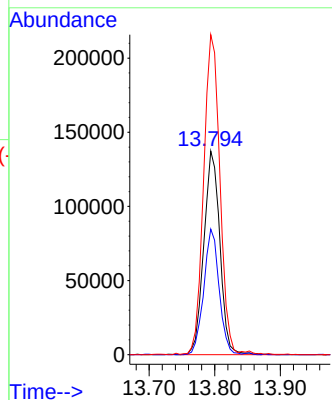
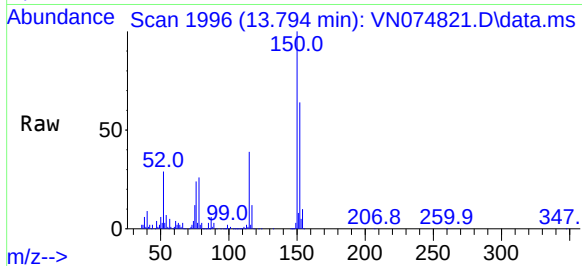




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: VN074821.D
 Acq: 07 Oct 2022 19:09

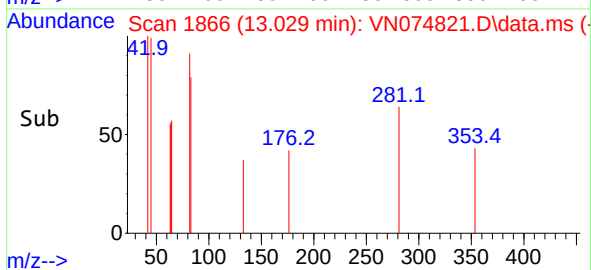
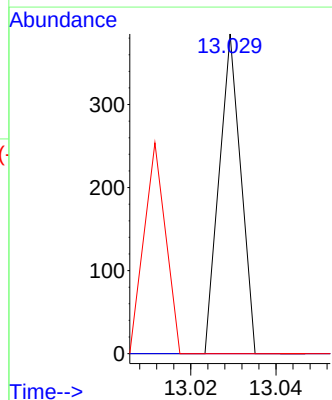
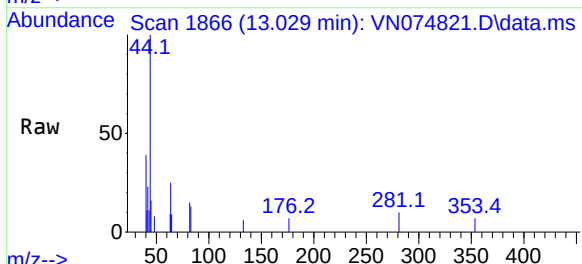
Instrument :
 MSVOA_N
 ClientSampleId :
 257155-4

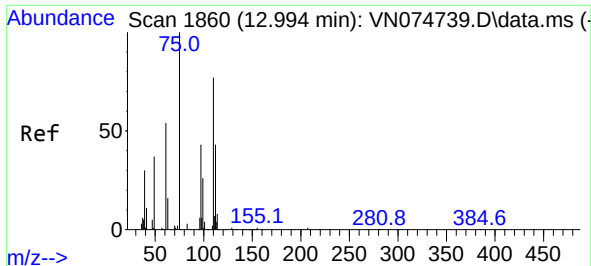
Tgt Ion:152 Resp: 233837
 Ion Ratio Lower Upper
 152 100
 115 59.1 30.0 90.0
 150 158.9 0.0 356.4



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 13.029 min Scan# 1866
 Delta R.T. 0.088 min
 Lab File: VN074821.D
 Acq: 07 Oct 2022 19:09

Tgt Ion: 83 Resp: 136
 Ion Ratio Lower Upper
 83 100
 131 0.0 4.3 12.8#
 85 66.2 32.9 98.6

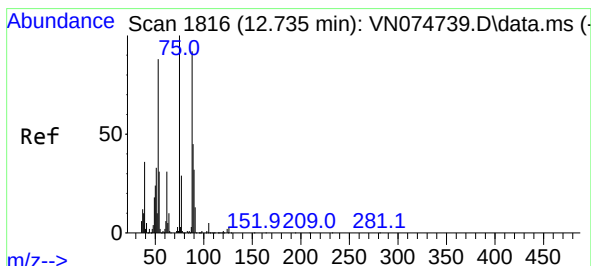
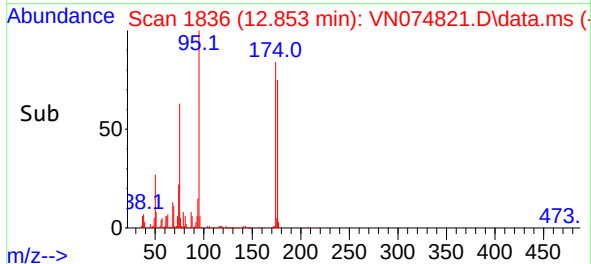
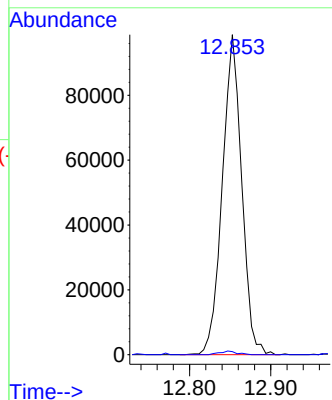
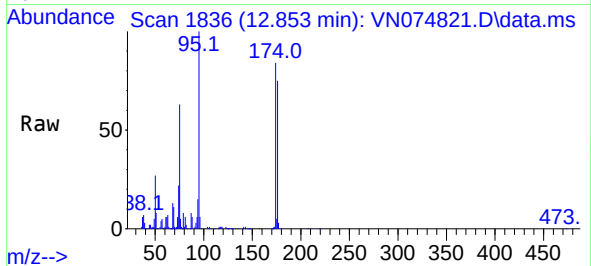




#76
1,2,3-Trichloropropane
Concen: 23.438 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN074821.D
Acq: 07 Oct 2022 19:09

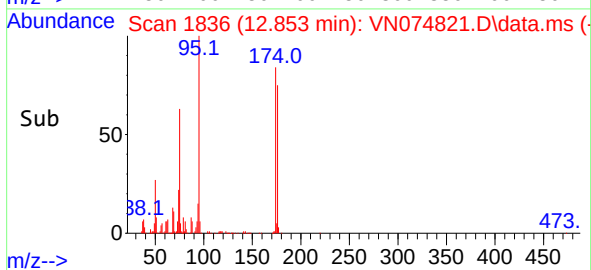
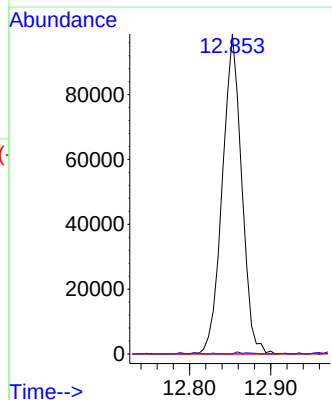
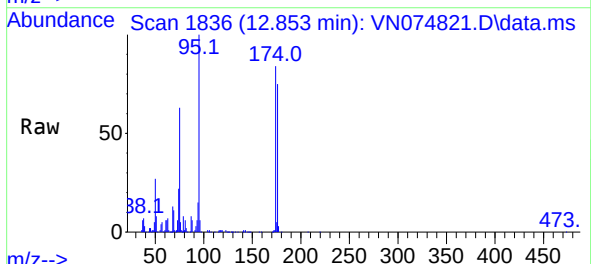
Instrument :
MSVOA_N
ClientSampleId :
257155-4

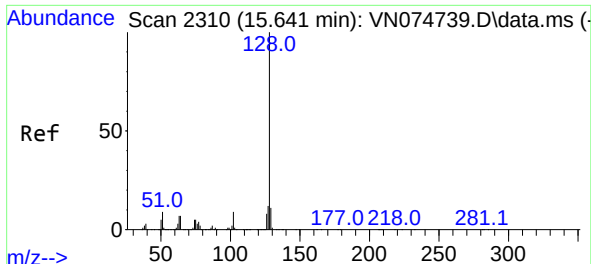
Tgt Ion: 75 Resp: 163582
Ion Ratio Lower Upper
75 100
77 1.0 76.9 230.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 45.665 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.117 min
Lab File: VN074821.D
Acq: 07 Oct 2022 19:09

Tgt Ion: 75 Resp: 163582
Ion Ratio Lower Upper
75 100
53 0.4 71.4 107.0#
89 0.0 32.1 48.1#

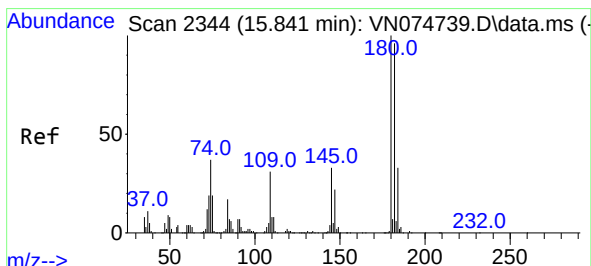
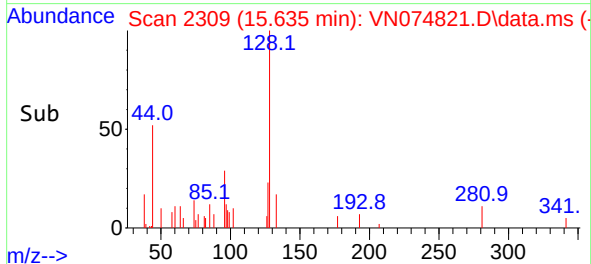
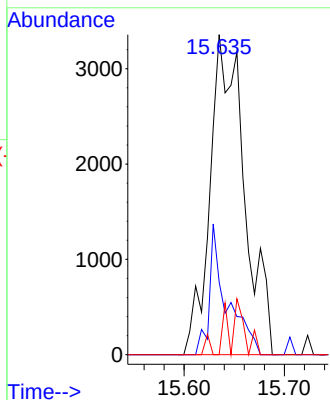
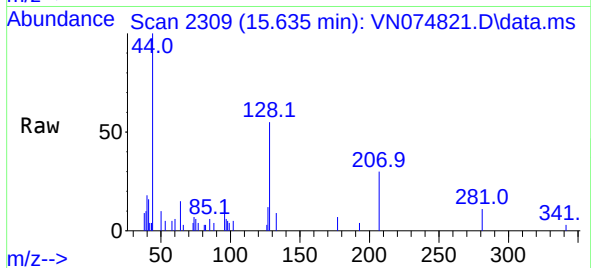




#95
Naphthalene
Concen: 0.491 ug/l
RT: 15.635 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN074821.D
Acq: 07 Oct 2022 19:09

Instrument :
MSVOA_N
ClientSampleId :
257155-4

Tgt Ion:128 Resp: 7981
Ion Ratio Lower Upper
128 100
127 21.0 10.2 15.2#
129 3.3 9.0 13.4#



#96
1,2,3-Trichlorobenzene
Concen: Below Cal
RT: 16.105 min Scan# 2389
Delta R.T. 0.264 min
Lab File: VN074821.D
Acq: 07 Oct 2022 19:09

Tgt Ion:180 Resp: 100
Ion Ratio Lower Upper
180 100
182 0.0 47.3 142.0#
145 0.0 17.1 51.2#

