

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120822\
 Data File : VN075643.D
 Acq On : 08 Dec 2022 13:20
 Operator : JC\MD
 Sample : N5944-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-120722

Quant Time: Dec 09 02:06:24 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)

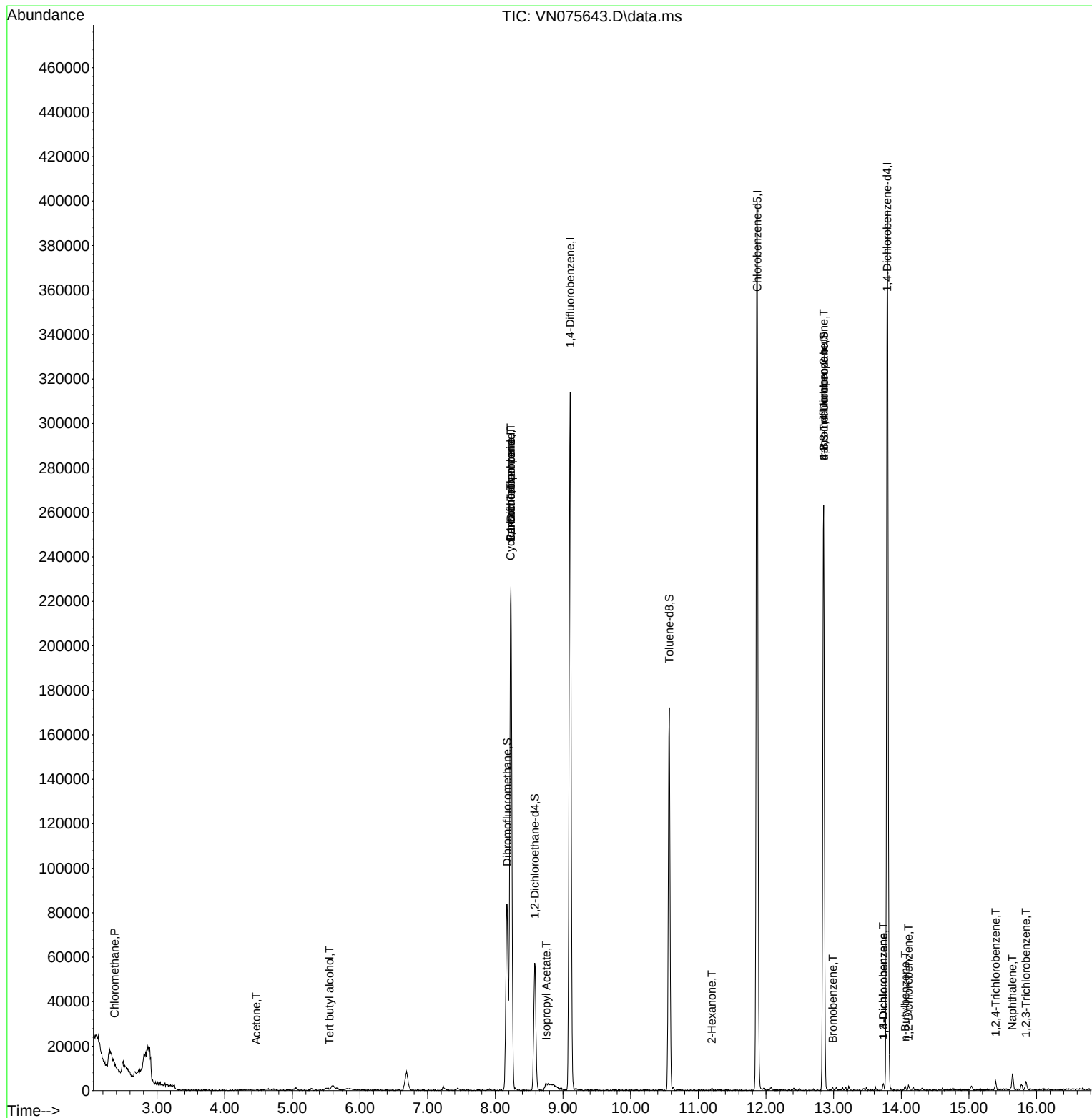
Internal Standards						
1) Pentafluorobenzene	8.230	168	181340	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.106	114	291276	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	249993	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	114203	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	46610	47.883	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.760%		
35) Dibromofluoromethane	8.177	113	59234	51.768	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.540%		
50) Toluene-d8	10.571	98	121768	47.250	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.500%		
62) 4-Bromofluorobenzene	12.853	95	87550	46.026	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.060%		
Target Compounds						
						Qvalue
3) Chloromethane	2.371	50	464	0.269	ug/l	# 42
11) Tert butyl alcohol	5.548	59	271	0.663	ug/l	# 72
16) Acetone	4.465	43	980	1.079	ug/l	# 43
18) Methyl Acetate	5.048	43	2009	Below Cal	#	54
20) Methylene Chloride	5.277	84	418	Below Cal	#	72
31) Cyclohexane	8.224	56	3249	1.051	ug/l	# 37
36) 1,1-Dichloropropene	8.230	75	12136	4.864	ug/l	# 50
38) Carbon Tetrachloride	8.230	117	17510	6.388	ug/l	# 16
43) Isopropyl Acetate	8.753	43	1938	0.537	ug/l	# 53
59) 2-Hexanone	11.200	43	855	0.496	ug/l	65
76) 1,2,3-Trichloropropane	12.853	75	44274	20.504	ug/l	# 1
77) Bromobenzene	12.988	156	423	0.205	ug/l	75
81) trans-1,4-Dichloro-2-b...	12.853	75	44274	60.667	ug/l	# 10
87) 1,3-Dichlorobenzene	13.735	146	1433	0.367	ug/l	86
88) 1,4-Dichlorobenzene	13.735	146	1433	0.361	ug/l	85
89) n-Butylbenzene	14.059	91	1324	0.217	ug/l	86
91) 1,2-Dichlorobenzene	14.106	146	1241	0.326	ug/l	87
93) 1,2,4-Trichlorobenzene	15.394	180	1569	0.805	ug/l	94
95) Naphthalene	15.641	128	7463	1.217	ug/l	97
96) 1,2,3-Trichlorobenzene	15.841	180	1703	0.889	ug/l	96

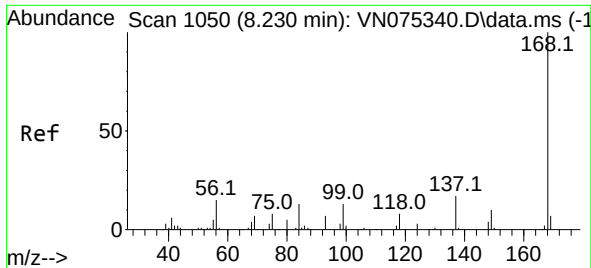
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Nov 23 00:18:03 2022
Response via : Initial Calibration

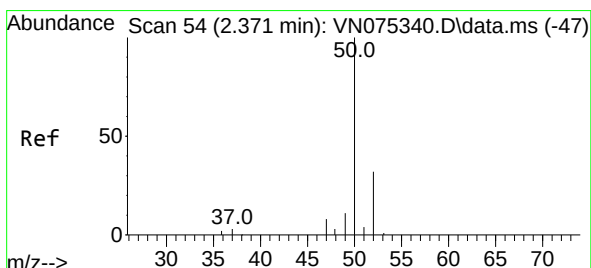
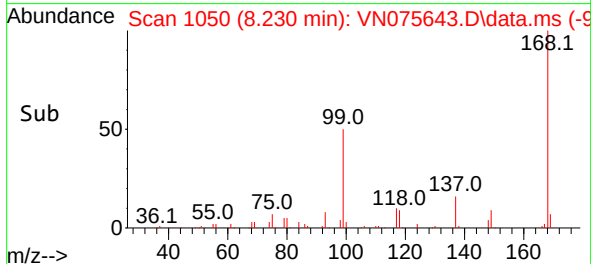
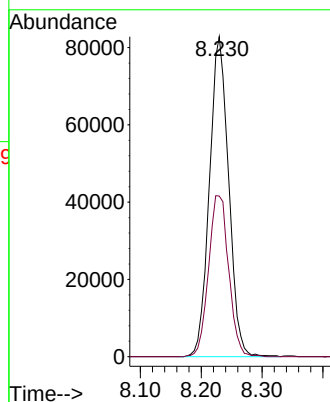
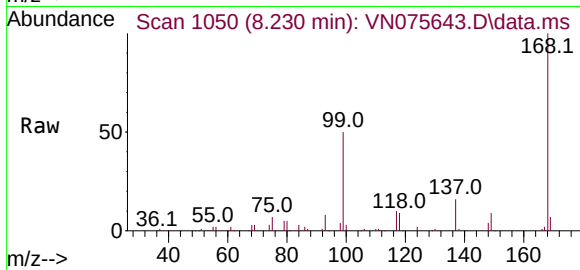




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075643.D
Acq: 08 Dec 2022 13:20

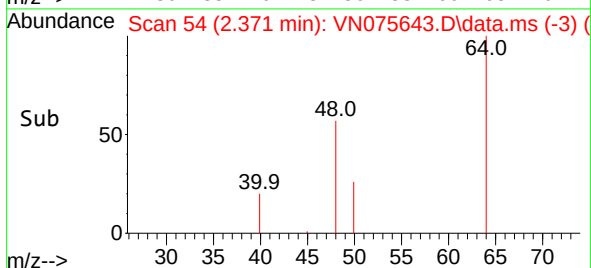
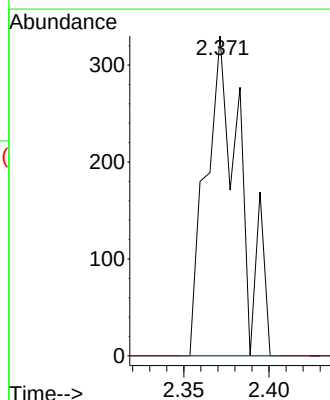
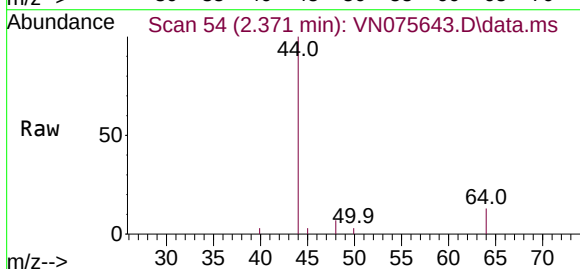
Instrument :
MSVOA_N
ClientSampleId :
TB-01-120722

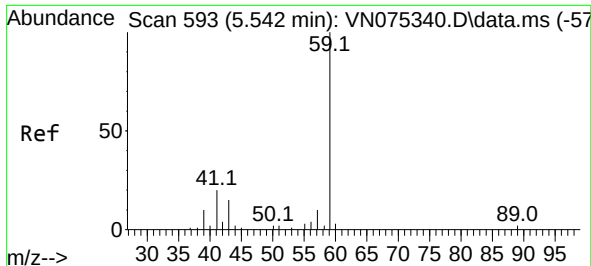
Tgt Ion:168 Resp: 181340
Ion Ratio Lower Upper
168 100
99 50.2 51.6 77.4#



#3
Chloromethane
Concen: 0.269 ug/l
RT: 2.371 min Scan# 54
Delta R.T. 0.000 min
Lab File: VN075643.D
Acq: 08 Dec 2022 13:20

Tgt Ion: 50 Resp: 464
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.6#

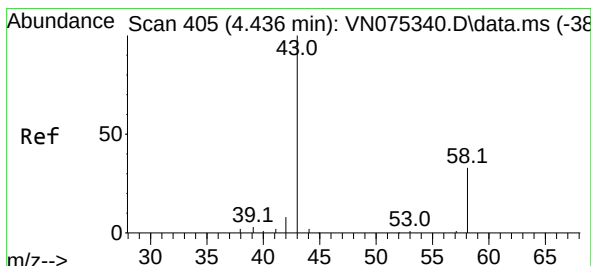
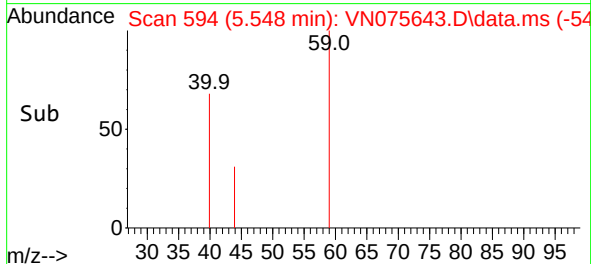
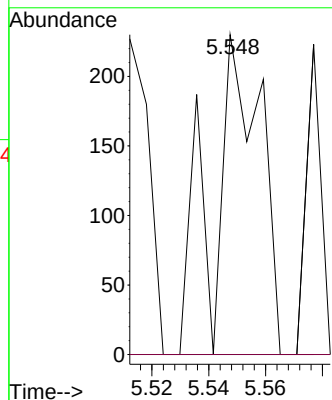
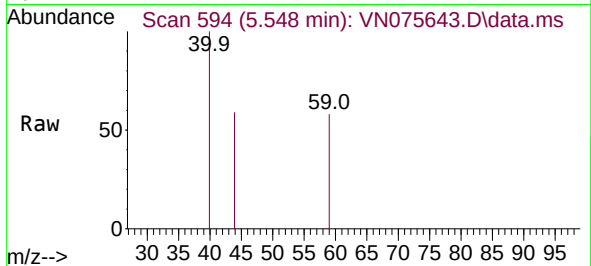




#11
Tert butyl alcohol
Concen: 0.663 ug/l
RT: 5.548 min Scan# 59
Delta R.T. 0.006 min
Lab File: VN075643.D
Acq: 08 Dec 2022 13:20

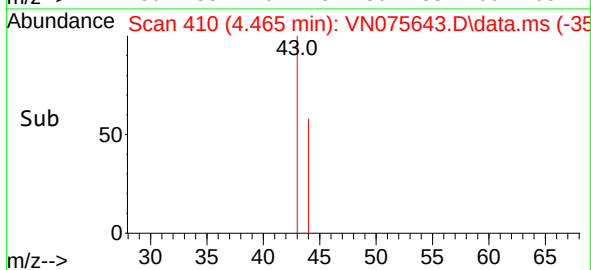
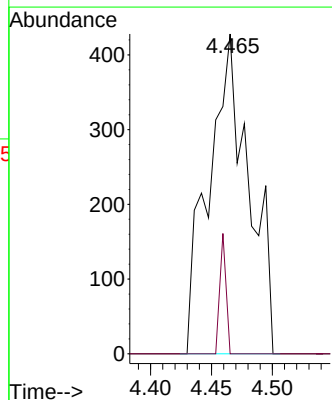
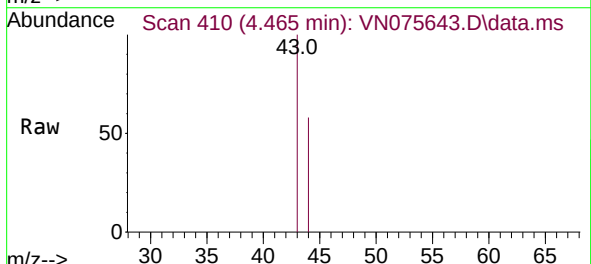
Instrument :
MSVOA_N
ClientSampleId :
TB-01-120722

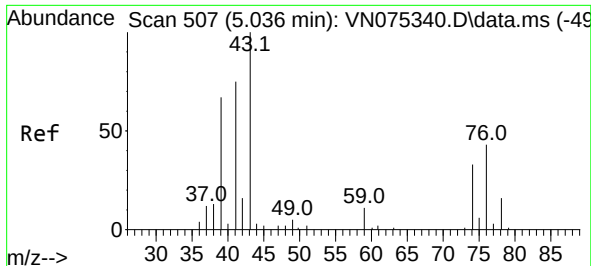
Tgt Ion: 59 Resp: 271
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 1.079 ug/l
RT: 4.465 min Scan# 410
Delta R.T. 0.029 min
Lab File: VN075643.D
Acq: 08 Dec 2022 13:20

Tgt Ion: 43 Resp: 980
Ion Ratio Lower Upper
43 100
58 0.0 25.5 38.3#

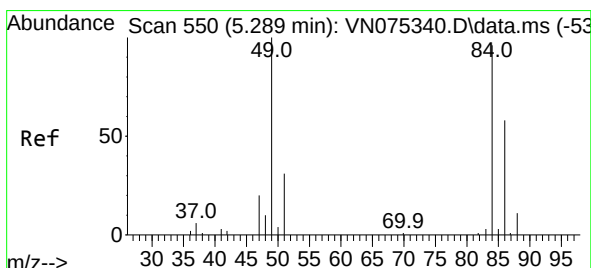
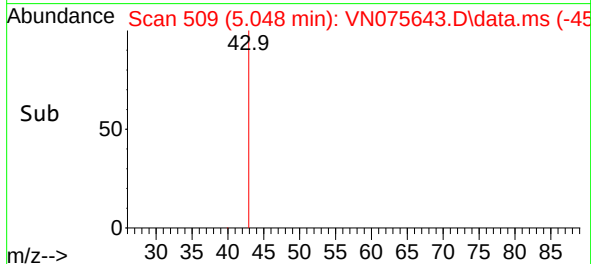
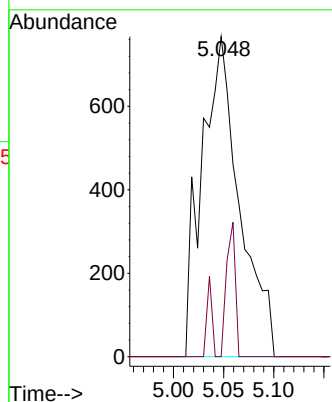
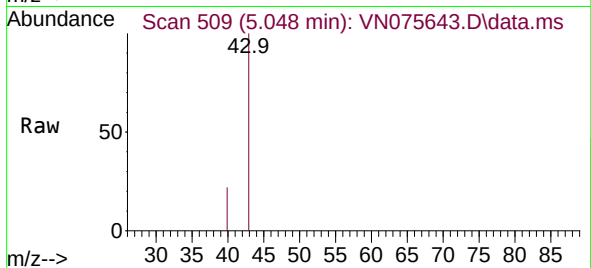




#18
Methyl Acetate
Concen: Below Cal
RT: 5.048 min Scan# 509
Delta R.T. 0.012 min
Lab File: VN075643.D
Acq: 08 Dec 2022 13:20

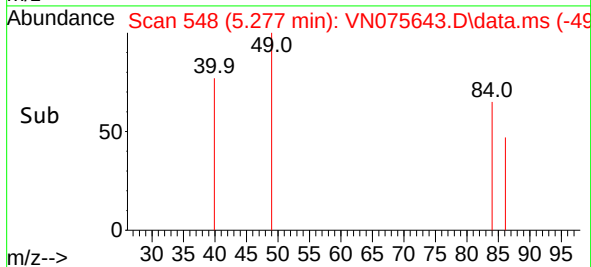
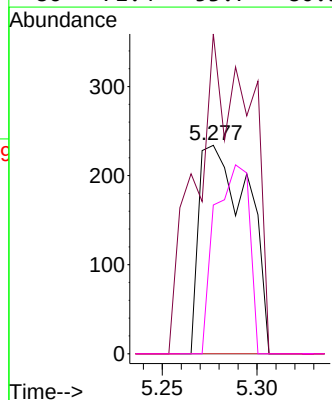
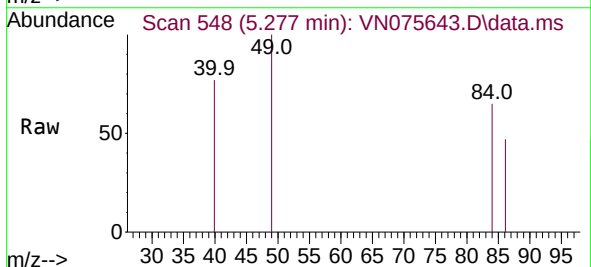
Instrument :
MSVOA_N
ClientSampleId :
TB-01-120722

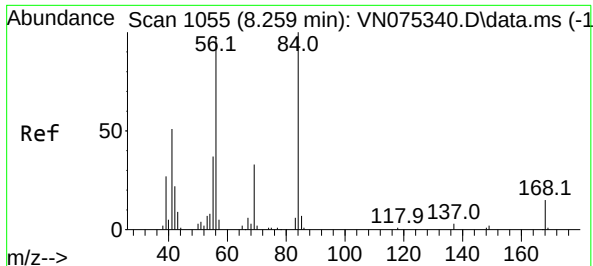
Tgt Ion: 43 Resp: 2009
Ion Ratio Lower Upper
43 100
74 3.4 22.0 33.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 548
Delta R.T. -0.012 min
Lab File: VN075643.D
Acq: 08 Dec 2022 13:20

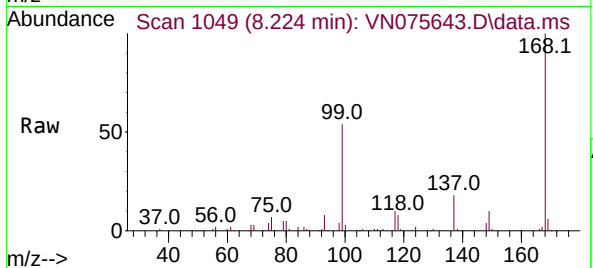
Tgt Ion: 84 Resp: 418
Ion Ratio Lower Upper
84 100
49 153.4 94.9 142.3#
51 0.0 26.8 40.2#
86 71.4 53.7 80.5



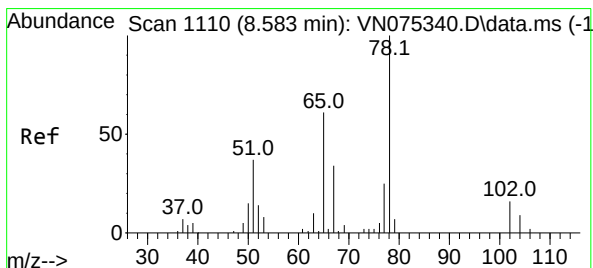
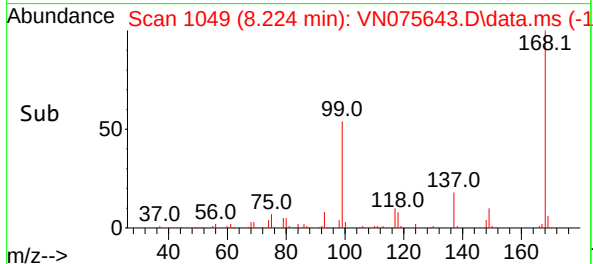
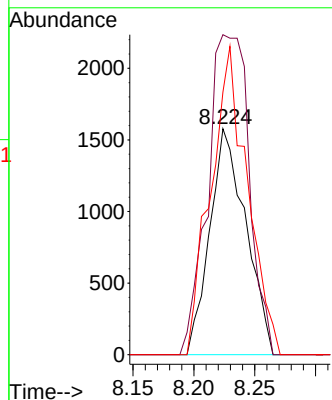


#31
Cyclohexane
Concen: 1.051 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN075643.D
Acq: 08 Dec 2022 13:20

Instrument :
MSVOA_N
ClientSampleId :
TB-01-120722

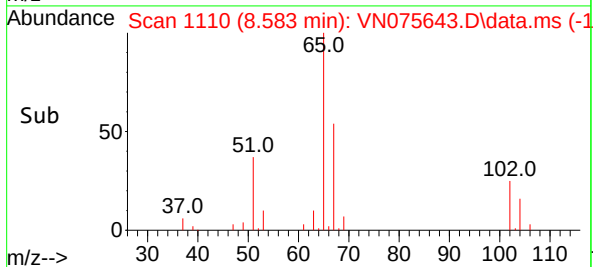
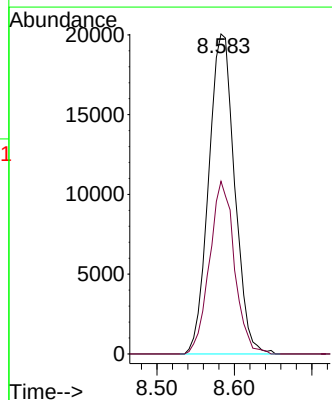
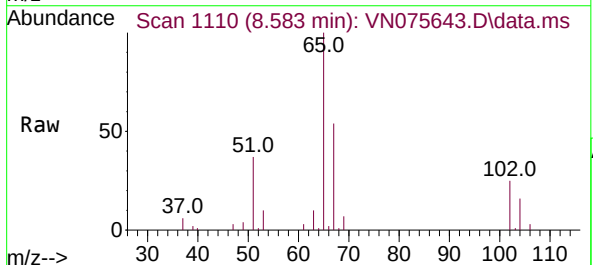


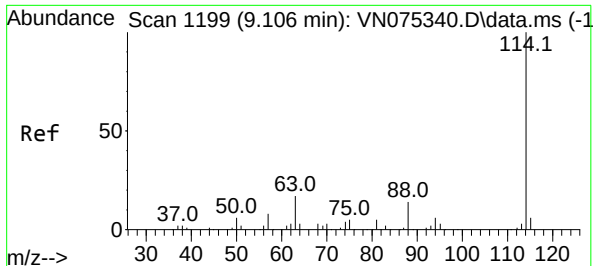
Tgt Ion: 56 Resp: 3249
Ion Ratio Lower Upper
56 100
69 141.6 25.2 37.8#
84 116.2 77.8 116.8



#33
1,2-Dichloroethane-d4
Concen: 47.883 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN075643.D
Acq: 08 Dec 2022 13:20

Tgt Ion: 65 Resp: 46610
Ion Ratio Lower Upper
65 100
67 51.9 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: VN075643.D

Acq: 08 Dec 2022 13:20

Instrument :

MSVOA_N

ClientSampleId :

TB-01-120722

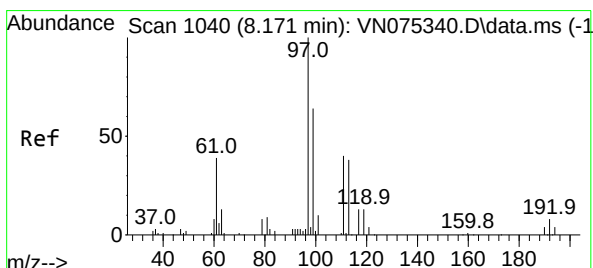
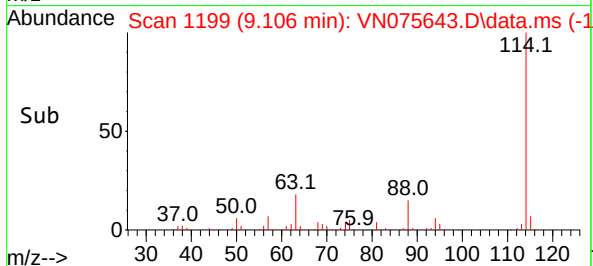
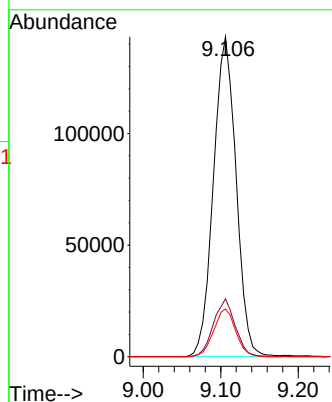
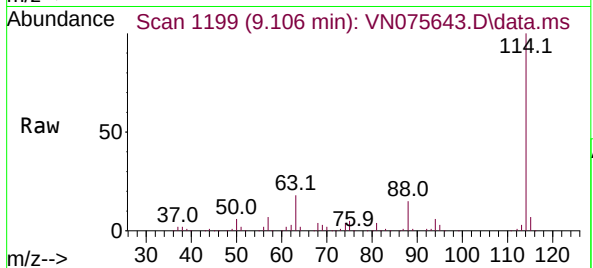
Tgt Ion:114 Resp: 291276

Ion Ratio Lower Upper

114 100

63 18.1 0.0 39.6

88 14.9 0.0 29.0



#35

Dibromofluoromethane

Concen: 51.768 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN075643.D

Acq: 08 Dec 2022 13:20

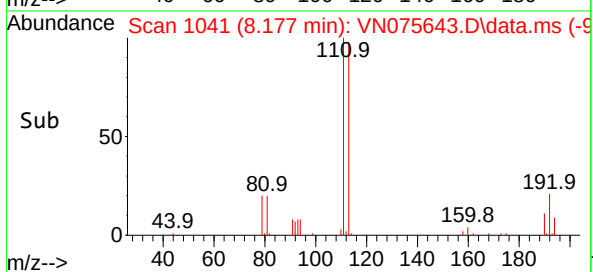
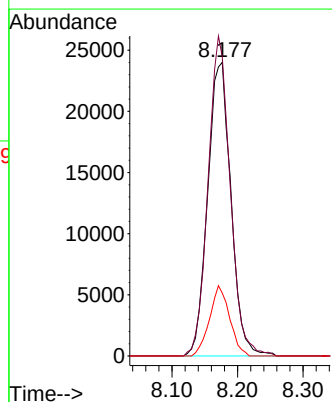
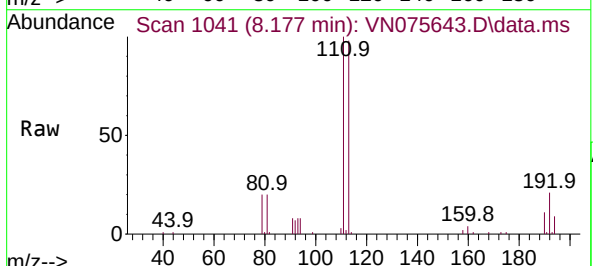
Tgt Ion:113 Resp: 59234

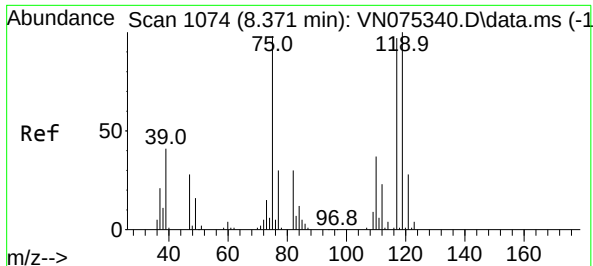
Ion Ratio Lower Upper

113 100

111 103.4 80.5 120.7

192 20.6 13.2 19.8#





#36

1,1-Dichloropropene

Concen: 4.864 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.141 min

Lab File: VN075643.D

Acq: 08 Dec 2022 13:20

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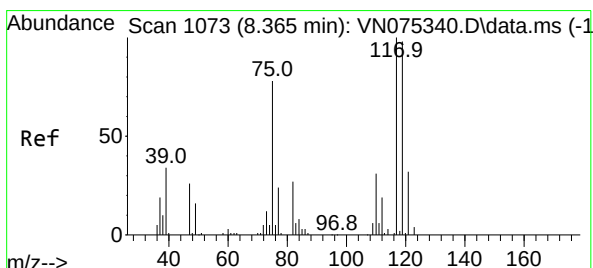
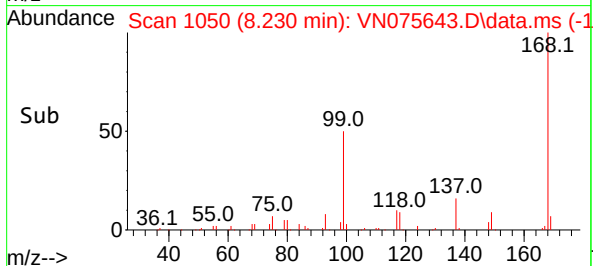
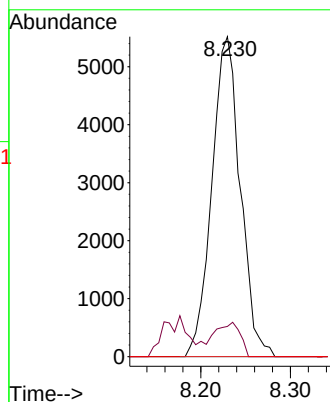
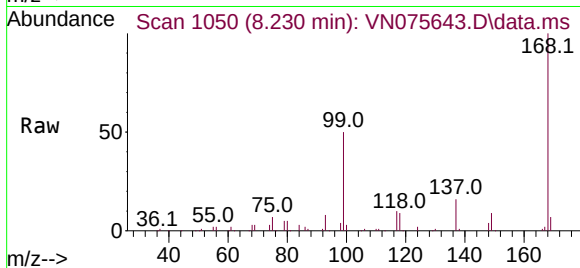
Tgt Ion: 75 Resp: 12136

Ion Ratio Lower Upper

75 100

110 9.4 17.8 53.3#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 6.388 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.135 min

Lab File: VN075643.D

Acq: 08 Dec 2022 13:20

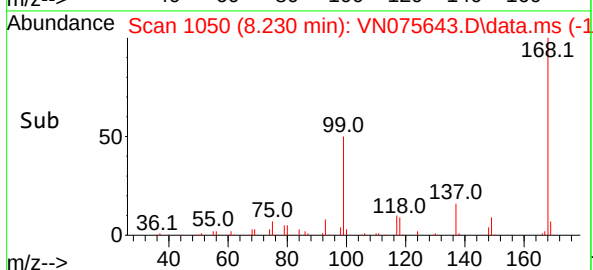
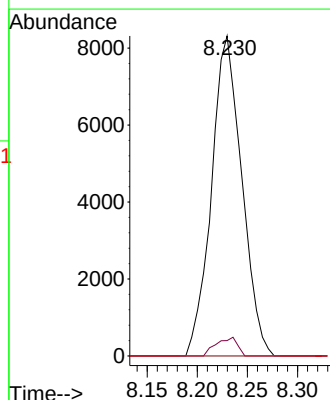
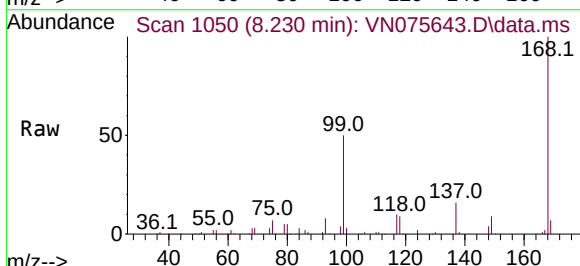
Tgt Ion: 117 Resp: 17510

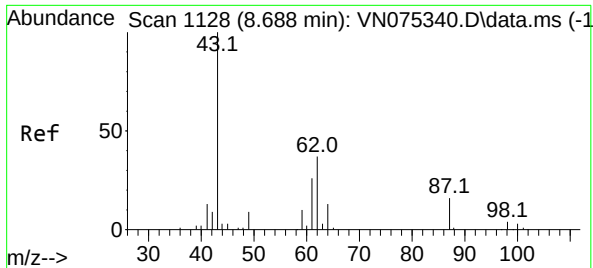
Ion Ratio Lower Upper

117 100

119 4.8 76.7 115.1#

121 0.0 23.9 35.9#

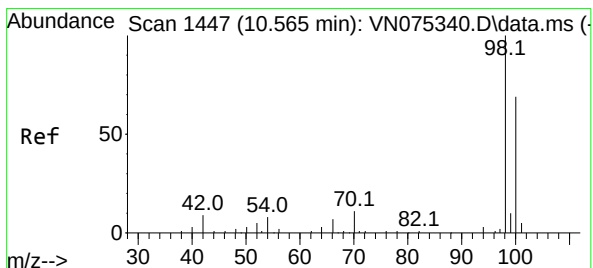
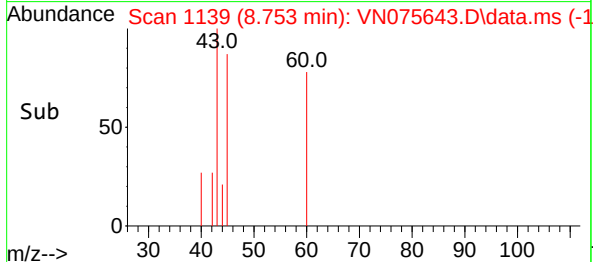
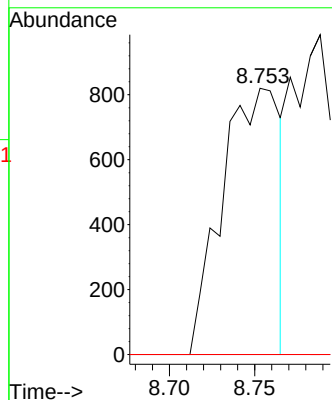
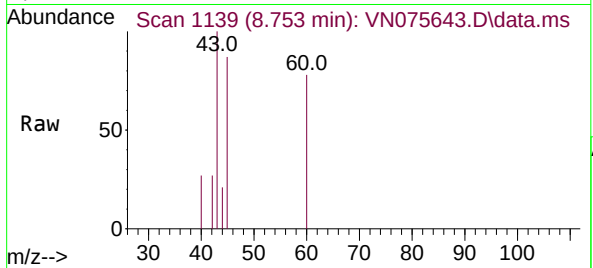




#43
Isopropyl Acetate
Concen: 0.537 ug/l
RT: 8.753 min Scan# 1139
Delta R.T. 0.065 min
Lab File: VN075643.D
Acq: 08 Dec 2022 13:20

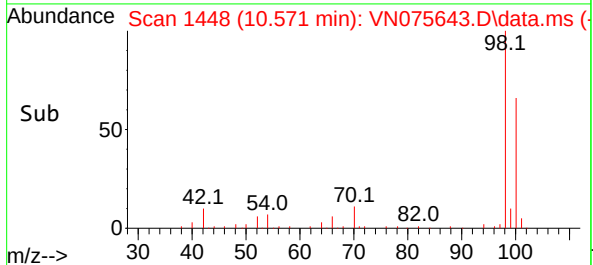
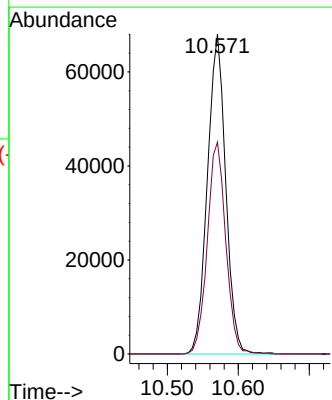
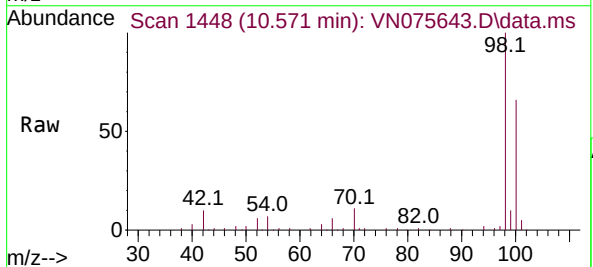
Instrument :
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TB-01-120722

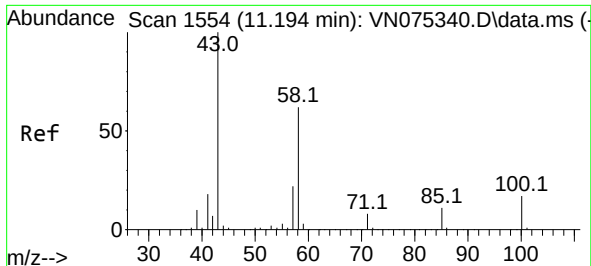
Tgt Ion: 43 Resp: 1938
Ion Ratio Lower Upper
43 100
61 0.0 22.4 33.6#
87 0.0 12.5 18.7#



#50
Toluene-d8
Concen: 47.250 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN075643.D
Acq: 08 Dec 2022 13:20

Tgt Ion: 98 Resp: 121768
Ion Ratio Lower Upper
98 100
100 66.9 53.0 79.6

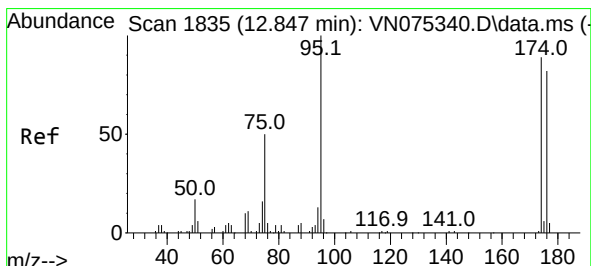
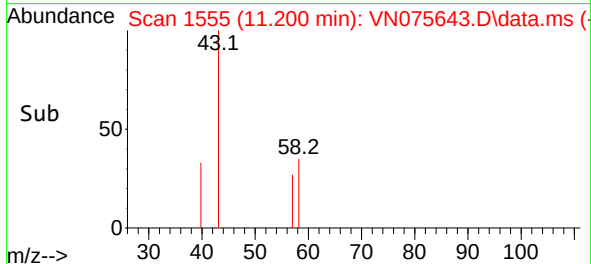
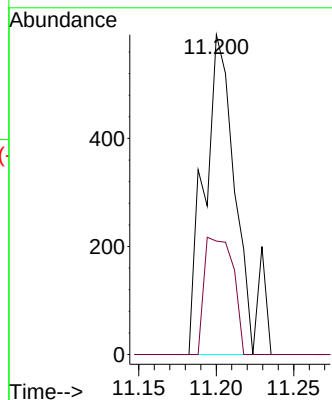
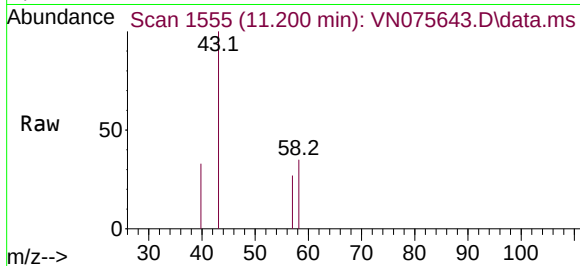




#59
2-Hexanone
Concen: 0.496 ug/l
RT: 11.200 min Scan# 111
Delta R.T. 0.006 min
Lab File: VN075643.D
Acq: 08 Dec 2022 13:20

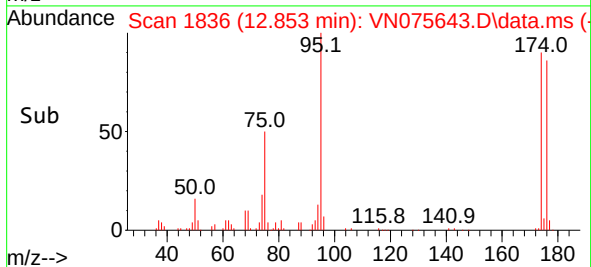
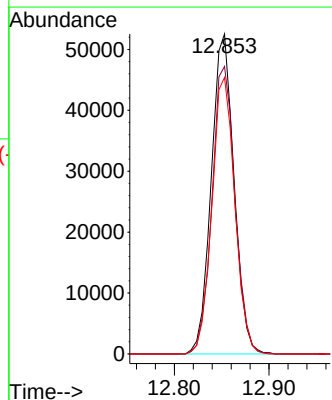
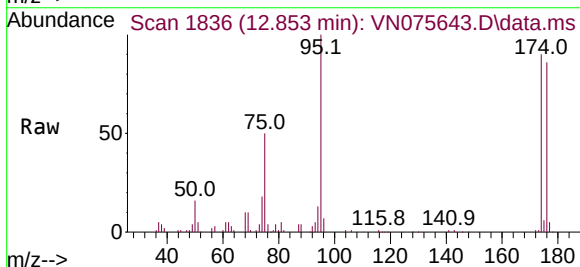
Instrument :
MSVOA_N
ClientSampleId :
TB-01-120722

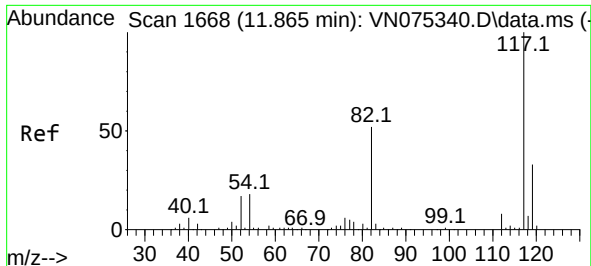
Tgt Ion: 43 Resp: 855
Ion Ratio Lower Upper
43 100
58 32.6 29.6 88.8



#62
4-Bromofluorobenzene
Concen: 46.026 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075643.D
Acq: 08 Dec 2022 13:20

Tgt Ion: 95 Resp: 87550
Ion Ratio Lower Upper
95 100
174 90.8 0.0 147.4
176 86.9 0.0 142.2

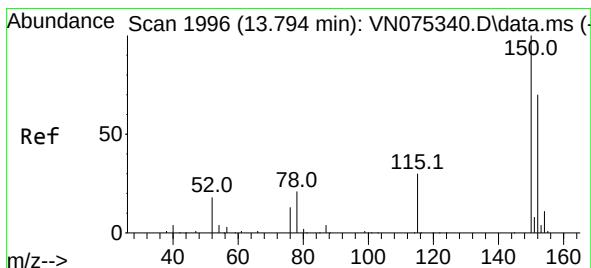
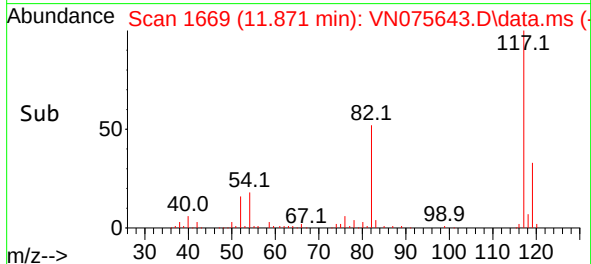
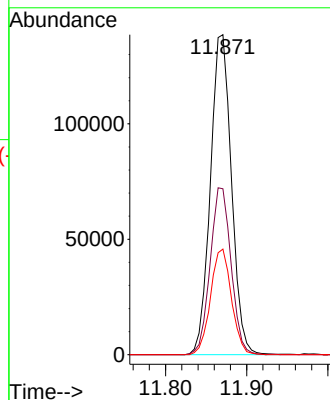
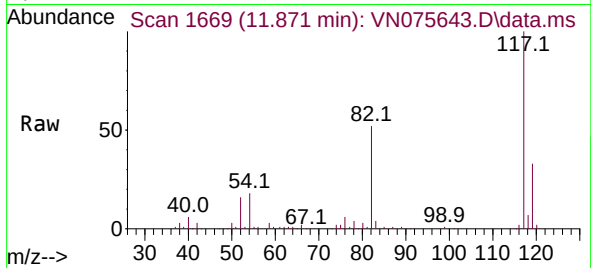




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075643.D
Acq: 08 Dec 2022 13:20

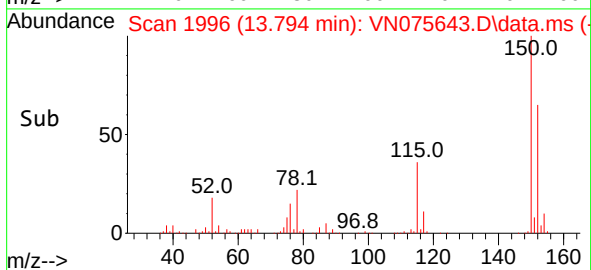
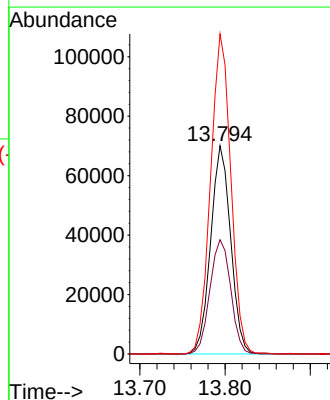
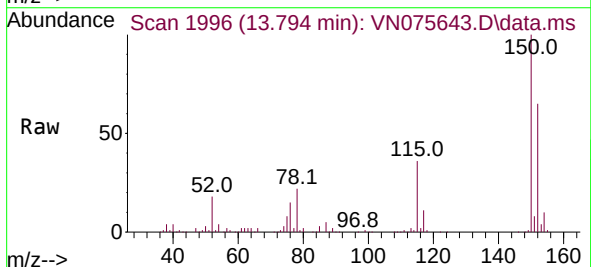
Instrument :
MSVOA_N
ClientSampleId :
TB-01-120722

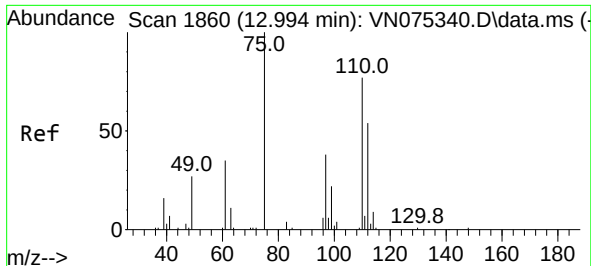
Tgt Ion:117 Resp: 249993
Ion Ratio Lower Upper
117 100
82 51.8 43.1 64.7
119 33.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075643.D
Acq: 08 Dec 2022 13:20

Tgt Ion:152 Resp: 114203
Ion Ratio Lower Upper
152 100
115 57.0 30.2 90.6
150 155.6 0.0 348.4

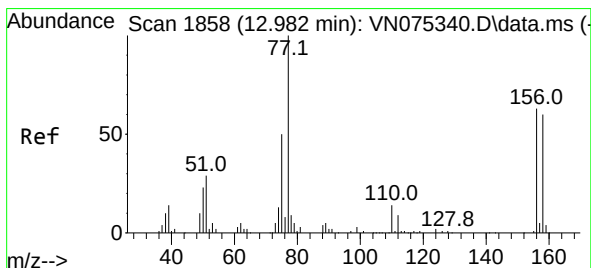
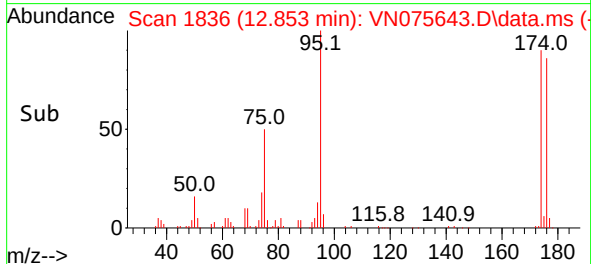
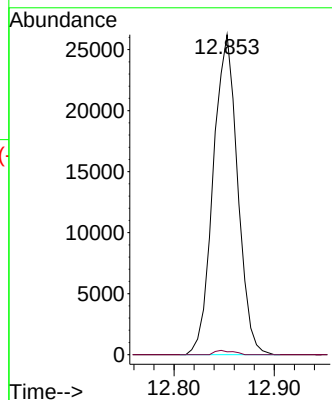
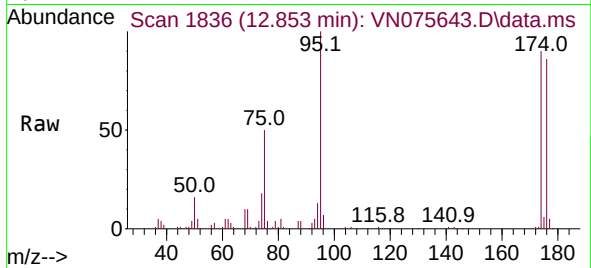




#76
1,2,3-Trichloropropane
Concen: 20.504 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075643.D
Acq: 08 Dec 2022 13:20

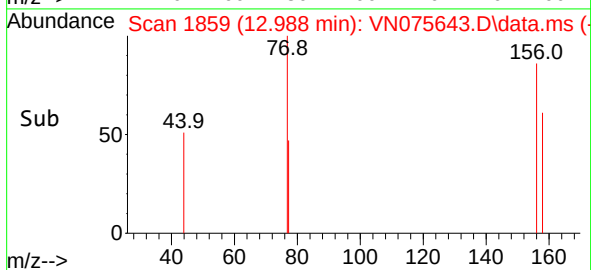
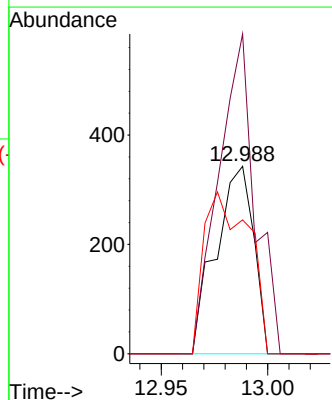
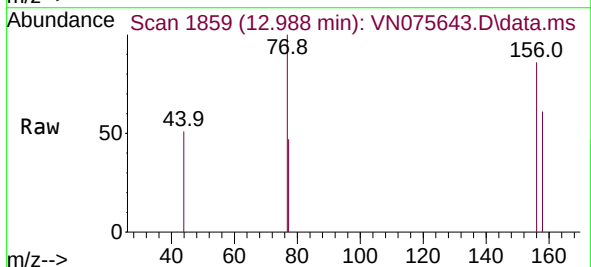
Instrument :
MSVOA_N
ClientSampleId :
TB-01-120722

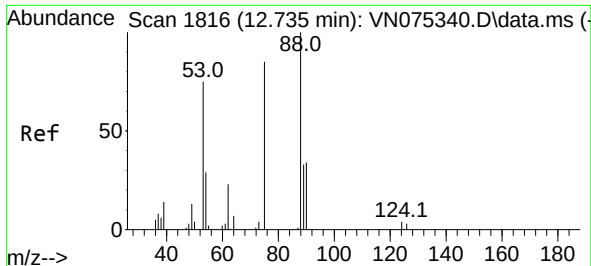
Tgt Ion: 75 Resp: 44274
Ion Ratio Lower Upper
75 100
77 1.0 75.6 226.8#



#77
Bromobenzene
Concen: 0.205 ug/l
RT: 12.988 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VN075643.D
Acq: 08 Dec 2022 13:20

Tgt Ion:156 Resp: 423
Ion Ratio Lower Upper
156 100
77 164.1 108.5 325.5
158 102.4 47.7 143.1

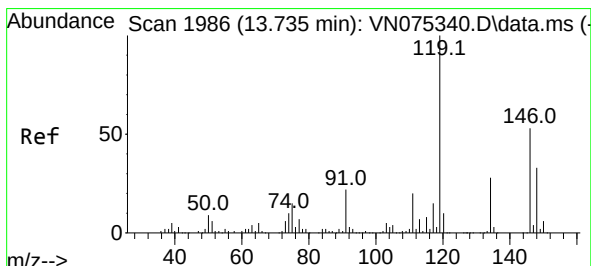
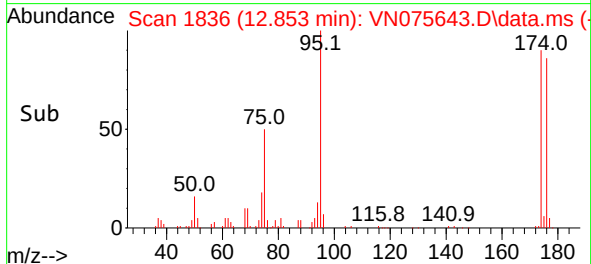
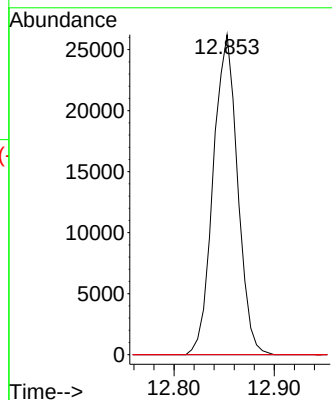
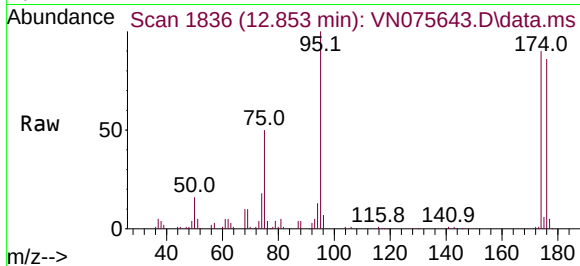




#81
trans-1,4-Dichloro-2-butene
Concen: 60.667 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN075643.D
Acq: 08 Dec 2022 13:20

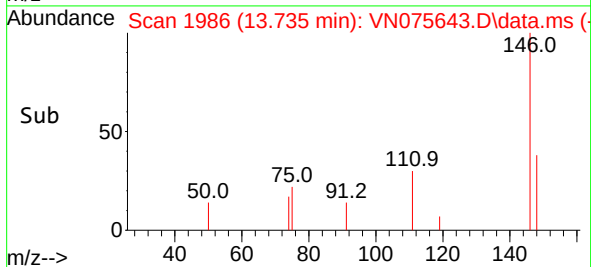
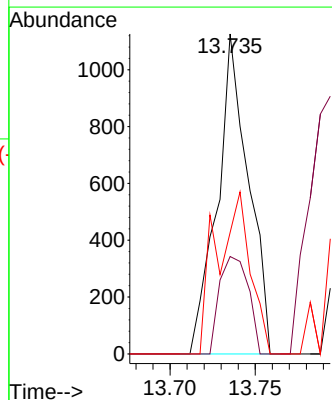
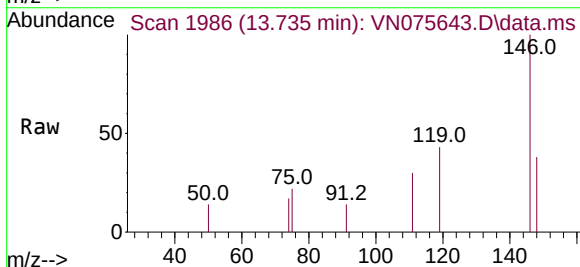
Instrument :
MSVOA_N
ClientSampleId :
TB-01-120722

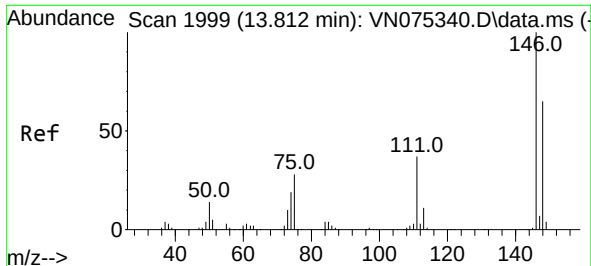
Tgt Ion: 75 Resp: 44274
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#



#87
1,3-Dichlorobenzene
Concen: 0.367 ug/l
RT: 13.735 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN075643.D
Acq: 08 Dec 2022 13:20

Tgt Ion: 146 Resp: 1433
Ion Ratio Lower Upper
146 100
111 28.3 20.8 62.5
148 54.7 31.1 93.5

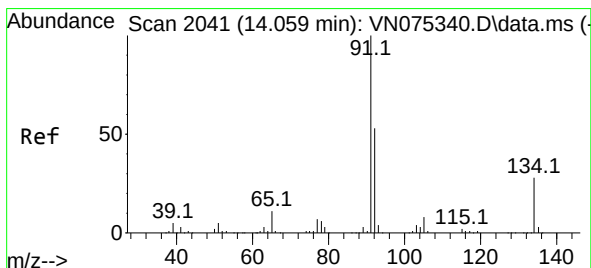
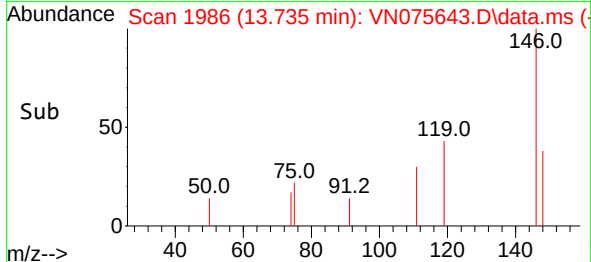
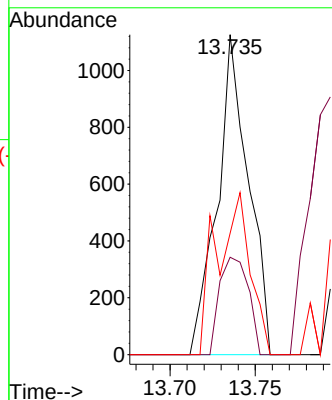
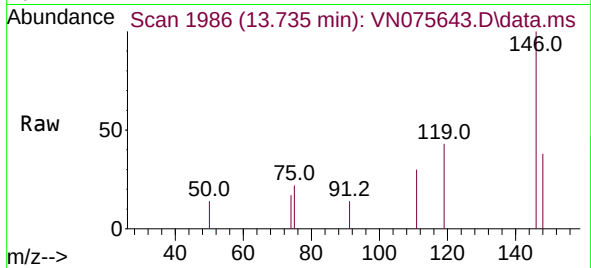




#88
 1,4-Dichlorobenzene
 Concen: 0.361 ug/l
 RT: 13.735 min Scan# 1999
 Delta R.T. -0.077 min
 Lab File: VN075643.D
 Acq: 08 Dec 2022 13:20

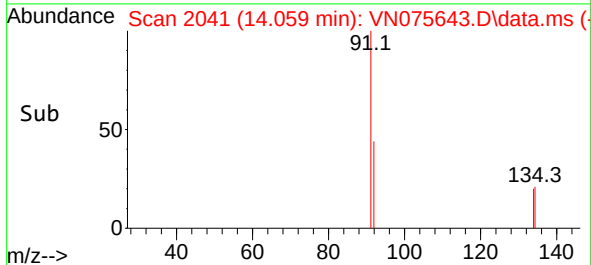
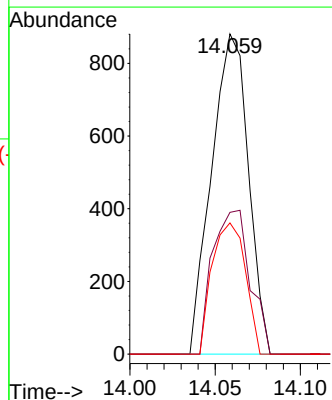
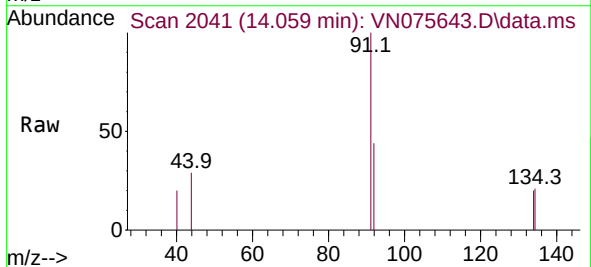
Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-120722

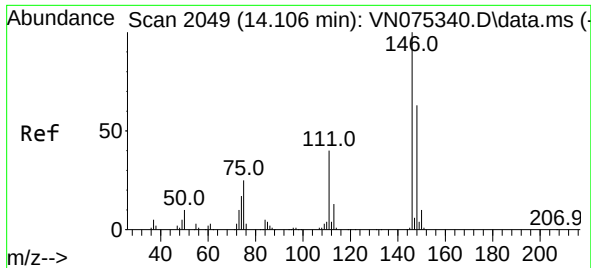
Tgt Ion:146 Resp: 1433
 Ion Ratio Lower Upper
 146 100
 111 28.3 20.1 60.3
 148 54.7 31.9 95.7



#89
 n-Butylbenzene
 Concen: 0.217 ug/l
 RT: 14.059 min Scan# 2041
 Delta R.T. -0.000 min
 Lab File: VN075643.D
 Acq: 08 Dec 2022 13:20

Tgt Ion: 91 Resp: 1324
 Ion Ratio Lower Upper
 91 100
 92 45.7 26.5 79.4
 134 36.9 13.0 39.0





#91

1,2-Dichlorobenzene

Concen: 0.326 ug/l

RT: 14.106 min Scan# 2049

Delta R.T. -0.000 min

Lab File: VN075643.D

Acq: 08 Dec 2022 13:20

Instrument :

MSVOA_N

ClientSampleId :

TB-01-120722

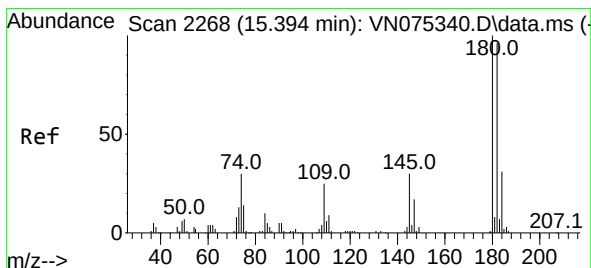
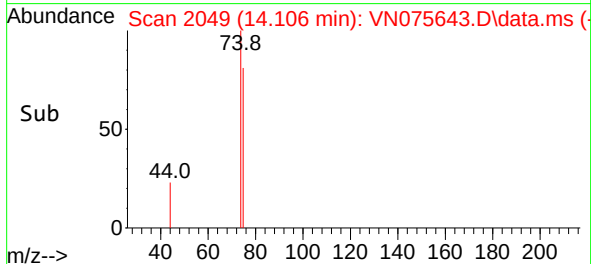
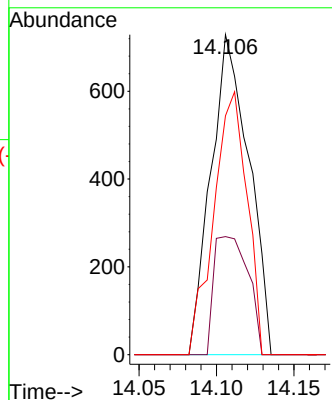
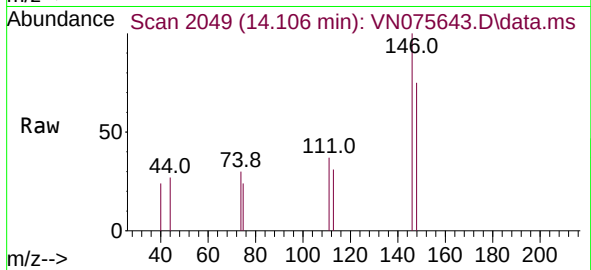
Tgt Ion:146 Resp: 1241

Ion Ratio Lower Upper

146 100

111 33.4 21.3 63.9

148 72.0 31.4 94.2



#93

1,2,4-Trichlorobenzene

Concen: 0.805 ug/l

RT: 15.394 min Scan# 2268

Delta R.T. -0.000 min

Lab File: VN075643.D

Acq: 08 Dec 2022 13:20

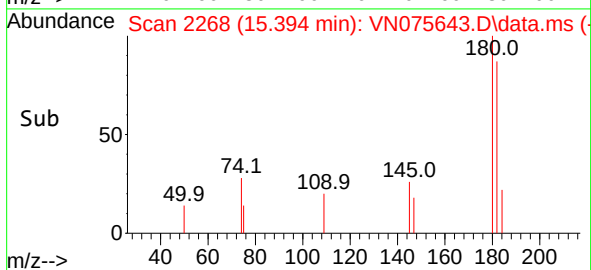
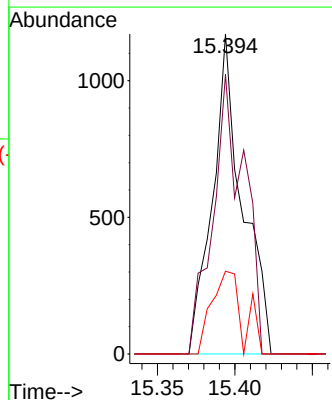
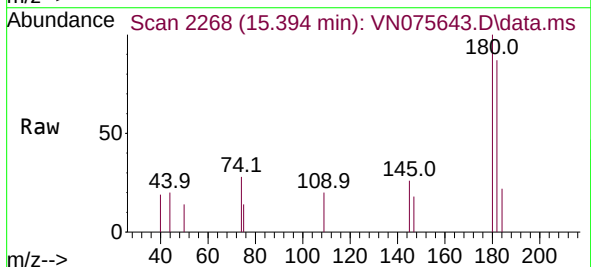
Tgt Ion:180 Resp: 1569

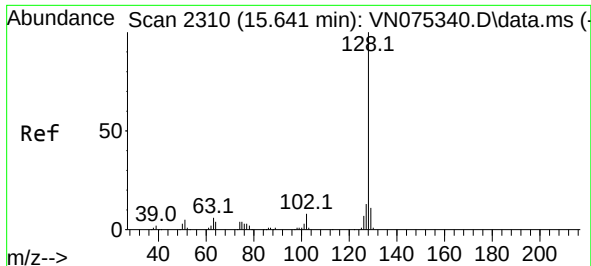
Ion Ratio Lower Upper

180 100

182 91.7 47.8 143.4

145 26.9 16.8 50.3

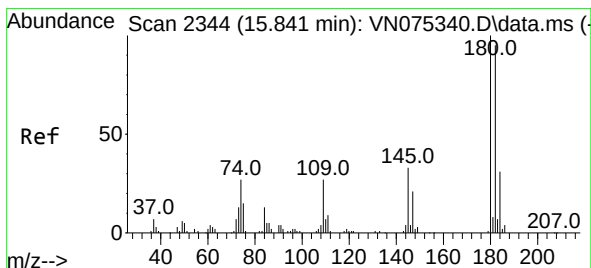
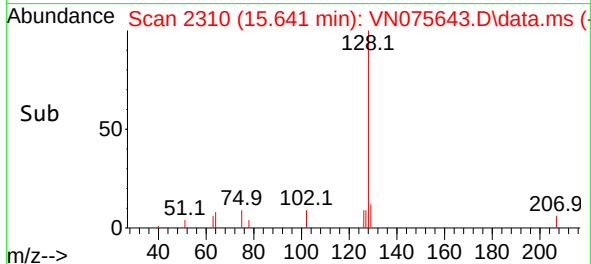
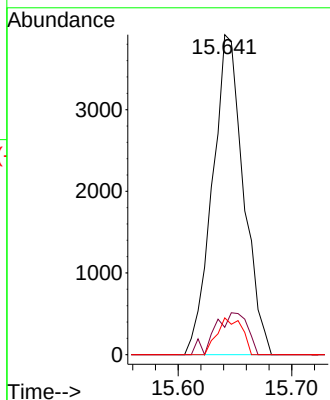
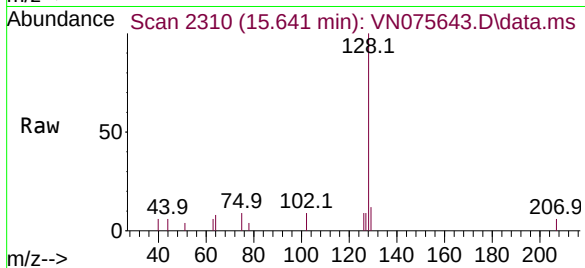




#95
Naphthalene
Concen: 1.217 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN075643.D
Acq: 08 Dec 2022 13:20

Instrument :
MSVOA_N
ClientSampleId :
TB-01-120722

Tgt Ion:	128	Resp:	7463
Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.4	15.6
129	9.2	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 0.889 ug/l
RT: 15.841 min Scan# 2344
Delta R.T. -0.000 min
Lab File: VN075643.D
Acq: 08 Dec 2022 13:20

Tgt Ion:	180	Resp:	1703
Ion	Ratio	Lower	Upper
180	100		
182	90.4	47.3	141.8
145	32.7	17.6	52.9

