

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031023\Not Reviewed Data\
 Data File : VN076928.D
 Acq On : 10 Mar 2023 16:39
 Operator : JC\MD
 Sample : 01843-04DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D4-20230306DL

Quant Time: Mar 10 17:09:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031023W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 13:47:39 2023
 Response via : Initial Calibration

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

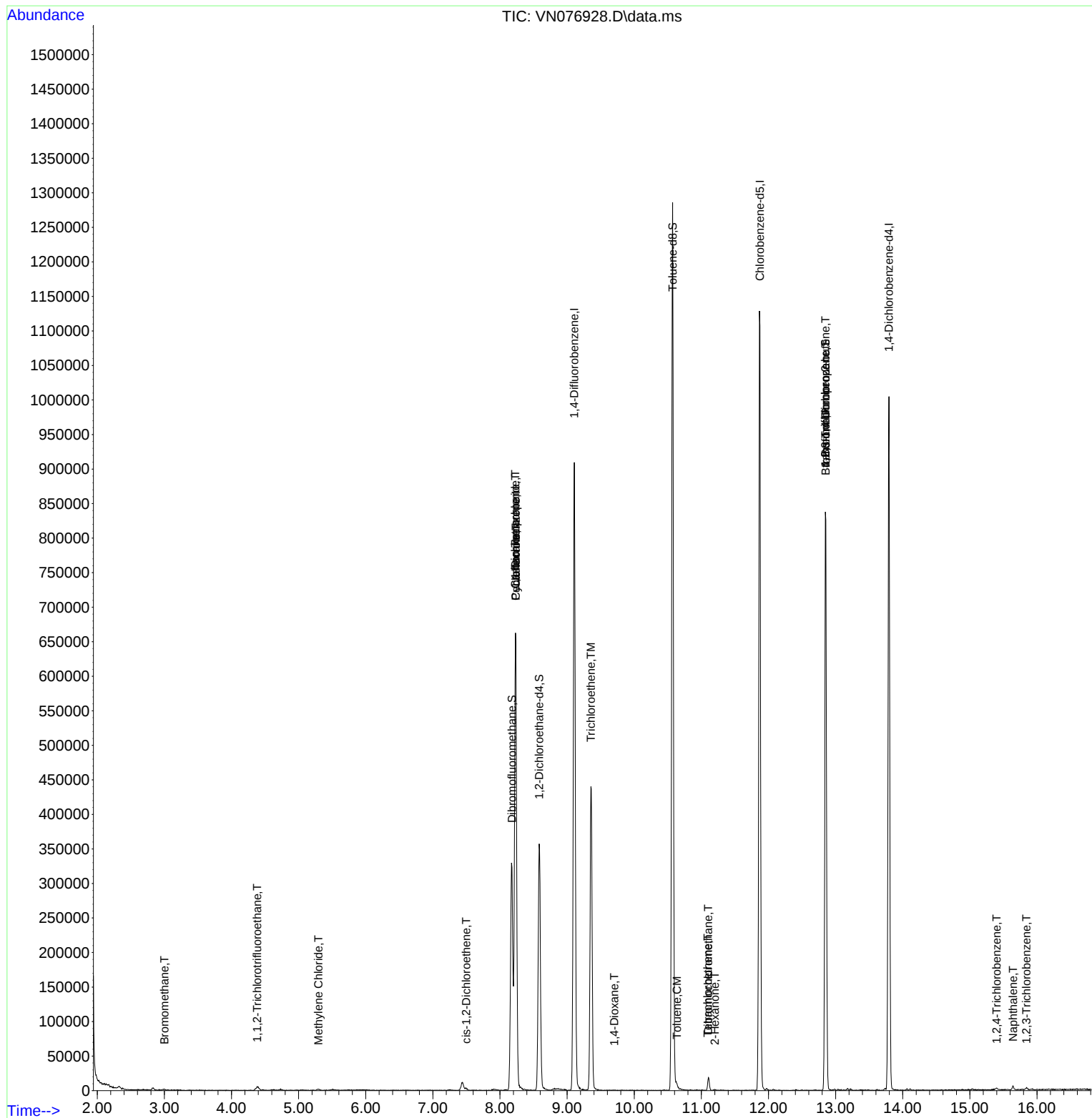
Internal Standards						
1) Pentafluorobenzene	8.236	168	468746	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	764877	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	645350	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	261671	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	322706	46.134	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.260%		
35) Dibromofluoromethane	8.178	113	234816	46.064	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.120%		
50) Toluene-d8	10.572	98	888165	47.275	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.540%		
62) 4-Bromofluorobenzene	12.848	95	302592	44.034	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.060%		
Target Compounds					Qvalue	
5) Bromomethane	3.001	94	887	0.284	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.384	101	3455	0.615	ug/l #	79
20) Methylene Chloride	5.295	84	1424	0.228	ug/l #	48
27) cis-1,2-Dichloroethene	7.495	96	1486	0.234	ug/l	97
31) Cyclohexane	8.236	56	10822	1.078	ug/l #	14
36) 1,1-Dichloropropene	8.230	75	39239	4.977	ug/l #	50
38) Carbon Tetrachloride	8.230	117	52244	5.662	ug/l #	16
44) Trichloroethene	9.354	130	160445	26.715	ug/l	96
49) 1,4-Dioxane	9.701	88	66	0.639	ug/l #	63
52) Toluene	10.636	92	2983	0.209	ug/l	80
59) 2-Hexanone	11.201	43	1171	0.240	ug/l	59
60) Dibromochloromethane	11.101	129	4270	0.696	ug/l #	10
64) Tetrachloroethene	11.095	164	4148	0.794	ug/l #	70
71) Bromoform	12.854	173	1415	0.346	ug/l #	1
76) 1,2,3-Trichloropropane	12.848	75	171422	27.021	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.848	75	171422	88.264	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.401	180	1447	0.273	ug/l	72
95) Naphthalene	15.642	128	4912	0.311	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.842	180	1374	0.267	ug/l	84

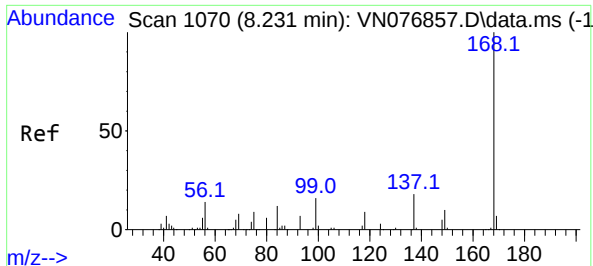
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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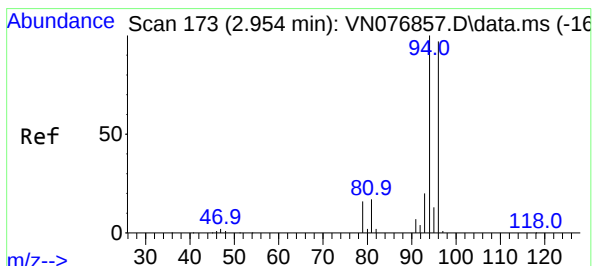
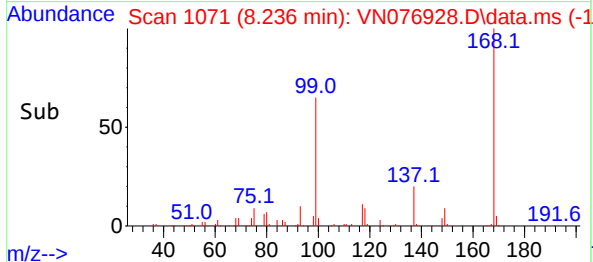
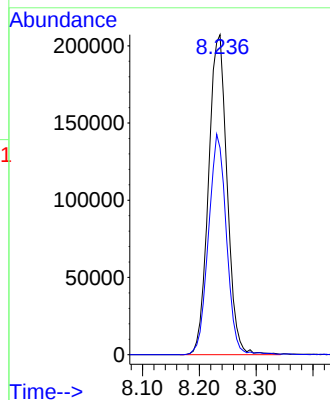
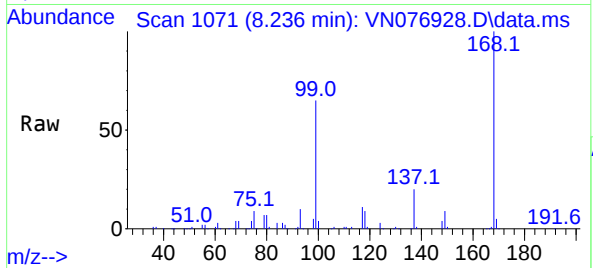




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN076928.D
Acq: 10 Mar 2023 16:39

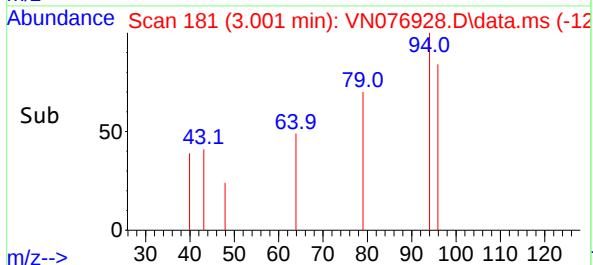
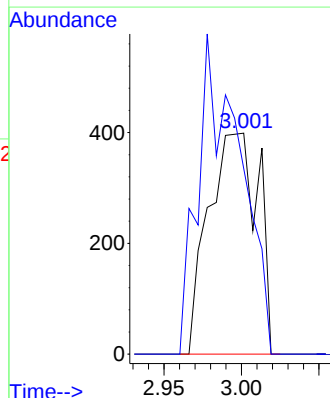
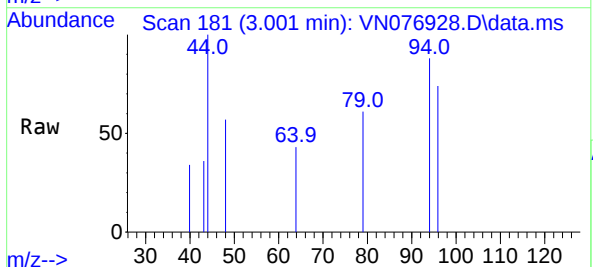
Instrument :
MSVOA_N
ClientSampleId :
RE132D4-20230306DL

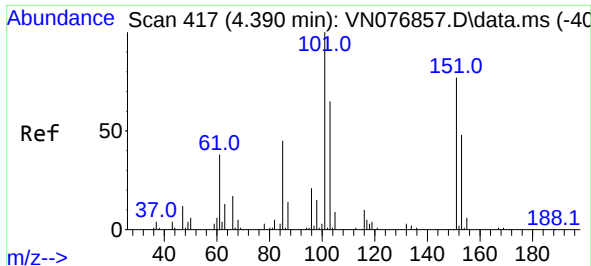
Tgt Ion:168 Resp: 468746
Ion Ratio Lower Upper
168 100
99 64.6 48.6 73.0



#5
Bromomethane
Concen: 0.284 ug/l
RT: 3.001 min Scan# 181
Delta R.T. 0.047 min
Lab File: VN076928.D
Acq: 10 Mar 2023 16:39

Tgt Ion: 94 Resp: 887
Ion Ratio Lower Upper
94 100
96 84.0 79.0 118.6

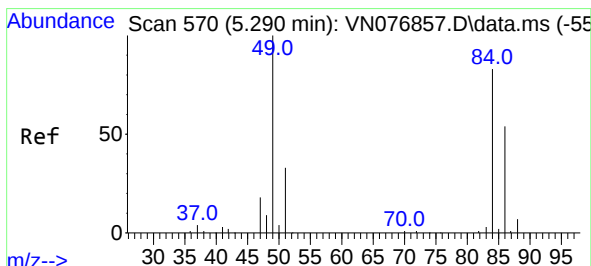
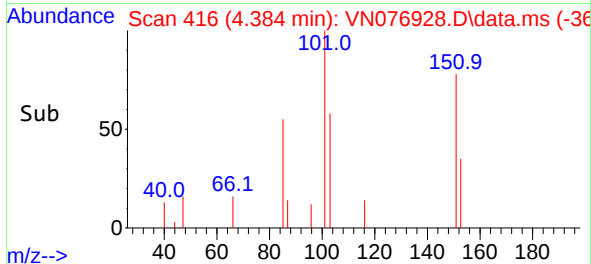
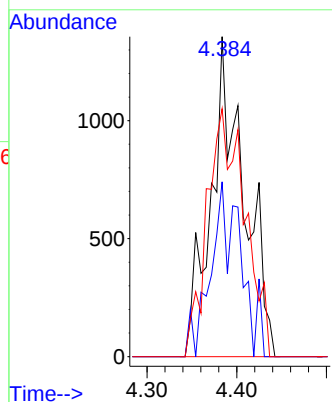
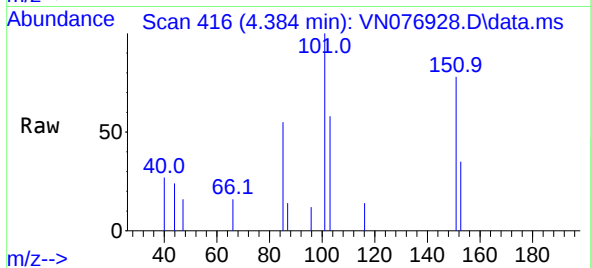




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.615 ug/l
RT: 4.384 min Scan# 417
Delta R.T. -0.006 min
Lab File: VN076928.D
Acq: 10 Mar 2023 16:39

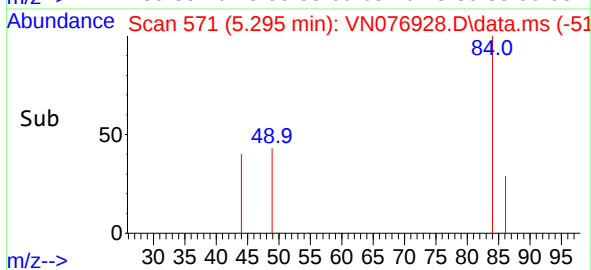
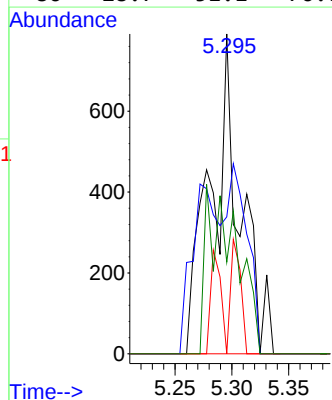
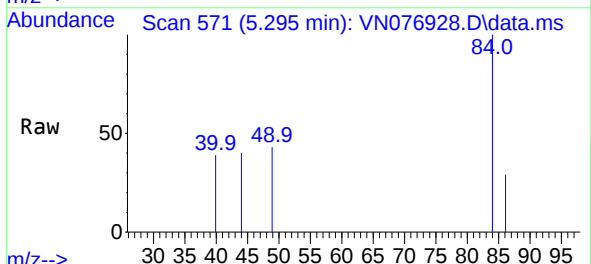
Instrument :
MSVOA_N
ClientSampleId :
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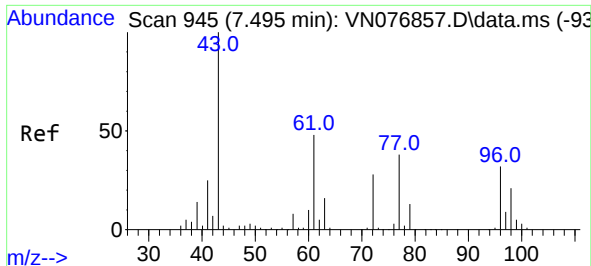
Tgt Ion:101 Resp: 3455
Ion Ratio Lower Upper
101 100
85 27.5 35.2 52.8#
151 88.6 58.9 88.3#



#20
Methylene Chloride
Concen: 0.228 ug/l
RT: 5.295 min Scan# 571
Delta R.T. 0.006 min
Lab File: VN076928.D
Acq: 10 Mar 2023 16:39

Tgt Ion: 84 Resp: 1424
Ion Ratio Lower Upper
84 100
49 42.9 76.6 114.8#
51 0.0 25.4 38.2#
86 28.7 51.1 76.7#

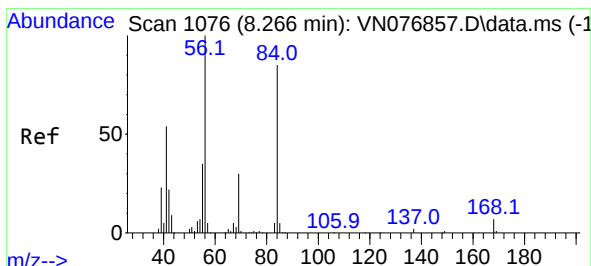
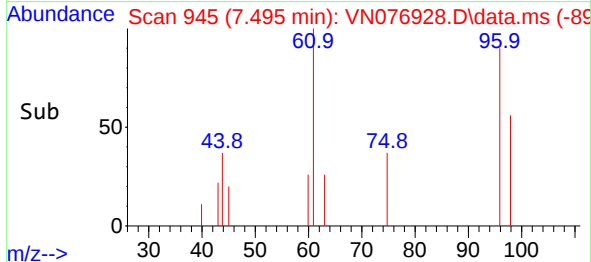
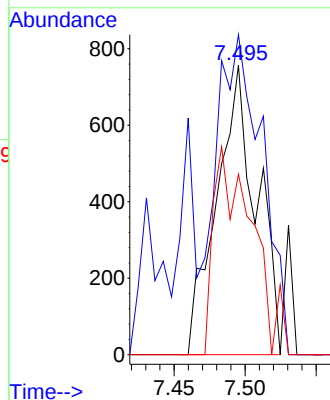
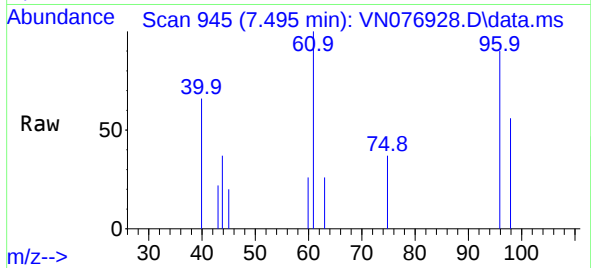




#27
cis-1,2-Dichloroethene
Concen: 0.234 ug/l
RT: 7.495 min Scan# 945
Delta R.T. -0.000 min
Lab File: VN076928.D
Acq: 10 Mar 2023 16:39

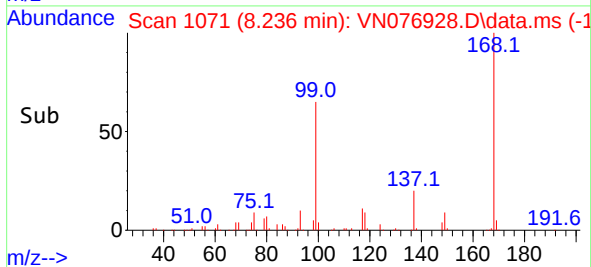
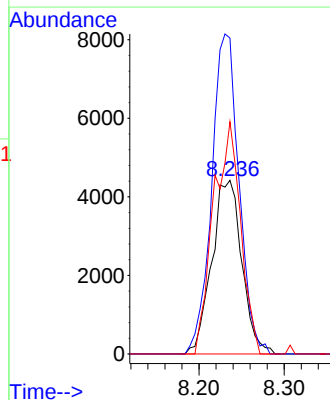
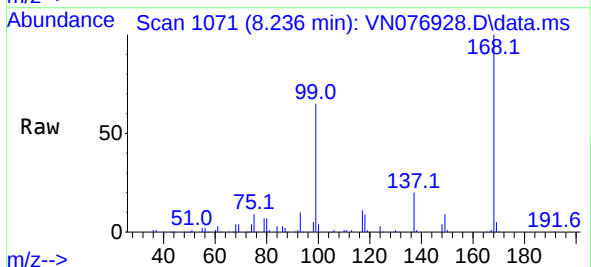
Instrument :
MSVOA_N
ClientSampleId :
RE132D4-20230306DL

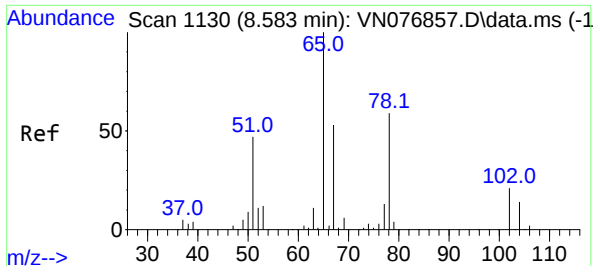
Tgt Ion: 96 Resp: 1486
Ion Ratio Lower Upper
96 100
61 127.7 0.0 255.6
98 69.7 0.0 127.4



#31
Cyclohexane
Concen: 1.078 ug/l
RT: 8.236 min Scan# 1071
Delta R.T. -0.030 min
Lab File: VN076928.D
Acq: 10 Mar 2023 16:39

Tgt Ion: 56 Resp: 10822
Ion Ratio Lower Upper
56 100
69 182.0 27.0 40.6#
84 133.7 82.9 124.3#

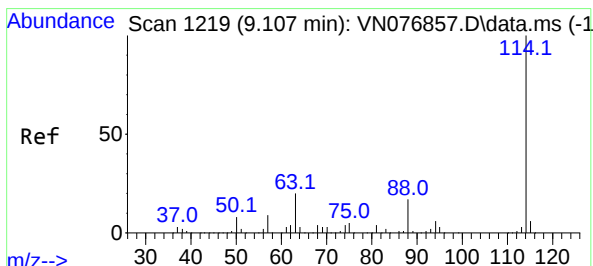
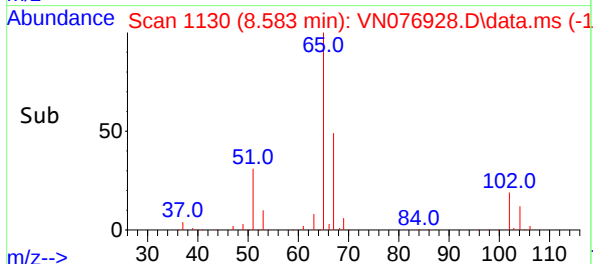
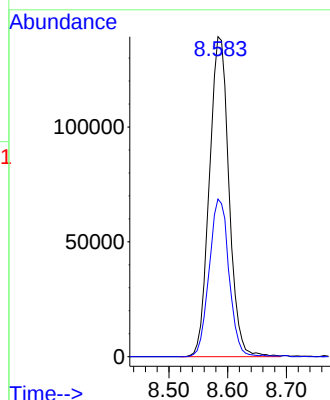
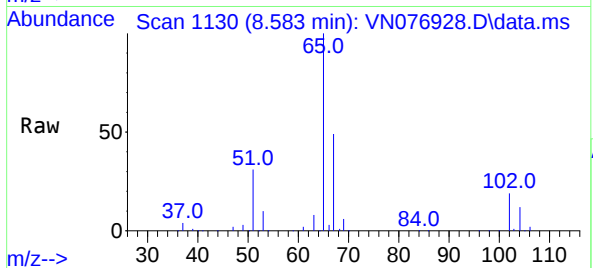




#33
1,2-Dichloroethane-d4
Concen: 46.134 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN076928.D
Acq: 10 Mar 2023 16:39

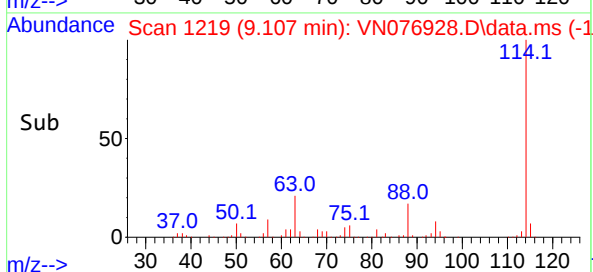
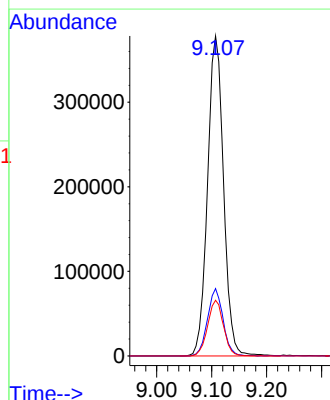
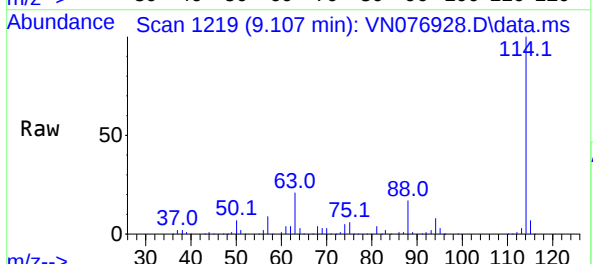
Instrument :
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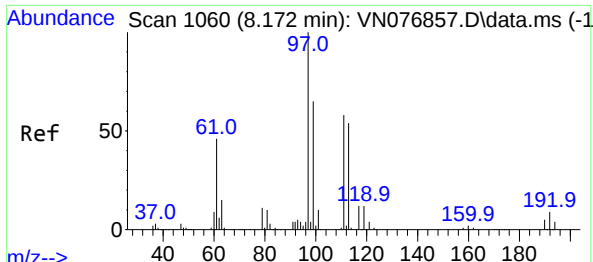
Tgt Ion: 65 Resp: 322706
Ion Ratio Lower Upper
65 100
67 49.9 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VN076928.D
Acq: 10 Mar 2023 16:39

Tgt Ion: 114 Resp: 764877
Ion Ratio Lower Upper
114 100
63 21.1 0.0 36.6
88 17.4 0.0 28.6

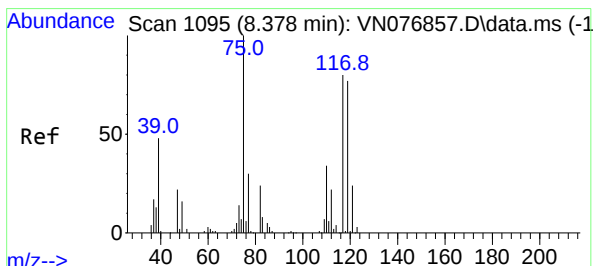
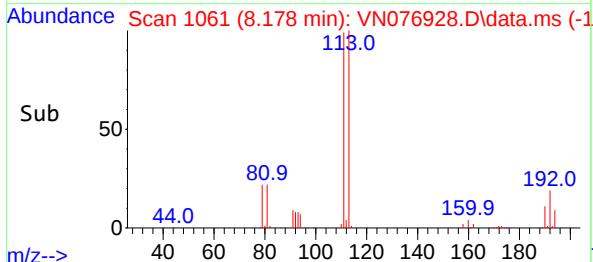
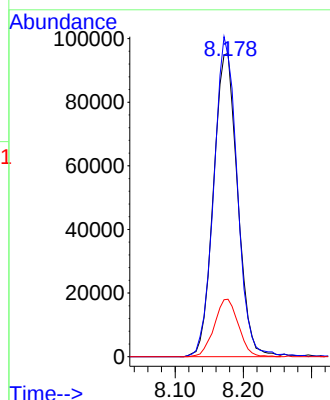
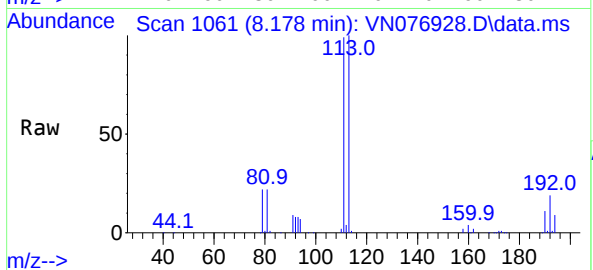




#35
Dibromofluoromethane
Concen: 46.064 ug/l
RT: 8.178 min Scan# 1060
Delta R.T. 0.006 min
Lab File: VN076928.D
Acq: 10 Mar 2023 16:39

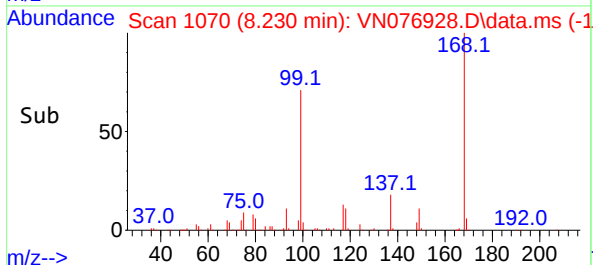
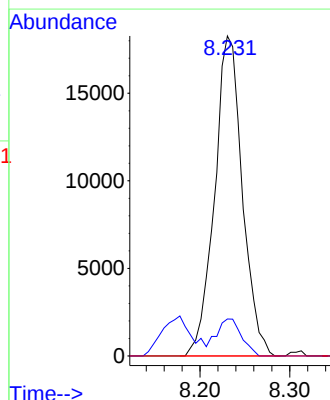
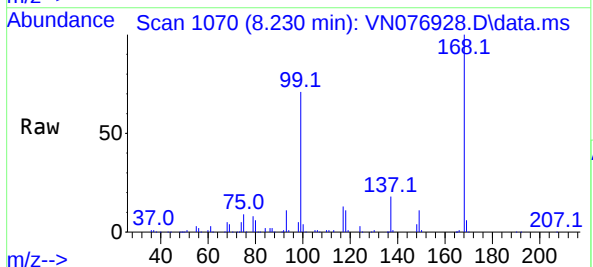
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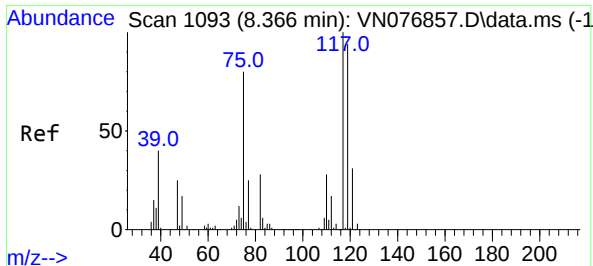
Tgt Ion:113 Resp: 234816
Ion Ratio Lower Upper
113 100
111 102.4 81.8 122.8
192 19.0 13.9 20.9



#36
1,1-Dichloropropene
Concen: 4.977 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.147 min
Lab File: VN076928.D
Acq: 10 Mar 2023 16:39

Tgt Ion: 75 Resp: 39239
Ion Ratio Lower Upper
75 100
110 10.5 18.9 56.9#
77 0.0 24.9 37.3#

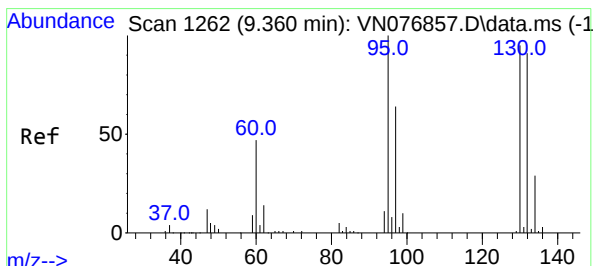
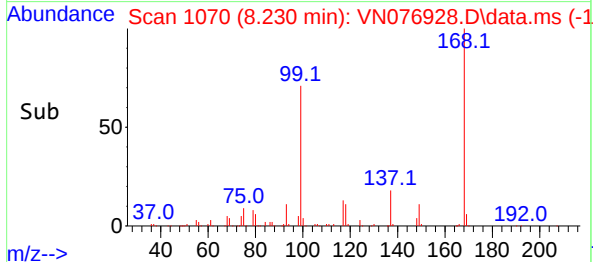
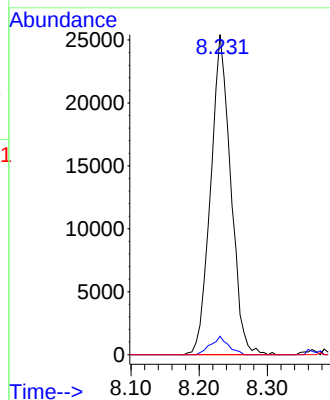
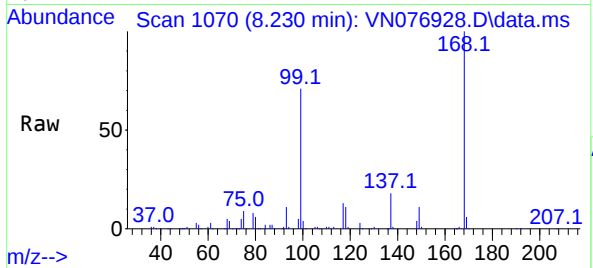




#38
Carbon Tetrachloride
Concen: 5.662 ug/l
RT: 8.230 min Scan# 1093
Delta R.T. -0.141 min
Lab File: VN076928.D
Acq: 10 Mar 2023 16:39

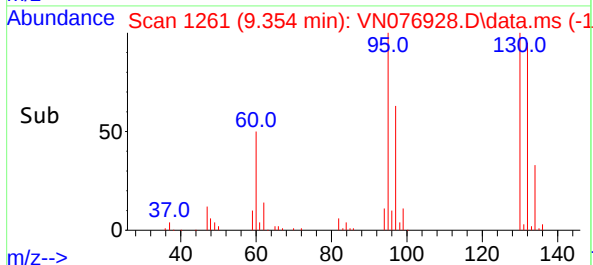
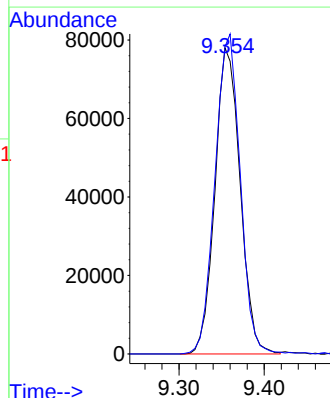
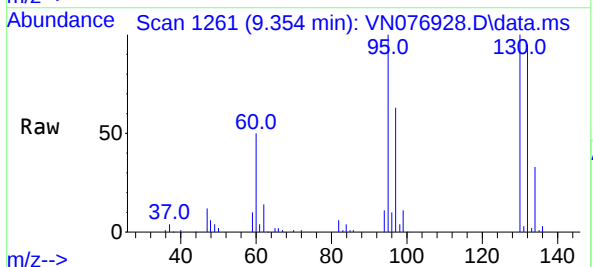
Instrument : MSVOA_N
ClientSampleId : RE132D4-20230306DL

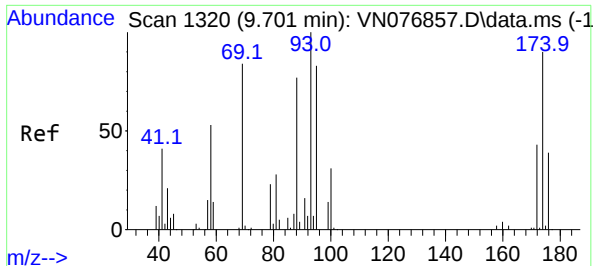
Tgt Ion:117 Resp: 52244
Ion Ratio Lower Upper
117 100
119 5.7 76.9 115.3#
121 0.0 23.2 34.8#



#44
Trichloroethene
Concen: 26.715 ug/l
RT: 9.354 min Scan# 1261
Delta R.T. -0.006 min
Lab File: VN076928.D
Acq: 10 Mar 2023 16:39

Tgt Ion:130 Resp: 160445
Ion Ratio Lower Upper
130 100
95 100.3 0.0 208.6





#49

1,4-Dioxane

Concen: 0.639 ug/l

RT: 9.701 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN076928.D

Acq: 10 Mar 2023 16:39

Instrument :

MSVOA_N

ClientSampleId :

RE132D4-20230306DL

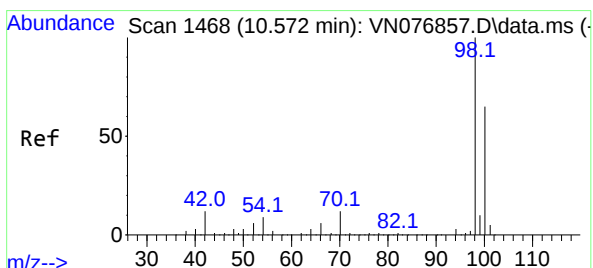
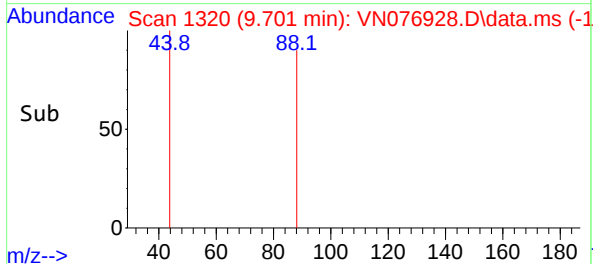
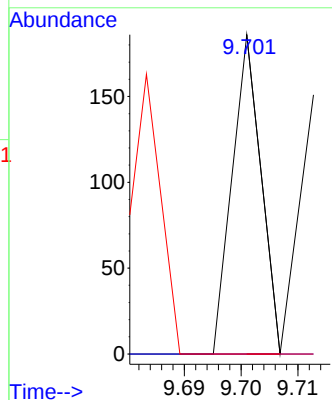
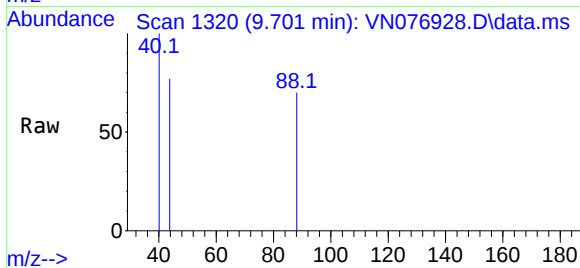
Tgt Ion: 88 Resp: 66

Ion Ratio Lower Upper

88 100

43 0.0 15.3 22.9#

58 86.4 47.6 71.4#



#50

Toluene-d8

Concen: 47.275 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VN076928.D

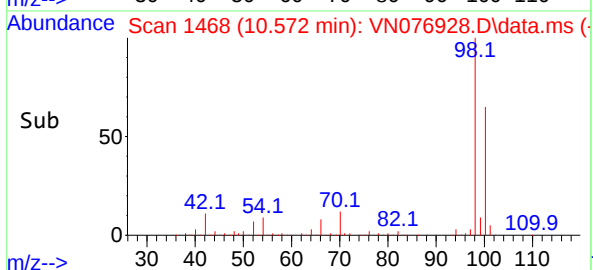
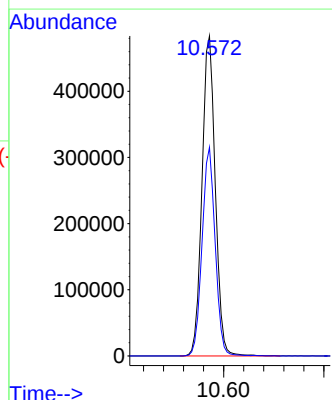
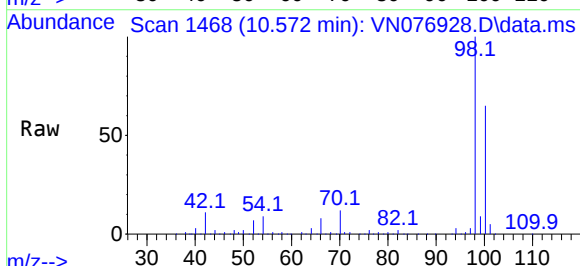
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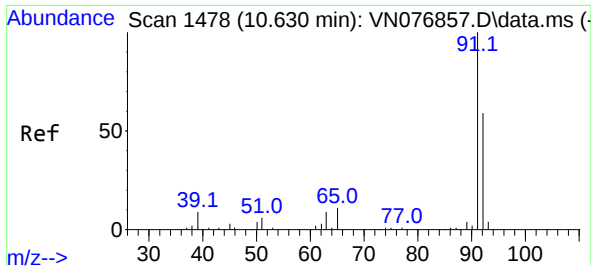
Tgt Ion: 98 Resp: 888165

Ion Ratio Lower Upper

98 100

100 64.4 52.8 79.2

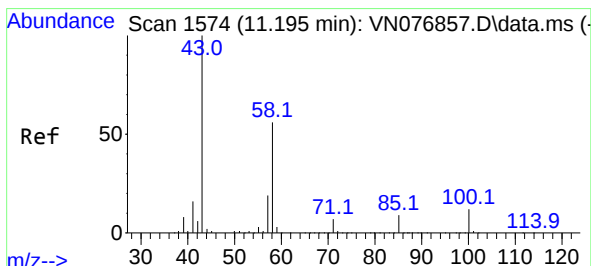
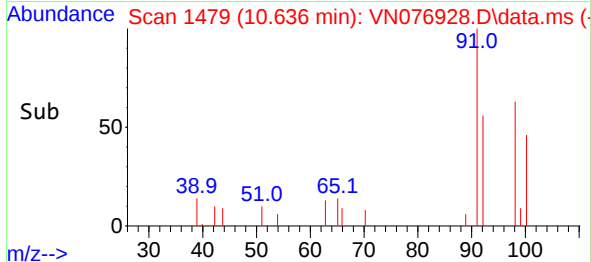
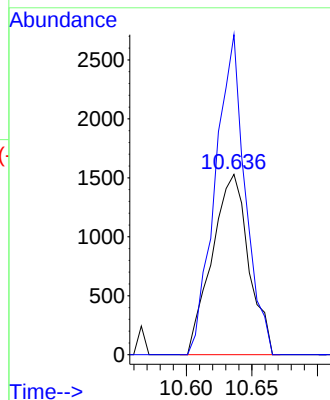
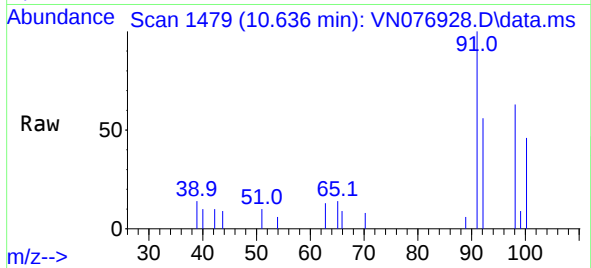




#52
Toluene
Concen: 0.209 ug/l
RT: 10.636 min Scan# 1478
Delta R.T. -0.000 min
Lab File: VN076928.D
Acq: 10 Mar 2023 16:39

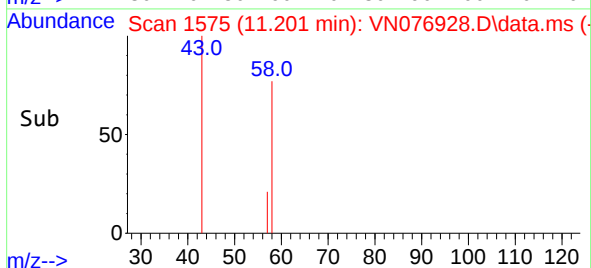
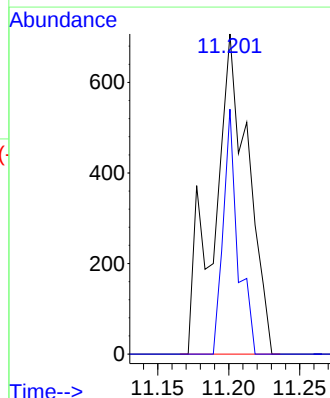
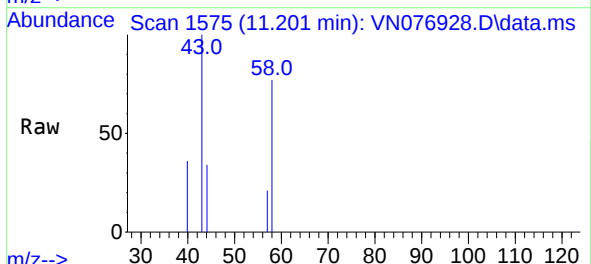
Instrument :
MSVOA_N
ClientSampleId :
RE132D4-20230306DL

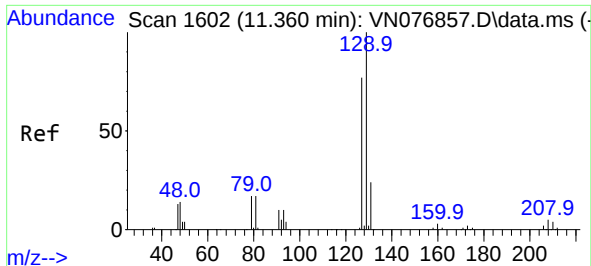
Tgt Ion: 92 Resp: 2983
Ion Ratio Lower Upper
92 100
91 144.9 138.2 207.2



#59
2-Hexanone
Concen: 0.240 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. 0.006 min
Lab File: VN076928.D
Acq: 10 Mar 2023 16:39

Tgt Ion: 43 Resp: 1171
Ion Ratio Lower Upper
43 100
58 33.0 32.6 98.0

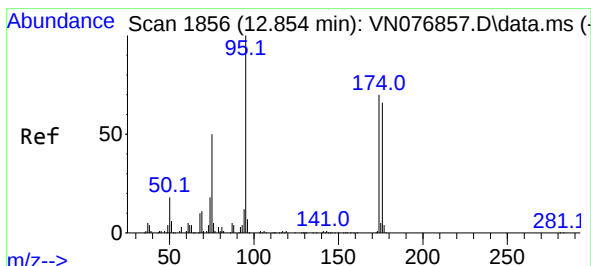
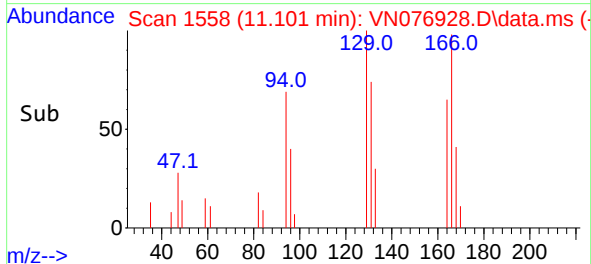
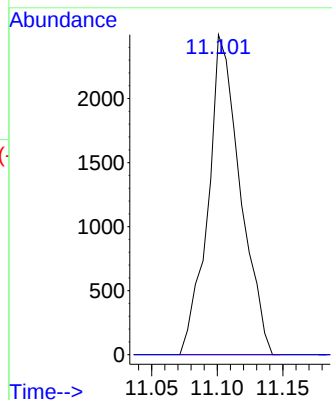
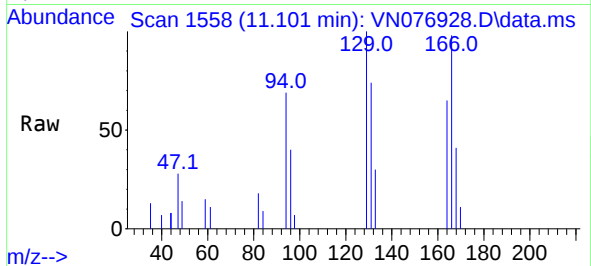




#60
Dibromochloromethane
Concen: 0.696 ug/l
RT: 11.101 min Scan# 11
Delta R.T. -0.259 min
Lab File: VN076928.D
Acq: 10 Mar 2023 16:39

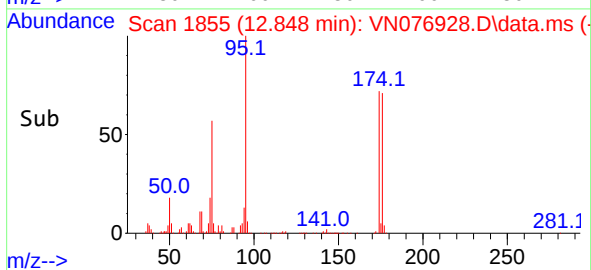
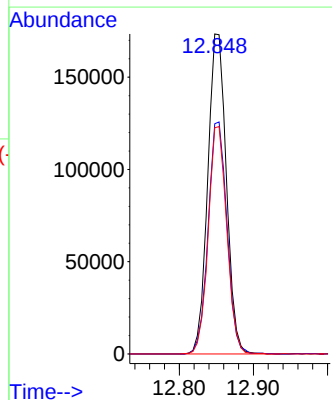
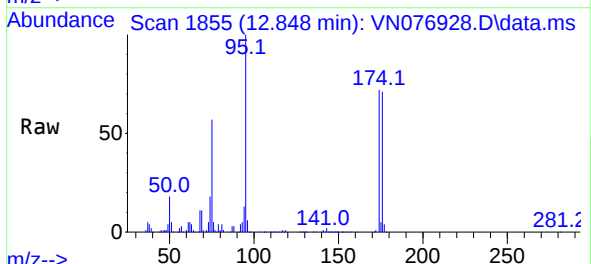
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ClientSampleId :
RE132D4-20230306DL

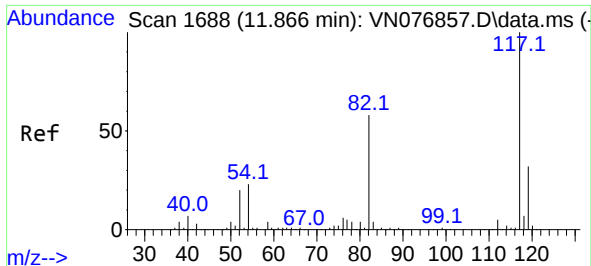
Tgt Ion:129 Resp: 4270
Ion Ratio Lower Upper
129 100
127 0.0 39.6 118.8#



#62
4-Bromofluorobenzene
Concen: 44.034 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.000 min
Lab File: VN076928.D
Acq: 10 Mar 2023 16:39

Tgt Ion: 95 Resp: 302592
Ion Ratio Lower Upper
95 100
174 73.4 0.0 162.4
176 70.5 0.0 157.4

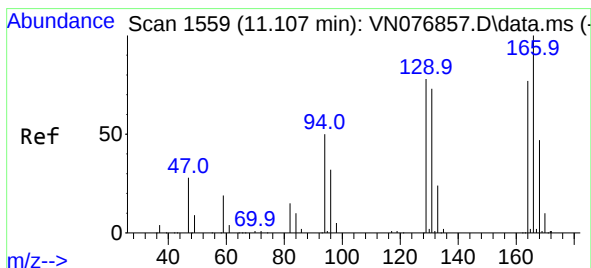
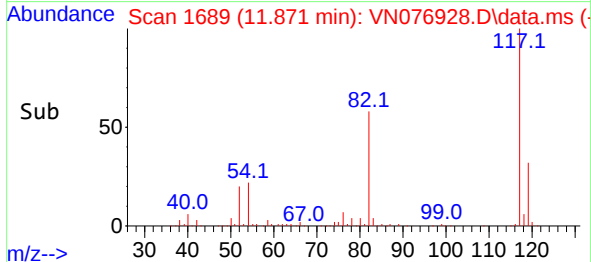
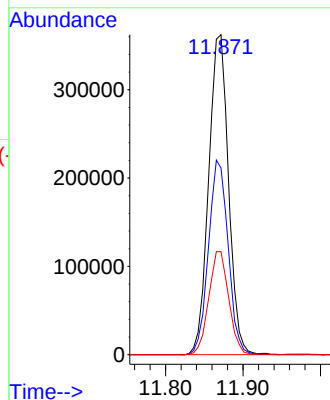
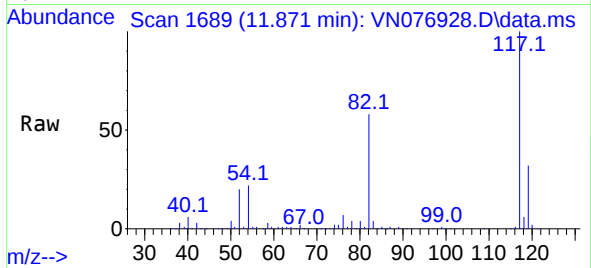




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN076928.D
Acq: 10 Mar 2023 16:39

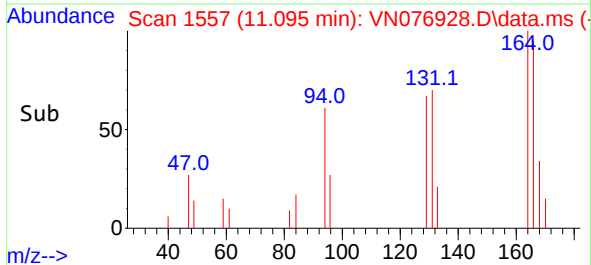
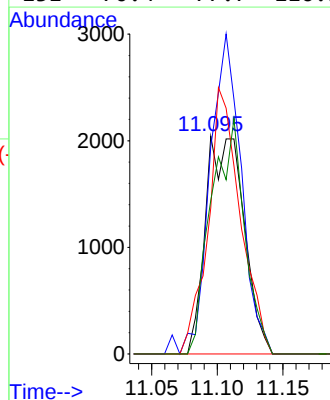
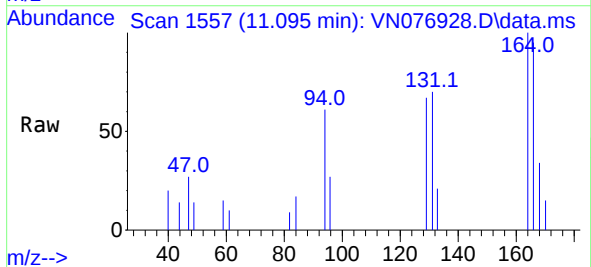
Instrument :
MSVOA_N
ClientSampleId :
RE132D4-20230306DL

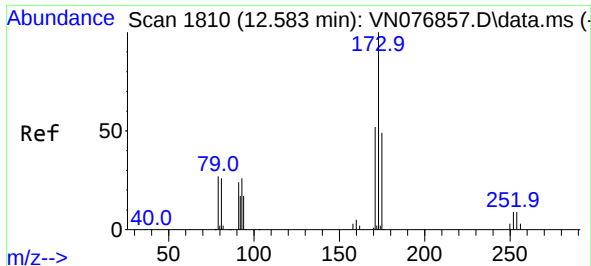
Tgt Ion:117 Resp: 645350
Ion Ratio Lower Upper
117 100
82 58.3 43.5 65.3
119 32.2 25.5 38.3



#64
Tetrachloroethene
Concen: 0.794 ug/l
RT: 11.095 min Scan# 1557
Delta R.T. -0.012 min
Lab File: VN076928.D
Acq: 10 Mar 2023 16:39

Tgt Ion:164 Resp: 4148
Ion Ratio Lower Upper
164 100
166 95.3 102.7 154.1#
129 67.1 81.5 122.3#
131 70.4 77.7 116.5#

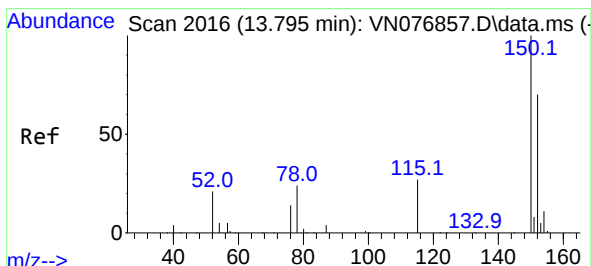
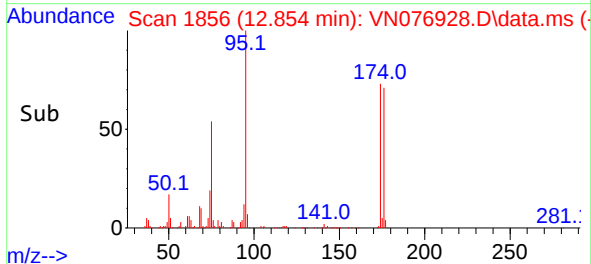
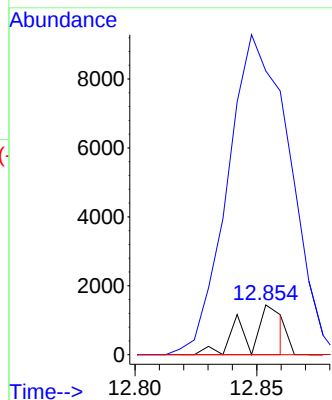
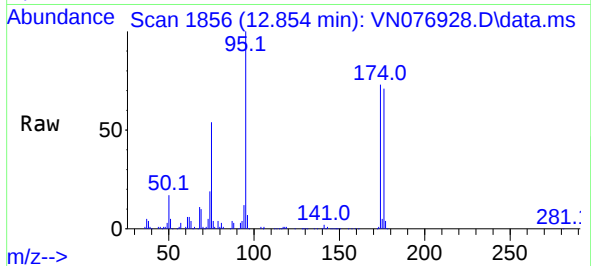




#71
Bromoform
Concen: 0.346 ug/l
RT: 12.854 min Scan# 1810
Delta R.T. 0.270 min
Lab File: VN076928.D
Acq: 10 Mar 2023 16:39

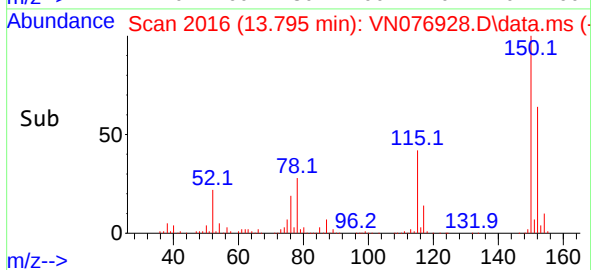
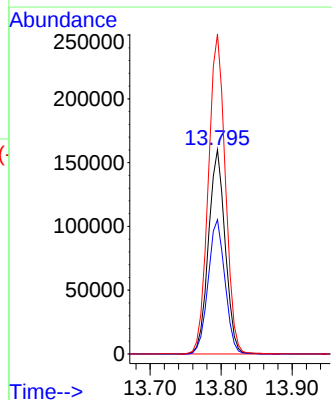
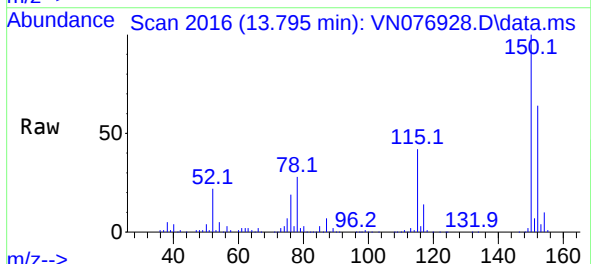
Instrument :
MSVOA_N
ClientSampleId :
RE132D4-20230306DL

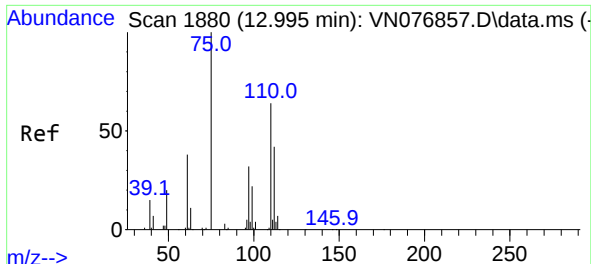
Tgt Ion:173 Resp: 1415
Ion Ratio Lower Upper
173 100
175 972.2 24.9 74.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN076928.D
Acq: 10 Mar 2023 16:39

Tgt Ion:152 Resp: 261671
Ion Ratio Lower Upper
152 100
115 66.2 30.3 90.9
150 159.6 0.0 353.6

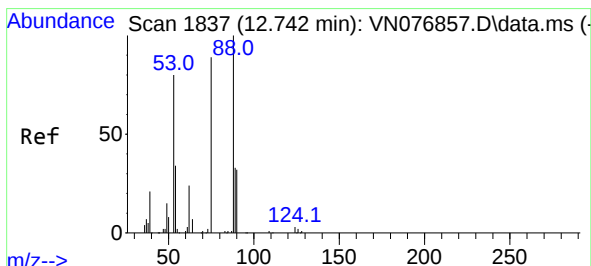
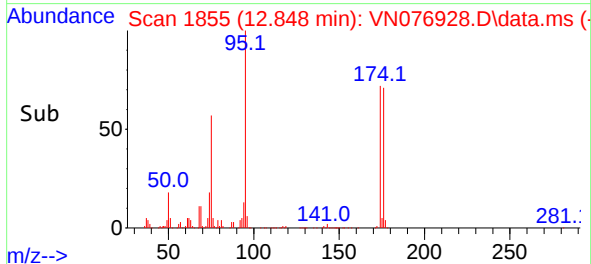
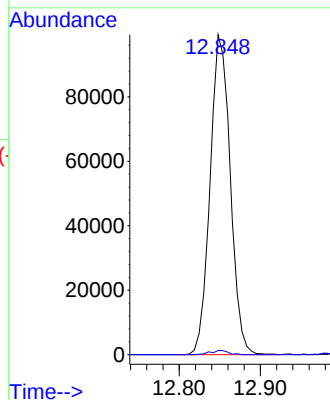
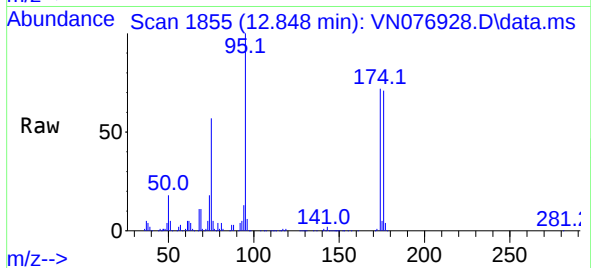




#76
1,2,3-Trichloropropane
Concen: 27.021 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.147 min
Lab File: VN076928.D
Acq: 10 Mar 2023 16:39

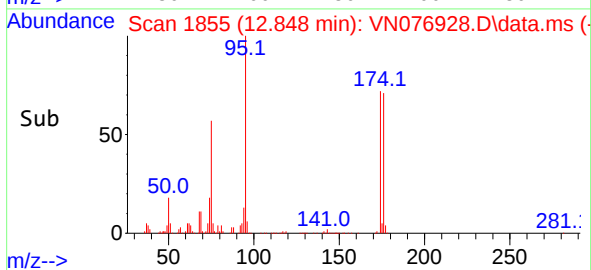
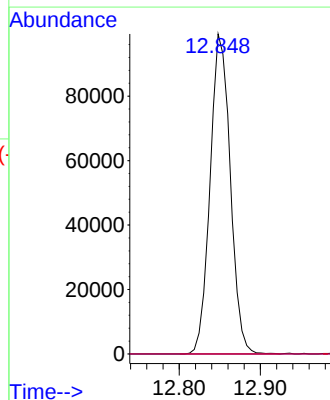
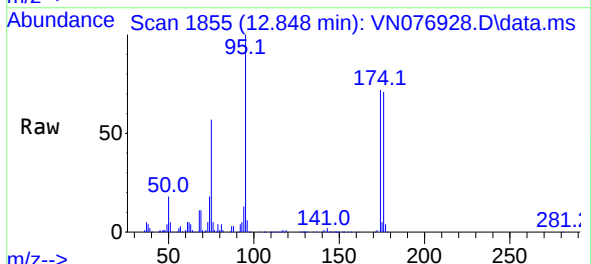
Instrument :
MSVOA_N
ClientSampleId :
RE132D4-20230306DL

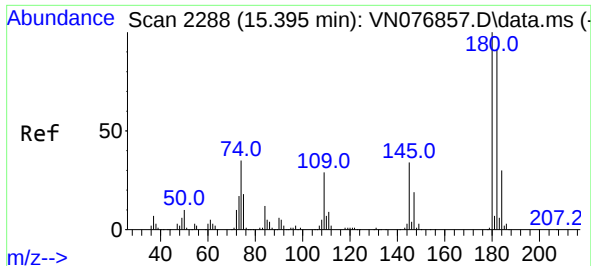
Tgt Ion: 75 Resp: 171422
Ion Ratio Lower Upper
75 100
77 1.2 93.8 281.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.264 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.106 min
Lab File: VN076928.D
Acq: 10 Mar 2023 16:39

Tgt Ion: 75 Resp: 171422
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.0#
89 0.0 39.5 59.3#

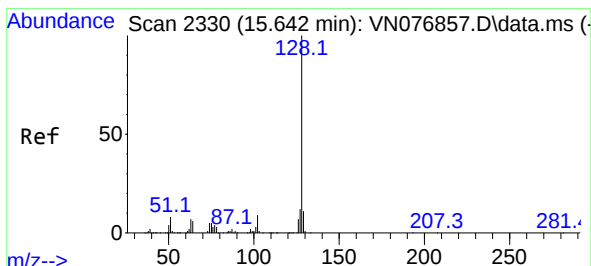
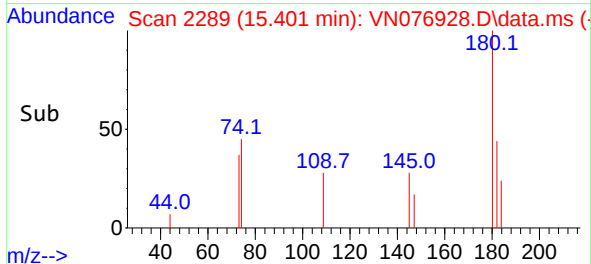
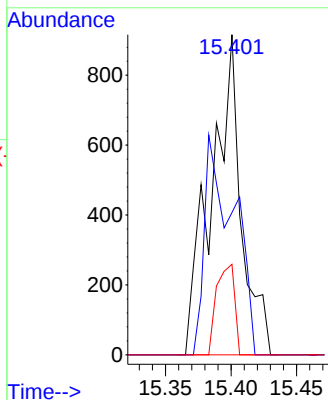
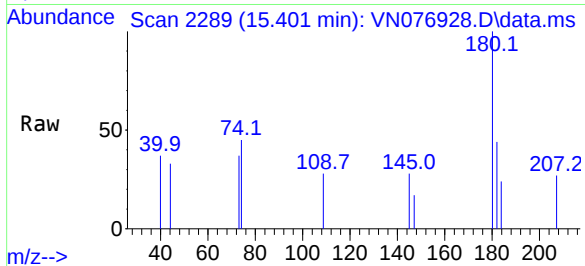




#93
1,2,4-Trichlorobenzene
Concen: 0.273 ug/l
RT: 15.401 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN076928.D
Acq: 10 Mar 2023 16:39

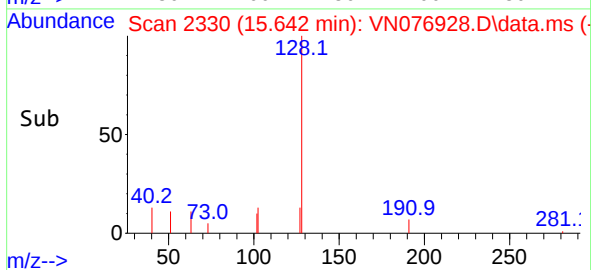
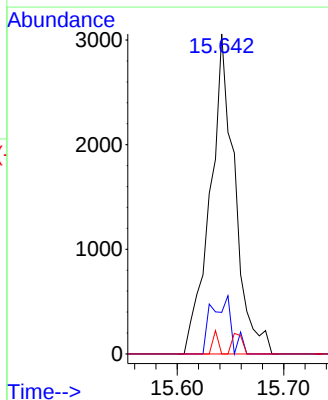
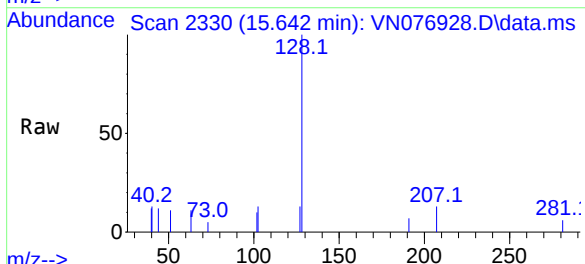
Instrument :
MSVOA_N
ClientSampleId :
RE132D4-20230306DL

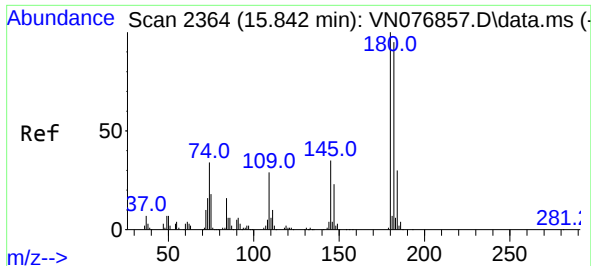
Tgt Ion:180 Resp: 1447
Ion Ratio Lower Upper
180 100
182 67.4 47.4 142.2
145 16.9 15.8 47.3



#95
Naphthalene
Concen: 0.311 ug/l
RT: 15.642 min Scan# 2330
Delta R.T. -0.000 min
Lab File: VN076928.D
Acq: 10 Mar 2023 16:39

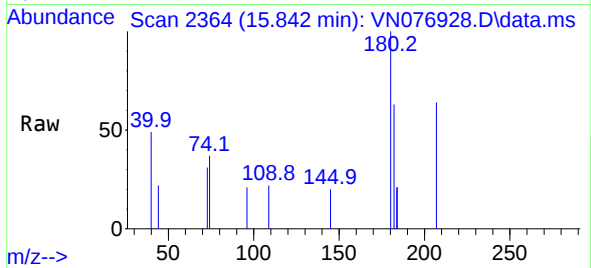
Tgt Ion:128 Resp: 4912
Ion Ratio Lower Upper
128 100
127 14.7 10.2 15.4
129 2.7 8.9 13.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.267 ug/l
 RT: 15.842 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN076928.D
 Acq: 10 Mar 2023 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D4-20230306DL



Tgt Ion:	180	Resp:	1374
Ion	Ratio	Lower	Upper
180	100		
182	82.5	47.7	143.1
145	20.1	17.0	51.0

