

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082522\
 Data File : VN074124.D
 Acq On : 25 Aug 2022 19:17
 Operator : JC\MD
 Sample : N4280-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE103D1-20220818

Quant Time: Aug 26 02:05:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 00:45:21 2022
 Response via : Initial Calibration

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

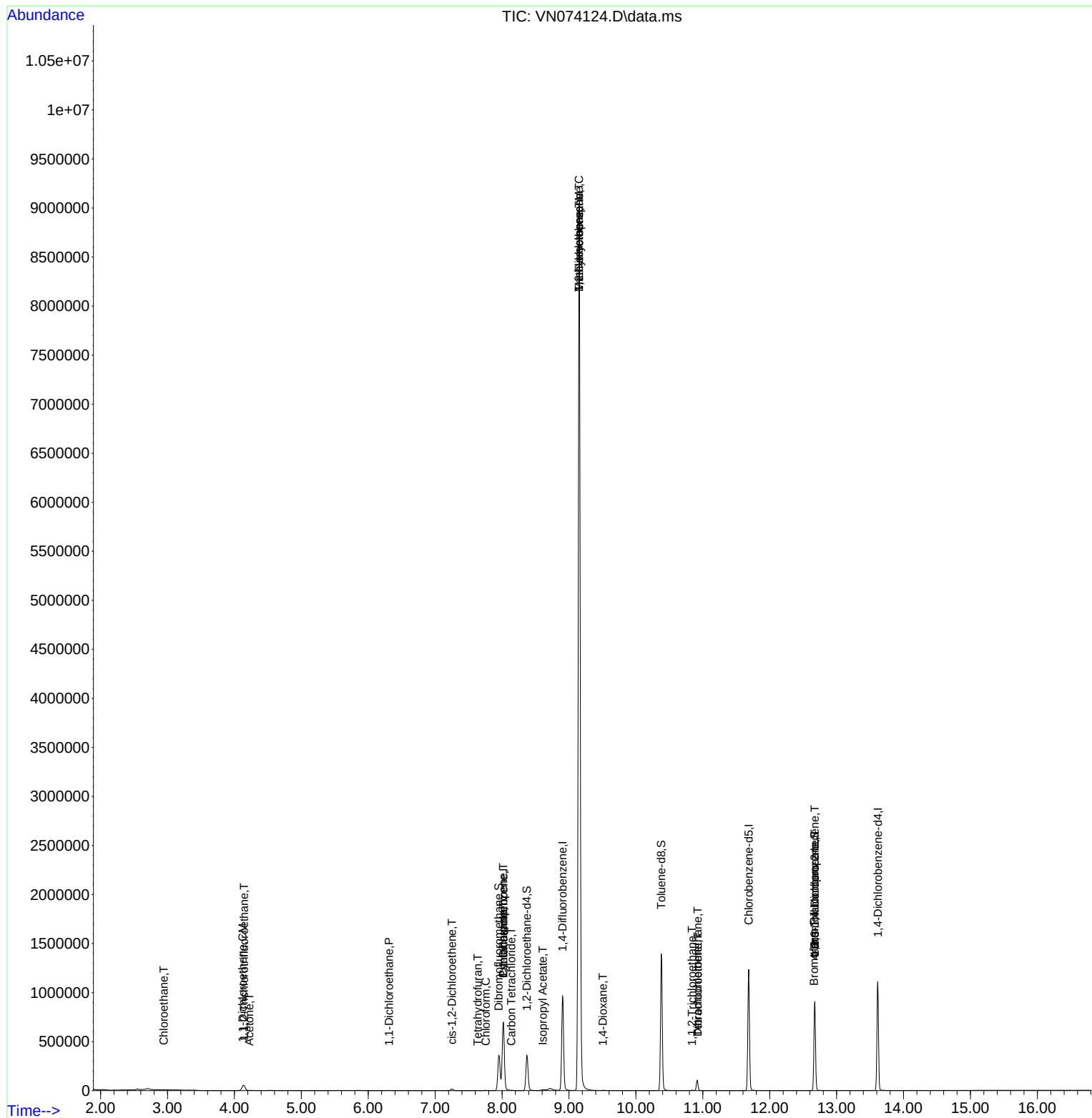
Internal Standards						
1) Pentafluorobenzene	8.022	168	585675	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	898754	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	753582	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	327938	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	306712	53.767	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	107.540%
35) Dibromofluoromethane	7.951	113	270925	50.972	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.940%
50) Toluene-d8	10.380	98	1005187	48.831	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.660%
62) 4-Bromofluorobenzene	12.668	95	310615	45.466	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.940%
Target Compounds						
						Qvalue
6) Chloroethane	2.945	64	1657	0.354	ug/l #	42
9) 1,1,2-Trichlorotrifluo...	4.145	101	32074	6.456	ug/l	96
12) 1,1-Dichloroethene	4.122	96	8399	1.817	ug/l #	78
16) Acetone	4.222	43	1019	0.379	ug/l #	42
18) Methyl Acetate	4.798	43	3285	Below Cal	#	68
24) 1,1-Dichloroethane	6.310	63	3746	0.415	ug/l #	85
27) cis-1,2-Dichloroethene	7.251	96	11012	1.753	ug/l	81
29) Tetrahydrofuran	7.633	42	968	0.354	ug/l #	39
30) Chloroform	7.757	83	3620	0.358	ug/l #	74
31) Cyclohexane	8.016	56	9608	1.208	ug/l #	1
36) 1,1-Dichloropropene	8.016	75	39906	5.405	ug/l #	48
38) Carbon Tetrachloride	8.139	117	2559	0.303	ug/l #	77
39) Methylcyclohexane	9.151	83	39556	4.276	ug/l #	1
43) Isopropyl Acetate	8.610	43	8675	0.681	ug/l #	53
44) Trichloroethene	9.151	130	3541780	526.279	ug/l	99
45) 1,2-Dichloropropane	9.151	63	7252	1.299	ug/l #	1
49) 1,4-Dioxane	9.504	88	1348	8.315	ug/l #	26
55) 1,1,2-Trichloroethane	10.839	97	1894	0.305	ug/l #	67
60) Dibromochloromethane	10.921	129	22496	3.273	ug/l #	11
64) Tetrachloroethene	10.921	164	26381	4.435	ug/l	92
71) Bromoform	12.662	173	1409	0.260	ug/l #	1
76) 1,2,3-Trichloropropane	12.674	75	154333	22.642	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	154333	64.399	ug/l #	11

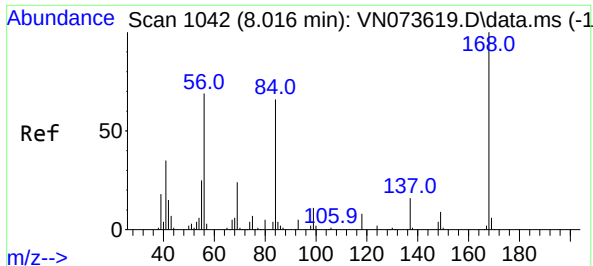
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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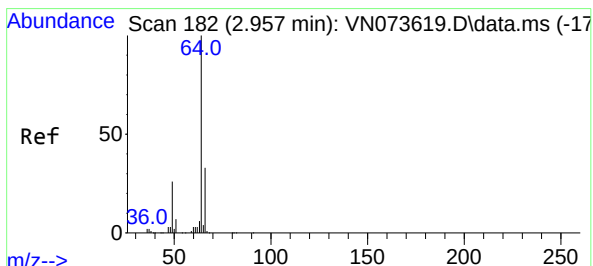
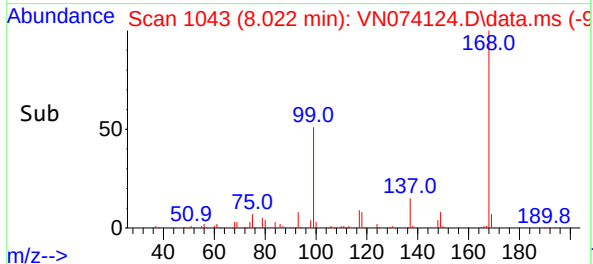
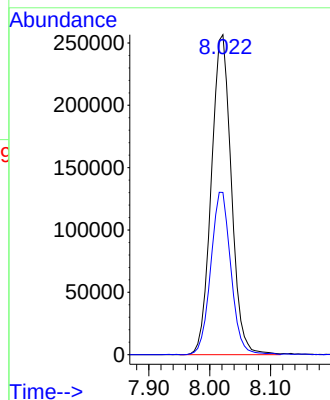
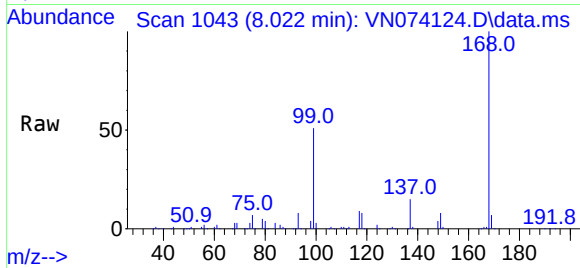




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VN074124.D
Acq: 25 Aug 2022 19:17

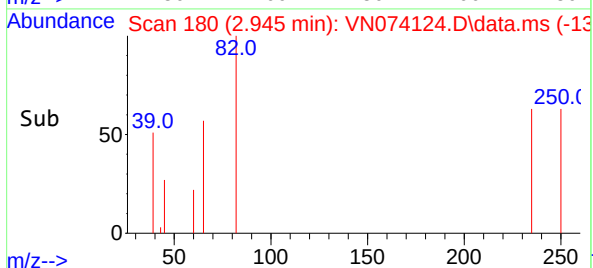
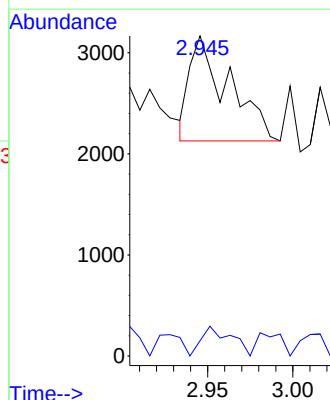
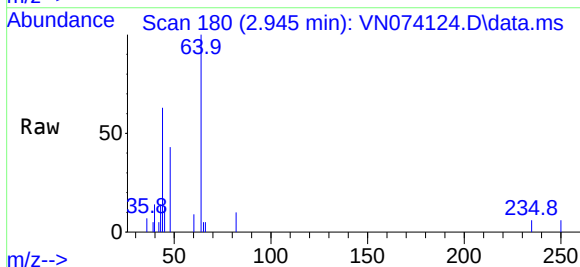
Instrument :
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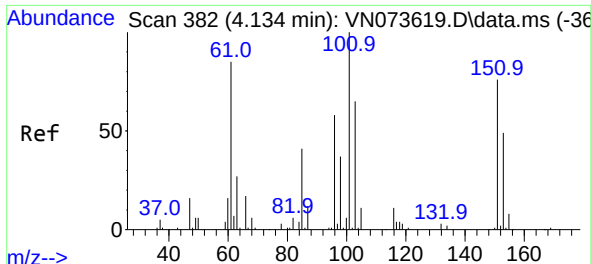
Tgt Ion:168 Resp: 585675
Ion Ratio Lower Upper
168 100
99 50.7 42.3 63.5



#6
Chloroethane
Concen: 0.354 ug/l
RT: 2.945 min Scan# 180
Delta R.T. -0.012 min
Lab File: VN074124.D
Acq: 25 Aug 2022 19:17

Tgt Ion: 64 Resp: 1657
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

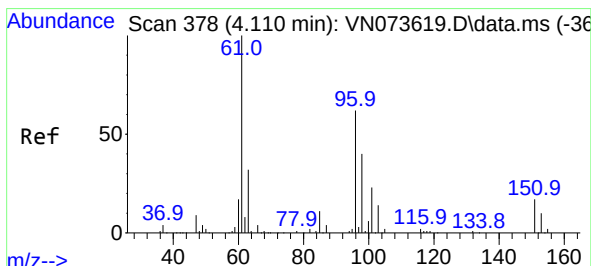
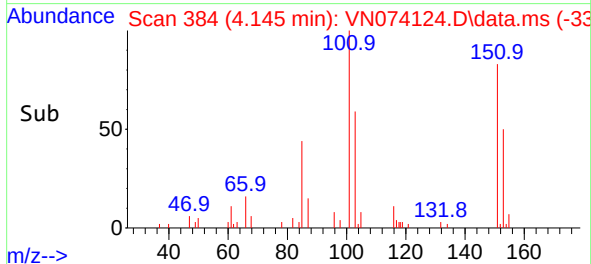
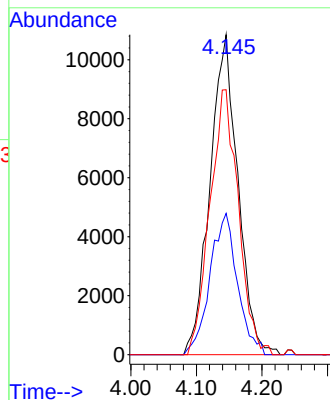
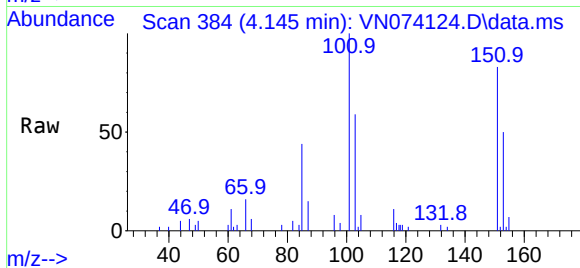




#9
1,1,2-Trichlorotrifluoroethane
Concen: 6.456 ug/l
RT: 4.145 min Scan# 382
Delta R.T. 0.011 min
Lab File: VN074124.D
Acq: 25 Aug 2022 19:17

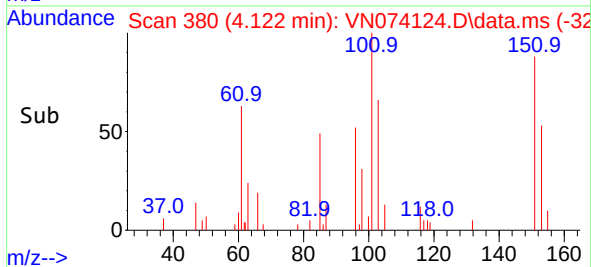
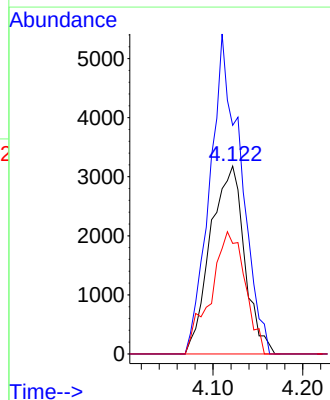
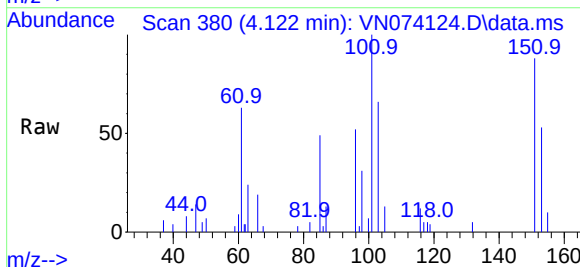
Instrument :
MSVOA_N
ClientSampleId :
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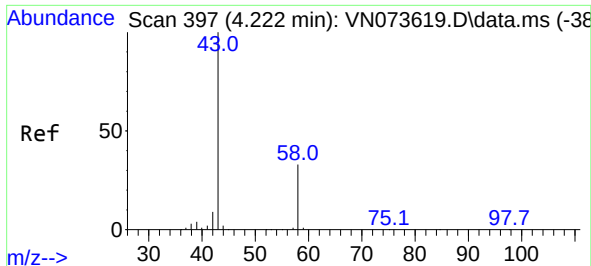
Tgt Ion:	101	Resp:	32074
Ion	Ratio	Lower	Upper
101	100		
85	43.5	34.7	52.1
151	84.5	63.0	94.4



#12
1,1-Dichloroethene
Concen: 1.817 ug/l
RT: 4.122 min Scan# 380
Delta R.T. 0.012 min
Lab File: VN074124.D
Acq: 25 Aug 2022 19:17

Tgt Ion:	96	Resp:	8399
Ion	Ratio	Lower	Upper
96	100		
61	121.7	127.6	191.4#
98	58.9	51.2	76.8

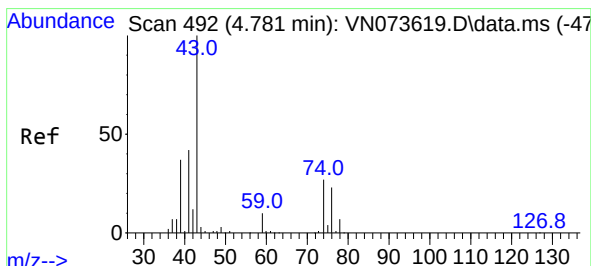
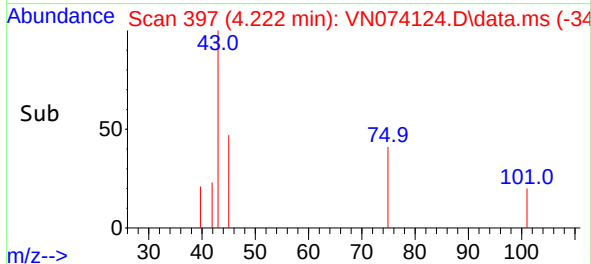
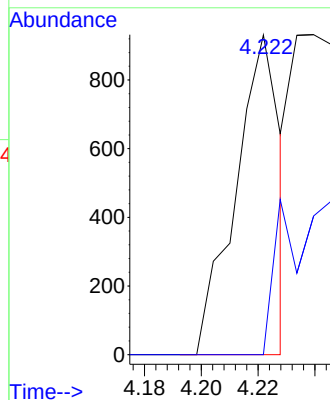
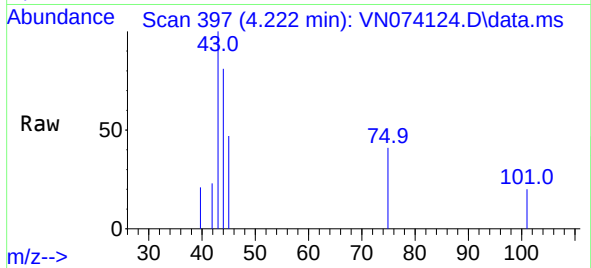




#16
Acetone
Concen: 0.379 ug/l
RT: 4.222 min Scan# 397
Delta R.T. -0.000 min
Lab File: VN074124.D
Acq: 25 Aug 2022 19:17

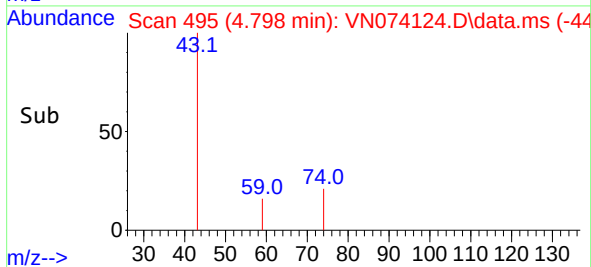
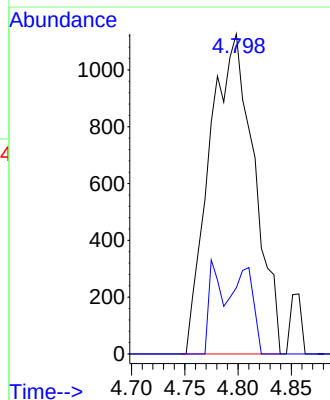
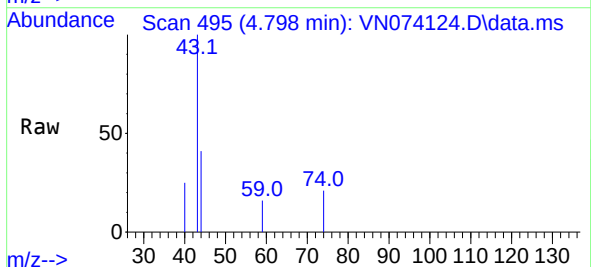
Instrument :
MSVOA_N
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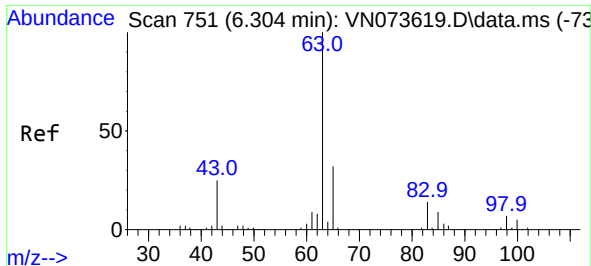
Tgt Ion: 43 Resp: 1019
Ion Ratio Lower Upper
43 100
58 0.0 26.0 39.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.798 min Scan# 495
Delta R.T. 0.017 min
Lab File: VN074124.D
Acq: 25 Aug 2022 19:17

Tgt Ion: 43 Resp: 3285
Ion Ratio Lower Upper
43 100
74 10.6 21.6 32.4#

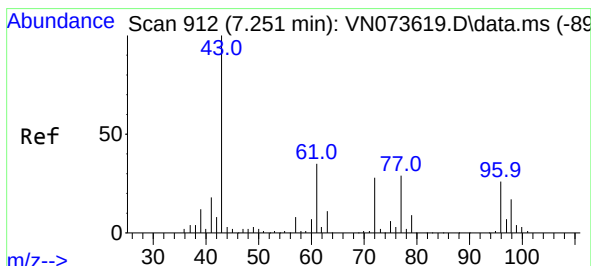
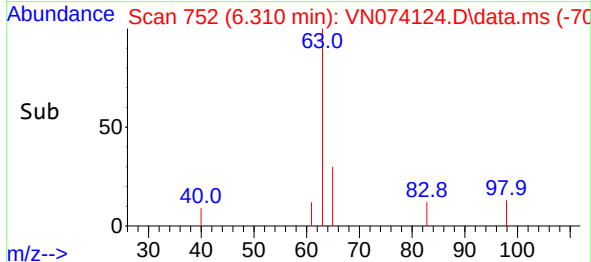
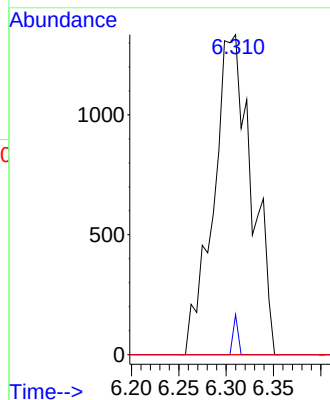
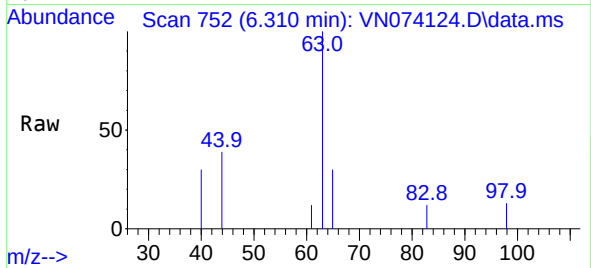




#24
1,1-Dichloroethane
Concen: 0.415 ug/l
RT: 6.310 min Scan# 751
Delta R.T. 0.006 min
Lab File: VN074124.D
Acq: 25 Aug 2022 19:17

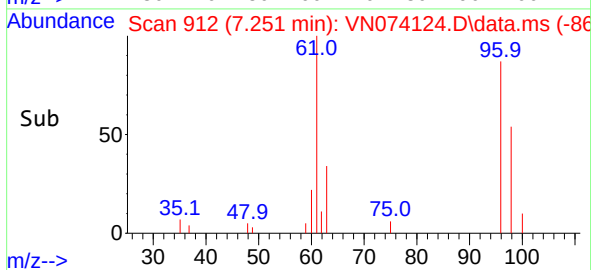
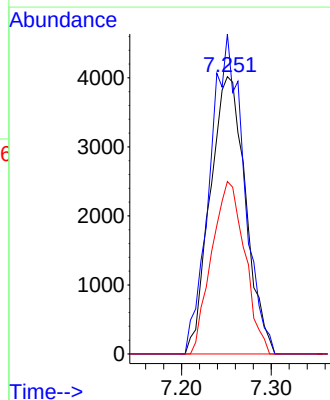
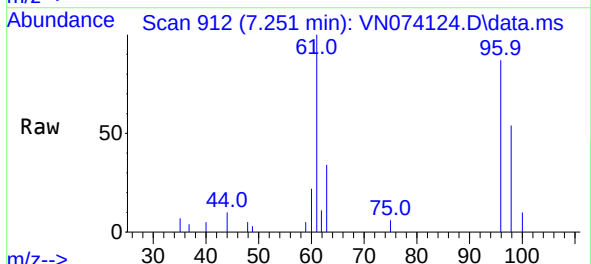
Instrument :
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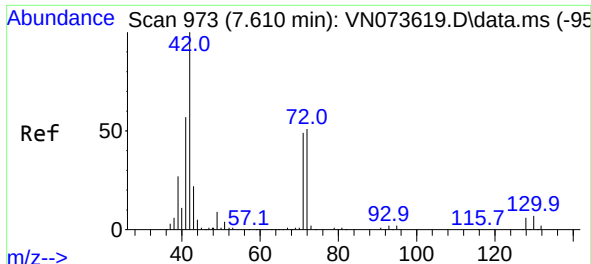
Tgt Ion: 63 Resp: 3746
Ion Ratio Lower Upper
63 100
98 12.5 3.5 10.4#
100 0.0 2.3 6.8#



#27
cis-1,2-Dichloroethene
Concen: 1.753 ug/l
RT: 7.251 min Scan# 912
Delta R.T. 0.000 min
Lab File: VN074124.D
Acq: 25 Aug 2022 19:17

Tgt Ion: 96 Resp: 11012
Ion Ratio Lower Upper
96 100
61 110.6 0.0 280.6
98 58.2 0.0 128.4





#29

Tetrahydrofuran

Concen: 0.354 ug/l

RT: 7.633 min Scan# 91

Delta R.T. 0.023 min

Lab File: VN074124.D

Acq: 25 Aug 2022 19:17

Instrument :

MSVOA_N

ClientSampleId :

RE103D1-20220818

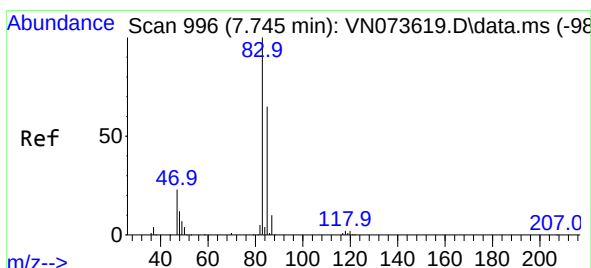
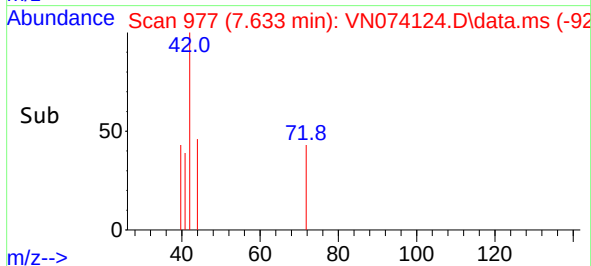
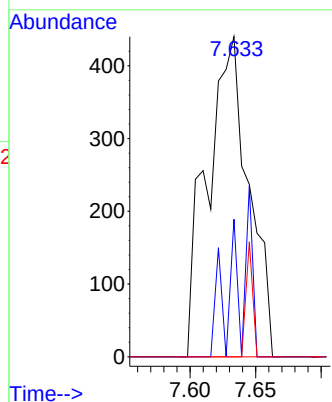
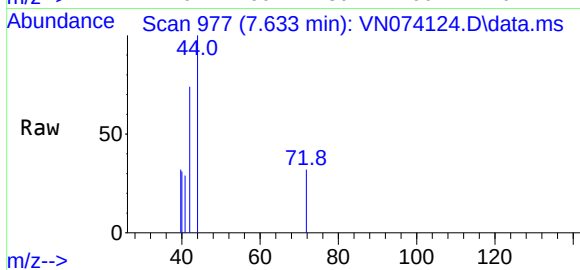
Tgt Ion: 42 Resp: 968

Ion Ratio Lower Upper

42 100

72 6.9 39.7 59.5#

71 5.8 36.6 55.0#



#30

Chloroform

Concen: 0.358 ug/l

RT: 7.757 min Scan# 998

Delta R.T. 0.012 min

Lab File: VN074124.D

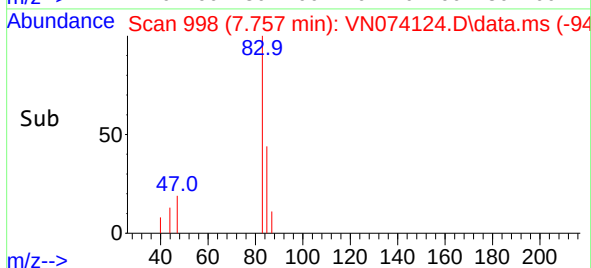
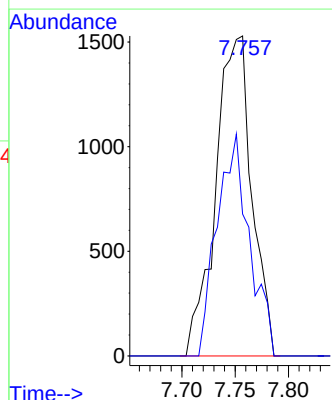
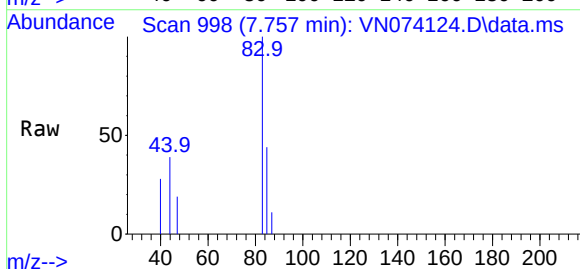
Acq: 25 Aug 2022 19:17

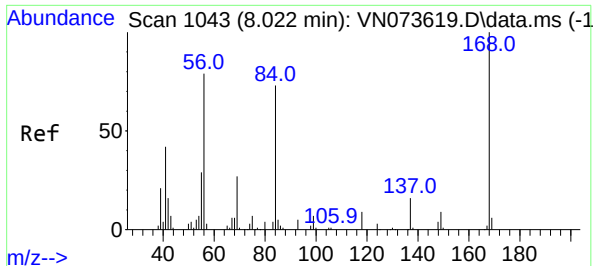
Tgt Ion: 83 Resp: 3620

Ion Ratio Lower Upper

83 100

85 44.3 51.8 77.8#

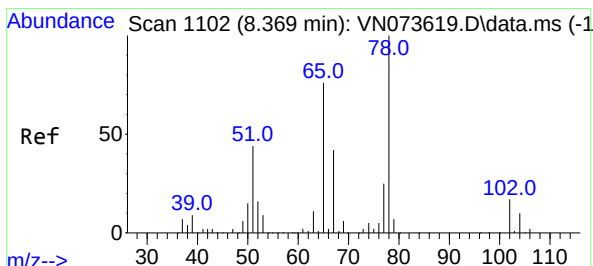
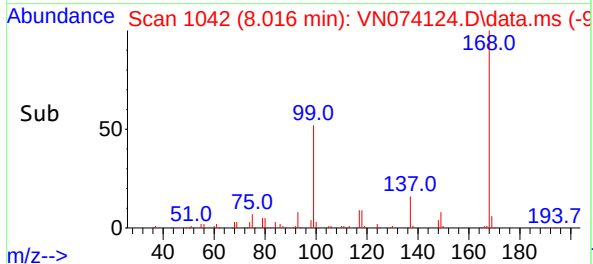
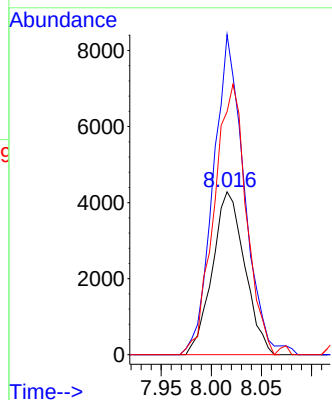
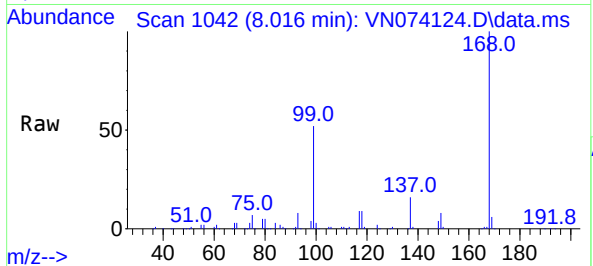




#31
Cyclohexane
Concen: 1.208 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN074124.D
Acq: 25 Aug 2022 19:17

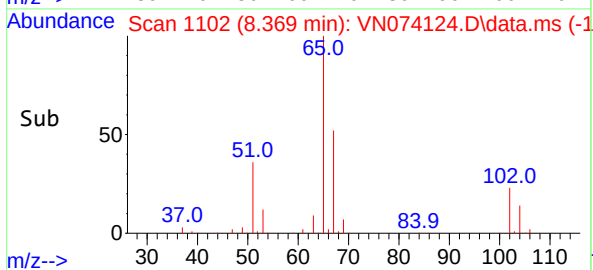
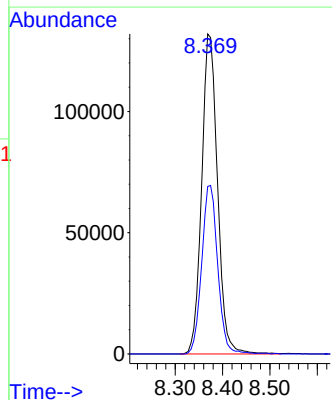
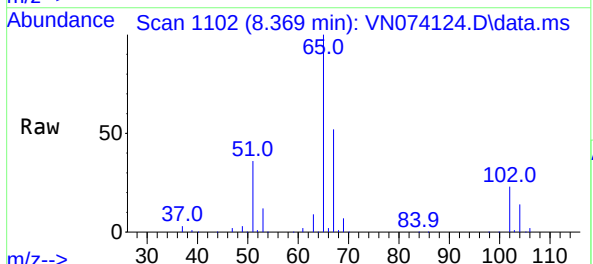
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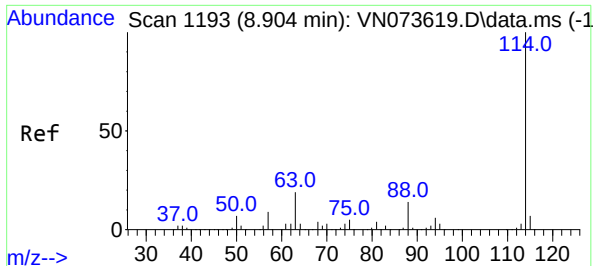
Tgt Ion: 56 Resp: 9608
Ion Ratio Lower Upper
56 100
69 196.4 27.8 41.8#
84 149.2 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 53.767 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074124.D
Acq: 25 Aug 2022 19:17

Tgt Ion: 65 Resp: 306712
Ion Ratio Lower Upper
65 100
67 53.1 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VN074124.D

Acq: 25 Aug 2022 19:17

Instrument :

MSVOA_N

ClientSampleId :

RE103D1-20220818

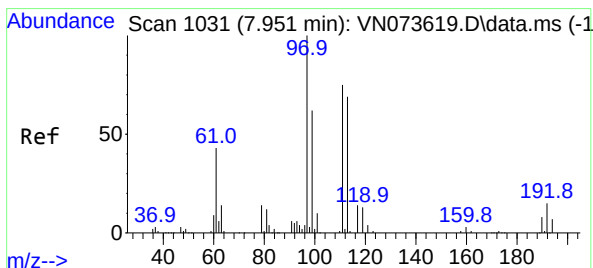
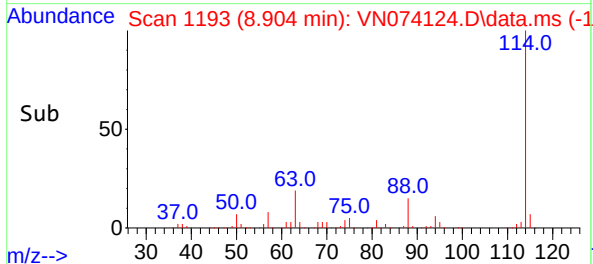
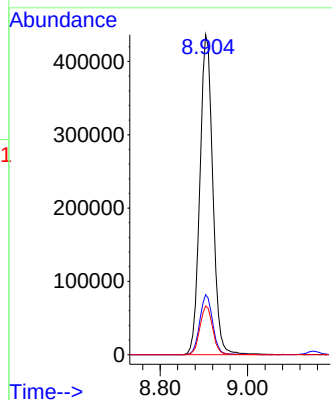
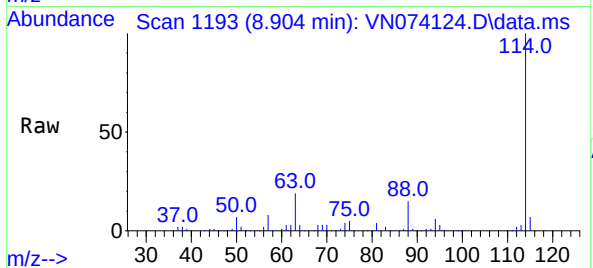
Tgt Ion:114 Resp: 898754

Ion Ratio Lower Upper

114 100

63 18.7 0.0 40.0

88 15.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.972 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074124.D

Acq: 25 Aug 2022 19:17

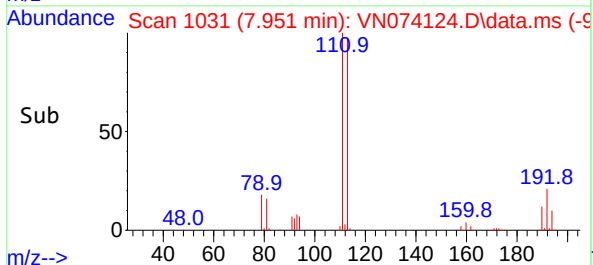
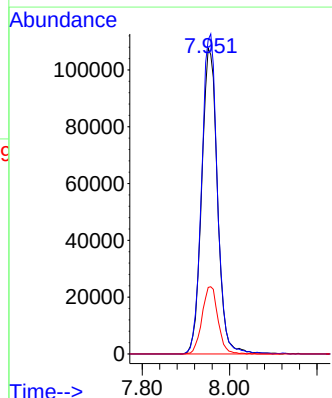
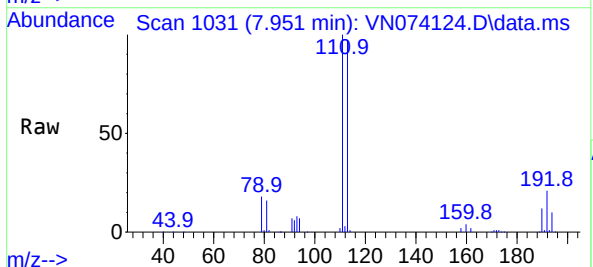
Tgt Ion:113 Resp: 270925

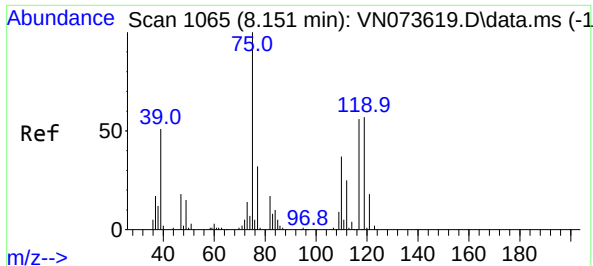
Ion Ratio Lower Upper

113 100

111 103.6 81.4 122.0

192 22.1 17.0 25.6

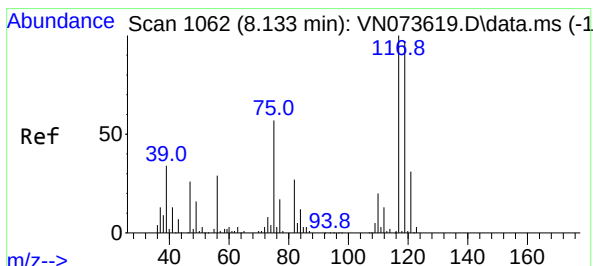
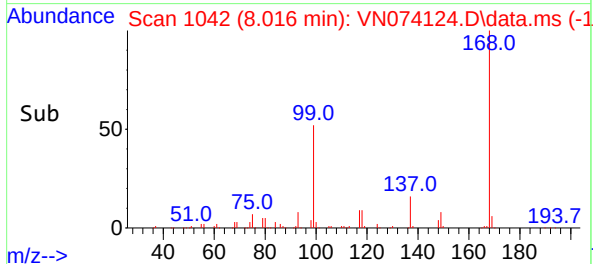
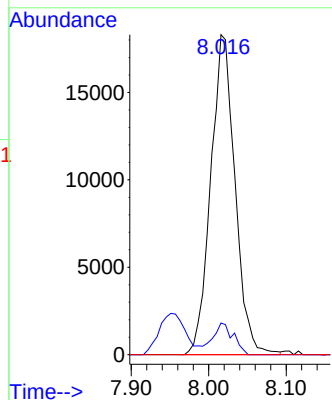
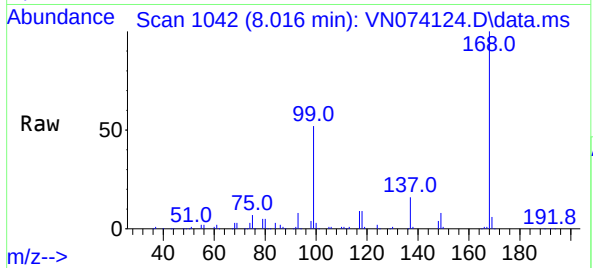




#36
1,1-Dichloropropene
Concen: 5.405 ug/l
RT: 8.016 min Scan# 1065
Delta R.T. -0.135 min
Lab File: VN074124.D
Acq: 25 Aug 2022 19:17

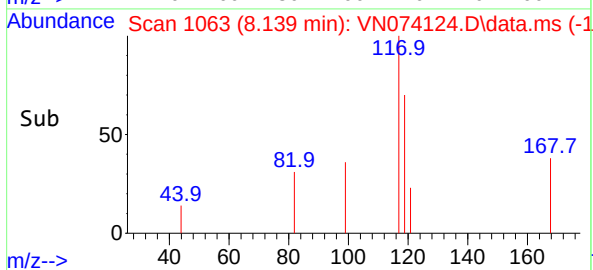
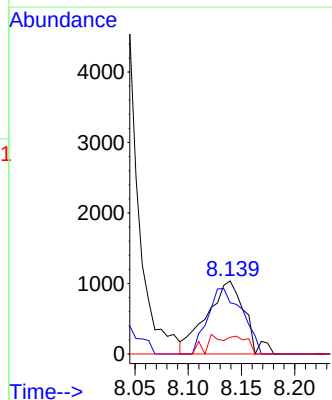
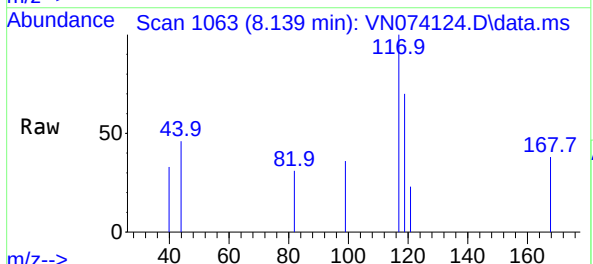
Instrument :
MSVOA_N
ClientSampleId :
RE103D1-20220818

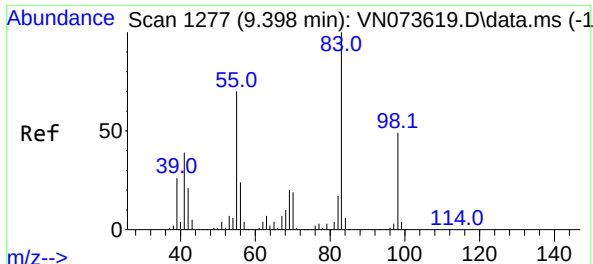
Tgt Ion: 75 Resp: 39906
Ion Ratio Lower Upper
75 100
110 8.3 18.3 54.8#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 0.303 ug/l
RT: 8.139 min Scan# 1063
Delta R.T. 0.006 min
Lab File: VN074124.D
Acq: 25 Aug 2022 19:17

Tgt Ion: 117 Resp: 2559
Ion Ratio Lower Upper
117 100
119 70.2 75.8 113.8#
121 22.9 24.6 37.0#





#39

Methylcyclohexane

Concen: 4.276 ug/l

RT: 9.151 min Scan# 1143

Delta R.T. -0.247 min

Lab File: VN074124.D

Acq: 25 Aug 2022 19:17

Instrument :

MSVOA_N

ClientSampleId :

RE103D1-20220818

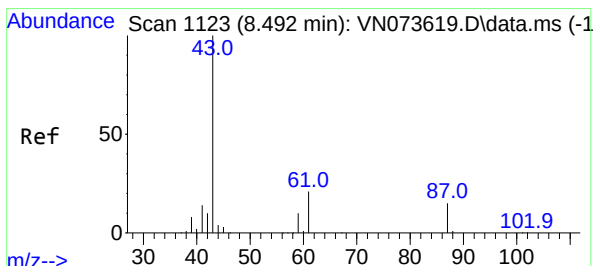
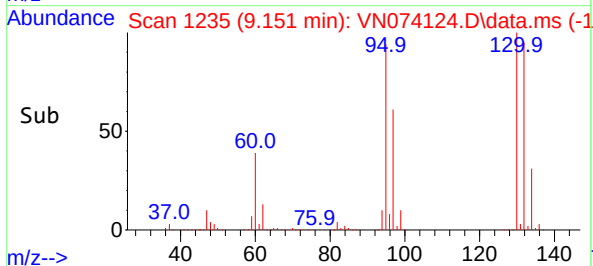
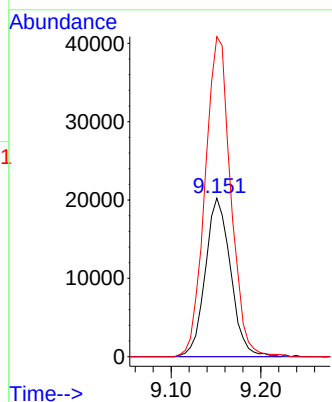
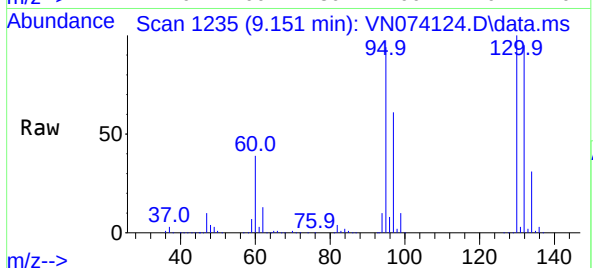
Tgt Ion: 83 Resp: 39556

Ion Ratio Lower Upper

83 100

55 0.0 57.8 86.8#

98 200.4 39.4 59.2#



#43

Isopropyl Acetate

Concen: 0.681 ug/l

RT: 8.610 min Scan# 1143

Delta R.T. 0.118 min

Lab File: VN074124.D

Acq: 25 Aug 2022 19:17

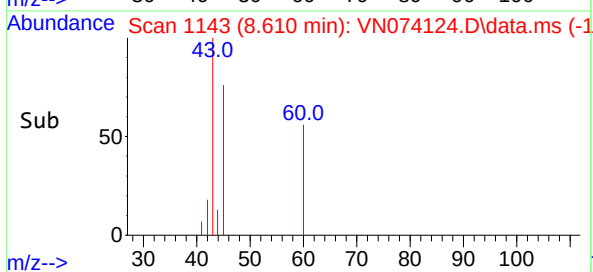
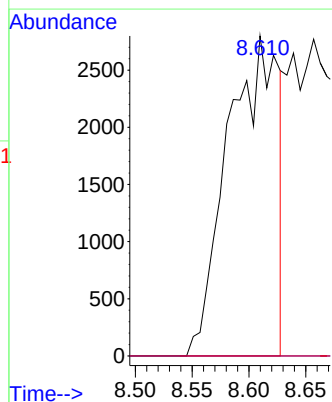
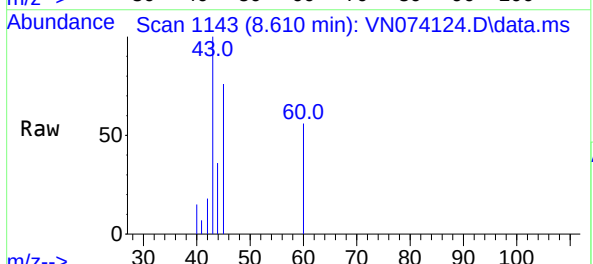
Tgt Ion: 43 Resp: 8675

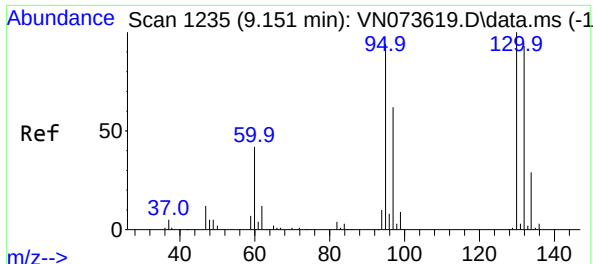
Ion Ratio Lower Upper

43 100

61 0.0 21.9 32.9#

87 0.0 12.0 18.0#

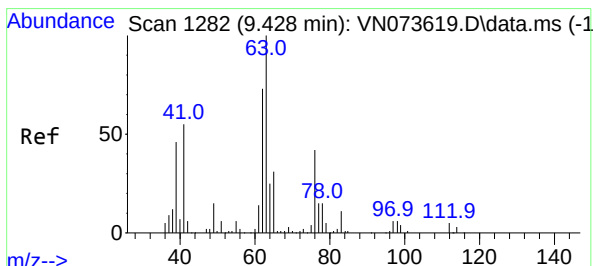
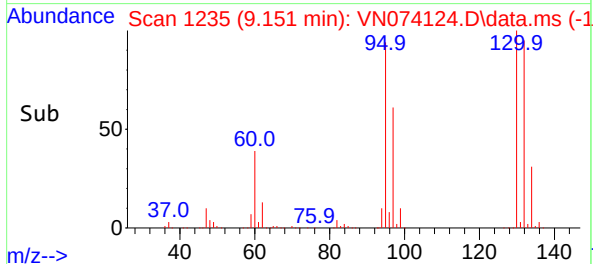
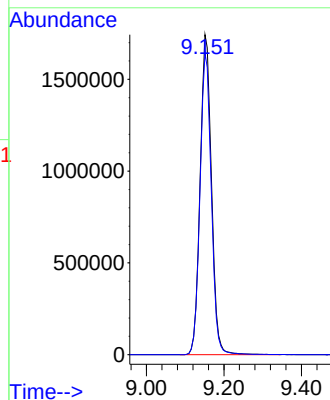
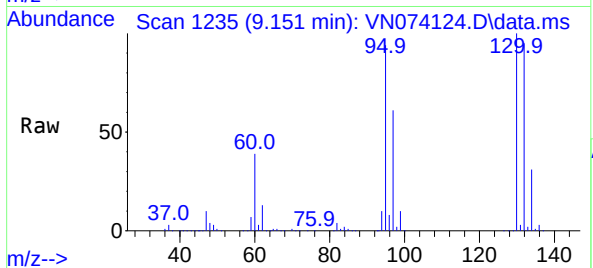




#44
Trichloroethene
Concen: 526.279 ug/l
RT: 9.151 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN074124.D
Acq: 25 Aug 2022 19:17

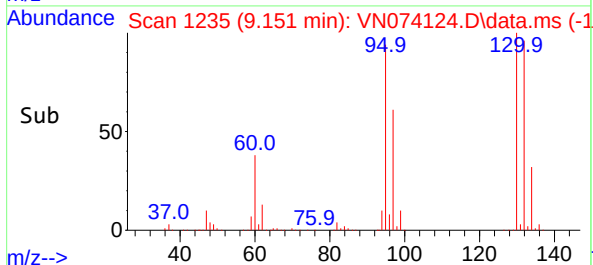
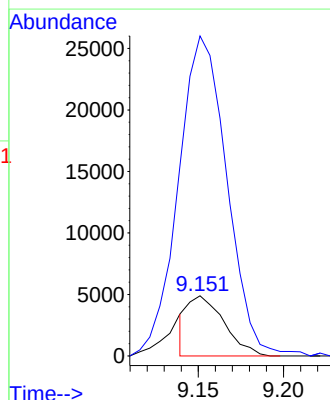
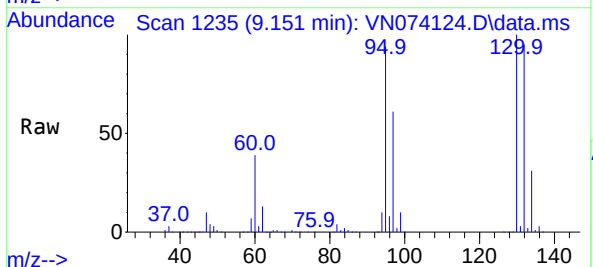
Instrument :
MSVOA_N
ClientSampleId :
RE103D1-20220818

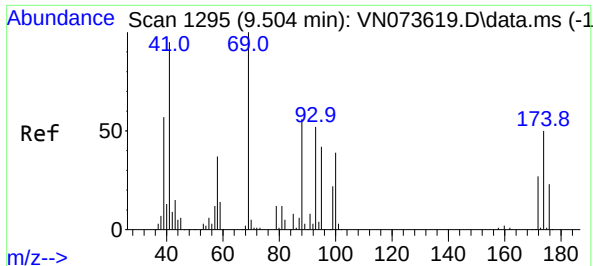
Tgt Ion:130 Resp: 3541780
Ion Ratio Lower Upper
130 100
95 94.3 0.0 186.8



#45
1,2-Dichloropropane
Concen: 1.299 ug/l
RT: 9.151 min Scan# 1235
Delta R.T. -0.277 min
Lab File: VN074124.D
Acq: 25 Aug 2022 19:17

Tgt Ion: 63 Resp: 7252
Ion Ratio Lower Upper
63 100
65 524.5 24.9 37.3#

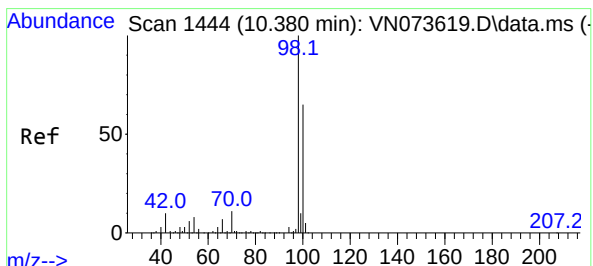
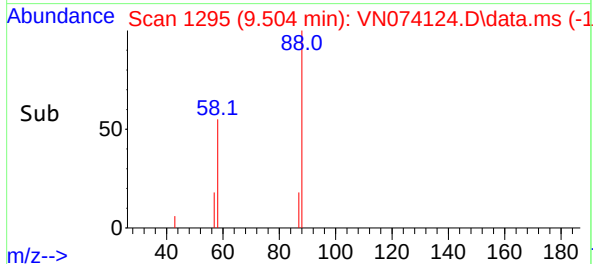
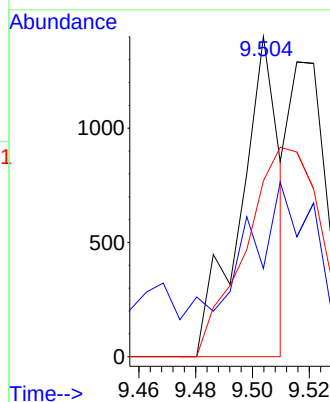
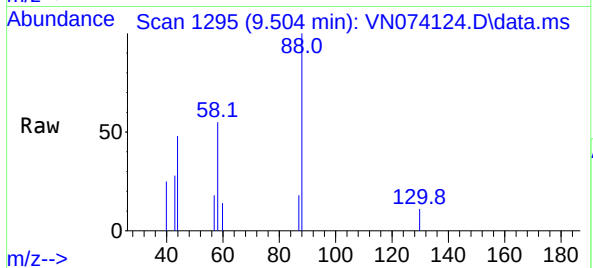




#49
1,4-Dioxane
Concen: 8.315 ug/l
RT: 9.504 min Scan# 1295
Delta R.T. -0.000 min
Lab File: VN074124.D
Acq: 25 Aug 2022 19:17

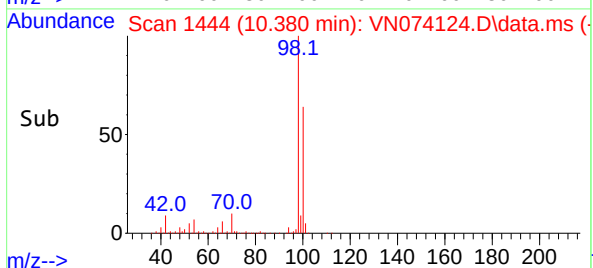
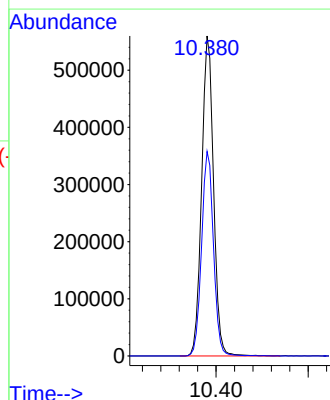
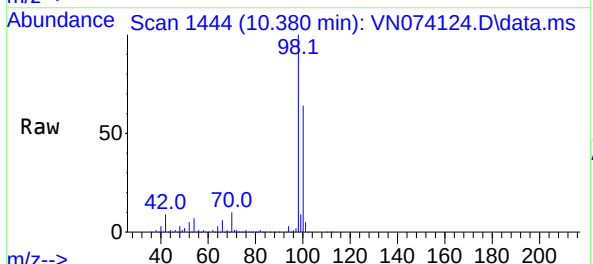
Instrument :
MSVOA_N
ClientSampleId :
RE103D1-20220818

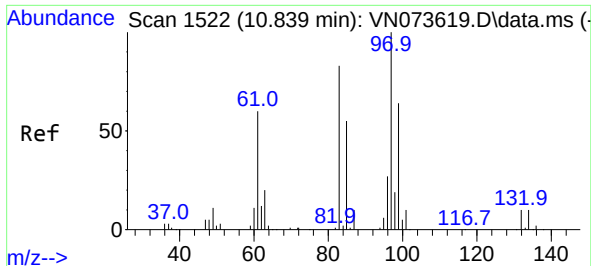
Tgt Ion: 88 Resp: 1348
Ion Ratio Lower Upper
88 100
43 59.8 20.2 30.4#
58 129.3 54.2 81.4#



#50
Toluene-d8
Concen: 48.831 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074124.D
Acq: 25 Aug 2022 19:17

Tgt Ion: 98 Resp: 1005187
Ion Ratio Lower Upper
98 100
100 64.2 52.6 78.8



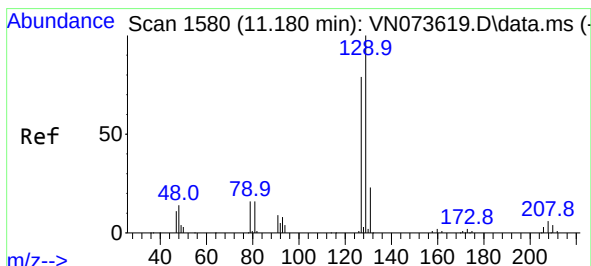
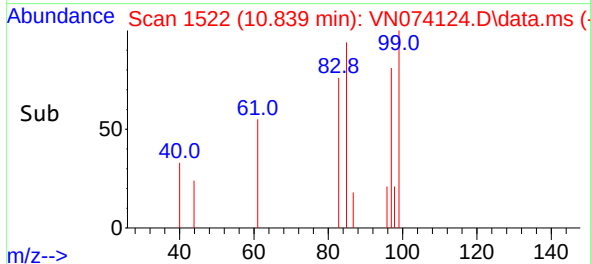
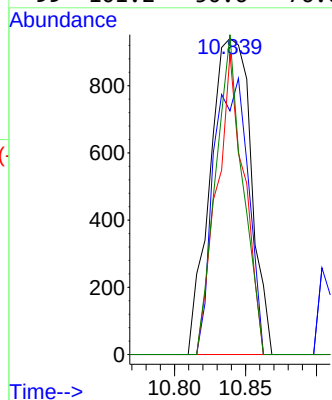
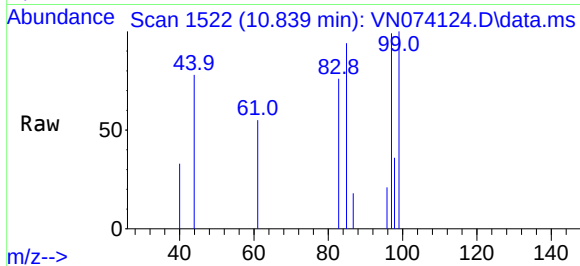


#55
1,1,2-Trichloroethane
Concen: 0.305 ug/l
RT: 10.839 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN074124.D
Acq: 25 Aug 2022 19:17

Instrument :
MSVOA_N
ClientSampleId :
RE103D1-20220818

Tgt Ion: 97 Resp: 1894

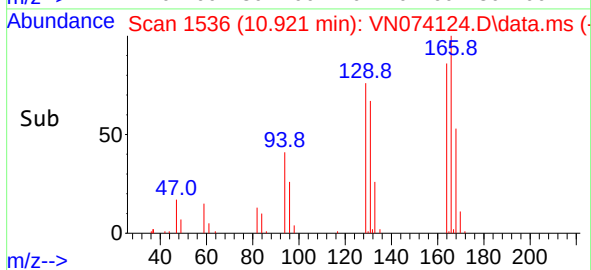
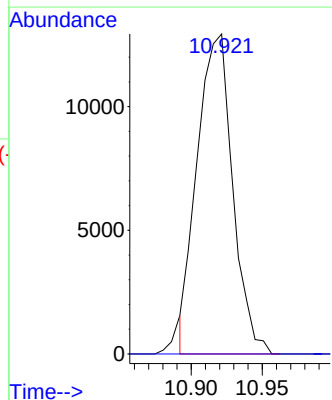
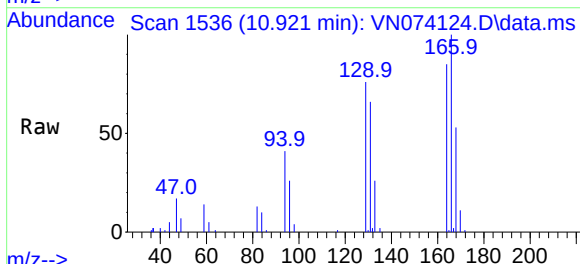
Ion	Ratio	Lower	Upper
97	100		
83	77.0	66.2	99.4
85	95.1	43.9	65.9#
99	101.2	50.6	76.0#

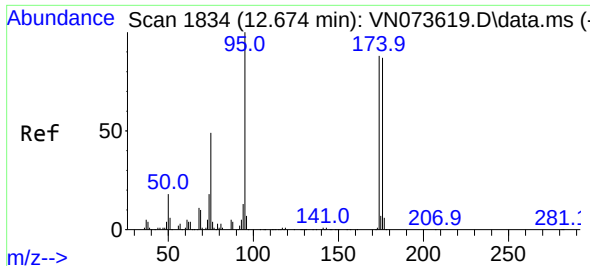


#60
Dibromochloromethane
Concen: 3.273 ug/l
RT: 10.921 min Scan# 1536
Delta R.T. -0.259 min
Lab File: VN074124.D
Acq: 25 Aug 2022 19:17

Tgt Ion: 129 Resp: 22496

Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.8	116.4#

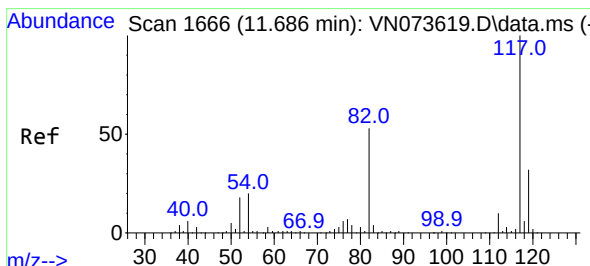
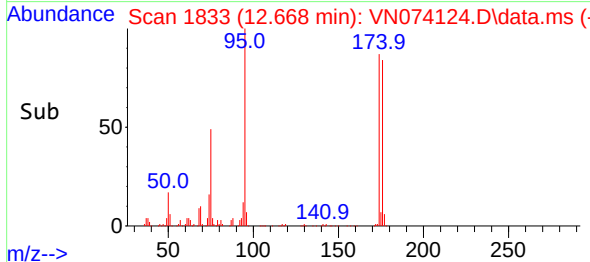
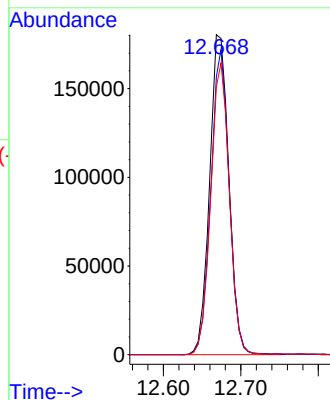
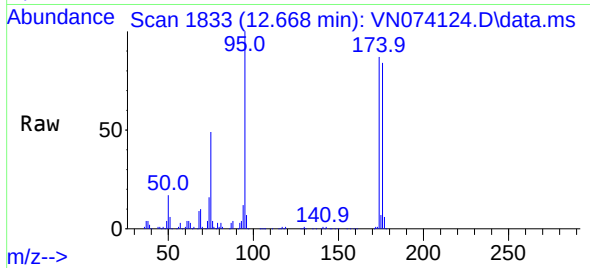




#62
4-Bromofluorobenzene
Concen: 45.466 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.006 min
Lab File: VN074124.D
Acq: 25 Aug 2022 19:17

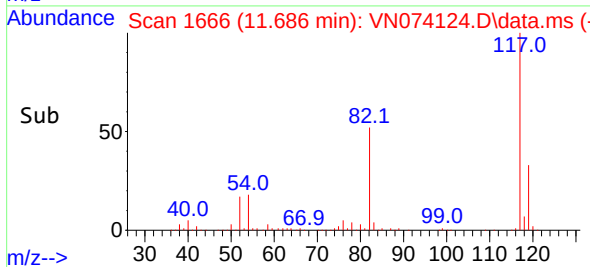
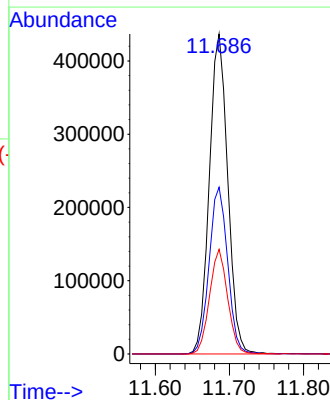
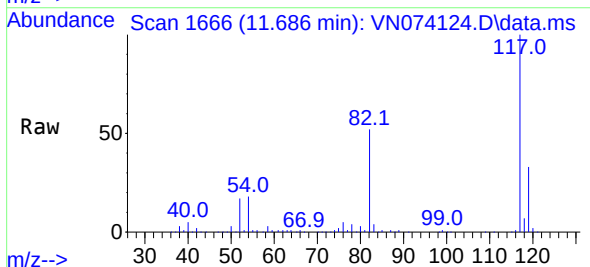
Instrument :
MSVOA_N
ClientSampleId :
RE103D1-20220818

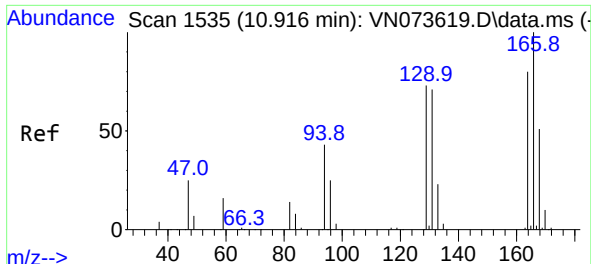
Tgt Ion: 95 Resp: 310615
Ion Ratio Lower Upper
95 100
174 91.4 0.0 167.6
176 88.0 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074124.D
Acq: 25 Aug 2022 19:17

Tgt Ion: 117 Resp: 753582
Ion Ratio Lower Upper
117 100
82 52.1 44.2 66.2
119 32.7 25.4 38.0

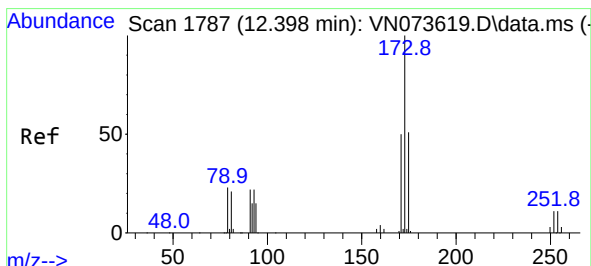
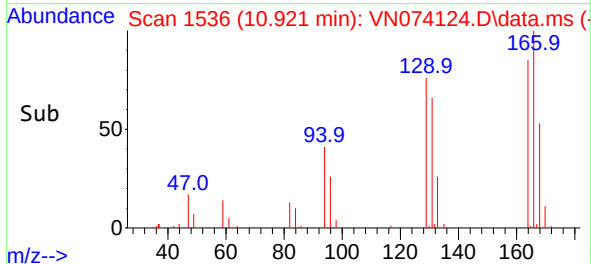
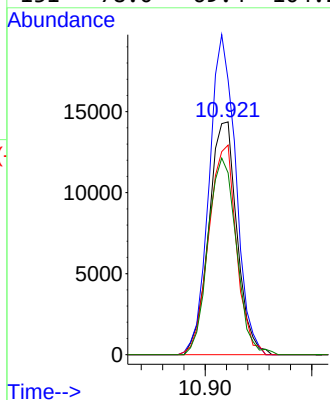
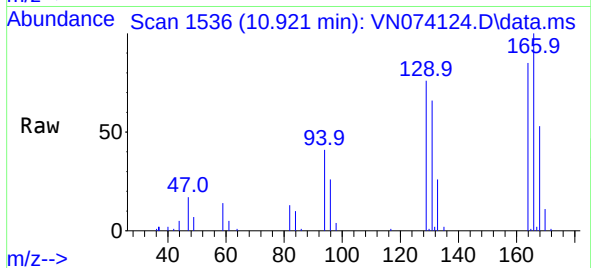




#64
Tetrachloroethene
Concen: 4.435 ug/l
RT: 10.921 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN074124.D
Acq: 25 Aug 2022 19:17

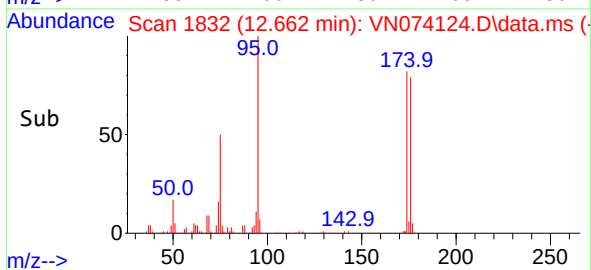
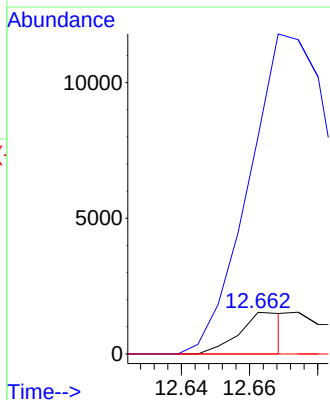
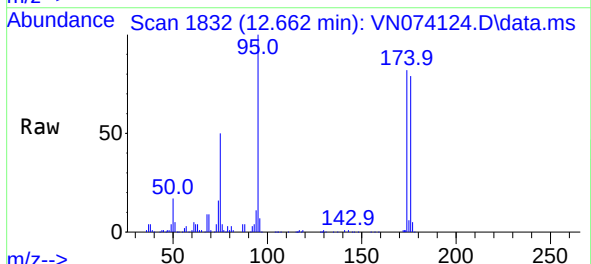
Instrument :
MSVOA_N
ClientSampleId :
RE103D1-20220818

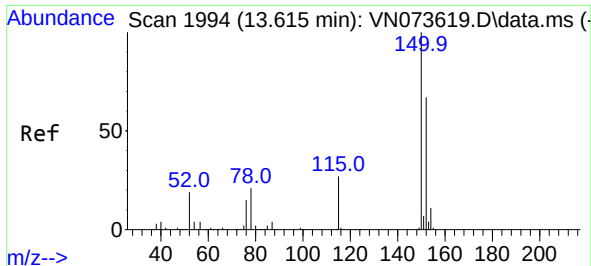
Tgt Ion:164 Resp: 26381
Ion Ratio Lower Upper
164 100
166 117.9 104.2 156.2
129 90.0 73.9 110.9
131 78.0 69.4 104.2



#71
Bromoform
Concen: 0.260 ug/l
RT: 12.662 min Scan# 1832
Delta R.T. 0.264 min
Lab File: VN074124.D
Acq: 25 Aug 2022 19:17

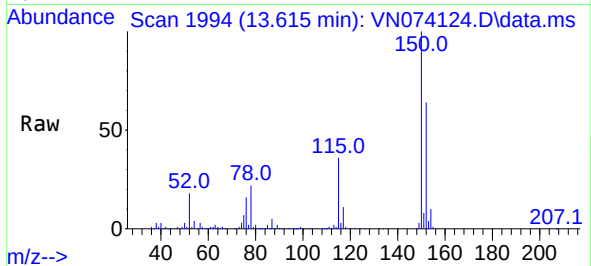
Tgt Ion:173 Resp: 1409
Ion Ratio Lower Upper
173 100
175 952.1 24.6 73.6#
254 0.0 0.1 0.1#



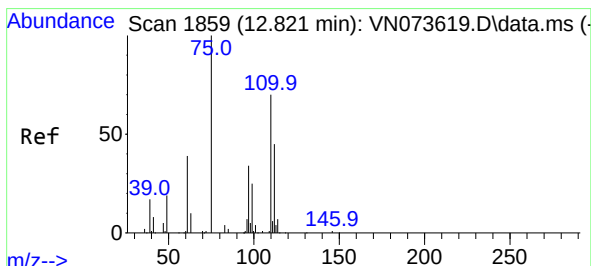
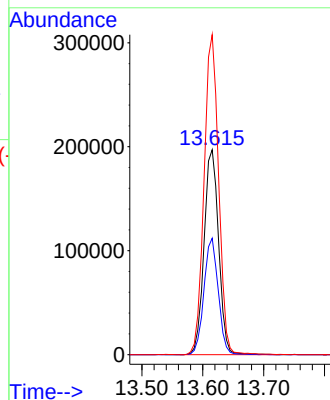
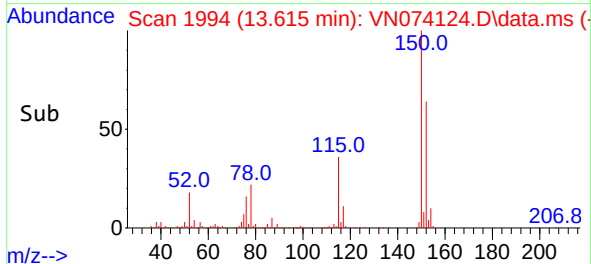


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN074124.D
Acq: 25 Aug 2022 19:17

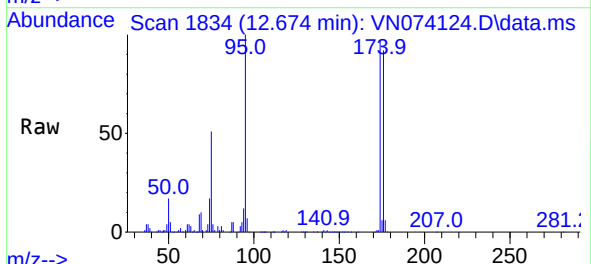
Instrument :
MSVOA_N
ClientSampleId :
RE103D1-20220818



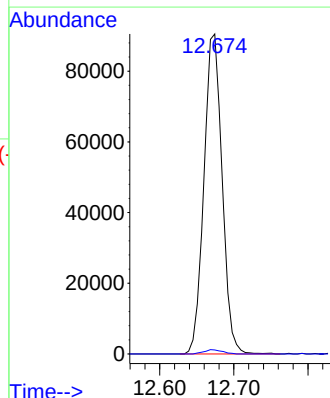
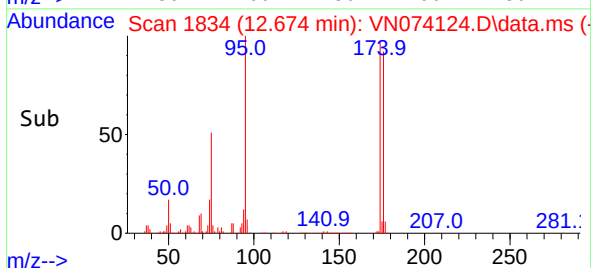
Tgt Ion:152 Resp: 327938
Ion Ratio Lower Upper
152 100
115 55.8 28.9 86.7
150 156.6 0.0 356.2

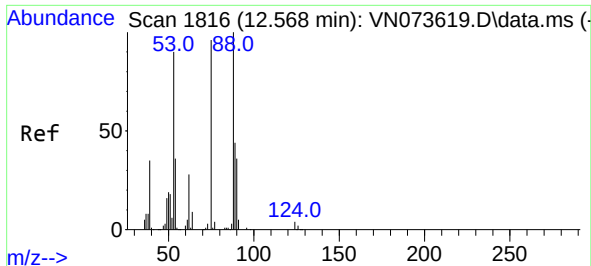


#76
1,2,3-Trichloropropane
Concen: 22.642 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074124.D
Acq: 25 Aug 2022 19:17



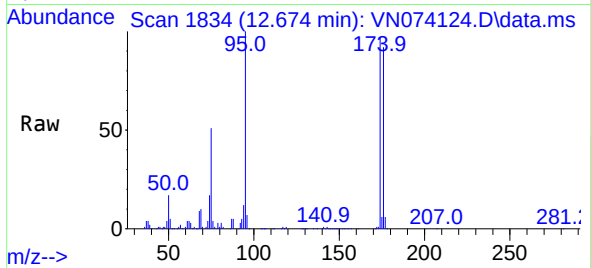
Tgt Ion: 75 Resp: 154333
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.399 ug/l
 RT: 12.674 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN074124.D
 Acq: 25 Aug 2022 19:17

Instrument :
 MSVOA_N
 ClientSampleId :
 RE103D1-20220818



Tgt Ion: 75 Resp: 154333
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.0 117.0#
 89 0.0 37.2 55.8#

