

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082522\
 Data File : VN074121.D
 Acq On : 25 Aug 2022 18:03
 Operator : JC\MD
 Sample : N4280-06DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE139D2-20220817DL

Quant Time: Aug 26 02:04:43 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	583645	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	888145	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	738052	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	318660	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	302164	53.154	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.300%	
35) Dibromofluoromethane	7.951	113	269908	51.388	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.780%	
50) Toluene-d8	10.380	98	985187	48.431	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 96.860%	
62) 4-Bromofluorobenzene	12.674	95	301152	44.607	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 89.220%	

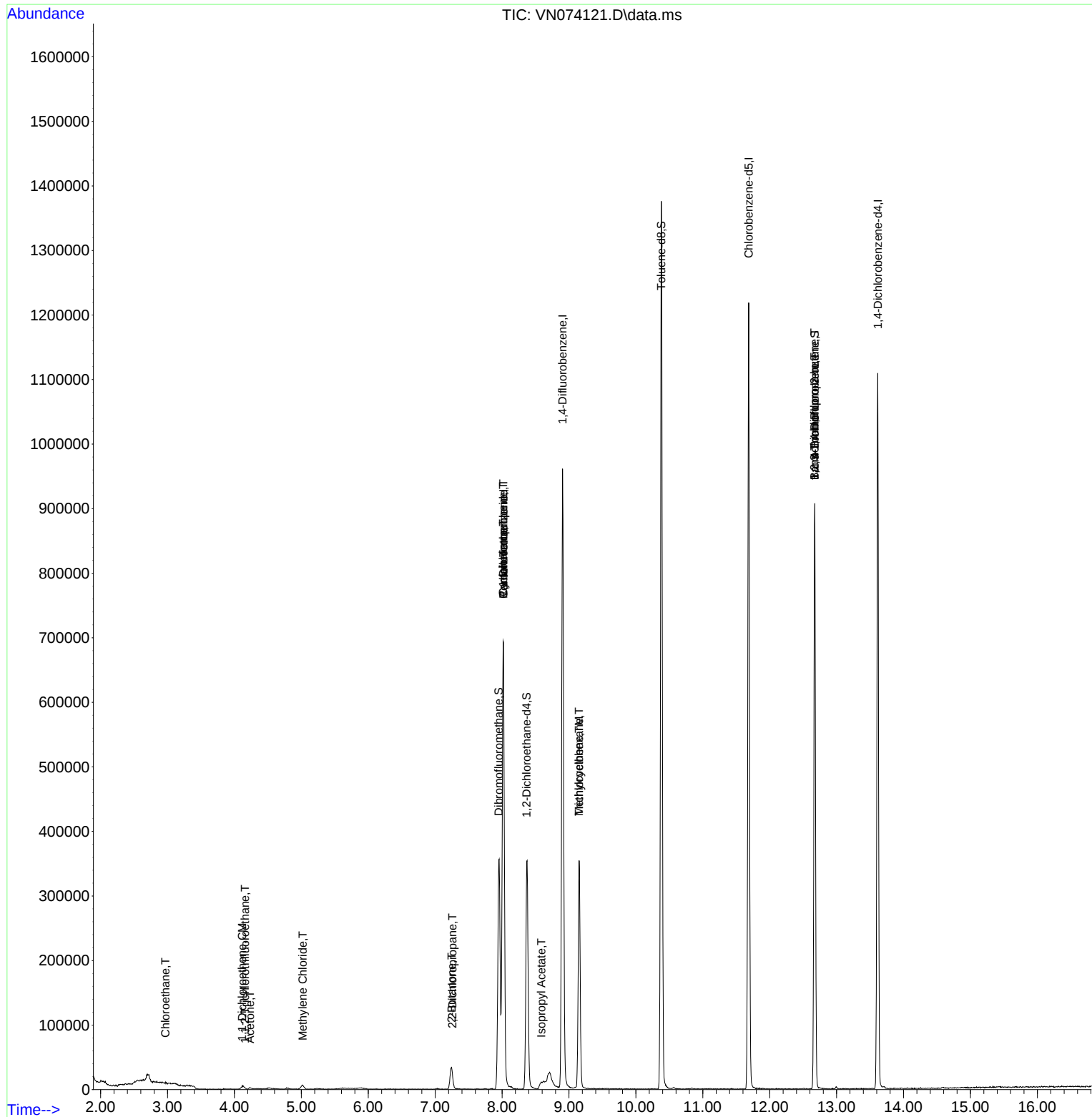
Target Compounds			Qvalue			
6) Chloroethane	2.969	64	1867	0.400	ug/l #	65
9) 1,1,2-Trichlorotrifluo...	4.157	101	1964	0.397	ug/l #	80
12) 1,1-Dichloroethene	4.116	96	2299	0.499	ug/l #	72
16) Acetone	4.234	43	3949	1.472	ug/l #	76
18) Methyl Acetate	4.781	43	2263	Below Cal	#	76
20) Methylene Chloride	5.022	84	5611	0.991	ug/l #	92
25) 2-Butanone	7.245	43	1593	0.375	ug/l	97
26) 2,2-Dichloropropane	7.257	77	2367	0.280	ug/l #	53
31) Cyclohexane	8.016	56	9481	1.196	ug/l #	1
36) 1,1-Dichloropropene	8.016	75	38486	5.275	ug/l #	49
38) Carbon Tetrachloride	8.022	117	51917	6.226	ug/l #	17
39) Methylcyclohexane	9.151	83	1928	0.211	ug/l #	1
43) Isopropyl Acetate	8.586	43	8965	0.712	ug/l #	53
44) Trichloroethene	9.151	130	138943	20.892	ug/l	100
71) Bromoform	12.668	173	1510	0.285	ug/l #	28
76) 1,2,3-Trichloropropane	12.668	75	148653	22.444	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	148653	63.835	ug/l #	11

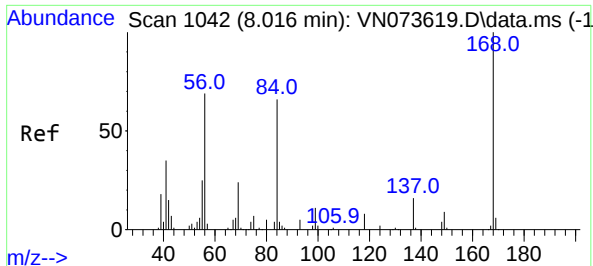
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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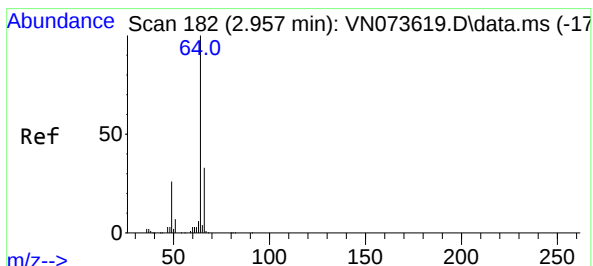
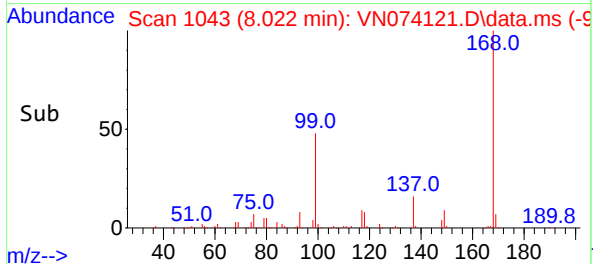
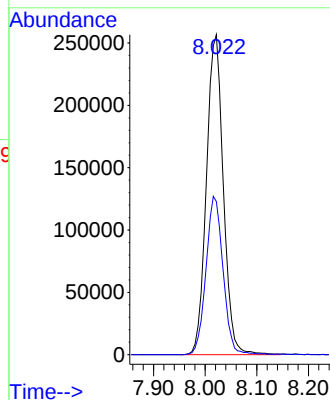
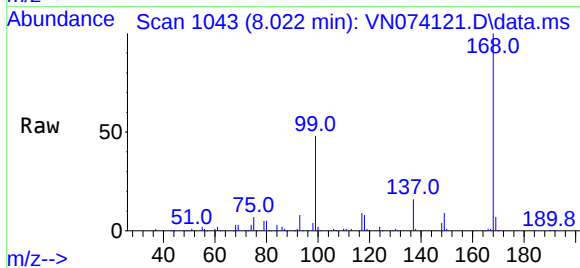




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VN074121.D
Acq: 25 Aug 2022 18:03

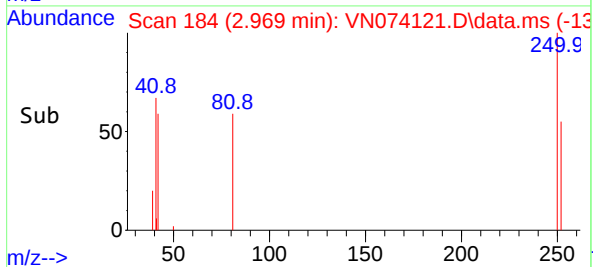
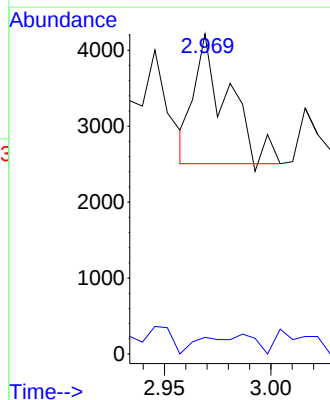
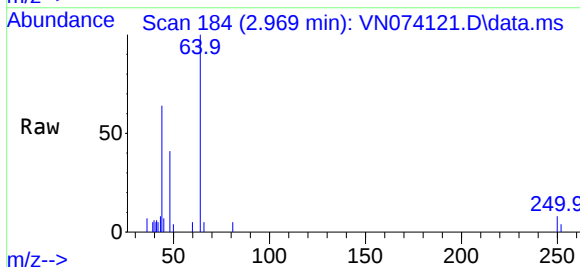
Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20220817DL

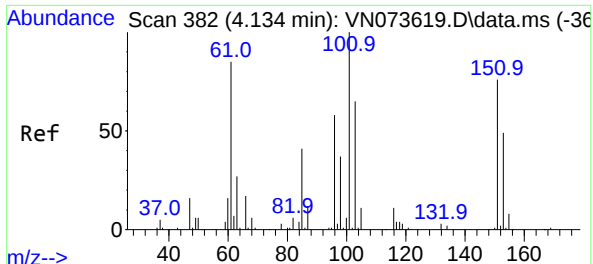
Tgt Ion:168 Resp: 583645
Ion Ratio Lower Upper
168 100
99 47.8 42.3 63.5



#6
Chloroethane
Concen: 0.400 ug/l
RT: 2.969 min Scan# 184
Delta R.T. 0.012 min
Lab File: VN074121.D
Acq: 25 Aug 2022 18:03

Tgt Ion: 64 Resp: 1867
Ion Ratio Lower Upper
64 100
66 12.9 26.2 39.4#

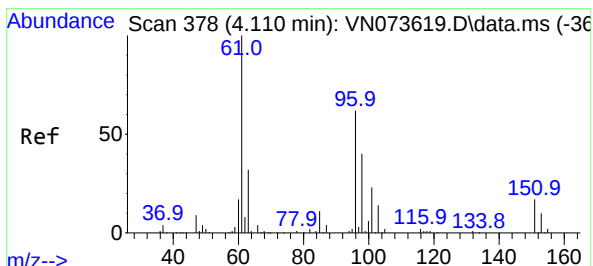
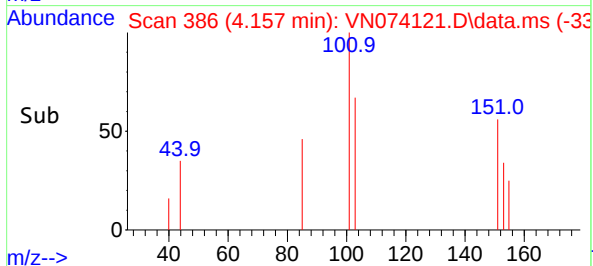
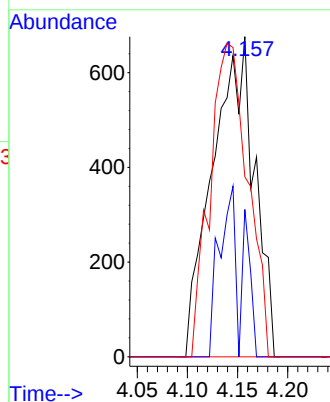
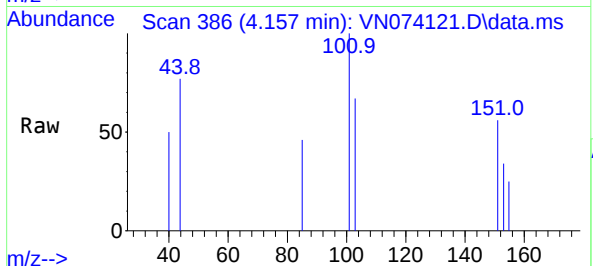




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.397 ug/l
RT: 4.157 min Scan# 31
Delta R.T. 0.023 min
Lab File: VN074121.D
Acq: 25 Aug 2022 18:03

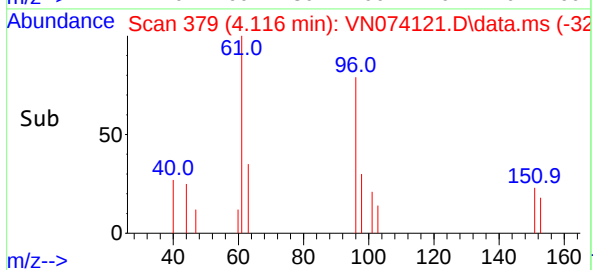
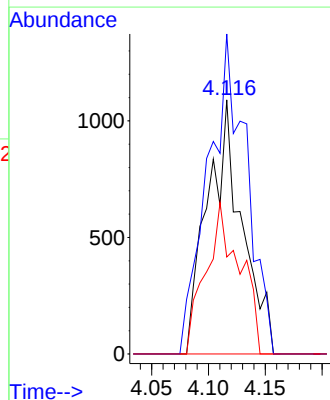
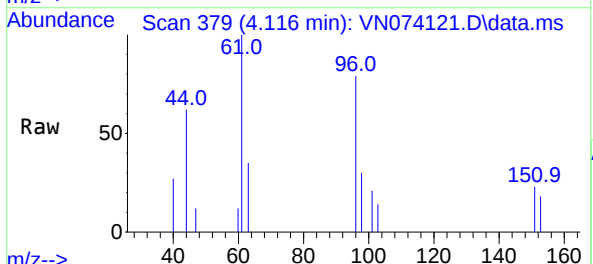
Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20220817DL

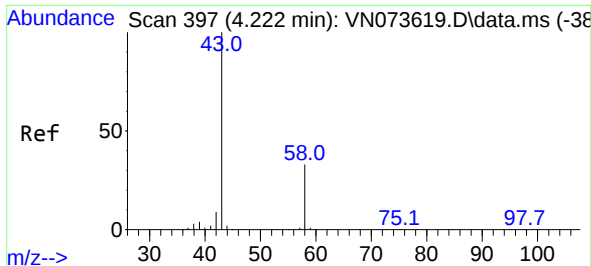
Tgt Ion:101 Resp: 1964
Ion Ratio Lower Upper
101 100
85 20.1 34.7 52.1#
151 88.4 63.0 94.4



#12
1,1-Dichloroethene
Concen: 0.499 ug/l
RT: 4.116 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN074121.D
Acq: 25 Aug 2022 18:03

Tgt Ion: 96 Resp: 2299
Ion Ratio Lower Upper
96 100
61 126.0 127.6 191.4#
98 38.2 51.2 76.8#

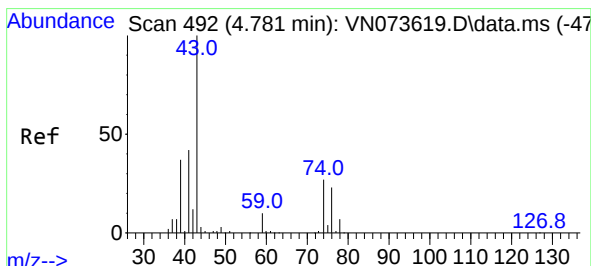
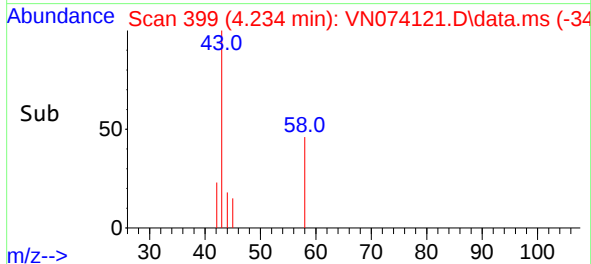
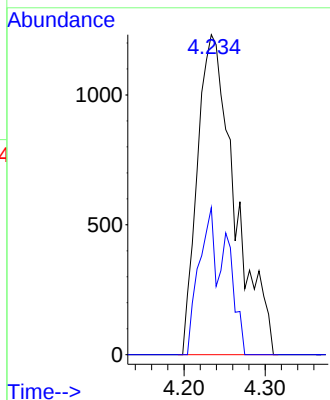
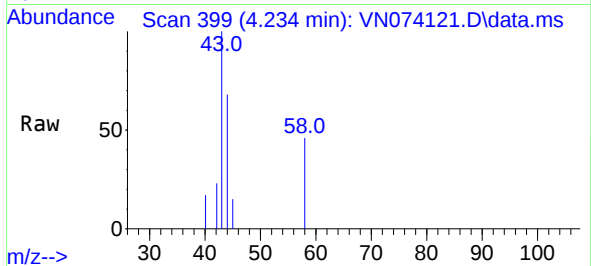




#16
Acetone
Concen: 1.472 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.012 min
Lab File: VN074121.D
Acq: 25 Aug 2022 18:03

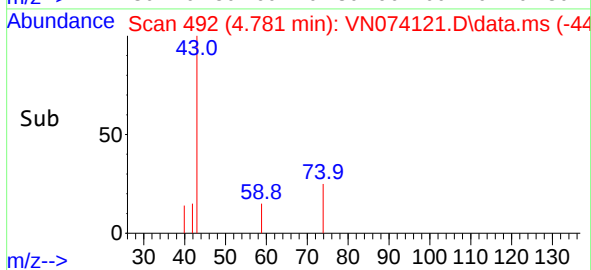
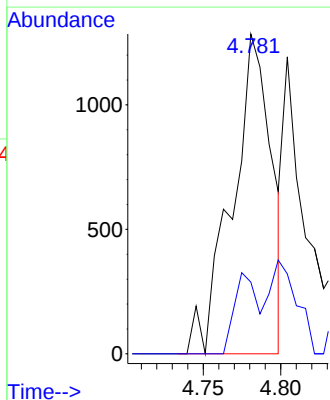
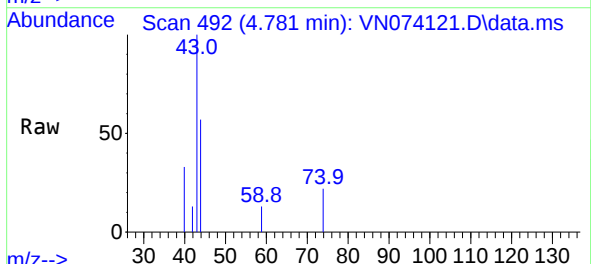
Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20220817DL

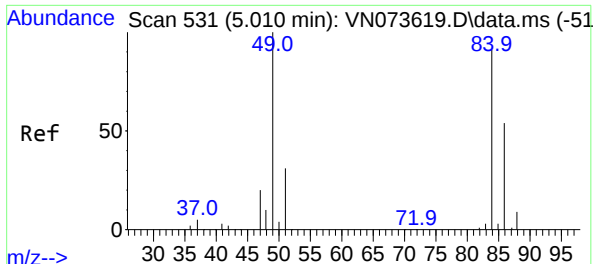
Tgt Ion: 43 Resp: 3949
Ion Ratio Lower Upper
43 100
58 45.9 26.0 39.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.781 min Scan# 492
Delta R.T. -0.000 min
Lab File: VN074121.D
Acq: 25 Aug 2022 18:03

Tgt Ion: 43 Resp: 2263
Ion Ratio Lower Upper
43 100
74 14.6 21.6 32.4#



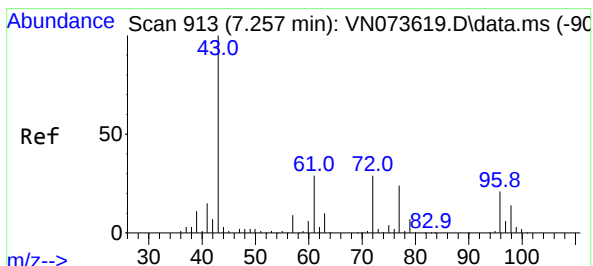
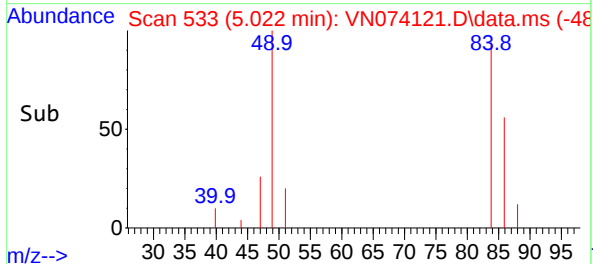
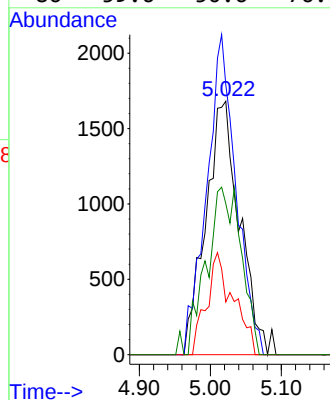
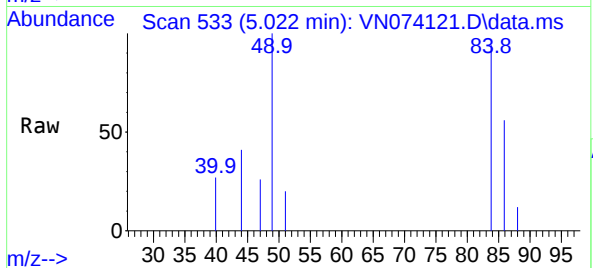


#20
Methylene Chloride
Concen: 0.991 ug/l
RT: 5.022 min Scan# 511
Delta R.T. 0.012 min
Lab File: VN074121.D
Acq: 25 Aug 2022 18:03

Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20220817DL

Tgt Ion: 84 Resp: 5611

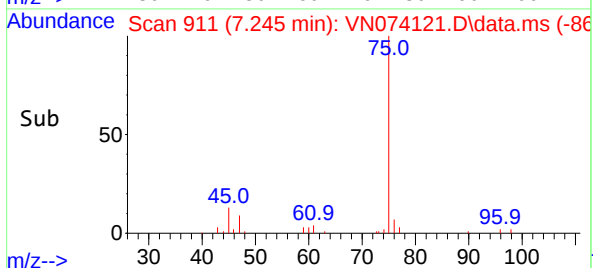
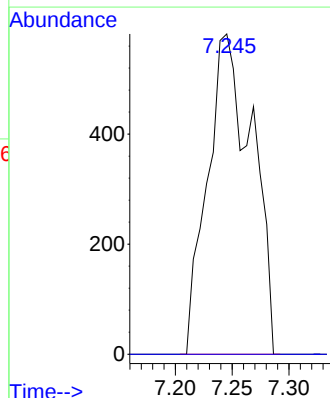
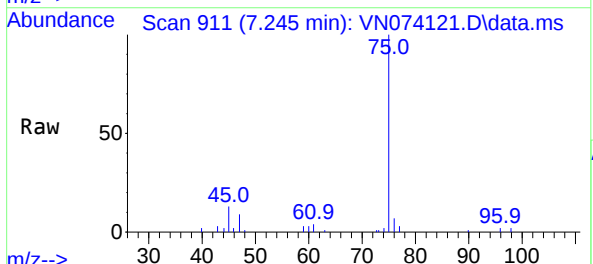
Ion	Ratio	Lower	Upper
84	100		
49	106.5	88.3	132.5
51	20.8	28.2	42.2#
86	59.6	50.6	76.0

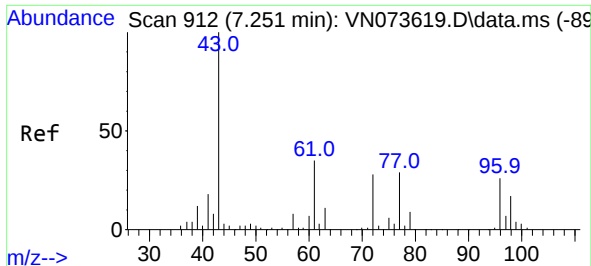


#25
2-Butanone
Concen: 0.375 ug/l
RT: 7.245 min Scan# 911
Delta R.T. -0.012 min
Lab File: VN074121.D
Acq: 25 Aug 2022 18:03

Tgt Ion: 43 Resp: 1593

Ion	Ratio	Lower	Upper
43	100		
72	28.2	23.7	35.5





#26

2,2-Dichloropropane

Concen: 0.280 ug/l

RT: 7.257 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN074121.D

Acq: 25 Aug 2022 18:03

Instrument :

MSVOA_N

ClientSampleId :

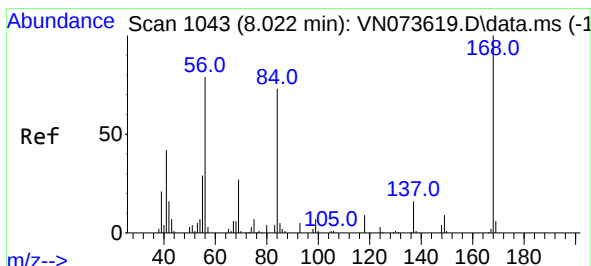
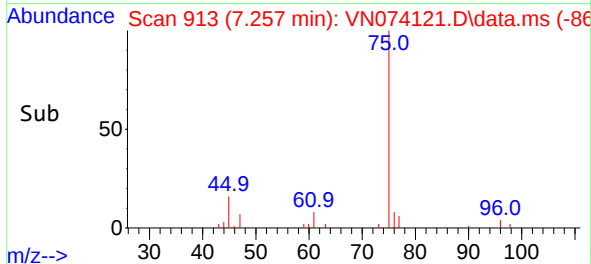
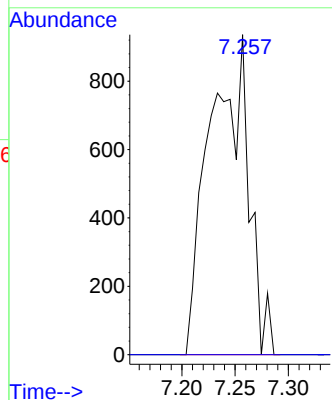
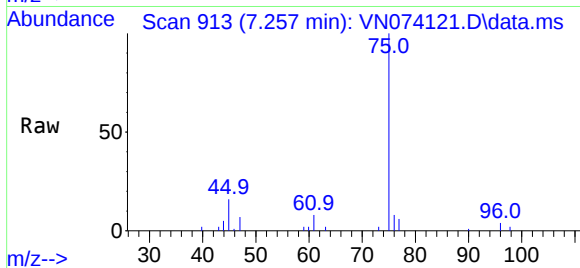
RE139D2-20220817DL

Tgt Ion: 77 Resp: 2367

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#



#31

Cyclohexane

Concen: 1.196 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN074121.D

Acq: 25 Aug 2022 18:03

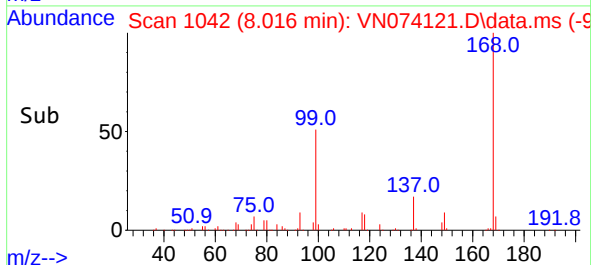
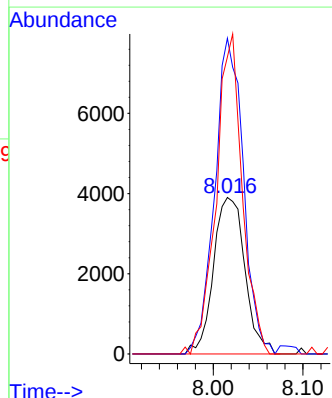
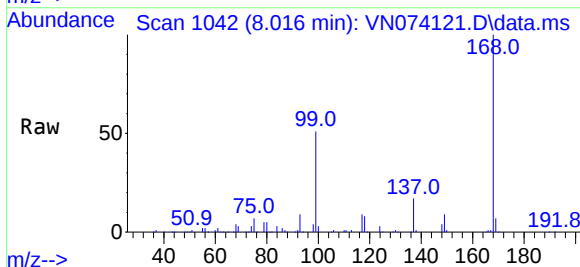
Tgt Ion: 56 Resp: 9481

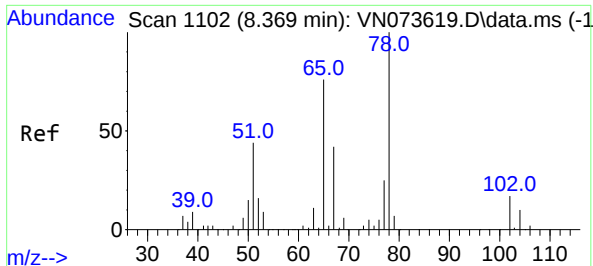
Ion Ratio Lower Upper

56 100

69 201.8 27.8 41.8#

84 189.8 76.9 115.3#

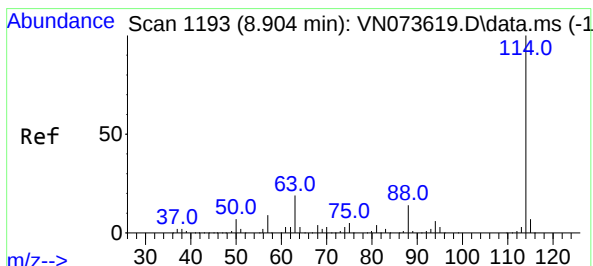
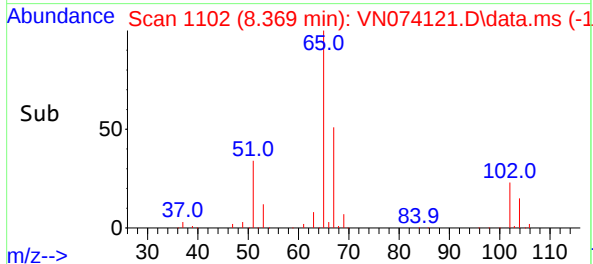
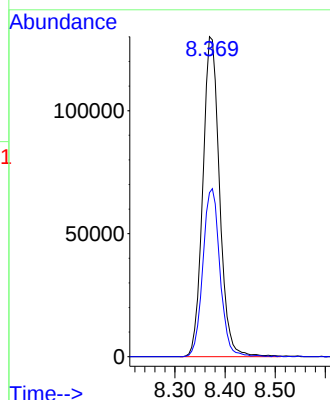
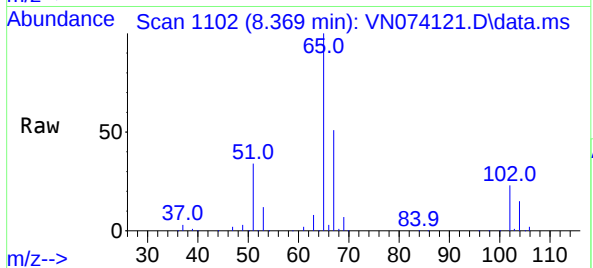




#33
1,2-Dichloroethane-d4
Concen: 53.154 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074121.D
Acq: 25 Aug 2022 18:03

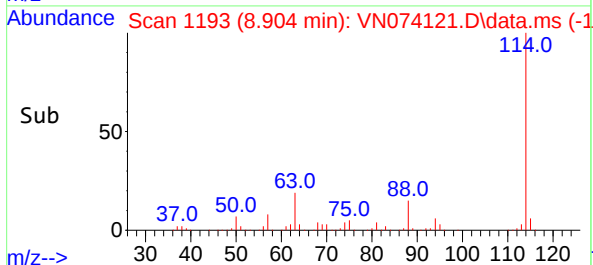
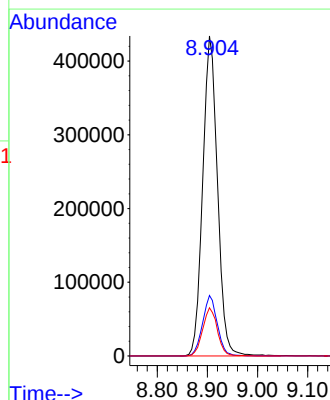
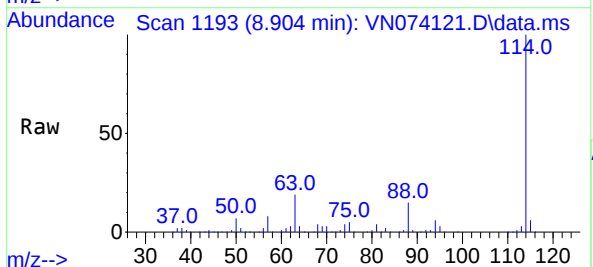
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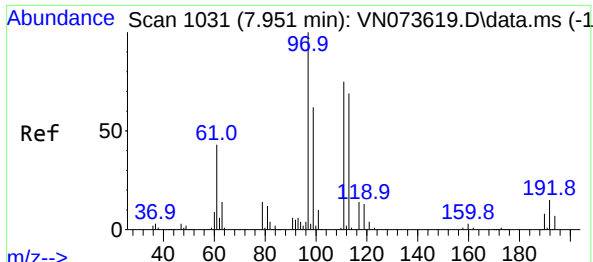
Tgt Ion: 65 Resp: 302164
Ion Ratio Lower Upper
65 100
67 53.3 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VN074121.D
Acq: 25 Aug 2022 18:03

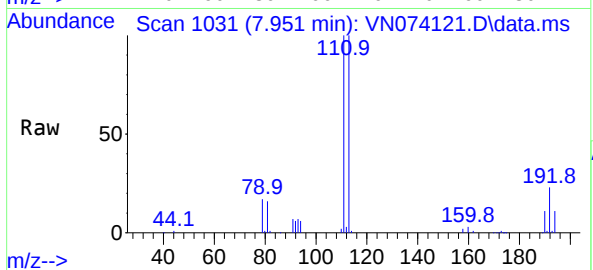
Tgt Ion: 114 Resp: 888145
Ion Ratio Lower Upper
114 100
63 18.9 0.0 40.0
88 15.0 0.0 32.6



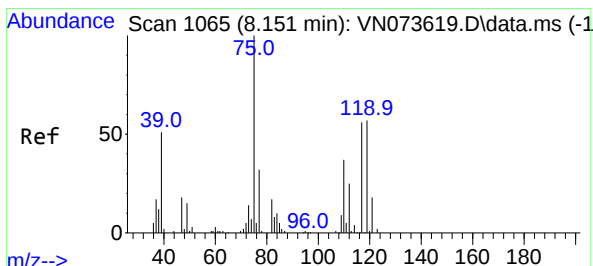
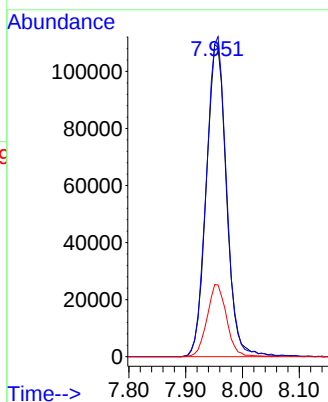
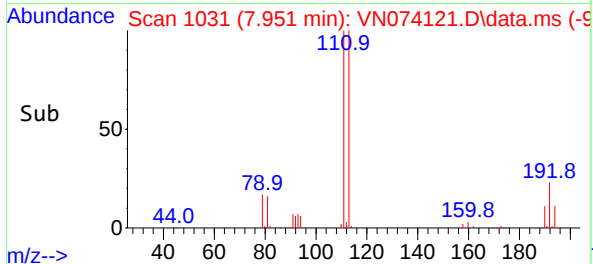


#35
Dibromofluoromethane
Concen: 51.388 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074121.D
Acq: 25 Aug 2022 18:03

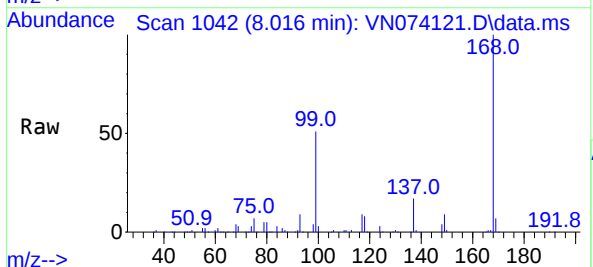
Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20220817DL



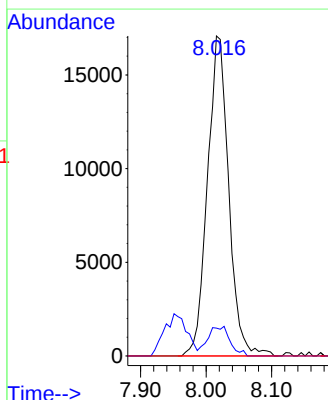
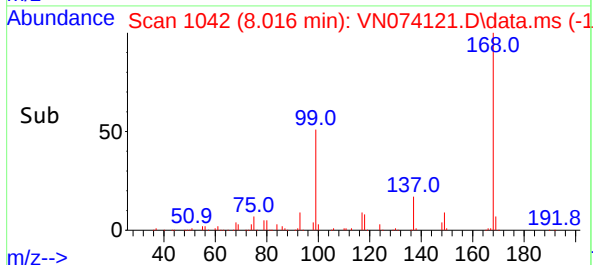
Tgt Ion:113 Resp: 269908
Ion Ratio Lower Upper
113 100
111 102.4 81.4 122.0
192 22.3 17.0 25.6

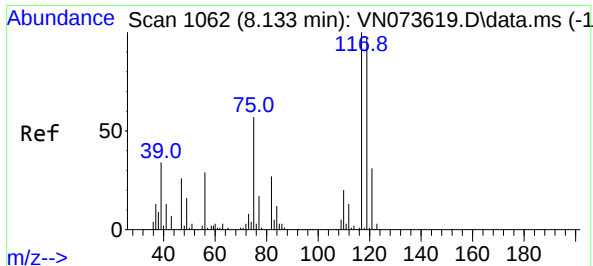


#36
1,1-Dichloropropene
Concen: 5.275 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN074121.D
Acq: 25 Aug 2022 18:03



Tgt Ion: 75 Resp: 38486
Ion Ratio Lower Upper
75 100
110 9.7 18.3 54.8#
77 0.0 25.1 37.7#

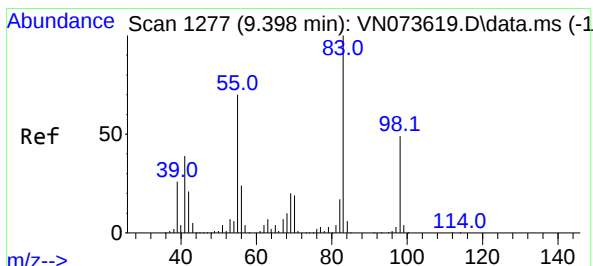
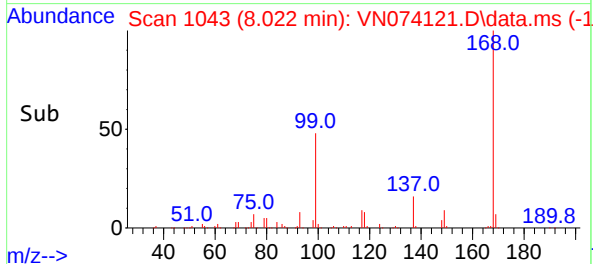
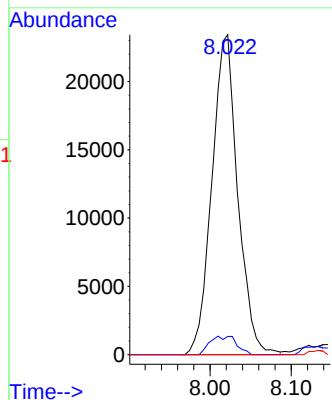
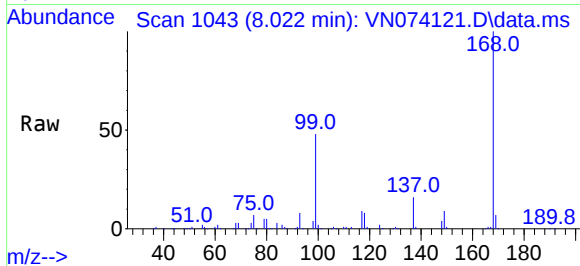




#38
Carbon Tetrachloride
Concen: 6.226 ug/l
RT: 8.022 min Scan# 117
Delta R.T. -0.111 min
Lab File: VN074121.D
Acq: 25 Aug 2022 18:03

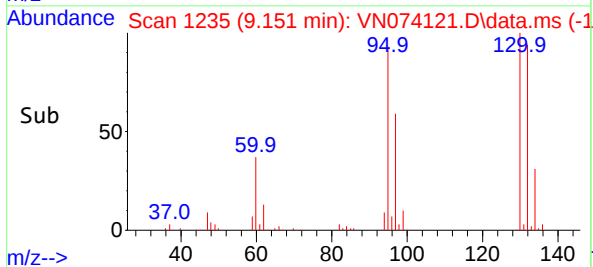
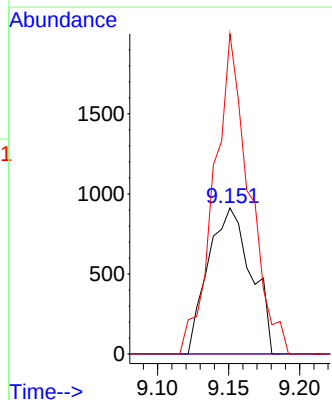
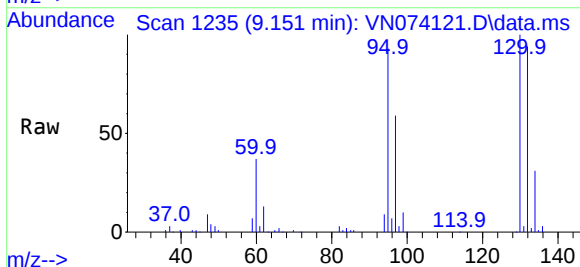
Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20220817DL

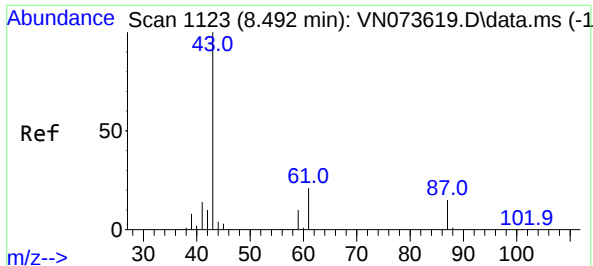
Tgt Ion:117 Resp: 51917
Ion Ratio Lower Upper
117 100
119 5.7 75.8 113.8#
121 0.0 24.6 37.0#



#39
Methylcyclohexane
Concen: 0.211 ug/l
RT: 9.151 min Scan# 1235
Delta R.T. -0.247 min
Lab File: VN074121.D
Acq: 25 Aug 2022 18:03

Tgt Ion: 83 Resp: 1928
Ion Ratio Lower Upper
83 100
55 0.0 57.8 86.8#
98 219.2 39.4 59.2#

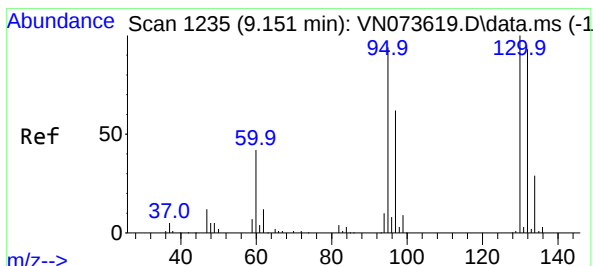
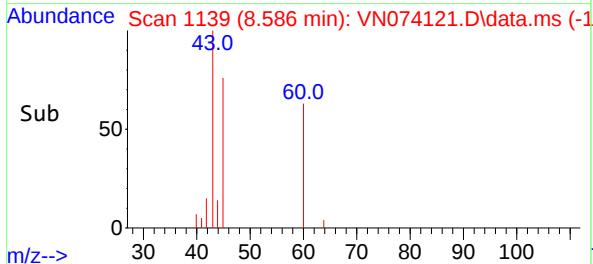
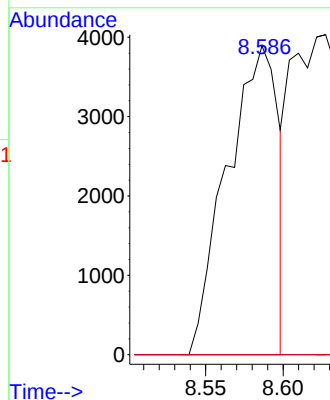
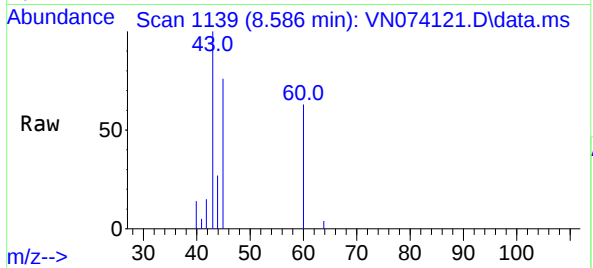




#43
Isopropyl Acetate
Concen: 0.712 ug/l
RT: 8.586 min Scan# 1123
Delta R.T. 0.094 min
Lab File: VN074121.D
Acq: 25 Aug 2022 18:03

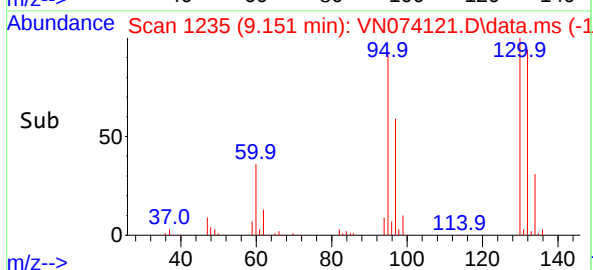
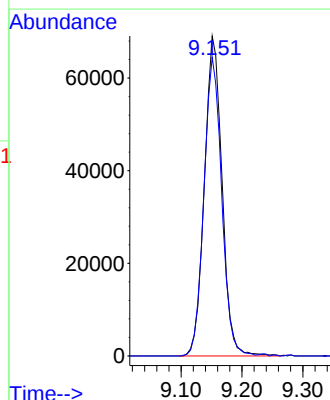
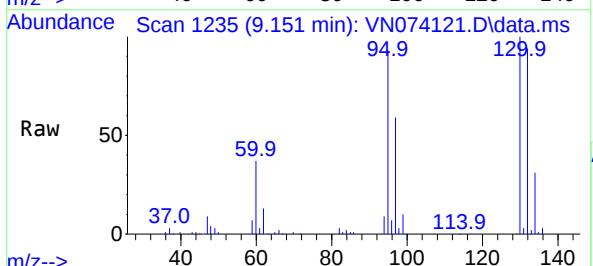
Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20220817DL

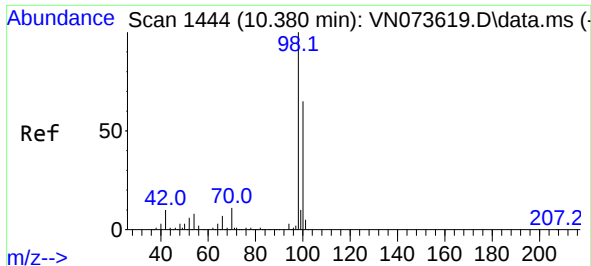
Tgt Ion: 43 Resp: 8965
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#



#44
Trichloroethene
Concen: 20.892 ug/l
RT: 9.151 min Scan# 1235
Delta R.T. -0.000 min
Lab File: VN074121.D
Acq: 25 Aug 2022 18:03

Tgt Ion: 130 Resp: 138943
Ion Ratio Lower Upper
130 100
95 93.4 0.0 186.8

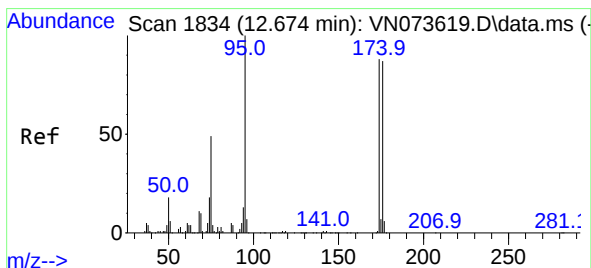
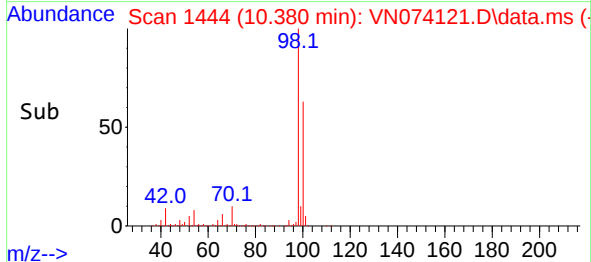
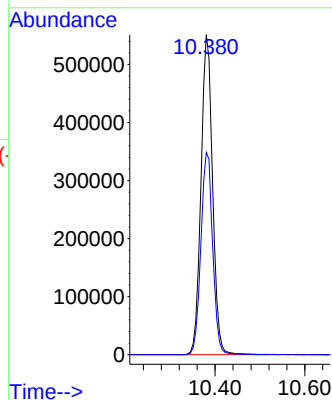
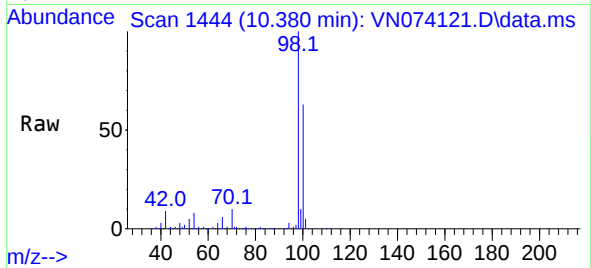




#50
Toluene-d8
Concen: 48.431 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074121.D
Acq: 25 Aug 2022 18:03

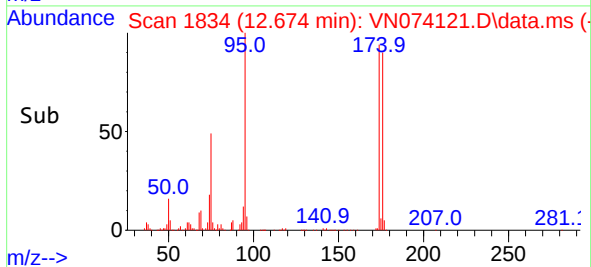
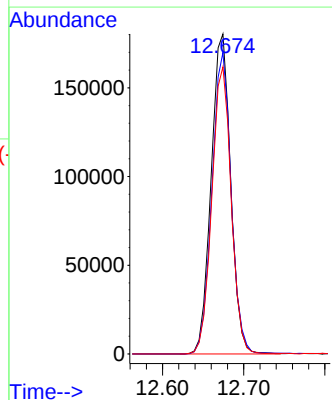
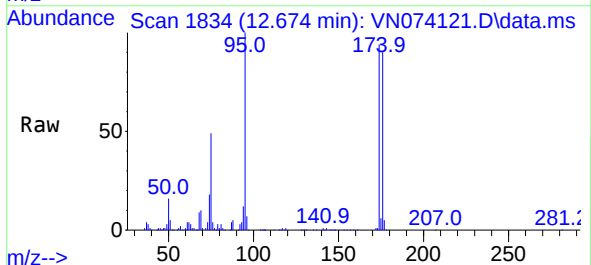
Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20220817DL

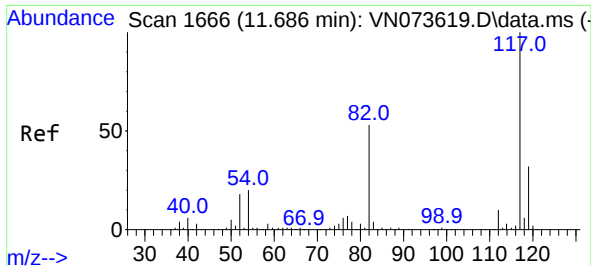
Tgt Ion: 98 Resp: 985187
Ion Ratio Lower Upper
98 100
100 64.4 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 44.607 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074121.D
Acq: 25 Aug 2022 18:03

Tgt Ion: 95 Resp: 301152
Ion Ratio Lower Upper
95 100
174 93.0 0.0 167.6
176 88.7 0.0 163.4

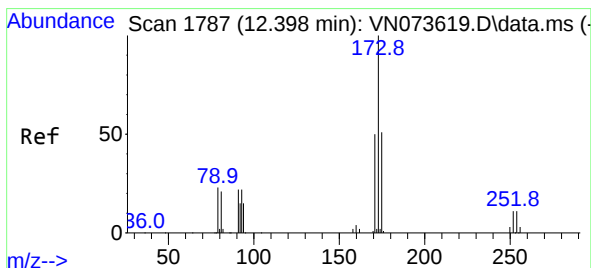
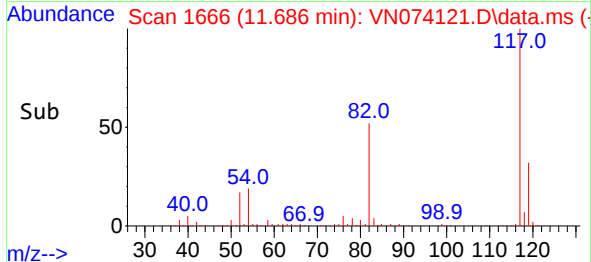
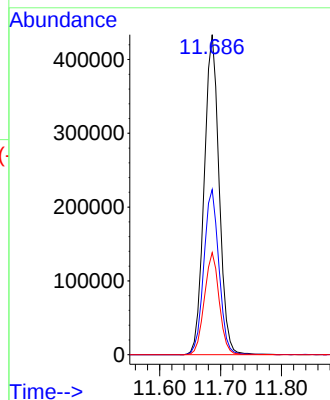
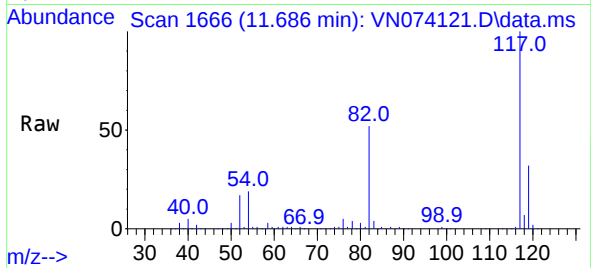




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN074121.D
Acq: 25 Aug 2022 18:03

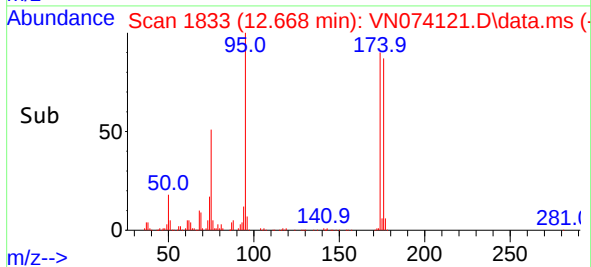
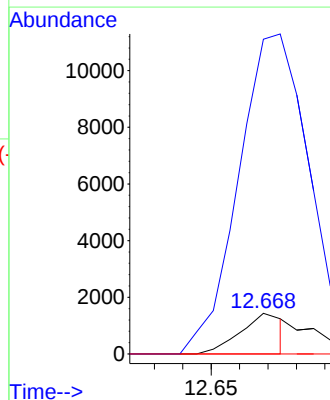
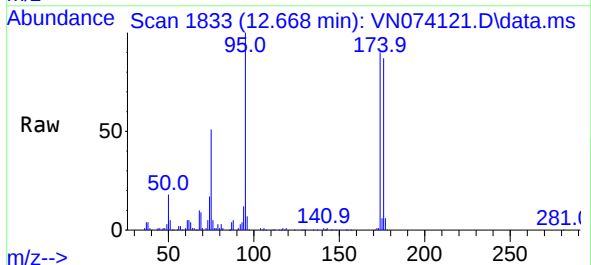
Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20220817DL

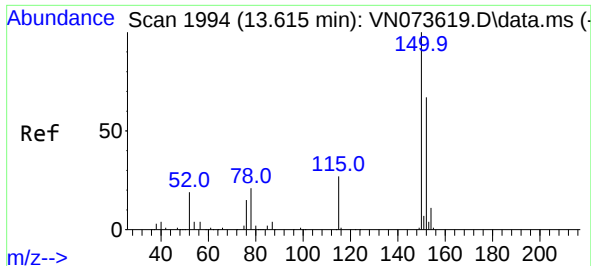
Tgt Ion:117 Resp: 738052
Ion Ratio Lower Upper
117 100
82 51.6 44.2 66.2
119 31.9 25.4 38.0



#71
Bromoform
Concen: 0.285 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.270 min
Lab File: VN074121.D
Acq: 25 Aug 2022 18:03

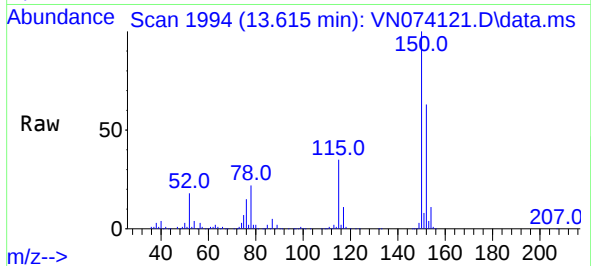
Tgt Ion:173 Resp: 1510
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



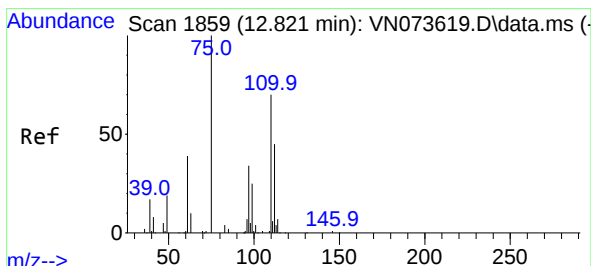
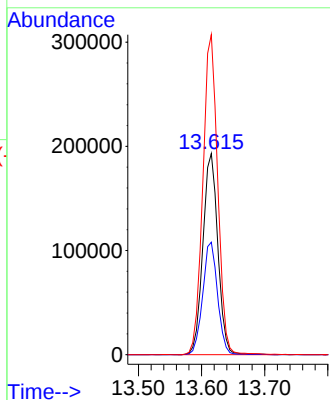
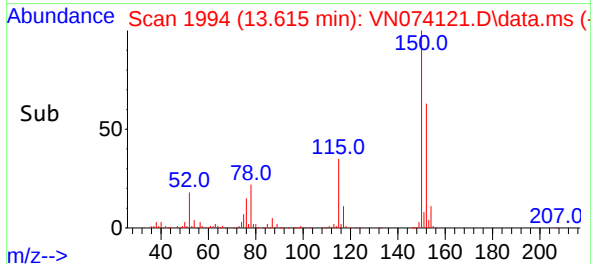


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.615 min Scan# 1994
 Delta R.T. 0.000 min
 Lab File: VN074121.D
 Acq: 25 Aug 2022 18:03

Instrument :
 MSVOA_N
 ClientSampleId :
 RE139D2-20220817DL

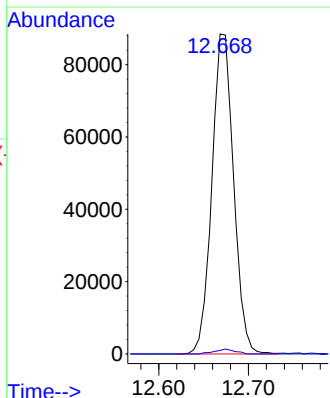
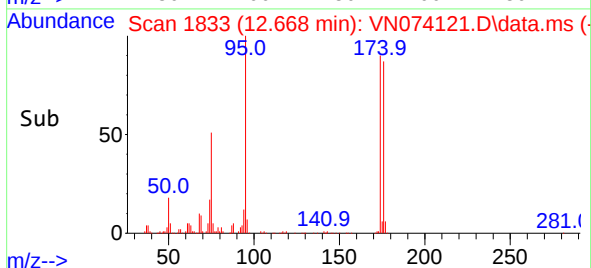
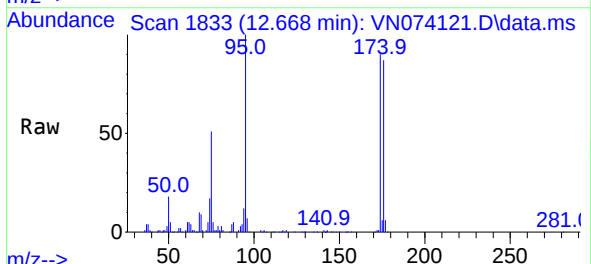


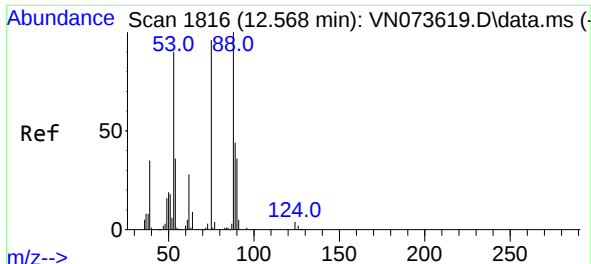
Tgt Ion:152 Resp: 318660
 Ion Ratio Lower Upper
 152 100
 115 55.6 28.9 86.7
 150 157.9 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 22.444 ug/l
 RT: 12.668 min Scan# 1833
 Delta R.T. -0.153 min
 Lab File: VN074121.D
 Acq: 25 Aug 2022 18:03

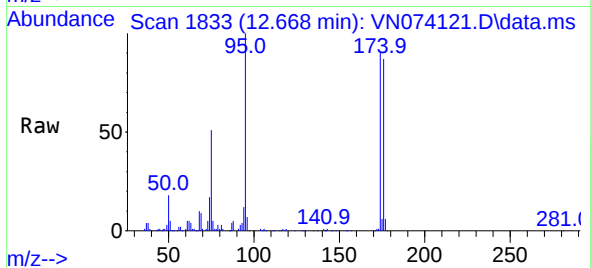
Tgt Ion: 75 Resp: 148653
 Ion Ratio Lower Upper
 75 100
 77 1.4 98.5 295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.835 ug/l
 RT: 12.668 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VN074121.D
 Acq: 25 Aug 2022 18:03

Instrument :
 MSVOA_N
 ClientSampleId :
 RE139D2-20220817DL



Tgt Ion: 75 Resp: 148653
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.0 117.0#
 89 0.0 37.2 55.8#

