

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090322\
 Data File : VN074331.D
 Acq On : 03 Sep 2022 20:59
 Operator : JC\MD
 Sample : N4281-10 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP06-20220818

Quant Time: Sep 05 05:40:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090222W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 03 04:35:33 2022
 Response via : Initial Calibration

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

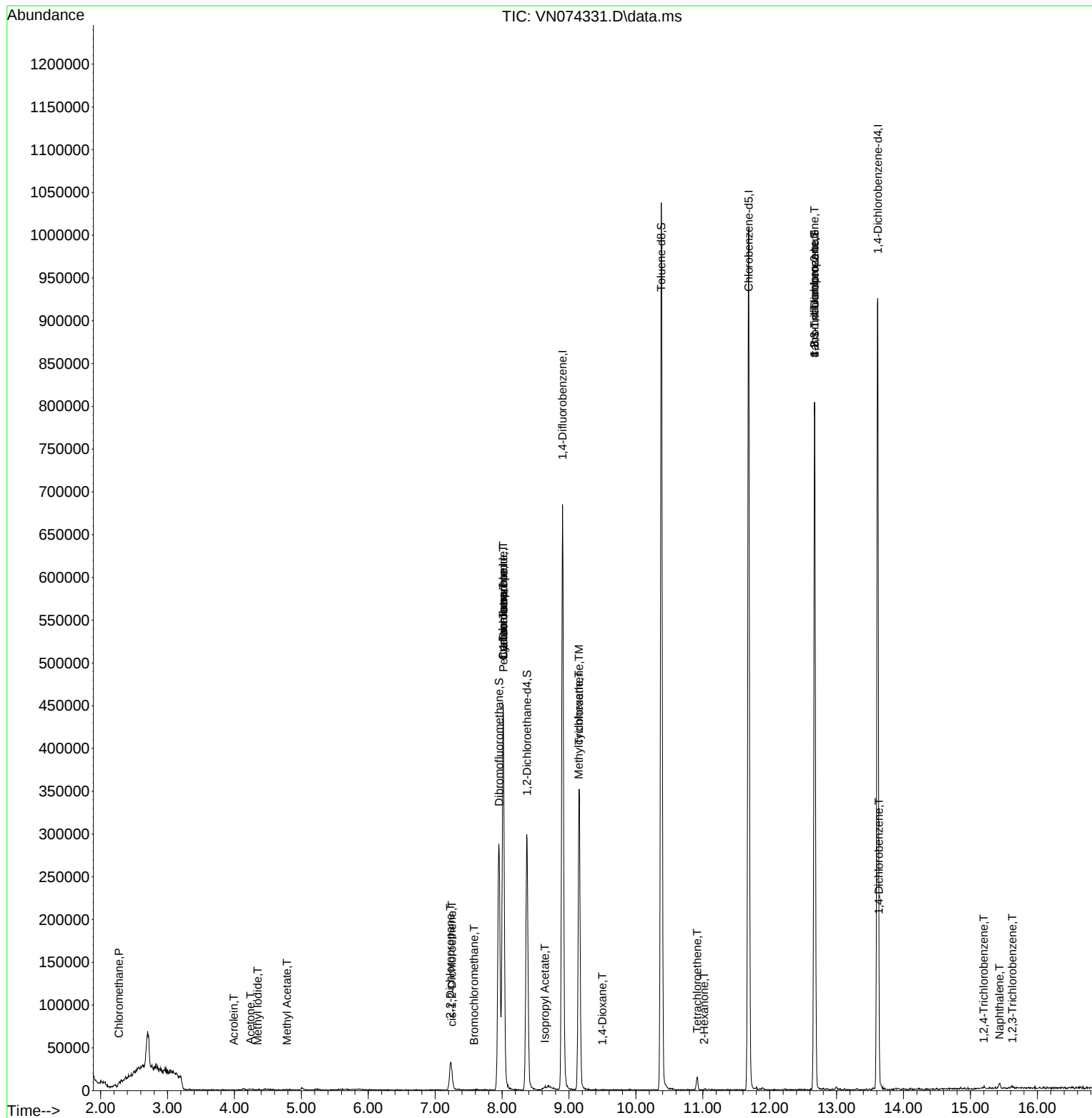
Internal Standards						
1) Pentafluorobenzene	8.022	168	321530	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	577963	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	552666	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	238654	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	241057	48.095	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.180%		
35) Dibromofluoromethane	7.957	113	204947	53.513	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	107.020%		
50) Toluene-d8	10.380	98	697698	46.199	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.400%		
62) 4-Bromofluorobenzene	12.668	95	243913	44.472	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.940%		
Target Compounds						Qvalue
3) Chloromethane	2.275	50	1145	0.261	ug/l	91
10) Methyl Iodide	4.345	142	55	5.062	ug/l #	44
13) Acrolein	3.993	56	127	0.208	ug/l #	16
16) Acetone	4.240	43	1884	0.899	ug/l #	42
18) Methyl Acetate	4.787	43	1328	0.211	ug/l #	73
20) Methylene Chloride	4.998	84	975	Below Cal	#	27
26) 2,2-Dichloropropane	7.228	77	1287	0.220	ug/l #	53
27) cis-1,2-Dichloroethene	7.251	96	1154	0.250	ug/l #	18
28) Bromochloromethane	7.581	49	72	0.278	ug/l #	8
31) Cyclohexane	8.016	56	8208	1.226	ug/l #	20
36) 1,1-Dichloropropene	8.016	75	29659	5.456	ug/l #	49
38) Carbon Tetrachloride	8.016	117	34914	6.358	ug/l #	16
39) Methylcyclohexane	9.145	83	2142	0.327	ug/l #	1
43) Isopropyl Acetate	8.639	43	2933	0.284	ug/l #	53
44) Trichloroethene	9.151	130	122445	30.005	ug/l	96
49) 1,4-Dioxane	9.498	88	82	0.702	ug/l #	1
59) 2-Hexanone	11.021	43	1108	0.203	ug/l	62
64) Tetrachloroethene	10.916	164	3376	0.972	ug/l #	87
76) 1,2,3-Trichloropropane	12.668	75	144037	21.310	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	144037	69.177	ug/l #	11
88) 1,4-Dichlorobenzene	13.633	146	1325	0.321	ug/l #	75
93) 1,2,4-Trichlorobenzene	15.198	180	789	1.030	ug/l #	75
95) Naphthalene	15.433	128	4785	1.036	ug/l	98
96) 1,2,3-Trichlorobenzene	15.627	180	1248	0.688	ug/l #	66

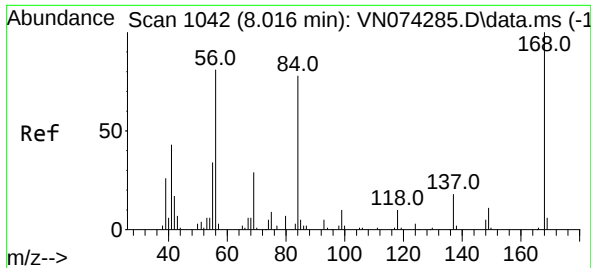
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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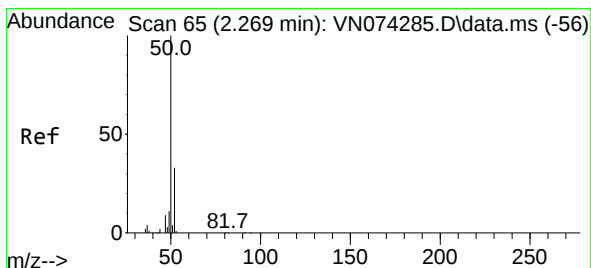
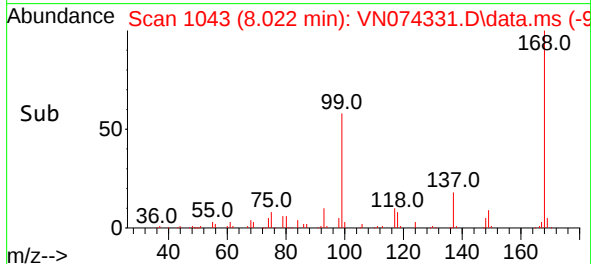
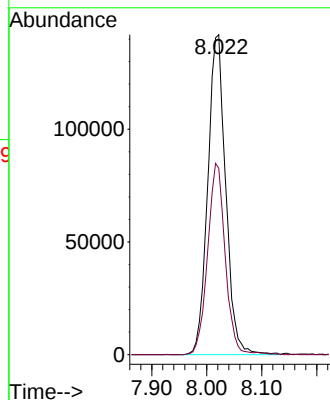
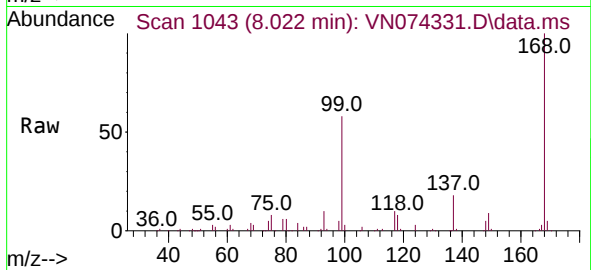




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VN074331.D
Acq: 03 Sep 2022 20:59

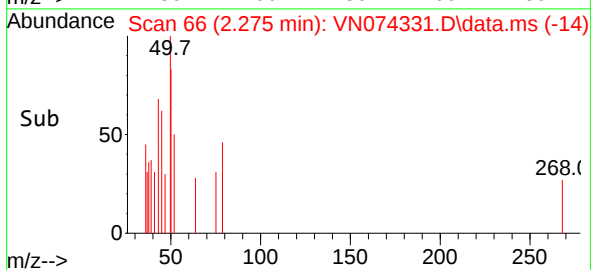
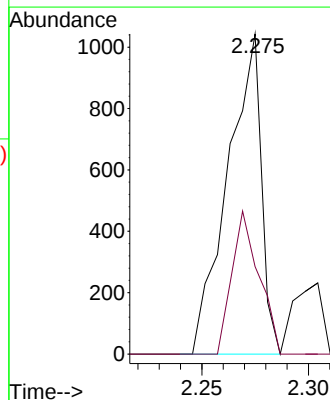
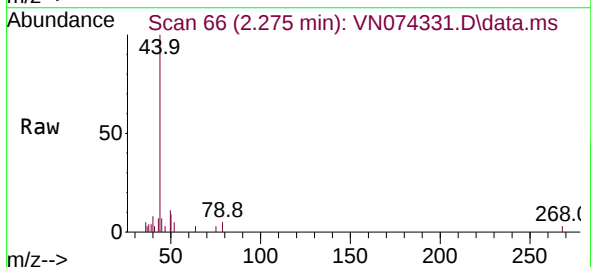
Instrument :
MSVOA_N
ClientSampleId :
DUP06-20220818

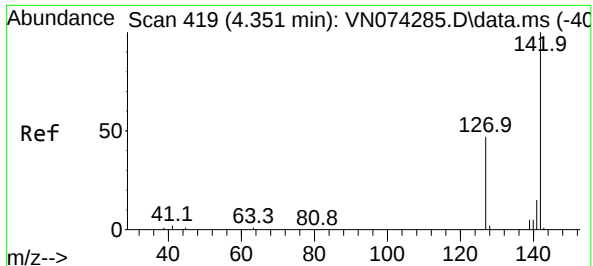
Tgt Ion:168 Resp: 321530
Ion Ratio Lower Upper
168 100
99 58.3 42.3 63.5



#3
Chloromethane
Concen: 0.261 ug/l
RT: 2.275 min Scan# 66
Delta R.T. 0.006 min
Lab File: VN074331.D
Acq: 03 Sep 2022 20:59

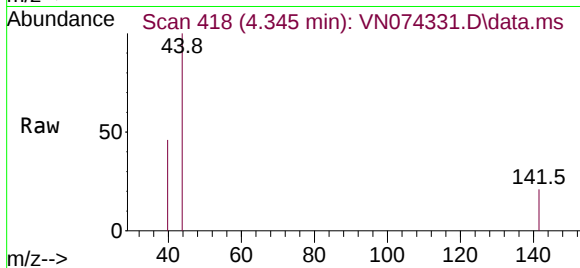
Tgt Ion: 50 Resp: 1145
Ion Ratio Lower Upper
50 100
52 27.3 25.7 38.5



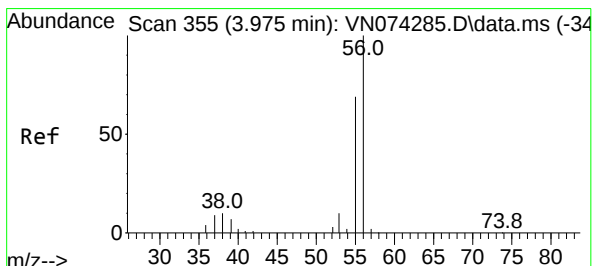
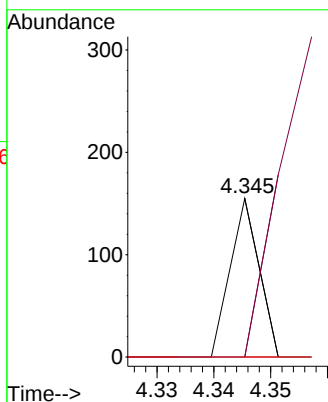
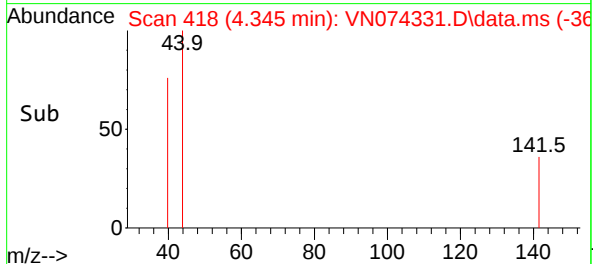


#10
Methyl Iodide
Concen: 5.062 ug/l
RT: 4.345 min Scan# 419
Delta R.T. -0.001 min
Lab File: VN074331.D
Acq: 03 Sep 2022 20:59

Instrument :
MSVOA_N
ClientSampleId :
DUP06-20220818

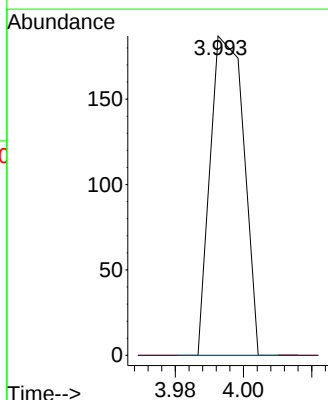
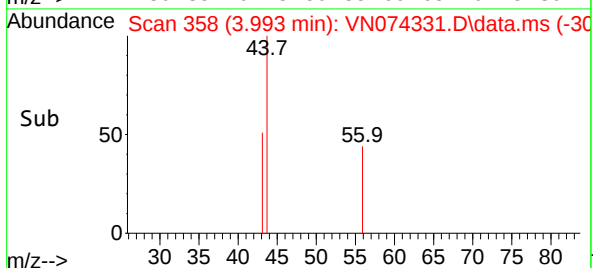
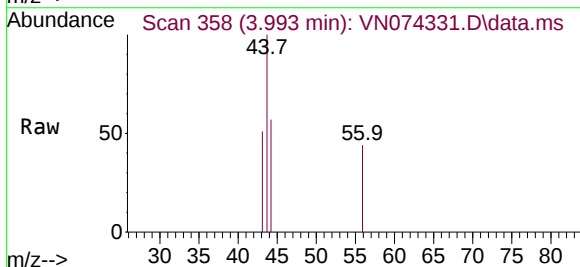


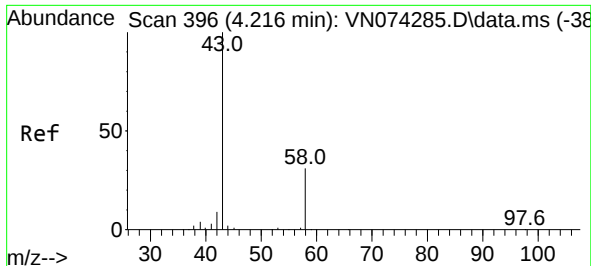
Tgt Ion:142 Resp: 55
Ion Ratio Lower Upper
142 100
127 0.0 31.3 46.9#
141 0.0 11.2 16.8#



#13
Acrolein
Concen: 0.208 ug/l
RT: 3.993 min Scan# 358
Delta R.T. 0.018 min
Lab File: VN074331.D
Acq: 03 Sep 2022 20:59

Tgt Ion: 56 Resp: 127
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#





#16

Acetone

Concen: 0.899 ug/l

RT: 4.240 min Scan# 400

Delta R.T. 0.018 min

Lab File: VN074331.D

Acq: 03 Sep 2022 20:59

Instrument :

MSVOA_N

ClientSampleId :

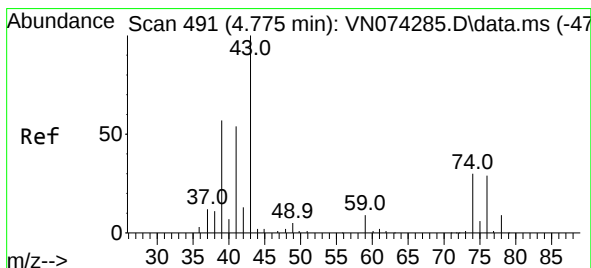
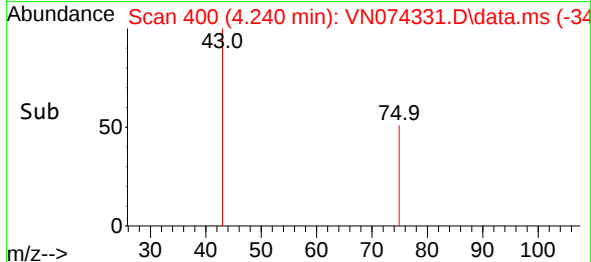
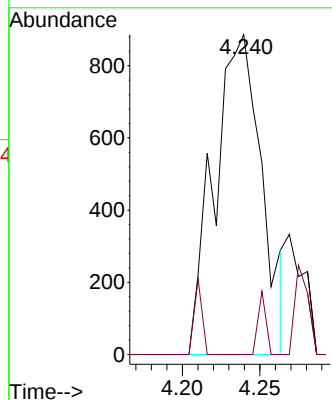
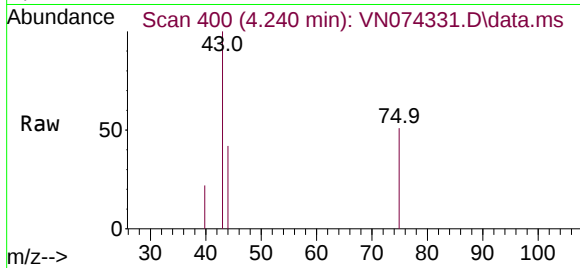
DUP06-20220818

Tgt Ion: 43 Resp: 1884

Ion Ratio Lower Upper

43 100

58 0.0 26.0 39.0#



#18

Methyl Acetate

Concen: 0.211 ug/l

RT: 4.787 min Scan# 493

Delta R.T. 0.012 min

Lab File: VN074331.D

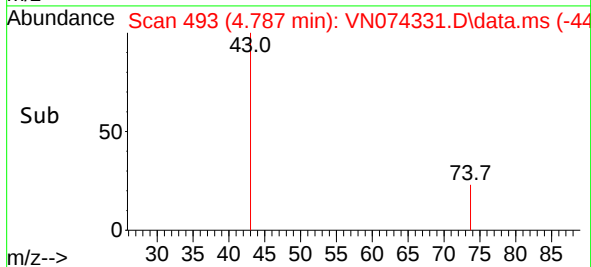
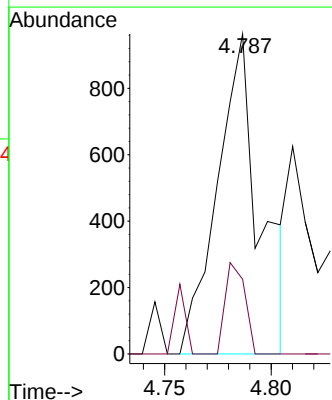
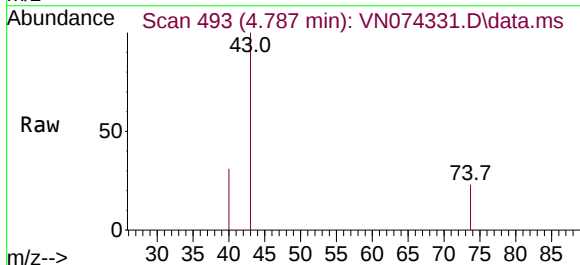
Acq: 03 Sep 2022 20:59

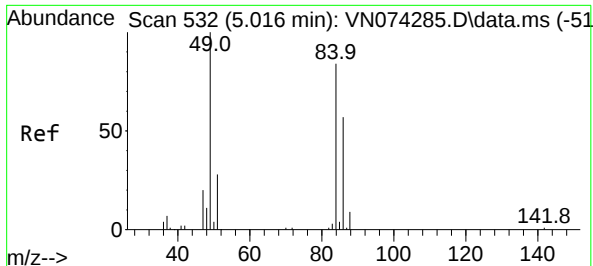
Tgt Ion: 43 Resp: 1328

Ion Ratio Lower Upper

43 100

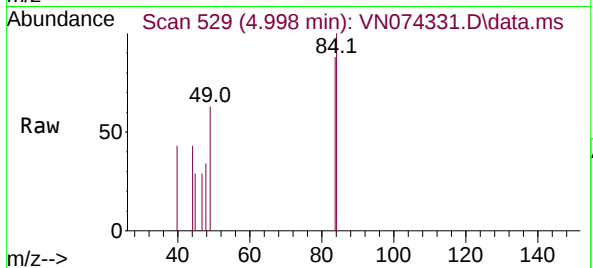
74 13.3 21.6 32.4#



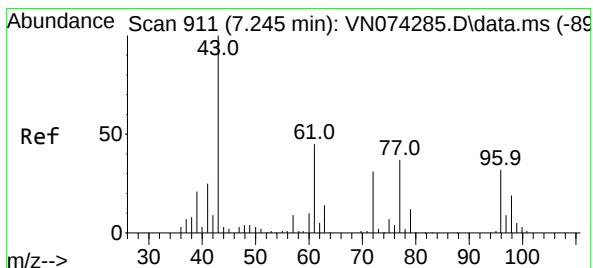
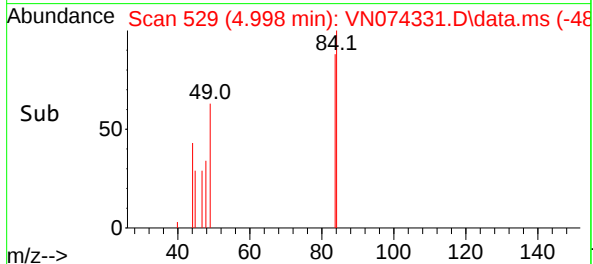
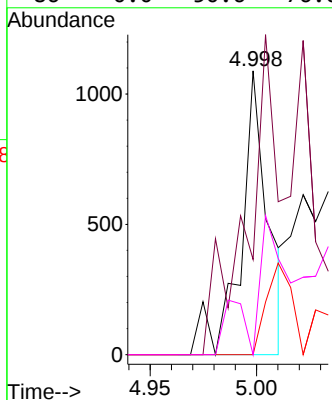


#20
Methylene Chloride
Concen: Below Cal
RT: 4.998 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN074331.D
Acq: 03 Sep 2022 20:59

Instrument :
MSVOA_N
ClientSampleId :
DUP06-20220818

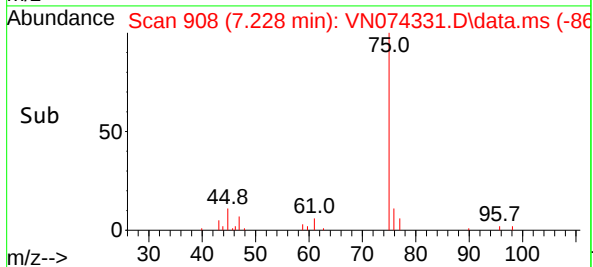
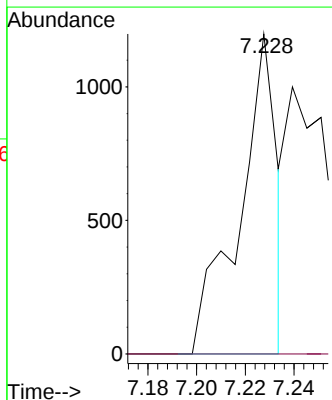
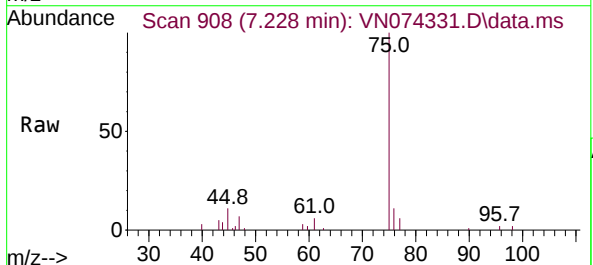


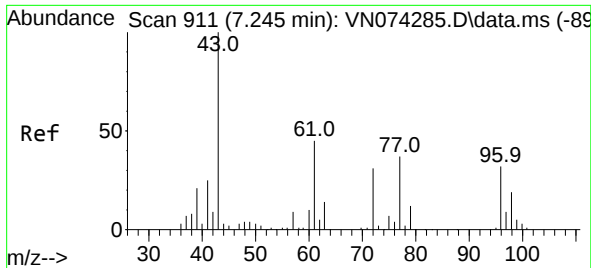
Tgt Ion:	84	Resp:	975
Ion	Ratio	Lower	Upper
84	100		
49	33.5	88.3	132.5#
51	0.0	28.2	42.2#
86	0.0	50.6	76.0#



#26
2,2-Dichloropropane
Concen: 0.220 ug/l
RT: 7.228 min Scan# 908
Delta R.T. -0.017 min
Lab File: VN074331.D
Acq: 03 Sep 2022 20:59

Tgt Ion:	77	Resp:	1287
Ion	Ratio	Lower	Upper
77	100		
97	0.0	11.4	34.2#

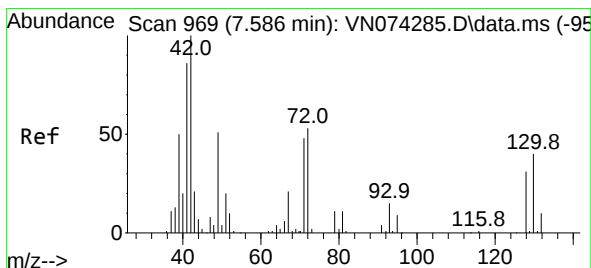
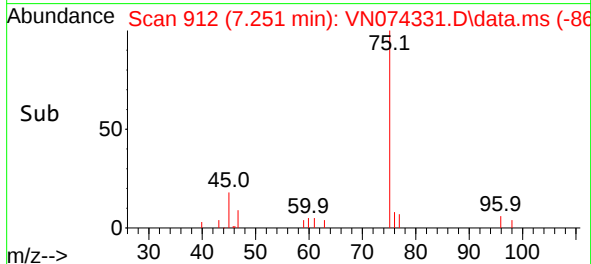
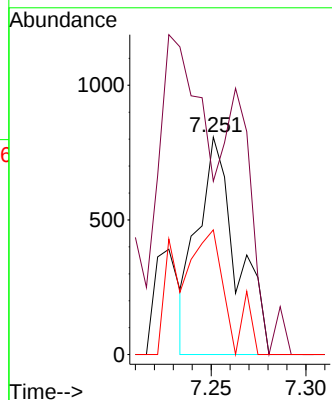
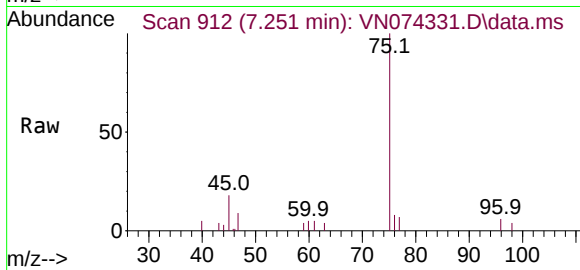




#27
 cis-1,2-Dichloroethene
 Concen: 0.250 ug/l
 RT: 7.251 min Scan# 911
 Delta R.T. 0.006 min
 Lab File: VN074331.D
 Acq: 03 Sep 2022 20:59

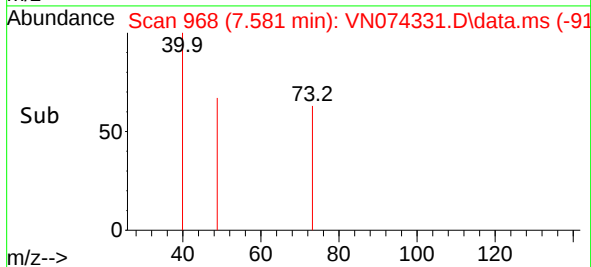
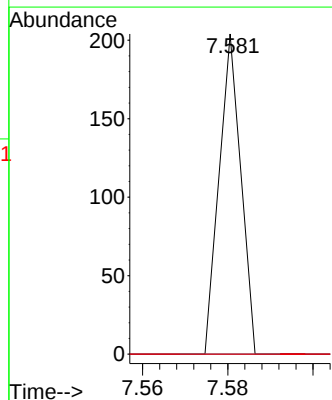
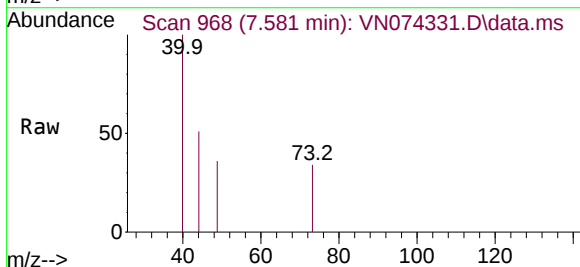
Instrument :
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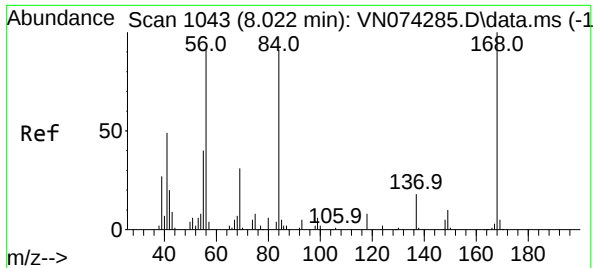
Tgt Ion: 96 Resp: 1154
 Ion Ratio Lower Upper
 96 100
 61 0.0 0.0 280.6
 98 71.9 0.0 128.4



#28
 Bromochloromethane
 Concen: 0.278 ug/l
 RT: 7.581 min Scan# 968
 Delta R.T. -0.005 min
 Lab File: VN074331.D
 Acq: 03 Sep 2022 20:59

Tgt Ion: 49 Resp: 72
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.6
 130 0.0 69.7 104.5#

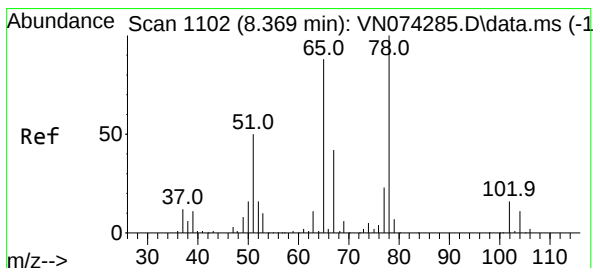
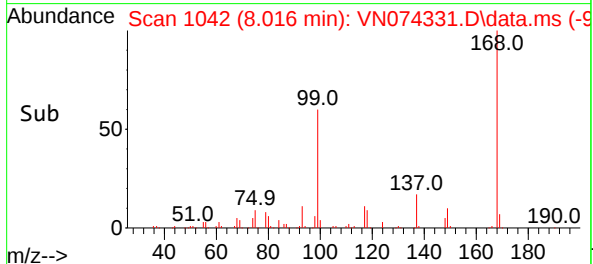
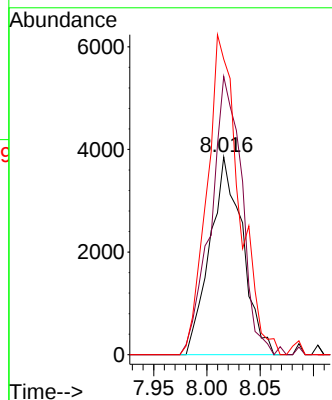
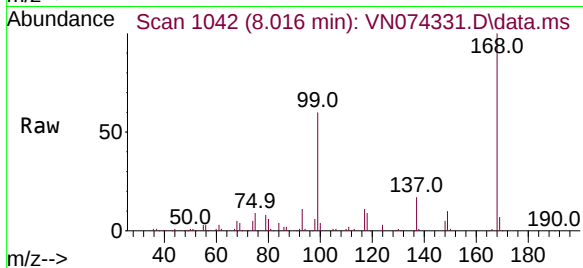




#31
Cyclohexane
Concen: 1.226 ug/l
RT: 8.016 min Scan# 1103
Delta R.T. -0.006 min
Lab File: VN074331.D
Acq: 03 Sep 2022 20:59

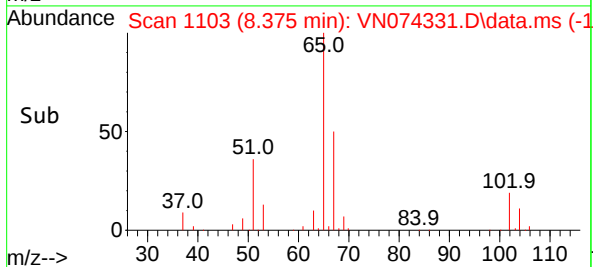
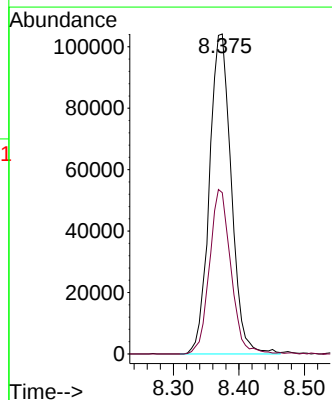
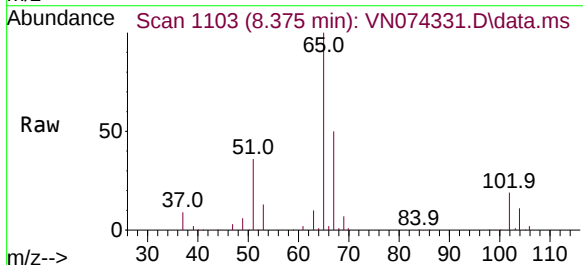
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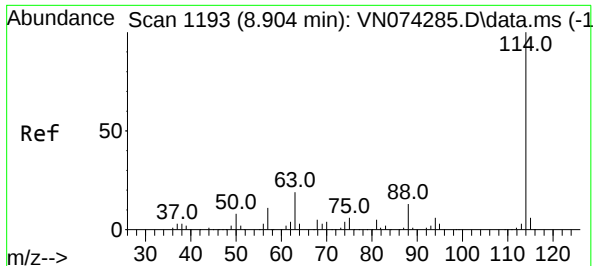
Tgt Ion: 56 Resp: 8208
Ion Ratio Lower Upper
56 100
69 133.8 27.8 41.8#
84 142.1 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 48.095 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN074331.D
Acq: 03 Sep 2022 20:59

Tgt Ion: 65 Resp: 241057
Ion Ratio Lower Upper
65 100
67 50.2 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: VN074331.D

Acq: 03 Sep 2022 20:59

Instrument :

MSVOA_N

ClientSampleId :

DUP06-20220818

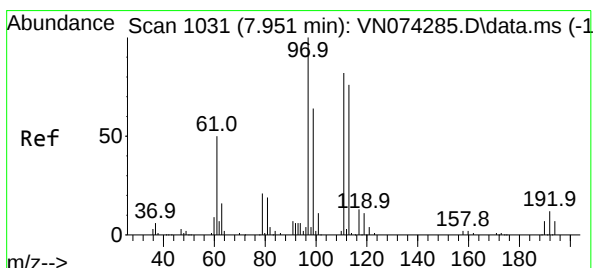
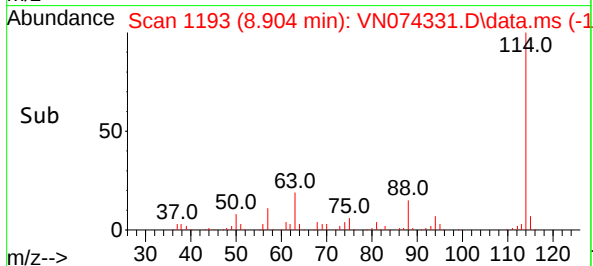
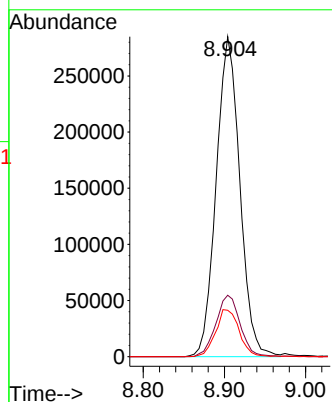
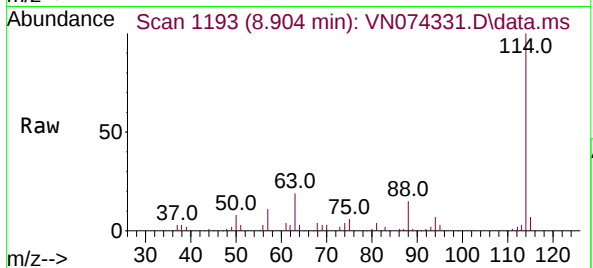
Tgt Ion:114 Resp: 577963

Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.0

88 14.5 0.0 32.6



#35

Dibromofluoromethane

Concen: 53.513 ug/l

RT: 7.957 min Scan# 1032

Delta R.T. 0.006 min

Lab File: VN074331.D

Acq: 03 Sep 2022 20:59

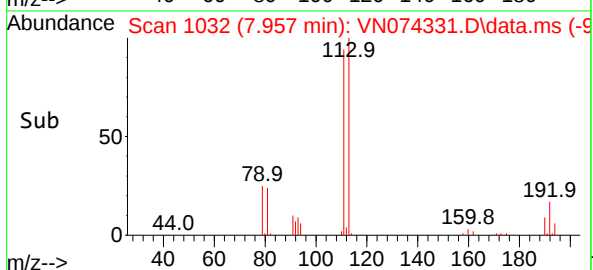
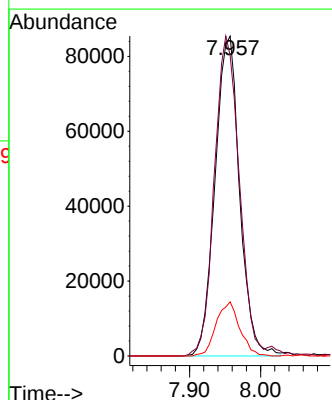
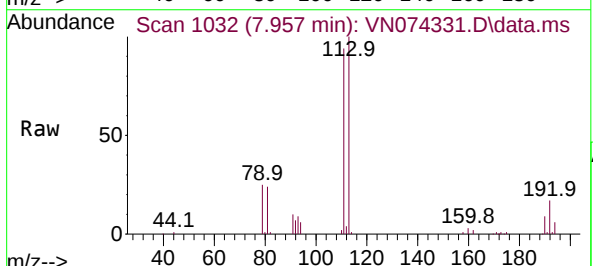
Tgt Ion:113 Resp: 204947

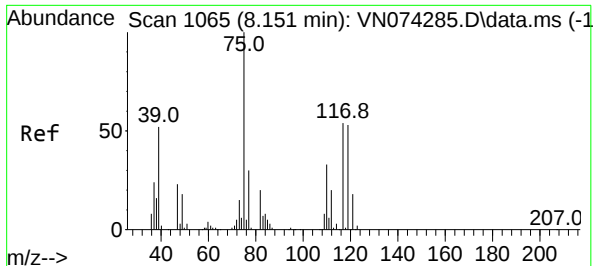
Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.0

192 16.2 17.0 25.6#





#36

1,1-Dichloropropene

Concen: 5.456 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.141 min

Lab File: VN074331.D

Acq: 03 Sep 2022 20:59

Instrument :

MSVOA_N

ClientSampleId :

DUP06-20220818

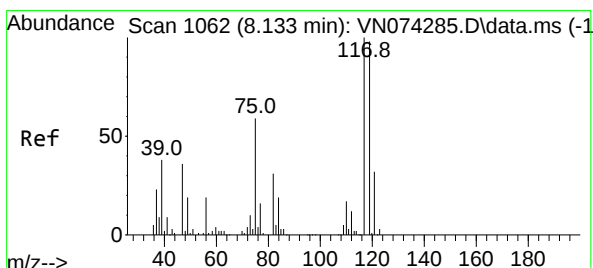
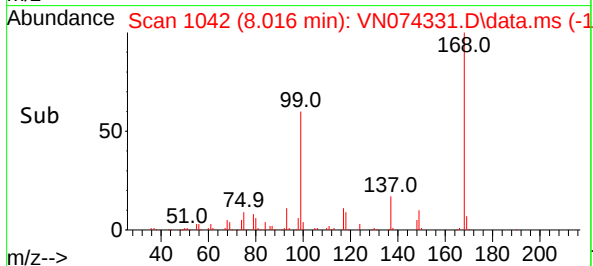
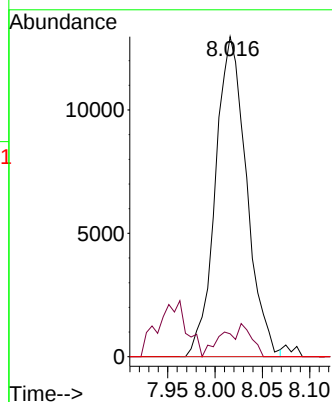
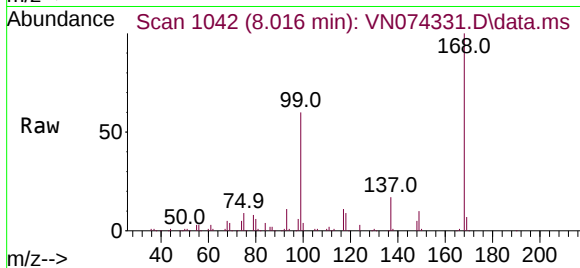
Tgt Ion: 75 Resp: 29659

Ion Ratio Lower Upper

75 100

110 9.4 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.358 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.117 min

Lab File: VN074331.D

Acq: 03 Sep 2022 20:59

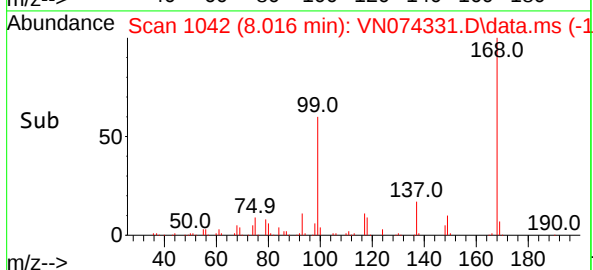
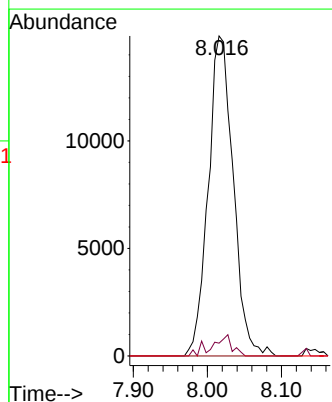
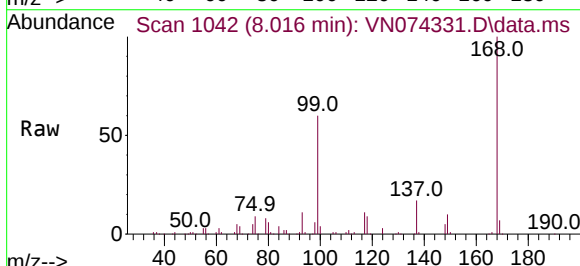
Tgt Ion: 117 Resp: 34914

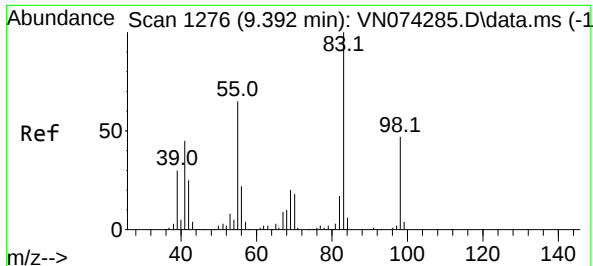
Ion Ratio Lower Upper

117 100

119 4.0 75.8 113.8#

121 0.0 24.6 37.0#





#39

Methylcyclohexane

Concen: 0.327 ug/l

RT: 9.145 min Scan# 1148

Delta R.T. -0.247 min

Lab File: VN074331.D

Acq: 03 Sep 2022 20:59

Instrument :

MSVOA_N

ClientSampleId :

DUP06-20220818

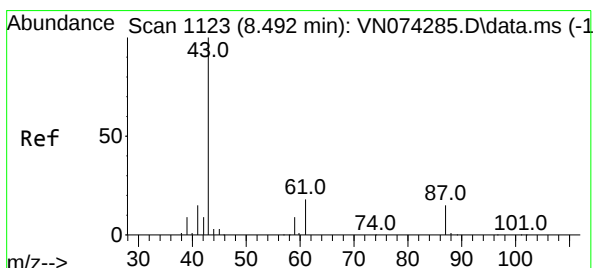
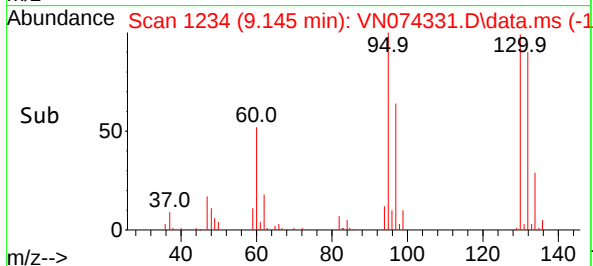
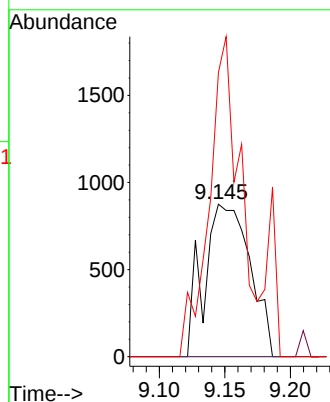
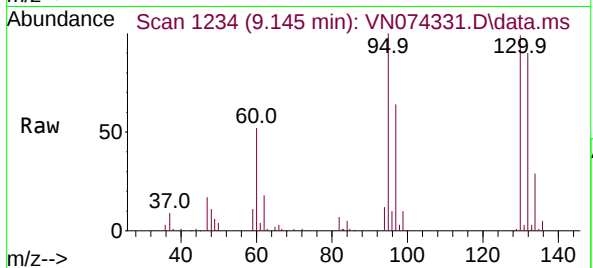
Tgt Ion: 83 Resp: 2142

Ion Ratio Lower Upper

83 100

55 0.0 57.8 86.8#

98 186.5 39.4 59.2#



#43

Isopropyl Acetate

Concen: 0.284 ug/l

RT: 8.639 min Scan# 1148

Delta R.T. 0.147 min

Lab File: VN074331.D

Acq: 03 Sep 2022 20:59

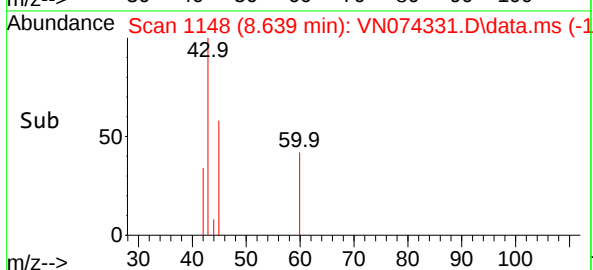
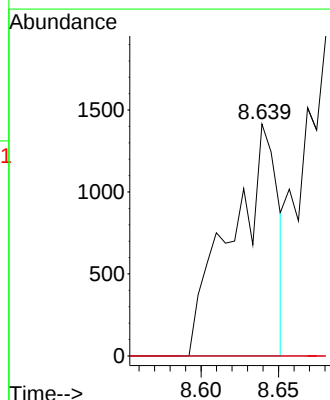
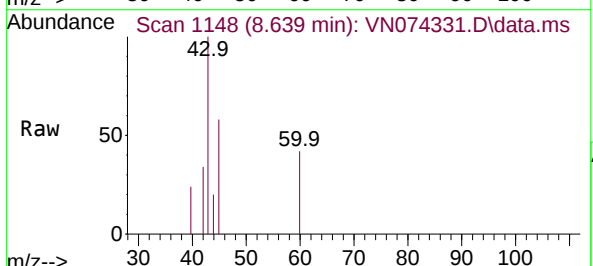
Tgt Ion: 43 Resp: 2933

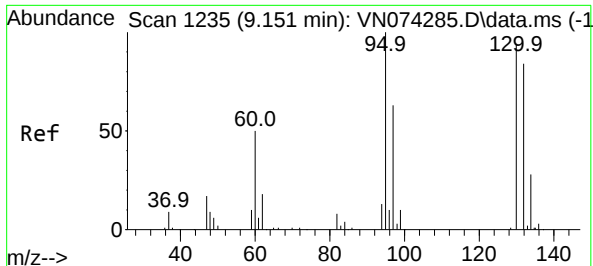
Ion Ratio Lower Upper

43 100

61 0.0 21.9 32.9#

87 0.0 12.0 18.0#

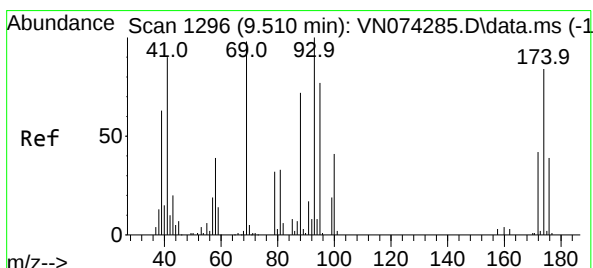
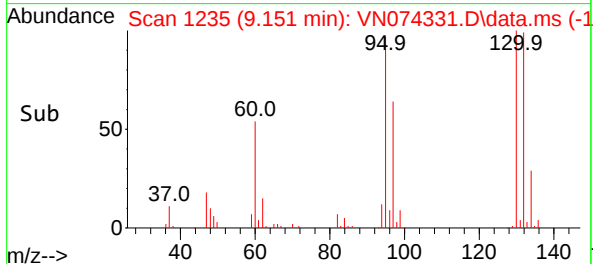
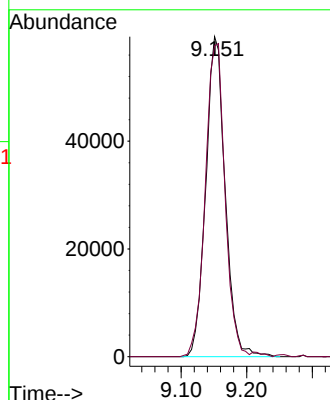
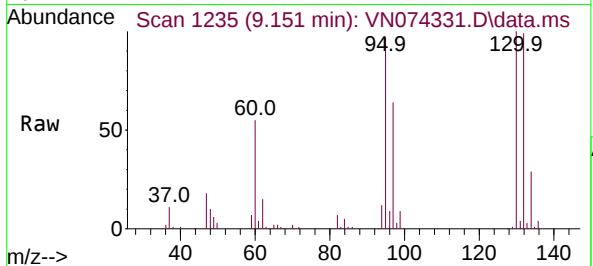




#44
Trichloroethene
Concen: 30.005 ug/l
RT: 9.151 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN074331.D
Acq: 03 Sep 2022 20:59

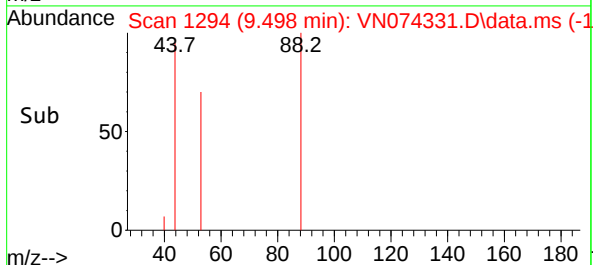
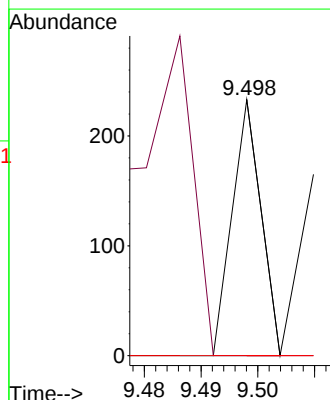
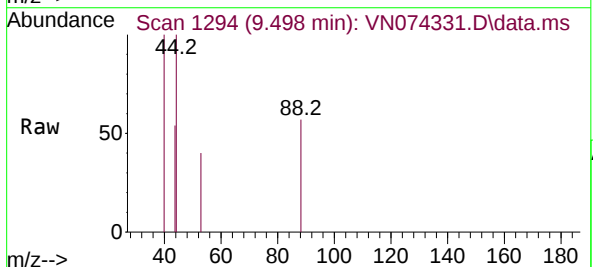
Instrument :
MSVOA_N
ClientSampleId :
DUP06-20220818

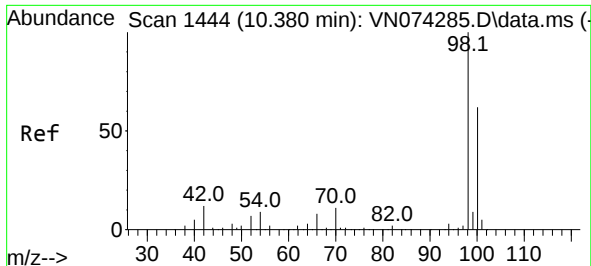
Tgt Ion:130 Resp: 122445
Ion Ratio Lower Upper
130 100
95 97.2 0.0 186.8



#49
1,4-Dioxane
Concen: 0.702 ug/l
RT: 9.498 min Scan# 1294
Delta R.T. -0.006 min
Lab File: VN074331.D
Acq: 03 Sep 2022 20:59

Tgt Ion: 88 Resp: 82
Ion Ratio Lower Upper
88 100
43 273.2 20.2 30.4#
58 0.0 54.2 81.4#

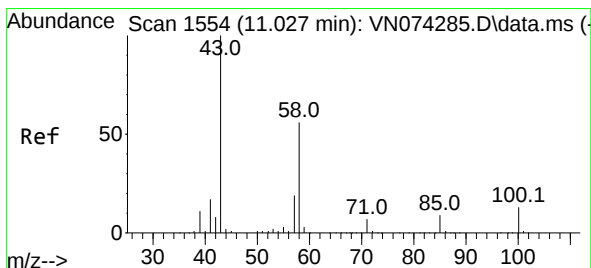
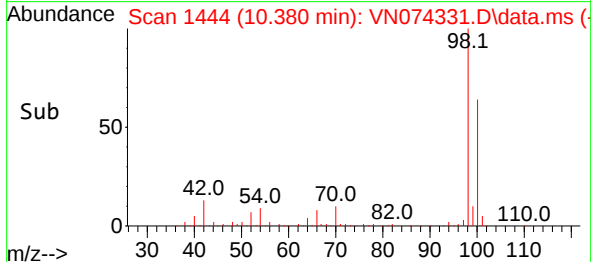
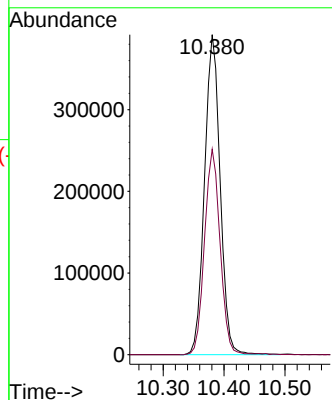
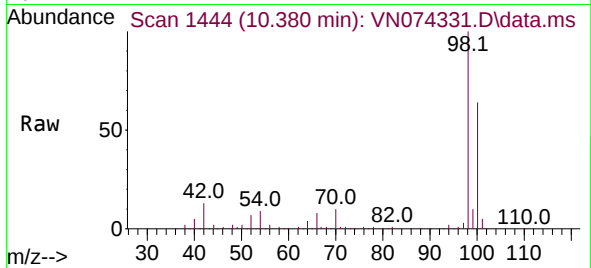




#50
Toluene-d8
Concen: 46.199 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074331.D
Acq: 03 Sep 2022 20:59

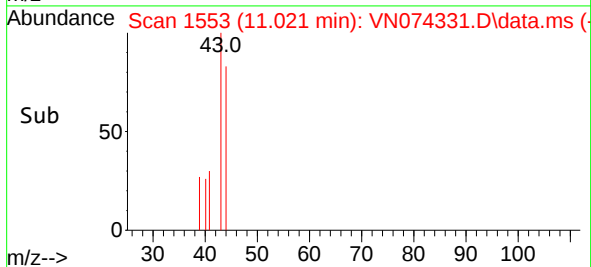
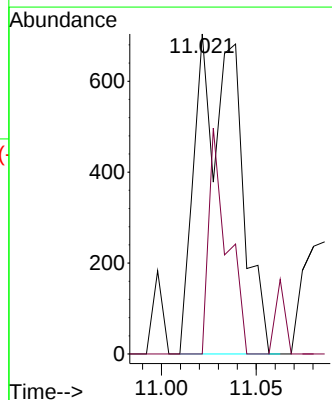
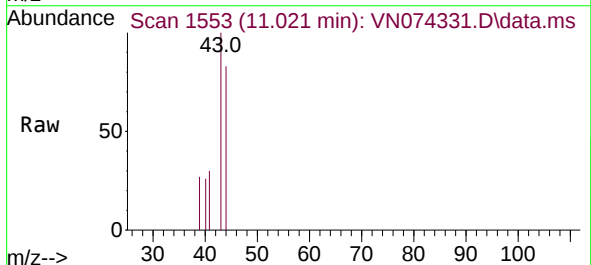
Instrument :
MSVOA_N
ClientSampleId :
DUP06-20220818

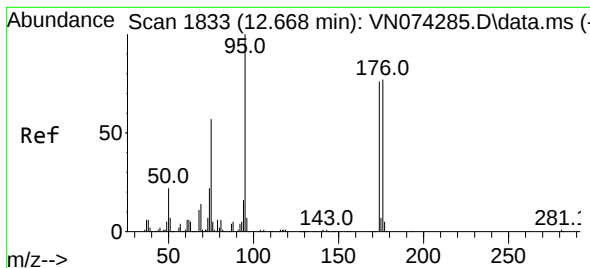
Tgt Ion: 98 Resp: 697698
Ion Ratio Lower Upper
98 100
100 63.9 52.6 78.8



#59
2-Hexanone
Concen: 0.203 ug/l
RT: 11.021 min Scan# 1553
Delta R.T. -0.006 min
Lab File: VN074331.D
Acq: 03 Sep 2022 20:59

Tgt Ion: 43 Resp: 1108
Ion Ratio Lower Upper
43 100
58 30.5 29.7 89.1

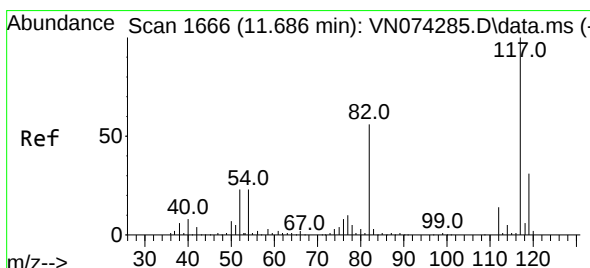
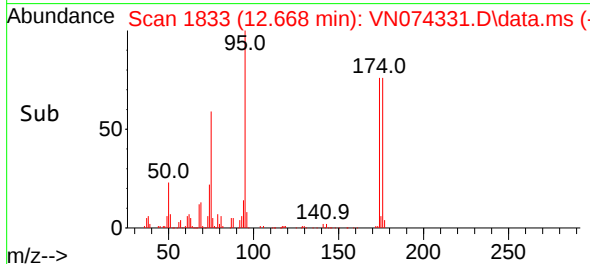
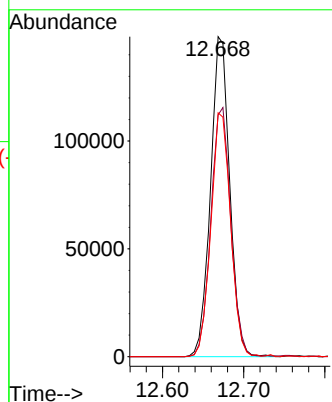
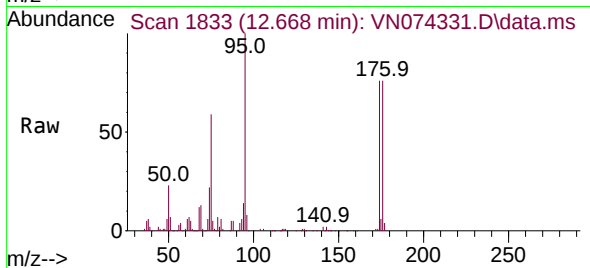




#62
4-Bromofluorobenzene
Concen: 44.472 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.001 min
Lab File: VN074331.D
Acq: 03 Sep 2022 20:59

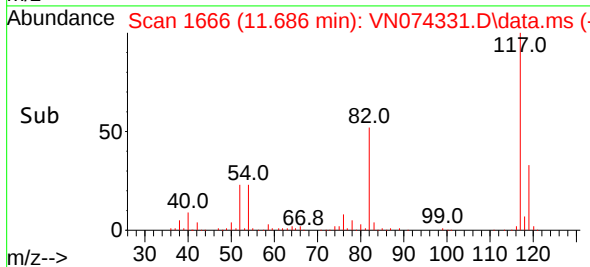
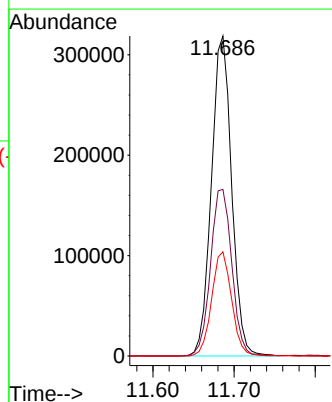
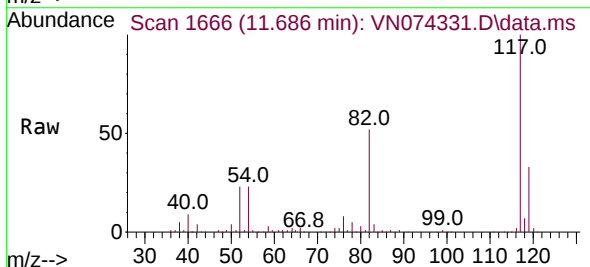
Instrument :
MSVOA_N
ClientSampleId :
DUP06-20220818

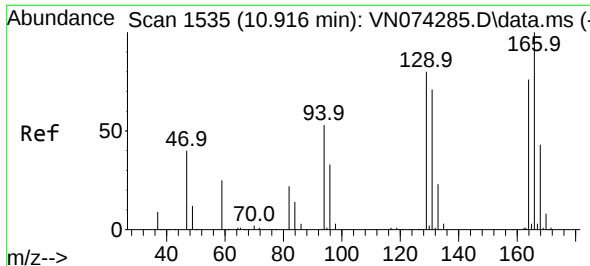
Tgt Ion: 95 Resp: 243913
Ion Ratio Lower Upper
95 100
174 80.6 0.0 167.6
176 78.0 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074331.D
Acq: 03 Sep 2022 20:59

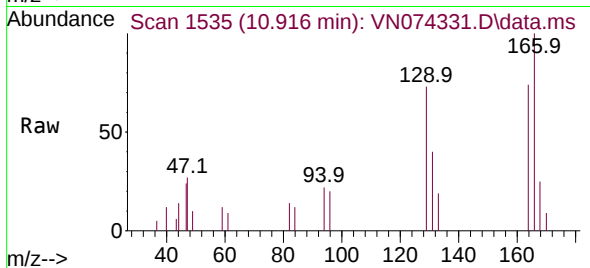
Tgt Ion: 117 Resp: 552666
Ion Ratio Lower Upper
117 100
82 52.1 44.2 66.2
119 32.6 25.4 38.0



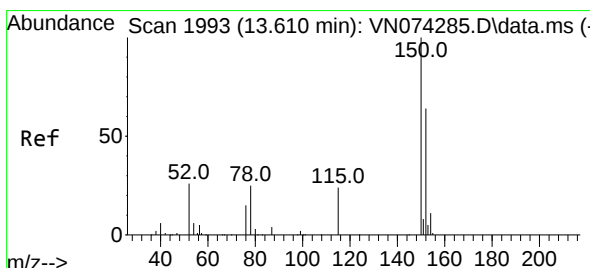
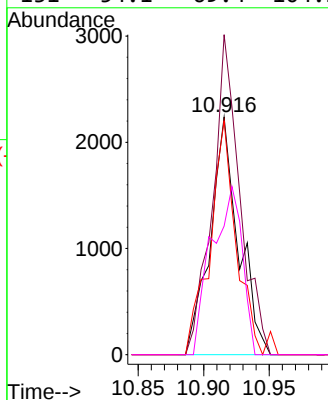
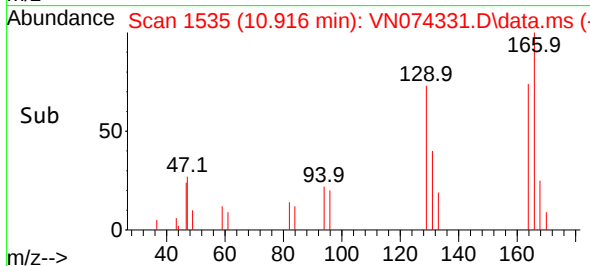


#64
Tetrachloroethene
Concen: 0.972 ug/l
RT: 10.916 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN074331.D
Acq: 03 Sep 2022 20:59

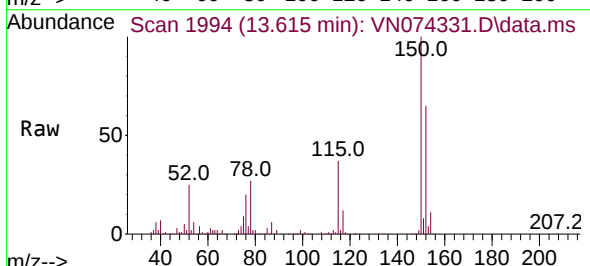
Instrument :
MSVOA_N
ClientSampleId :
DUP06-20220818



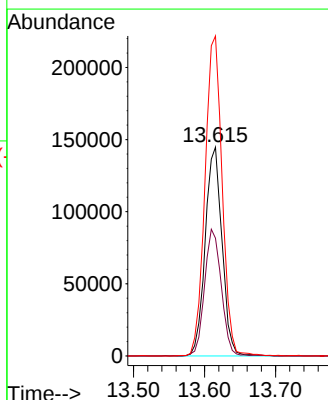
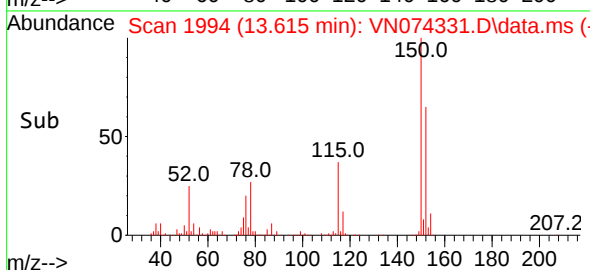
Tgt Ion:164 Resp: 3376
Ion Ratio Lower Upper
164 100
166 134.6 104.2 156.2
129 98.4 73.9 110.9
131 54.1 69.4 104.2#

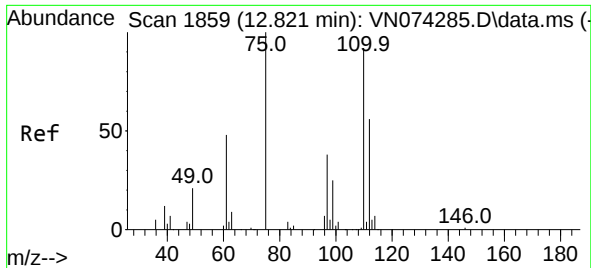


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.005 min
Lab File: VN074331.D
Acq: 03 Sep 2022 20:59



Tgt Ion:152 Resp: 238654
Ion Ratio Lower Upper
152 100
115 60.2 28.9 86.7
150 156.4 0.0 356.2

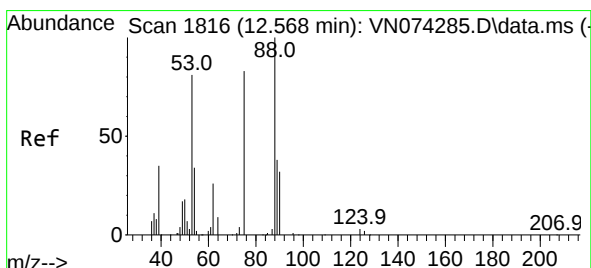
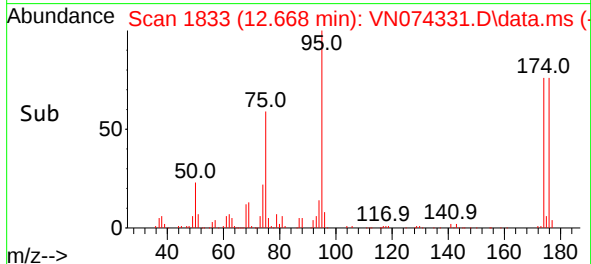
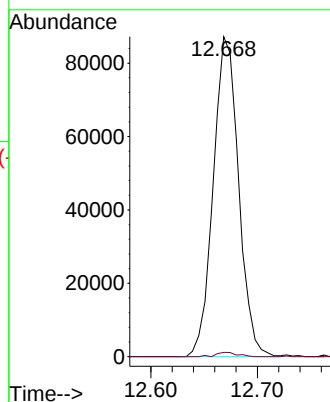
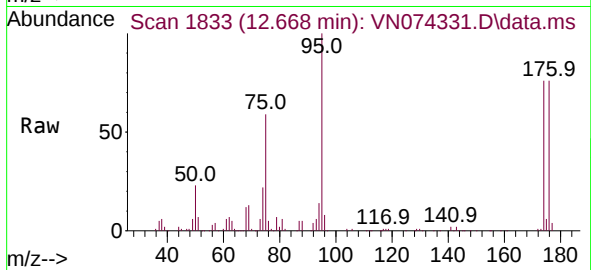




#76
1,2,3-Trichloropropane
Concen: 21.310 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.153 min
Lab File: VN074331.D
Acq: 03 Sep 2022 20:59

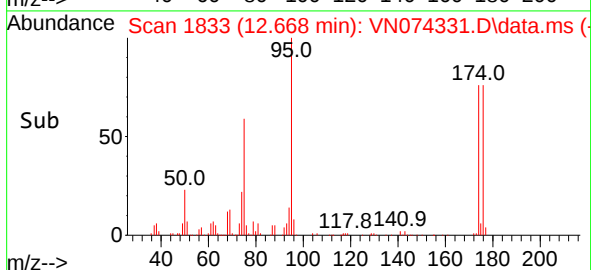
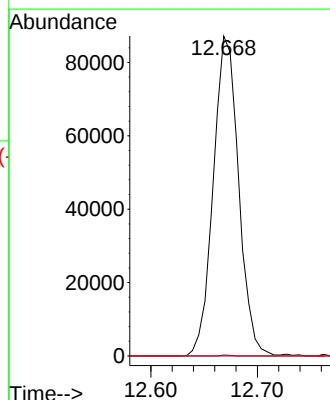
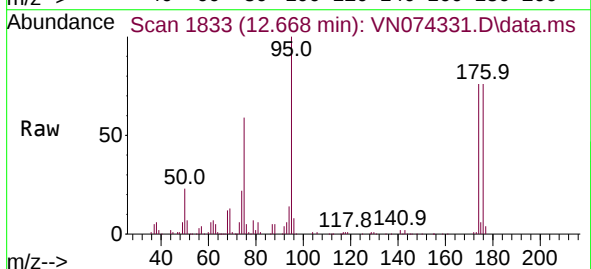
Instrument :
MSVOA_N
ClientSampleId :
DUP06-20220818

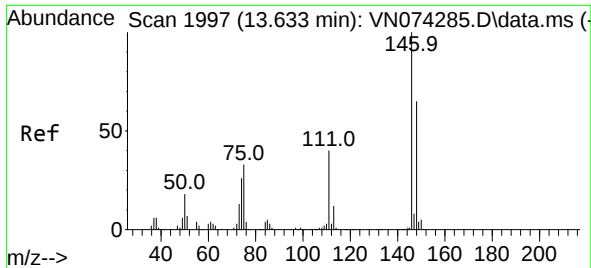
Tgt Ion: 75 Resp: 144037
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.177 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.105 min
Lab File: VN074331.D
Acq: 03 Sep 2022 20:59

Tgt Ion: 75 Resp: 144037
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#

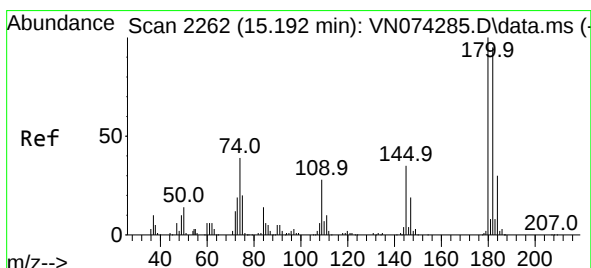
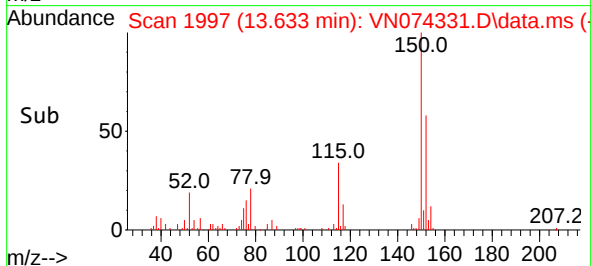
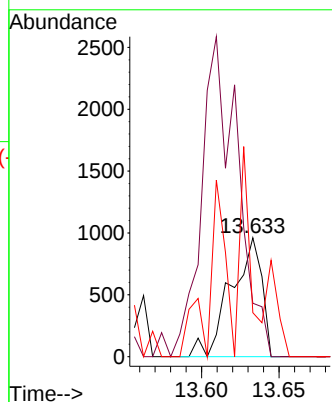
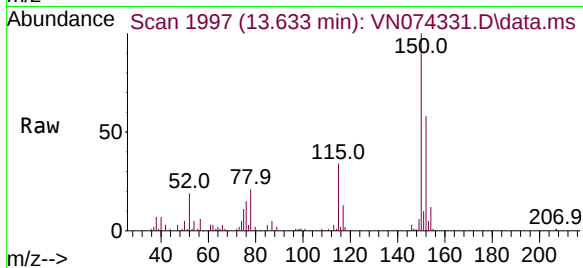




#88
 1,4-Dichlorobenzene
 Concen: 0.321 ug/l
 RT: 13.633 min Scan# 1997
 Delta R.T. 0.000 min
 Lab File: VN074331.D
 Acq: 03 Sep 2022 20:59

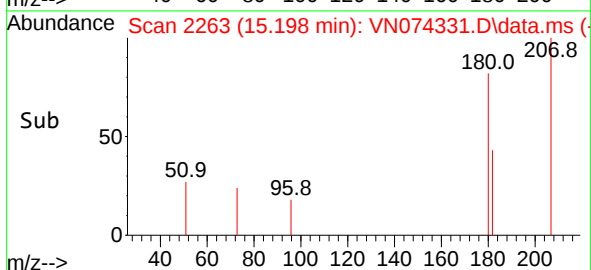
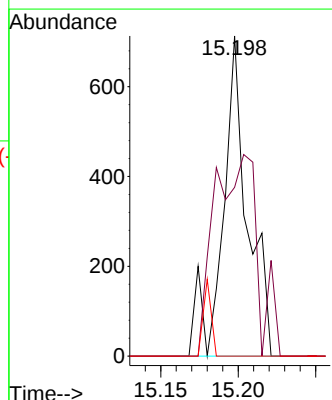
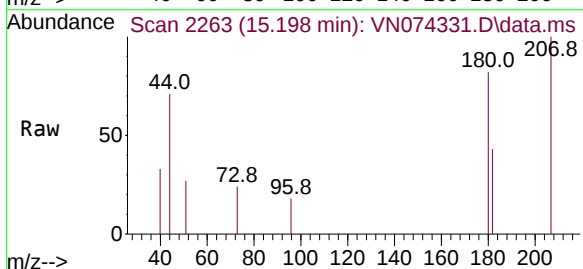
Instrument :
 MSVOA_N
 ClientSampleId :
 DUP06-20220818

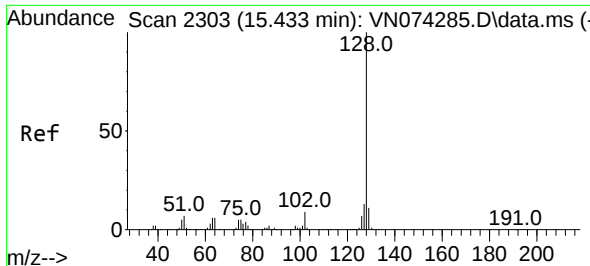
Tgt Ion:146 Resp: 1325
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.1 57.1#
 148 62.0 31.4 94.3



#93
 1,2,4-Trichlorobenzene
 Concen: 1.030 ug/l
 RT: 15.198 min Scan# 2263
 Delta R.T. -0.000 min
 Lab File: VN074331.D
 Acq: 03 Sep 2022 20:59

Tgt Ion:180 Resp: 789
 Ion Ratio Lower Upper
 180 100
 182 110.0 47.5 142.5
 145 0.0 14.5 43.5#

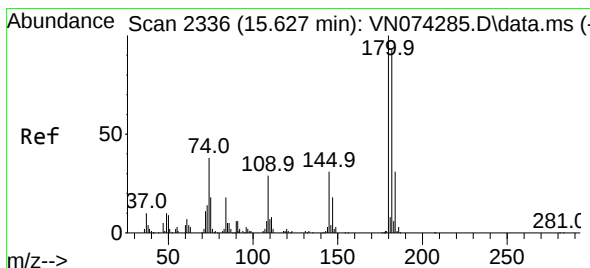
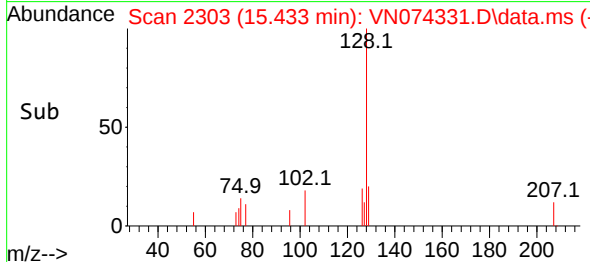
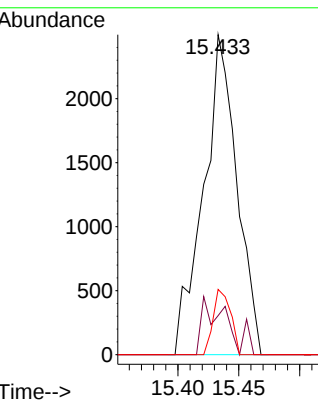
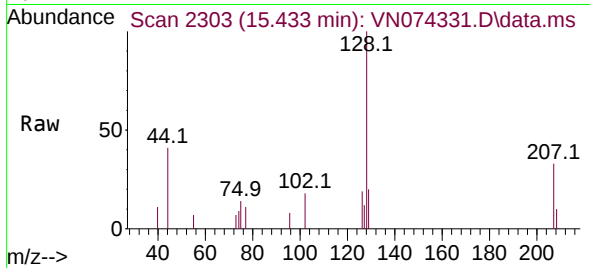




#95
Naphthalene
Concen: 1.036 ug/l
RT: 15.433 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN074331.D
Acq: 03 Sep 2022 20:59

Instrument :
MSVOA_N
ClientSampleId :
DUP06-20220818

Tgt Ion:	128	Resp:	4785
Ion	Ratio	Lower	Upper
128	100		
127	11.4	10.3	15.5
129	10.6	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.688 ug/l
RT: 15.627 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VN074331.D
Acq: 03 Sep 2022 20:59

Tgt Ion:	180	Resp:	1248
Ion	Ratio	Lower	Upper
180	100		
182	70.0	47.8	143.3
145	0.0	15.5	46.5

