

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090922\
 Data File : VN074392.D
 Acq On : 09 Sep 2022 23:00
 Operator : JC\MD
 Sample : N4471-18
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB01-083122

Quant Time: Sep 10 07:28:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090922W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 10 06:10:29 2022
 Response via : Initial Calibration

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

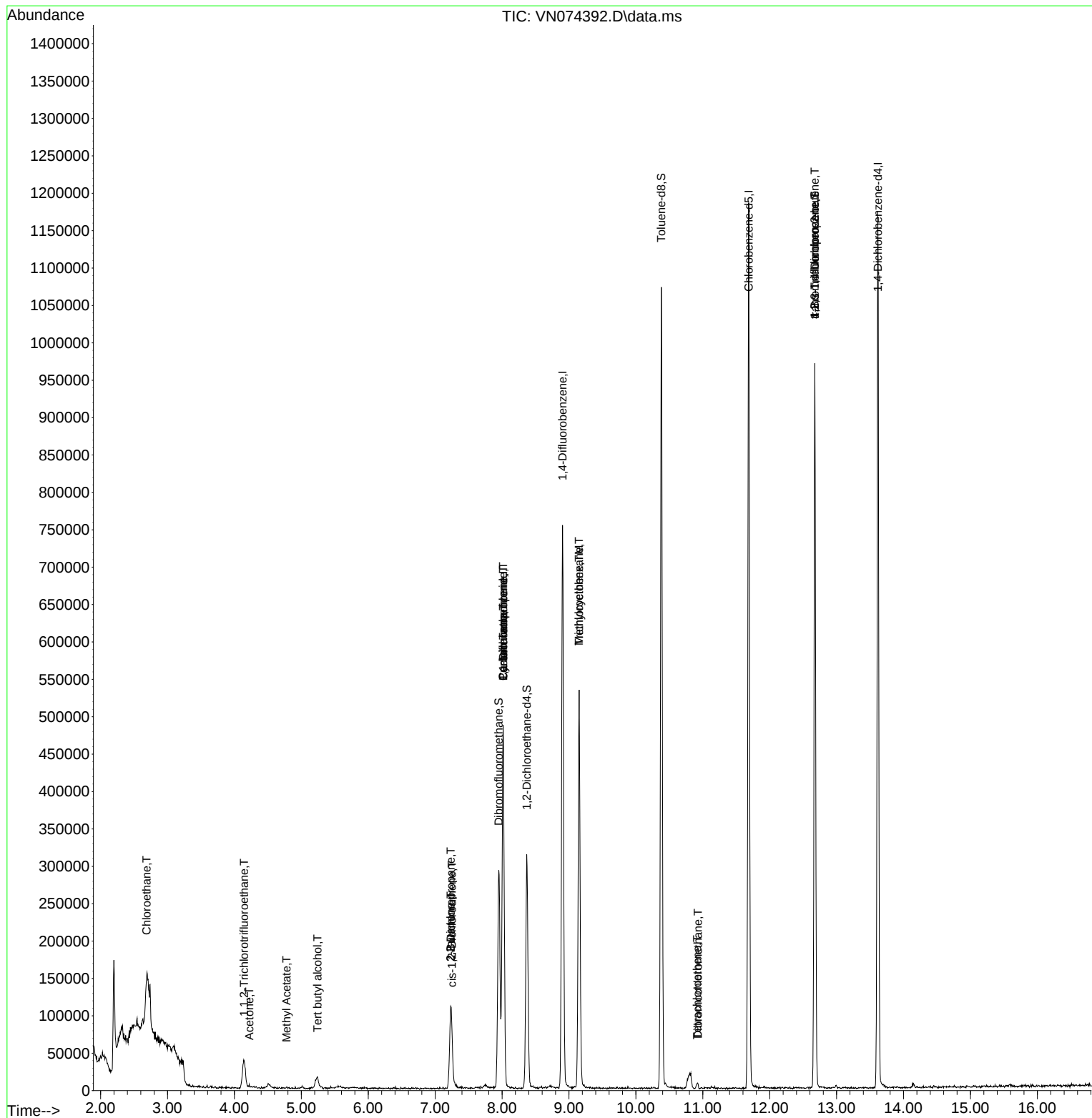
Internal Standards						
1) Pentafluorobenzene	8.016	168	333581	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	597845	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	593835	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	277876	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	247362	42.860	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	85.720%		
35) Dibromofluoromethane	7.951	113	203273	50.364	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.720%		
50) Toluene-d8	10.380	98	686088	43.627	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	87.260%		
62) 4-Bromofluorobenzene	12.674	95	290551	50.888	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.780%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.257	50	1041	Below Cal	#	69
6) Chloroethane	2.687	64	32429	3.203	ug/l #	59
9) 1,1,2-Trichlorotrifluo...	4.146	101	22798	5.335	ug/l	95
11) Tert butyl alcohol	5.240	59	14591	9.665	ug/l #	73
16) Acetone	4.222	43	6656	2.136	ug/l	98
18) Methyl Acetate	4.781	43	2849	0.310	ug/l #	63
20) Methylene Chloride	5.010	84	671	Below Cal	#	39
25) 2-Butanone	7.234	43	3461	0.662	ug/l #	76
26) 2,2-Dichloropropane	7.234	77	7049	0.826	ug/l #	57
27) cis-1,2-Dichloroethene	7.251	96	4205	0.732	ug/l	36
31) Cyclohexane	8.016	56	9573	1.043	ug/l #	19
36) 1,1-Dichloropropene	8.016	75	32324	4.861	ug/l #	53
38) Carbon Tetrachloride	8.016	117	35343	5.149	ug/l #	18
39) Methylcyclohexane	9.151	83	2357	0.280	ug/l #	1
44) Trichloroethene	9.151	130	166434	36.466	ug/l	96
60) Dibromochloromethane	10.927	129	1761	0.335	ug/l #	11
64) Tetrachloroethene	10.916	164	1096	0.272	ug/l #	74
74) N-amyl acetate	12.345	43	174	Below Cal	#	46
76) 1,2,3-Trichloropropane	12.674	75	182466	25.119	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	182466	55.989	ug/l #	9
92) 1,2-Dibromo-3-Chloropr...	14.533	75	68	Below Cal	#	8

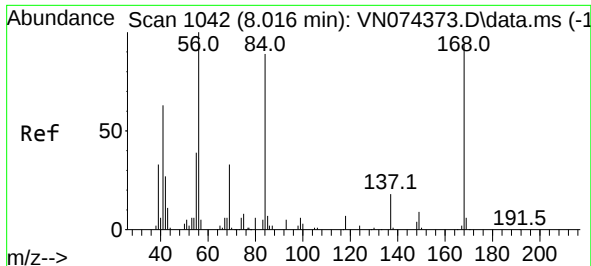
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

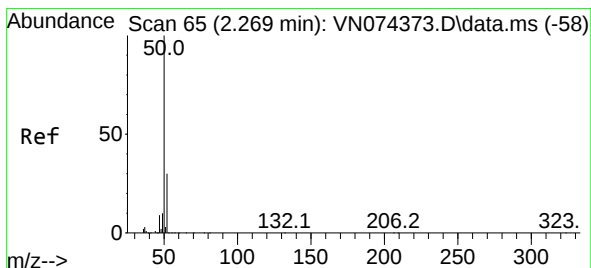
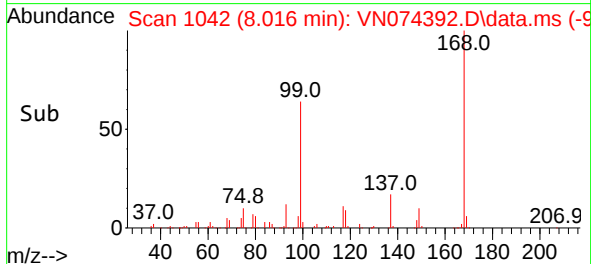
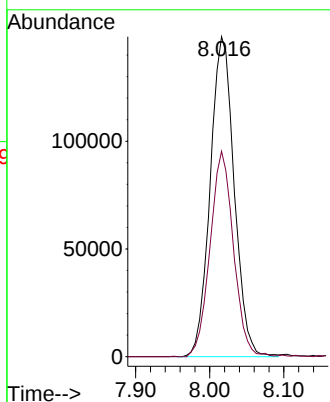
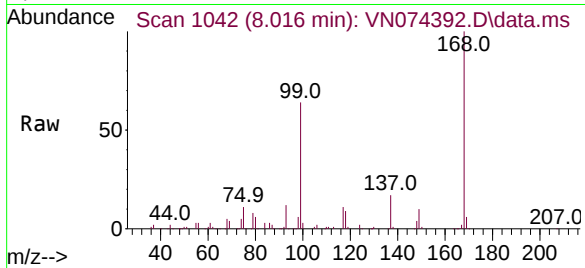




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074392.D
Acq: 09 Sep 2022 23:00

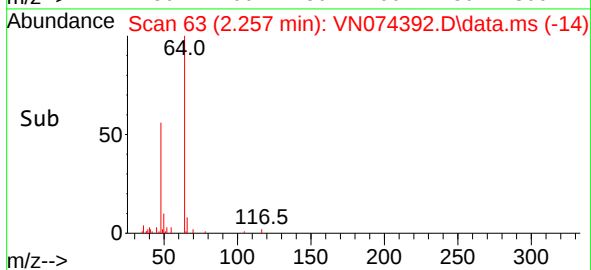
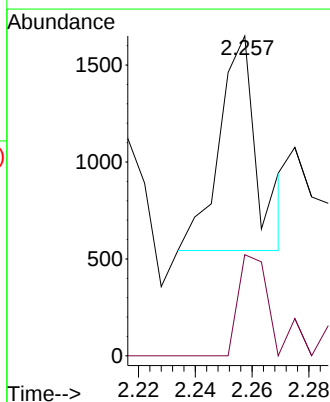
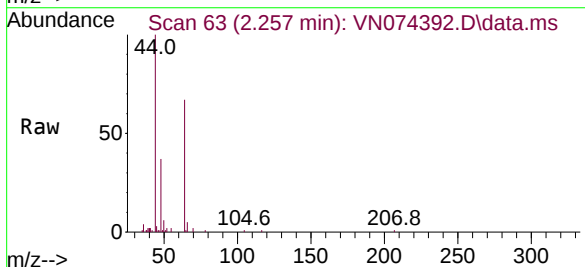
Instrument :
MSVOA_N
ClientSampleId :
TB01-083122

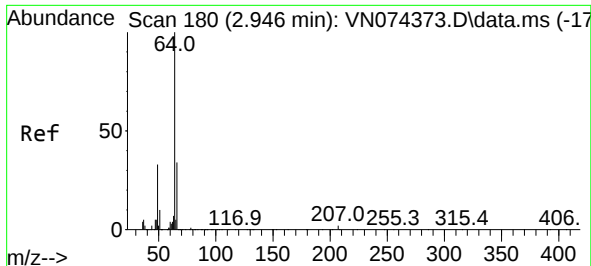
Tgt Ion:168 Resp: 333581
Ion Ratio Lower Upper
168 100
99 64.2 52.8 79.2



#3
Chloromethane
Concen: Below Cal
RT: 2.257 min Scan# 63
Delta R.T. -0.012 min
Lab File: VN074392.D
Acq: 09 Sep 2022 23:00

Tgt Ion: 50 Resp: 1041
Ion Ratio Lower Upper
50 100
52 47.2 24.1 36.1#

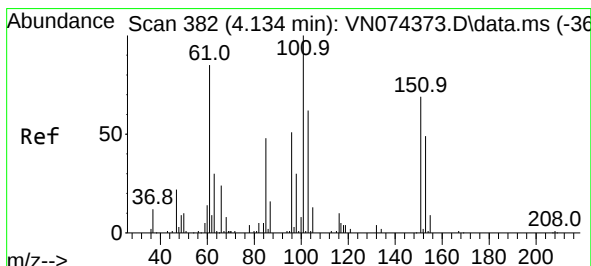
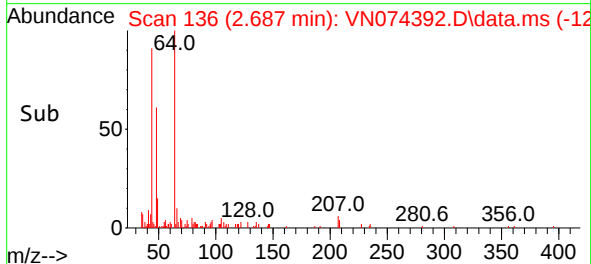
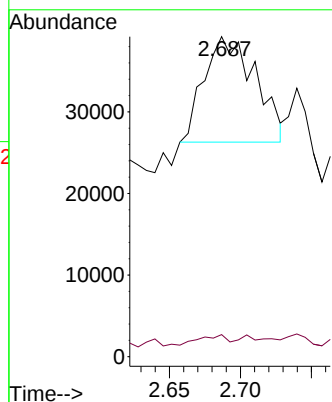
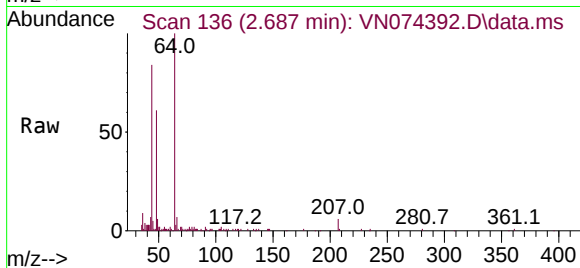




#6
Chloroethane
Concen: 3.203 ug/l
RT: 2.687 min Scan# 11
Delta R.T. -0.259 min
Lab File: VN074392.D
Acq: 09 Sep 2022 23:00

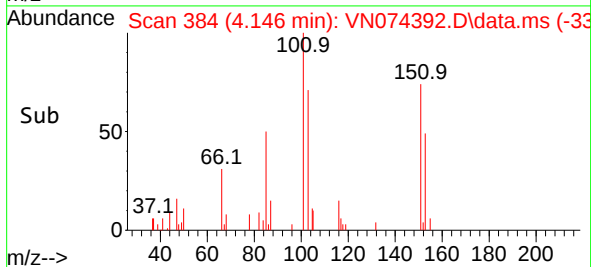
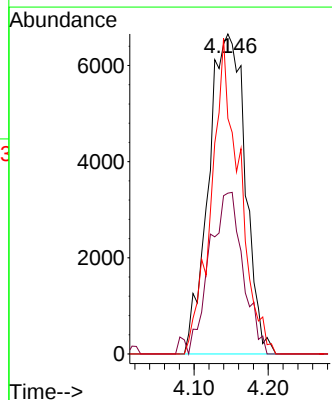
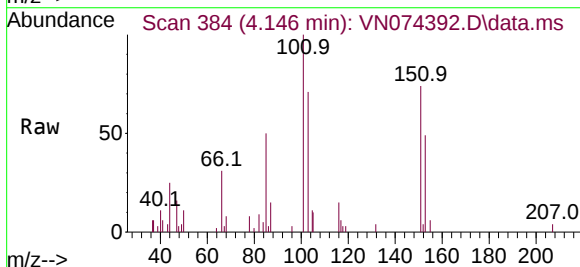
Instrument :
MSVOA_N
ClientSampleId :
TB01-083122

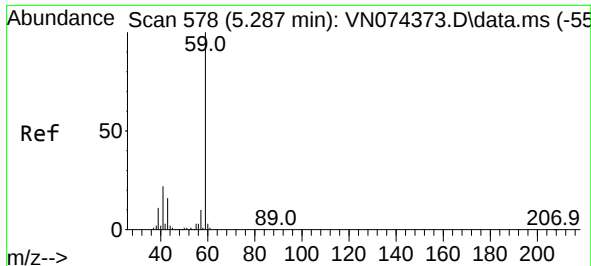
Tgt Ion: 64 Resp: 32429
Ion Ratio Lower Upper
64 100
66 10.0 26.5 39.7#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.335 ug/l
RT: 4.146 min Scan# 384
Delta R.T. 0.012 min
Lab File: VN074392.D
Acq: 09 Sep 2022 23:00

Tgt Ion: 101 Resp: 22798
Ion Ratio Lower Upper
101 100
85 46.0 39.5 59.3
151 75.9 57.8 86.6





#11

Tert butyl alcohol

Concen: 9.665 ug/l

RT: 5.240 min Scan# 51

Delta R.T. -0.047 min

Lab File: VN074392.D

Acq: 09 Sep 2022 23:00

Instrument :

MSVOA_N

ClientSampleId :

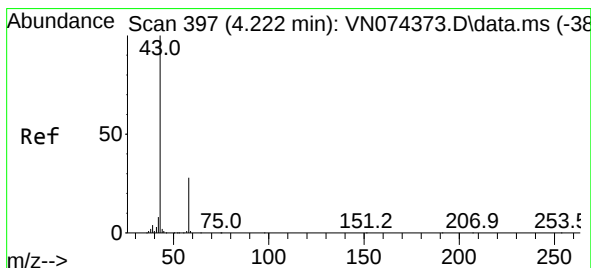
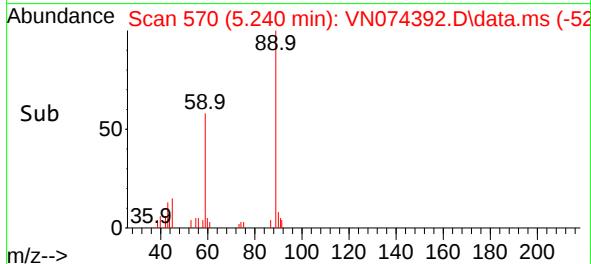
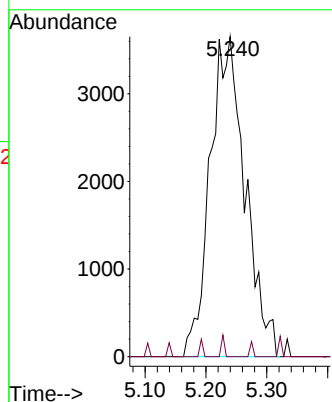
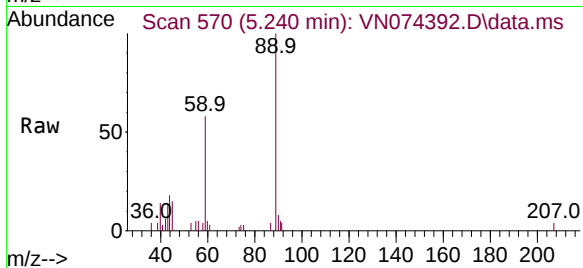
TB01-083122

Tgt Ion: 59 Resp: 14591

Ion Ratio Lower Upper

59 100

57 0.6 8.8 13.2#



#16

Acetone

Concen: 2.136 ug/l

RT: 4.222 min Scan# 397

Delta R.T. 0.000 min

Lab File: VN074392.D

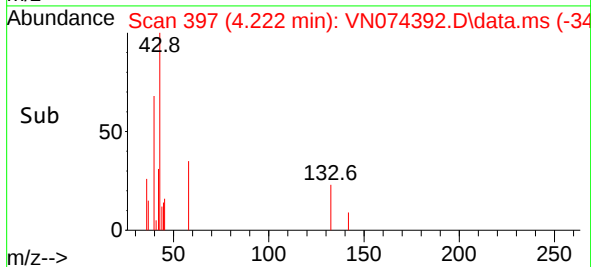
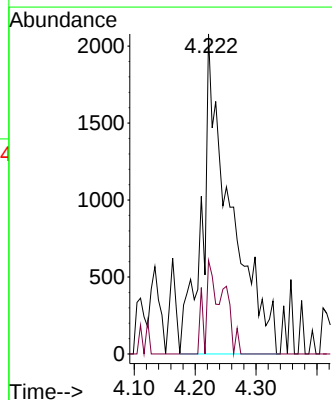
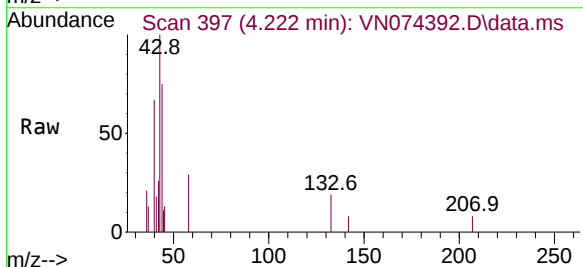
Acq: 09 Sep 2022 23:00

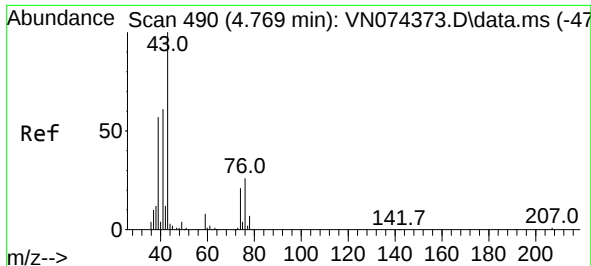
Tgt Ion: 43 Resp: 6656

Ion Ratio Lower Upper

43 100

58 29.2 22.7 34.1

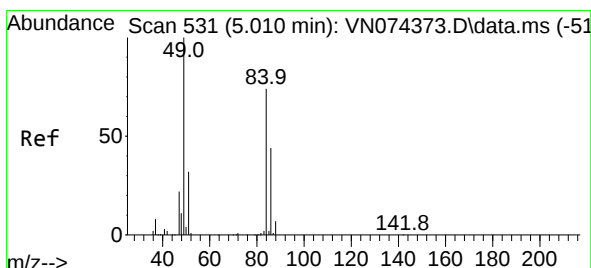
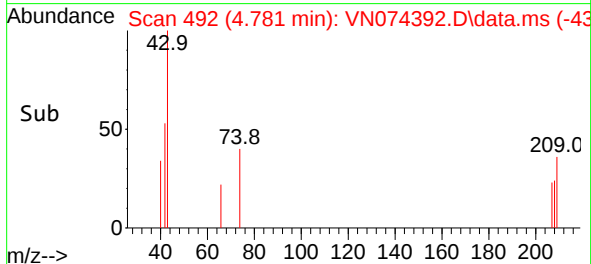
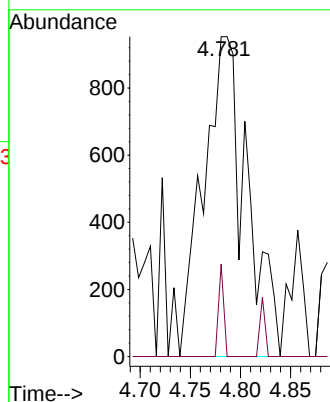
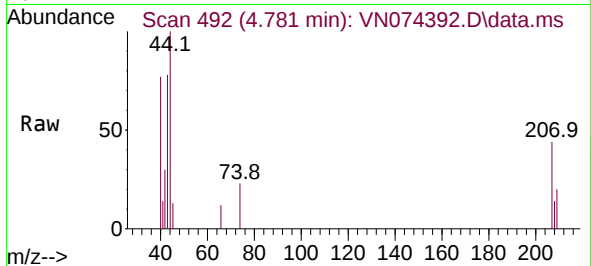




#18
Methyl Acetate
Concen: 0.310 ug/l
RT: 4.781 min Scan# 492
Delta R.T. 0.012 min
Lab File: VN074392.D
Acq: 09 Sep 2022 23:00

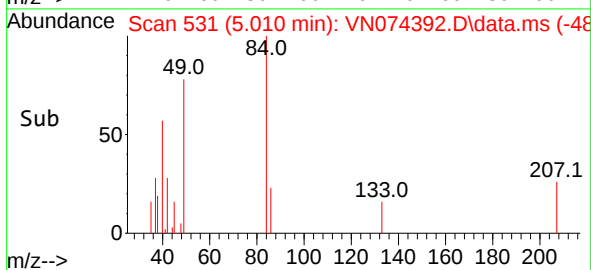
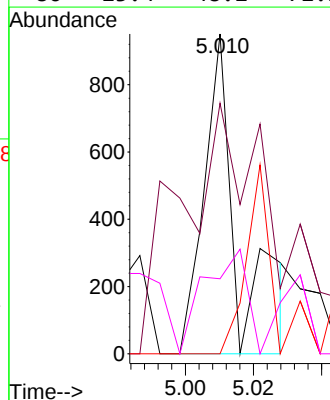
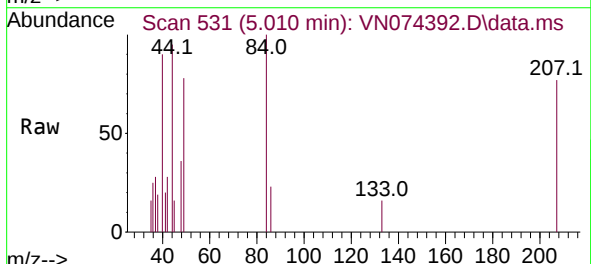
Instrument :
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ClientSampleId :
TB01-083122

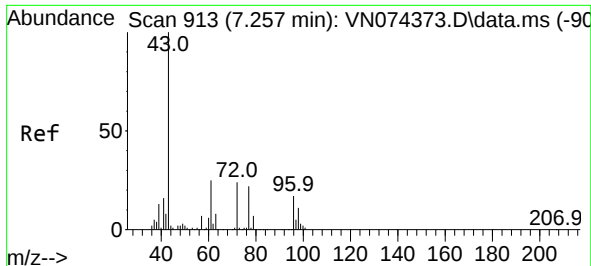
Tgt Ion: 43 Resp: 2849
Ion Ratio Lower Upper
43 100
74 3.4 16.7 25.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.010 min Scan# 531
Delta R.T. 0.000 min
Lab File: VN074392.D
Acq: 09 Sep 2022 23:00

Tgt Ion: 84 Resp: 671
Ion Ratio Lower Upper
84 100
49 57.9 108.2 162.4#
51 0.0 34.3 51.5#
86 23.4 48.2 72.2#

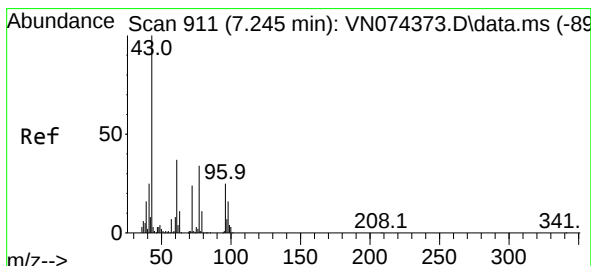
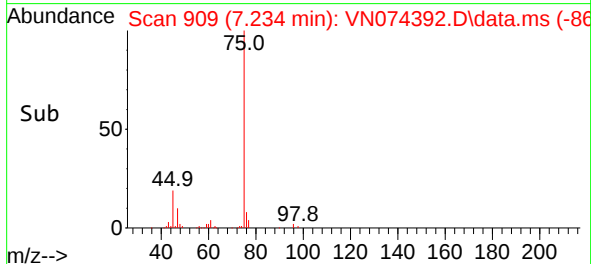
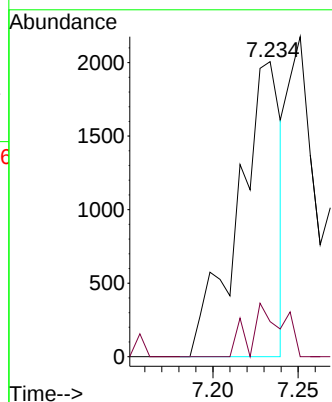
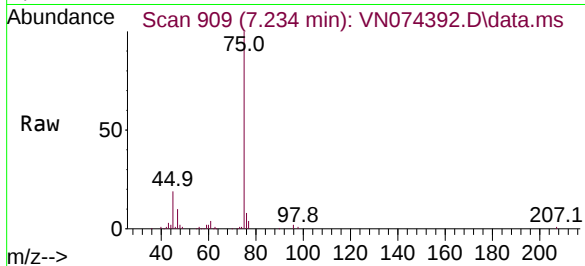




#25
2-Butanone
Concen: 0.662 ug/l
RT: 7.234 min Scan# 909
Delta R.T. -0.024 min
Lab File: VN074392.D
Acq: 09 Sep 2022 23:00

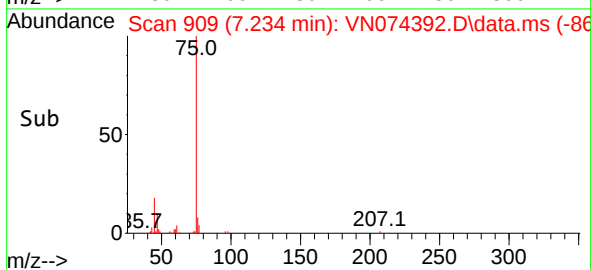
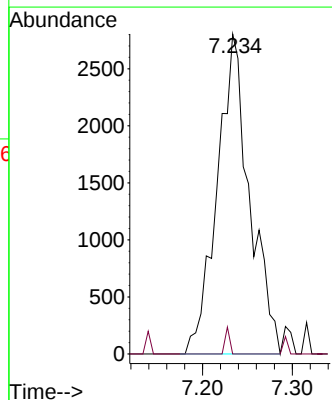
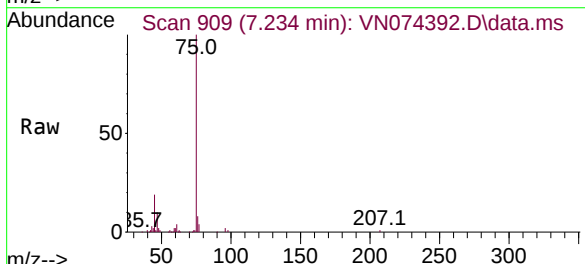
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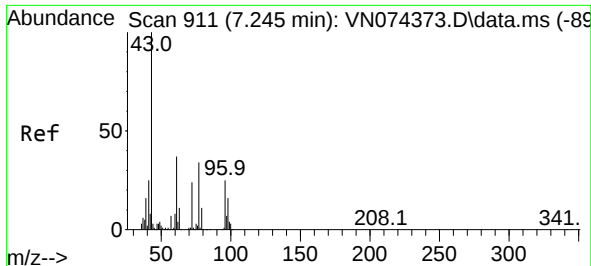
Tgt Ion: 43 Resp: 3461
Ion Ratio Lower Upper
43 100
72 11.9 18.9 28.3#



#26
2,2-Dichloropropane
Concen: 0.826 ug/l
RT: 7.234 min Scan# 909
Delta R.T. -0.012 min
Lab File: VN074392.D
Acq: 09 Sep 2022 23:00

Tgt Ion: 77 Resp: 7049
Ion Ratio Lower Upper
77 100
97 1.2 10.7 32.1#





#27

cis-1,2-Dichloroethene

Concen: 0.732 ug/l

RT: 7.251 min Scan# 911

Delta R.T. 0.006 min

Lab File: VN074392.D

Acq: 09 Sep 2022 23:00

Instrument :

MSVOA_N

ClientSampleId :

TB01-083122

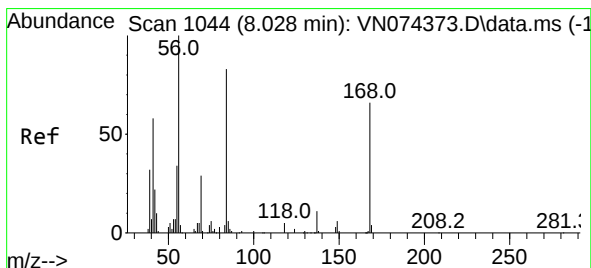
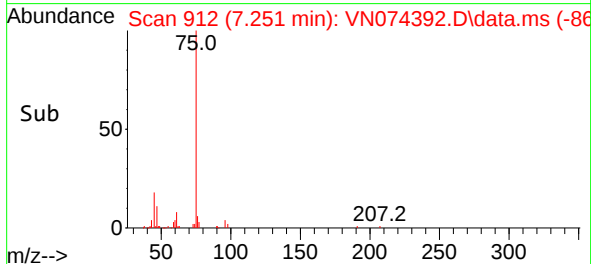
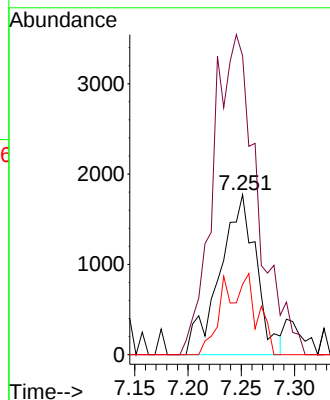
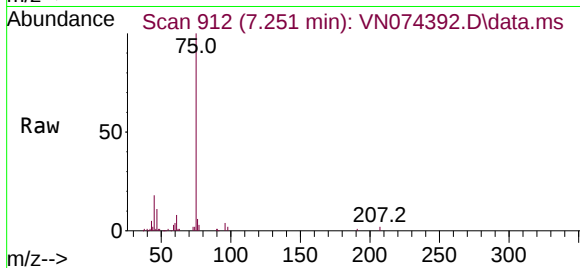
Tgt Ion: 96 Resp: 4205

Ion Ratio Lower Upper

96 100

61 242.8 0.0 306.2

98 24.0 0.0 129.8



#31

Cyclohexane

Concen: 1.043 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.012 min

Lab File: VN074392.D

Acq: 09 Sep 2022 23:00

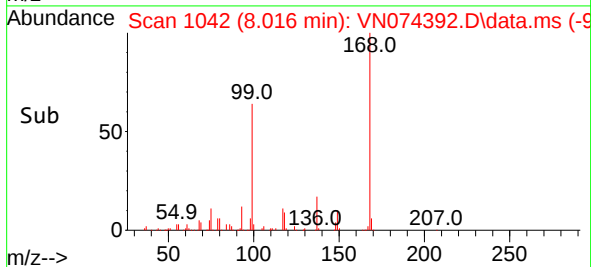
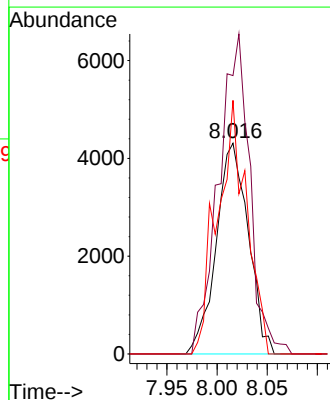
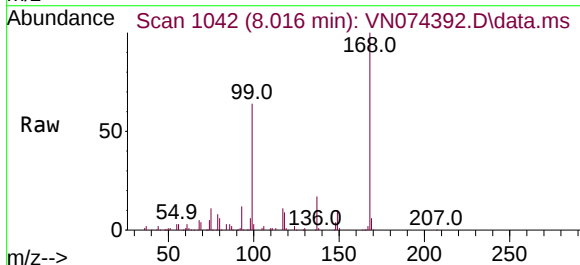
Tgt Ion: 56 Resp: 9573

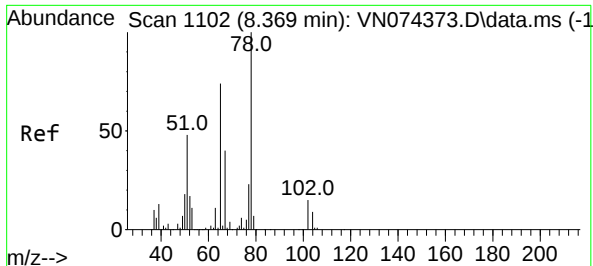
Ion Ratio Lower Upper

56 100

69 132.1 23.0 34.4#

84 120.3 66.3 99.5#





#33

1,2-Dichloroethane-d4

Concen: 42.860 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN074392.D

Acq: 09 Sep 2022 23:00

Instrument :

MSVOA_N

ClientSampleId :

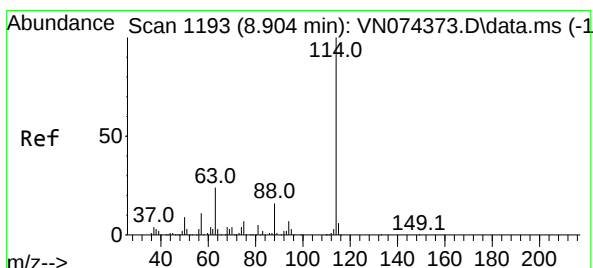
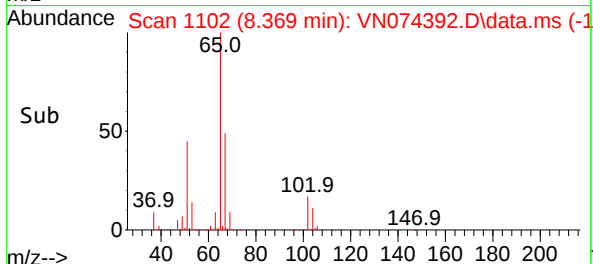
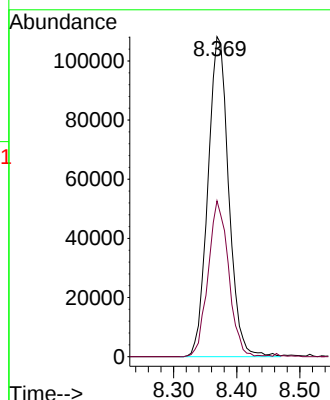
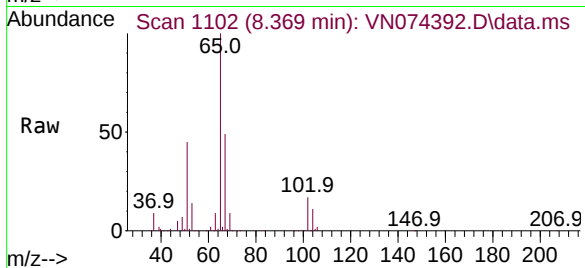
TB01-083122

Tgt Ion: 65 Resp: 247362

Ion Ratio Lower Upper

65 100

67 48.1 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN074392.D

Acq: 09 Sep 2022 23:00

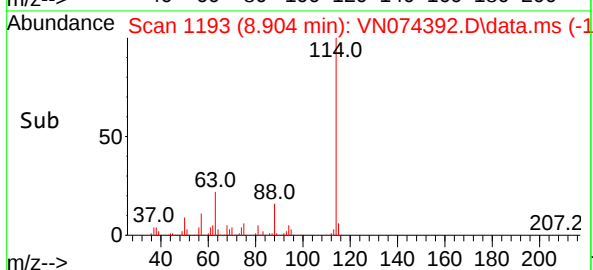
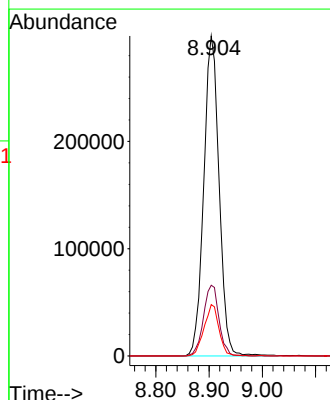
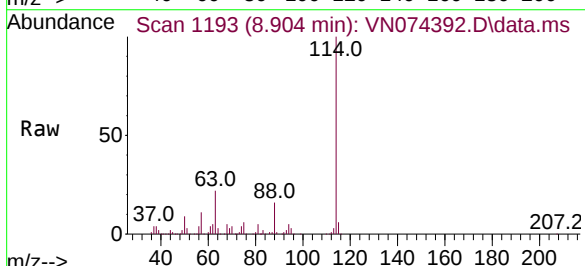
Tgt Ion: 114 Resp: 597845

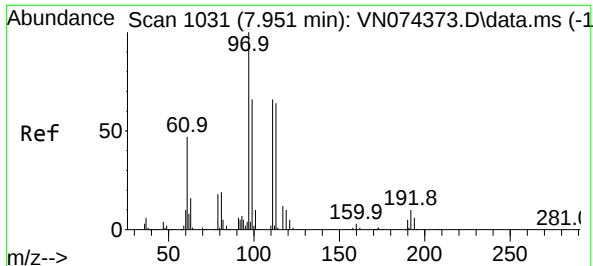
Ion Ratio Lower Upper

114 100

63 22.1 0.0 47.6

88 16.0 0.0 31.4





#35

Dibromofluoromethane

Concen: 50.364 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074392.D

Acq: 09 Sep 2022 23:00

Instrument :

MSVOA_N

ClientSampleId :

TB01-083122

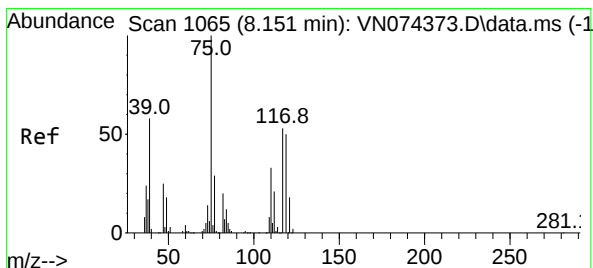
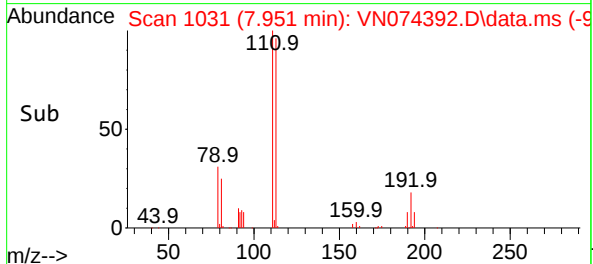
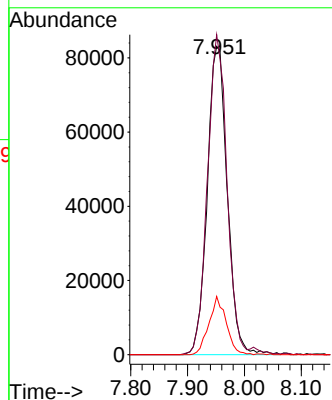
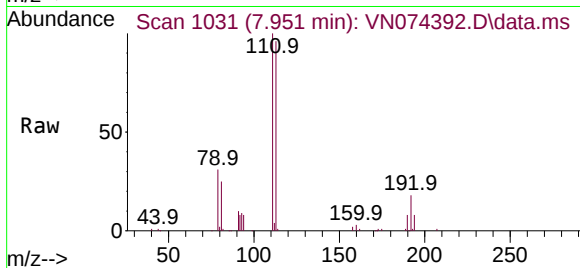
Tgt Ion:113 Resp: 203273

Ion Ratio Lower Upper

113 100

111 100.8 83.0 124.4

192 16.3 13.7 20.5



#36

1,1-Dichloropropene

Concen: 4.861 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.135 min

Lab File: VN074392.D

Acq: 09 Sep 2022 23:00

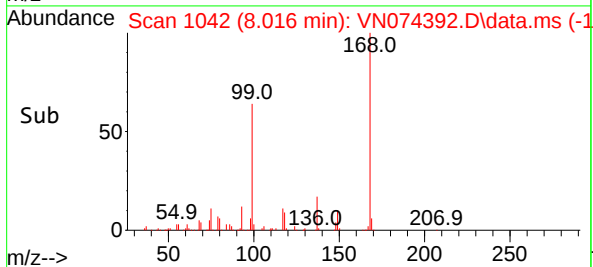
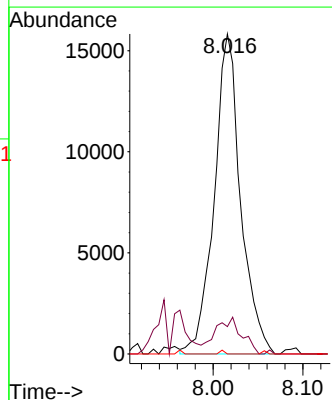
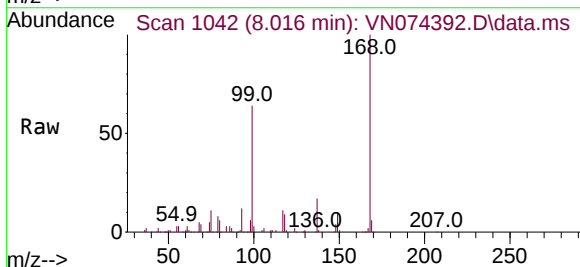
Tgt Ion: 75 Resp: 32324

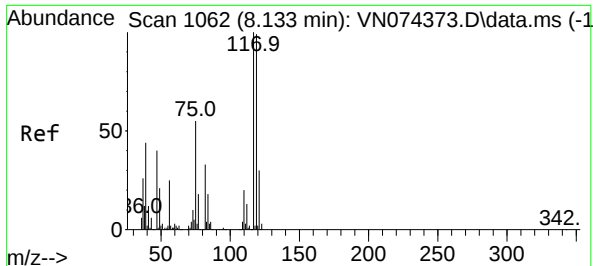
Ion Ratio Lower Upper

75 100

110 11.4 16.4 49.1#

77 0.2 25.4 38.2#

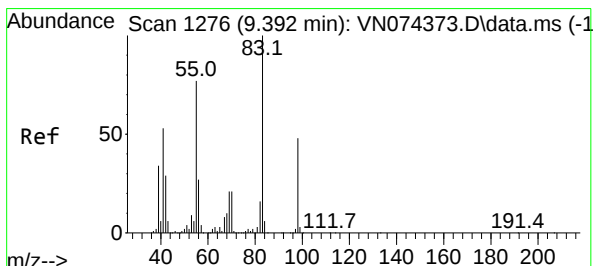
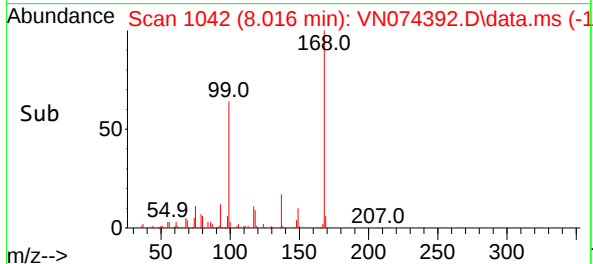
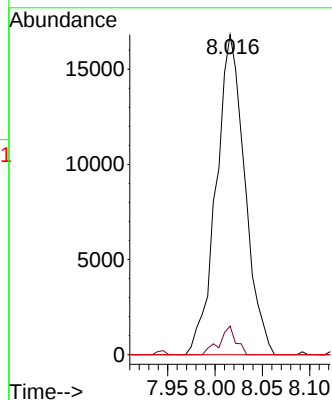
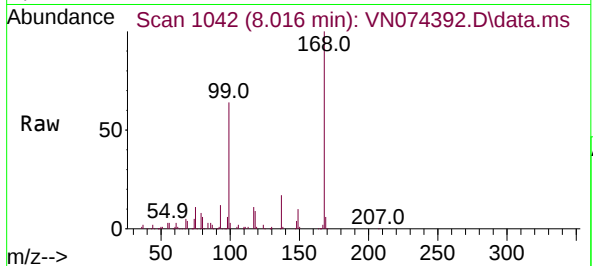




#38
Carbon Tetrachloride
Concen: 5.149 ug/l
RT: 8.016 min Scan# 117
Delta R.T. -0.118 min
Lab File: VN074392.D
Acq: 09 Sep 2022 23:00

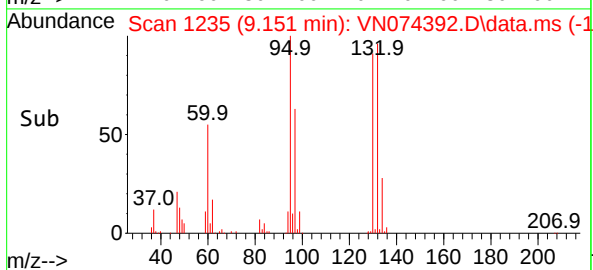
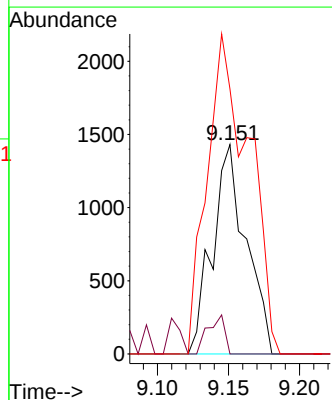
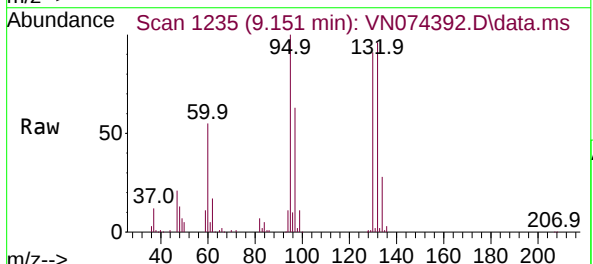
Instrument :
MSVOA_N
ClientSampleId :
TB01-083122

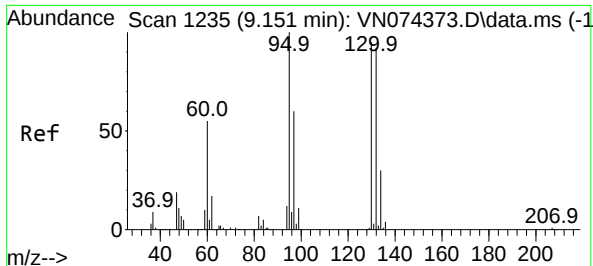
Tgt Ion:117 Resp: 35343
Ion Ratio Lower Upper
117 100
119 9.0 78.8 118.2#
121 0.0 24.1 36.1#



#39
Methylcyclohexane
Concen: 0.280 ug/l
RT: 9.151 min Scan# 1235
Delta R.T. -0.241 min
Lab File: VN074392.D
Acq: 09 Sep 2022 23:00

Tgt Ion: 83 Resp: 2357
Ion Ratio Lower Upper
83 100
55 0.0 61.2 91.8#
98 126.6 38.5 57.7#

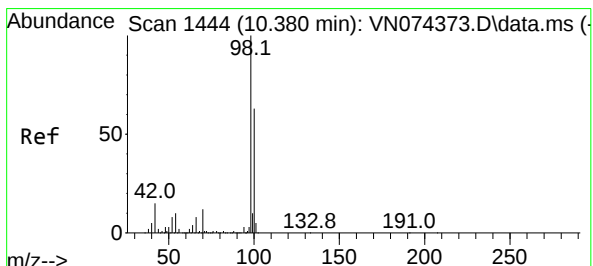
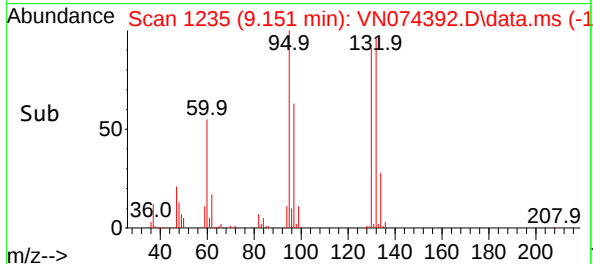
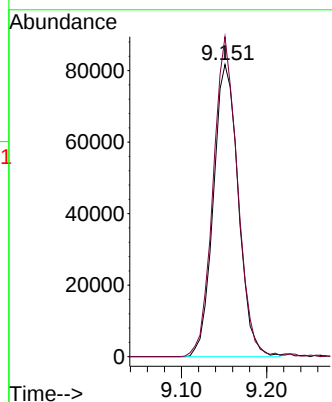
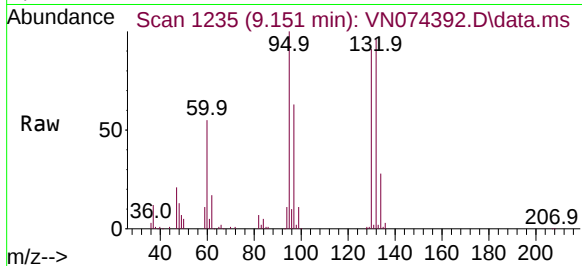




#44
Trichloroethene
Concen: 36.466 ug/l
RT: 9.151 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN074392.D
Acq: 09 Sep 2022 23:00

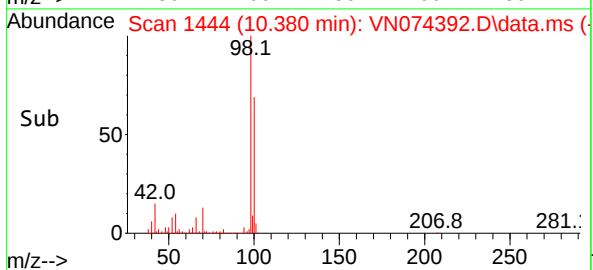
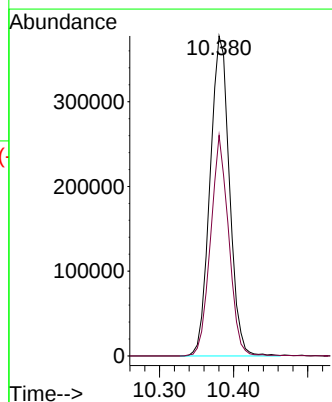
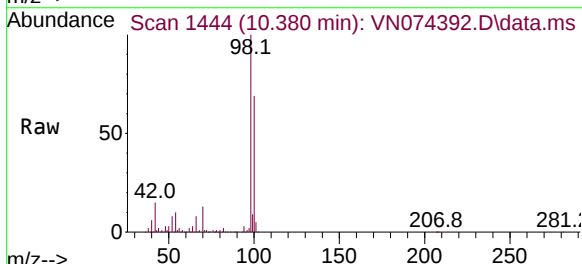
Instrument :
MSVOA_N
ClientSampleId :
TB01-083122

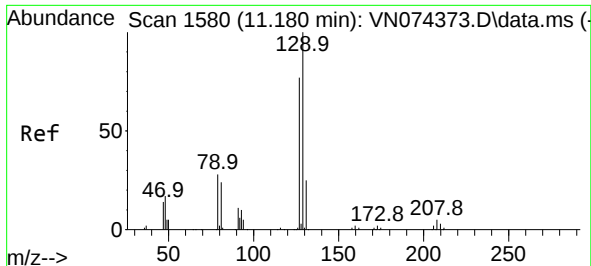
Tgt Ion:130 Resp: 166434
Ion Ratio Lower Upper
130 100
95 109.5 0.0 210.0



#50
Toluene-d8
Concen: 43.627 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074392.D
Acq: 09 Sep 2022 23:00

Tgt Ion: 98 Resp: 686088
Ion Ratio Lower Upper
98 100
100 64.5 50.6 76.0

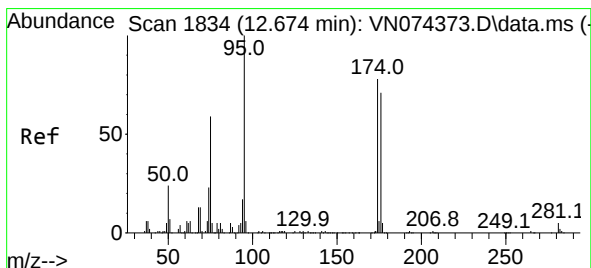
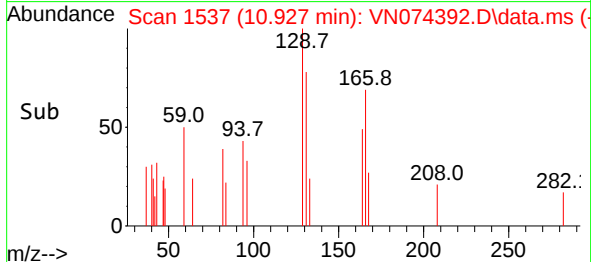
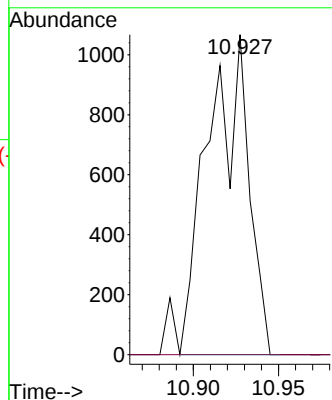
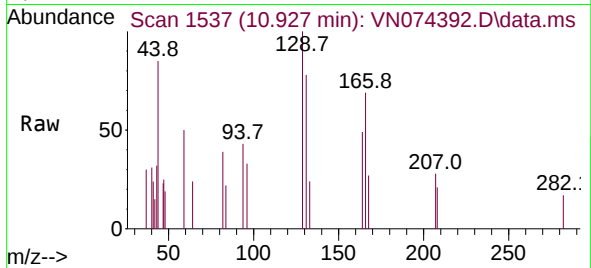




#60
Dibromochloromethane
Concen: 0.335 ug/l
RT: 10.927 min Scan# 11
Delta R.T. -0.253 min
Lab File: VN074392.D
Acq: 09 Sep 2022 23:00

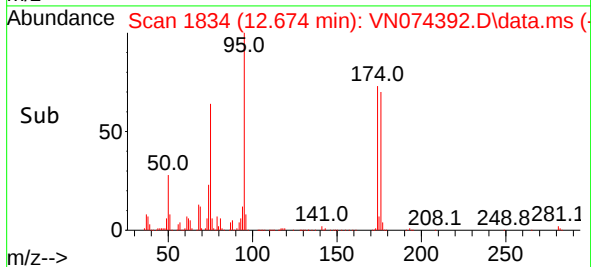
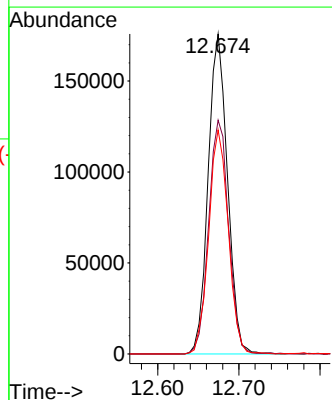
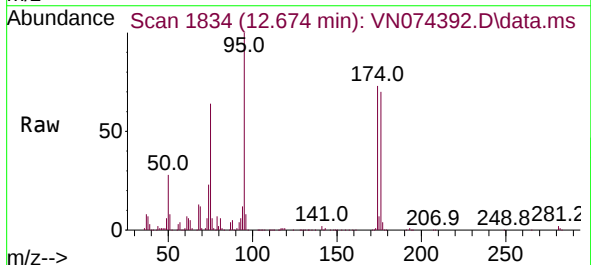
Instrument :
MSVOA_N
ClientSampleId :
TB01-083122

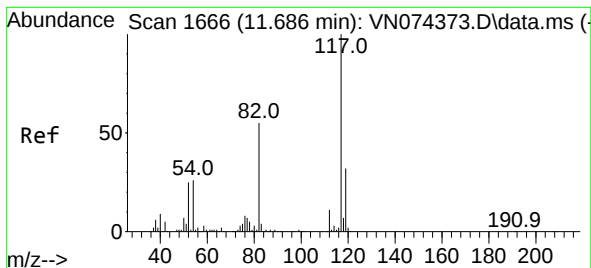
Tgt Ion:129 Resp: 1761
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.3#



#62
4-Bromofluorobenzene
Concen: 50.888 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074392.D
Acq: 09 Sep 2022 23:00

Tgt Ion: 95 Resp: 290551
Ion Ratio Lower Upper
95 100
174 75.5 0.0 150.6
176 71.0 0.0 143.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.686 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN074392.D

Acq: 09 Sep 2022 23:00

Instrument :

MSVOA_N

ClientSampleId :

TB01-083122

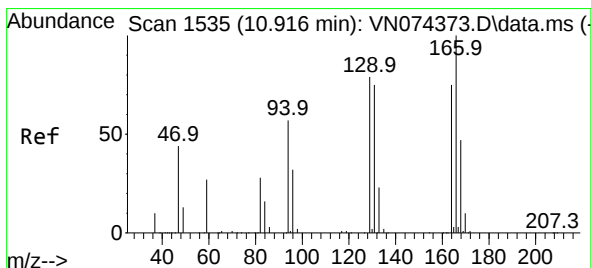
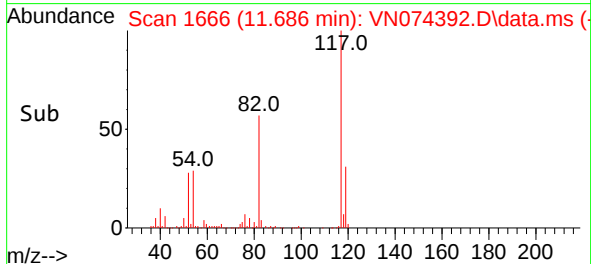
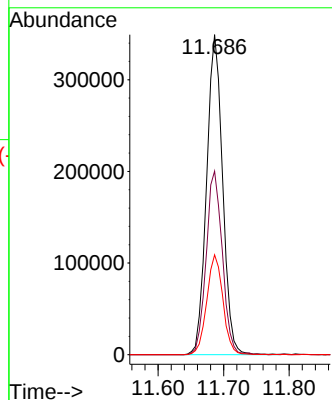
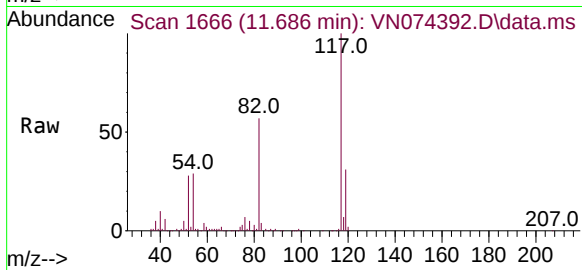
Tgt Ion:117 Resp: 593835

Ion Ratio Lower Upper

117 100

82 57.3 44.3 66.5

119 31.2 25.5 38.3



#64

Tetrachloroethene

Concen: 0.272 ug/l

RT: 10.916 min Scan# 1535

Delta R.T. 0.000 min

Lab File: VN074392.D

Acq: 09 Sep 2022 23:00

Tgt Ion:164 Resp: 1096

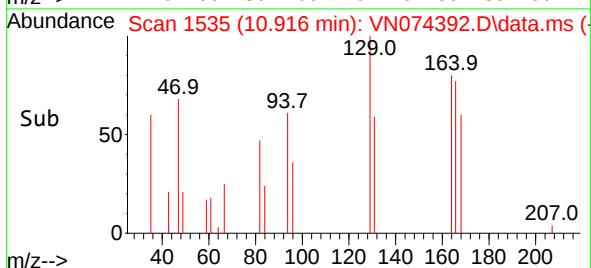
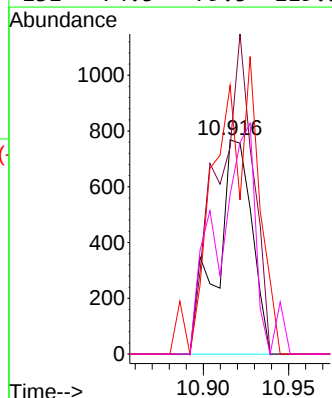
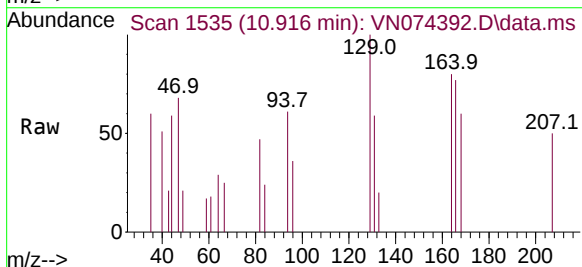
Ion Ratio Lower Upper

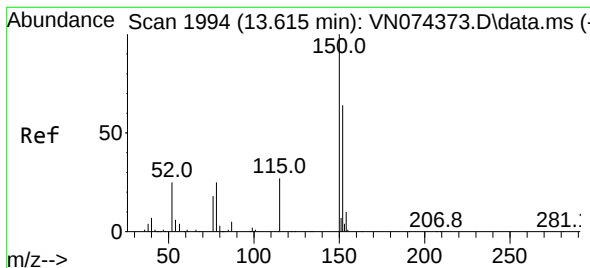
164 100

166 96.5 106.6 160.0#

129 125.5 84.0 126.0

131 74.5 79.5 119.3#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.615 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VN074392.D

Acq: 09 Sep 2022 23:00

Instrument :

MSVOA_N

ClientSampleId :

TB01-083122

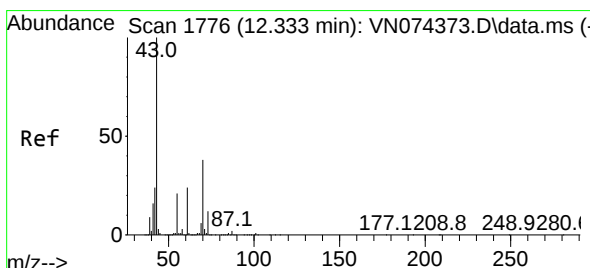
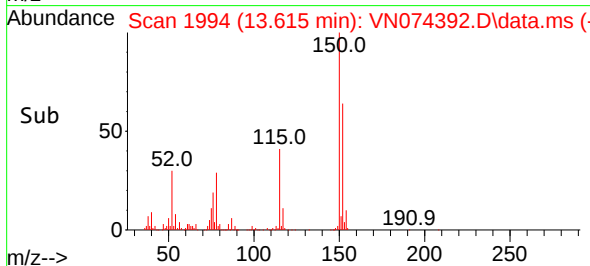
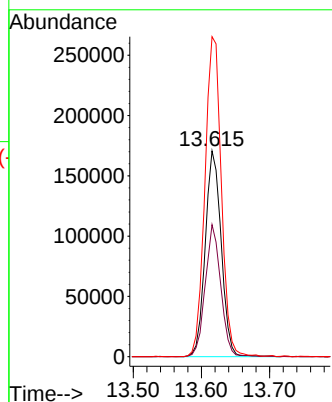
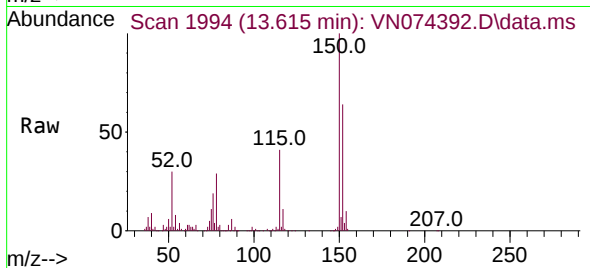
Tgt Ion:152 Resp: 277876

Ion Ratio Lower Upper

152 100

115 62.5 32.0 96.0

150 160.2 0.0 359.6



#74

N-ethyl acetate

Concen: Below Cal

RT: 12.345 min Scan# 1778

Delta R.T. 0.012 min

Lab File: VN074392.D

Acq: 09 Sep 2022 23:00

Tgt Ion: 43 Resp: 174

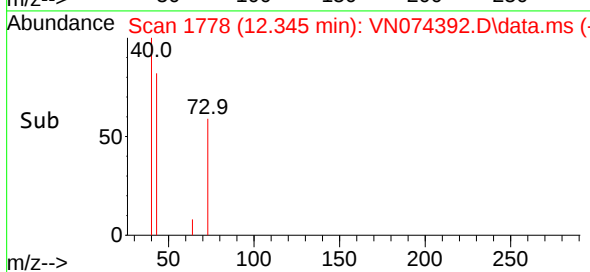
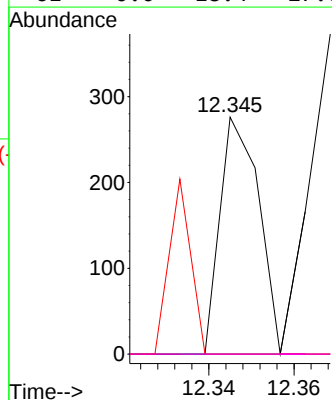
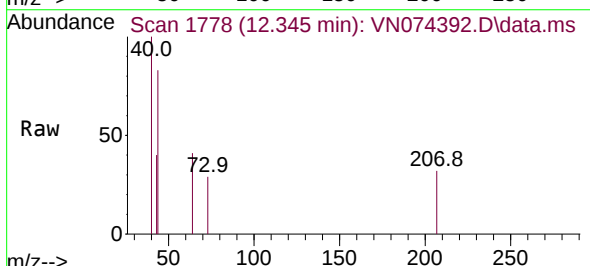
Ion Ratio Lower Upper

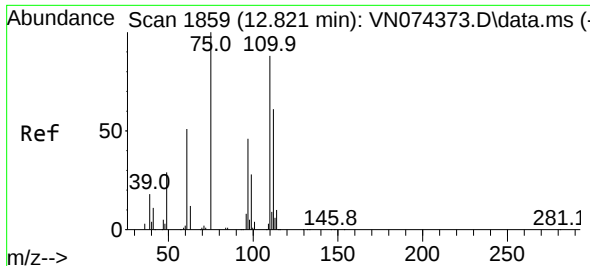
43 100

70 0.0 31.4 47.0#

55 41.4 17.0 25.6#

61 0.0 18.4 27.6#

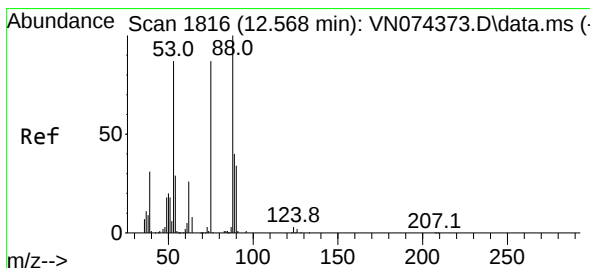
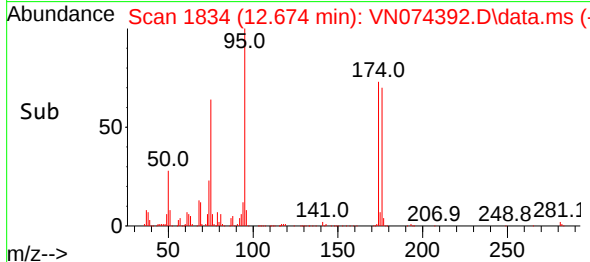
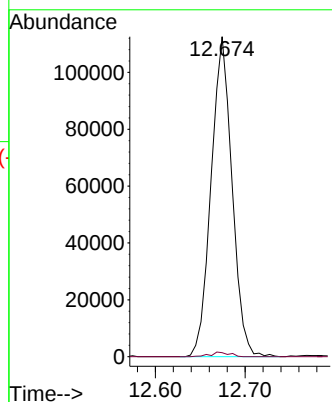
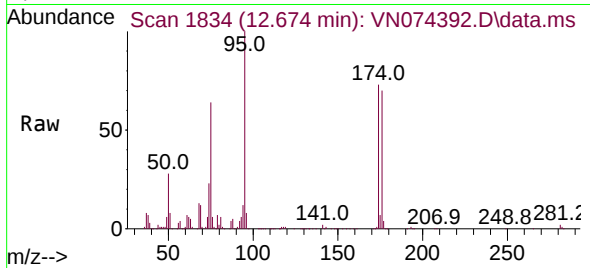




#76
1,2,3-Trichloropropane
Concen: 25.119 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074392.D
Acq: 09 Sep 2022 23:00

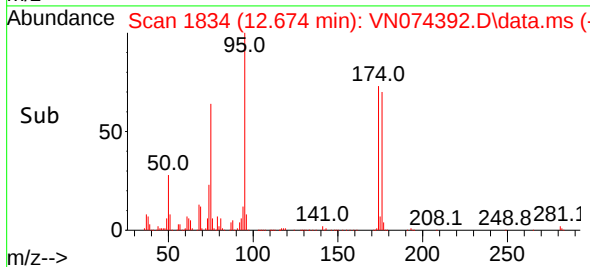
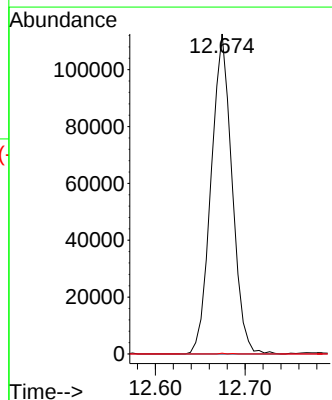
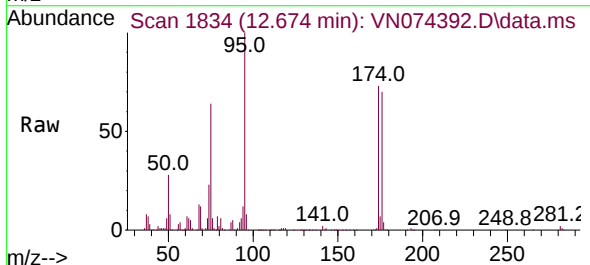
Instrument :
MSVOA_N
ClientSampleId :
TB01-083122

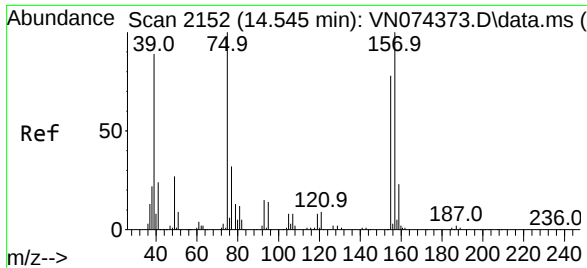
Tgt Ion: 75 Resp: 182466
Ion Ratio Lower Upper
75 100
77 1.3 78.9 236.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.989 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN074392.D
Acq: 09 Sep 2022 23:00

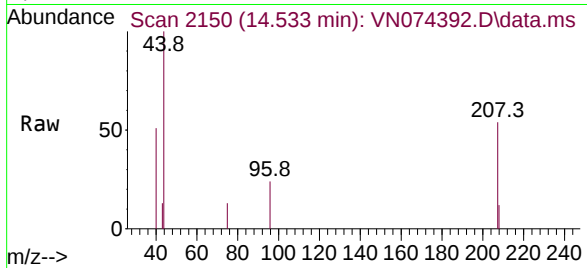
Tgt Ion: 75 Resp: 182466
Ion Ratio Lower Upper
75 100
53 0.0 82.2 123.2#
89 0.1 37.7 56.5#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.533 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: VN074392.D
 Acq: 09 Sep 2022 23:00

Instrument :
 MSVOA_N
 ClientSampleId :
 TB01-083122



Tgt Ion: 75 Resp: 68
 Ion Ratio Lower Upper
 75 100
 155 0.0 36.6 109.9#
 157 0.0 46.2 138.5#

