

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090922\
 Data File : VN074391.D
 Acq On : 09 Sep 2022 22:36
 Operator : JC\MD
 Sample : N4471-17
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EB01-083122

Quant Time: Sep 10 07:28:15 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)

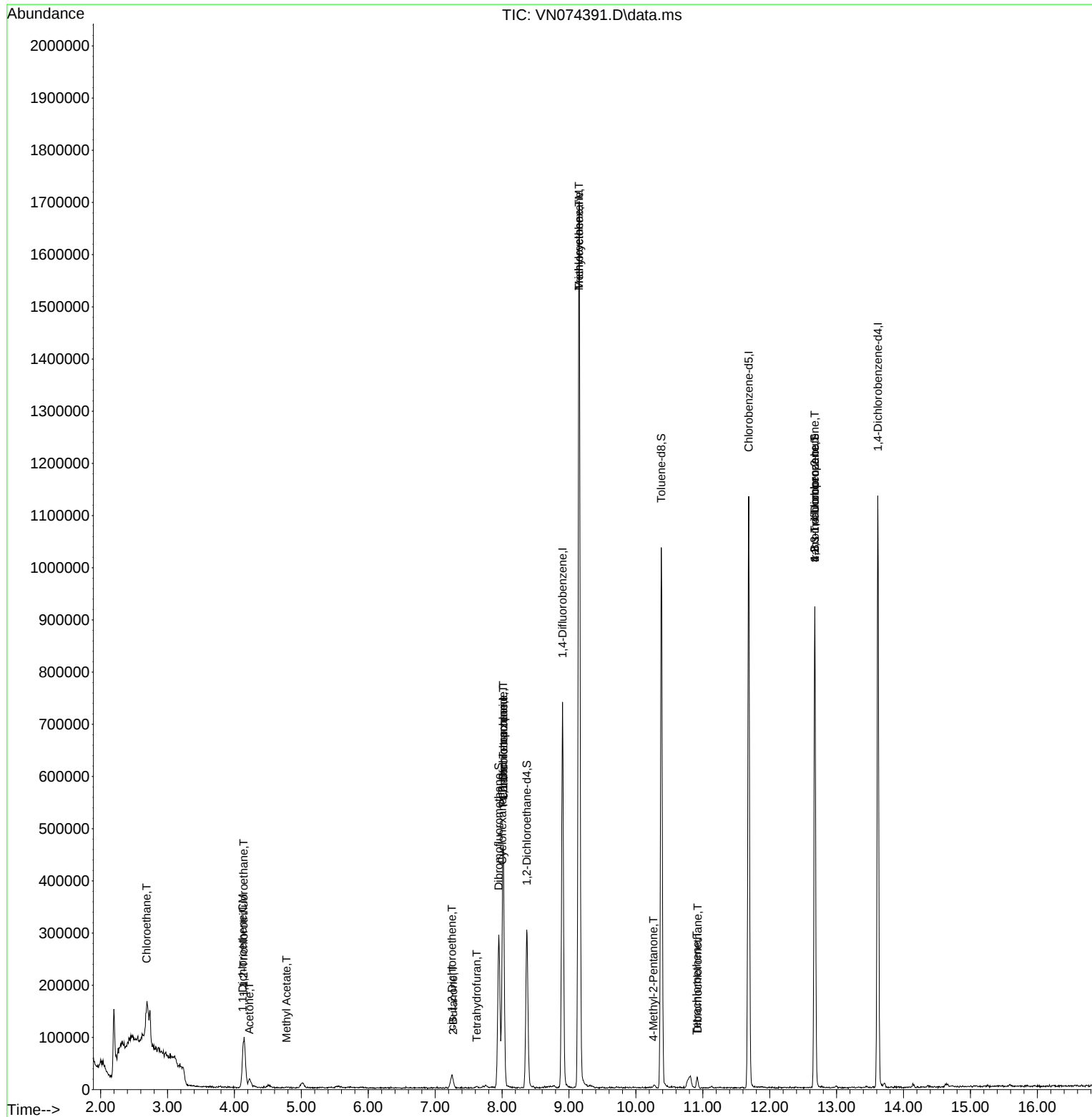
Internal Standards						
1) Pentafluorobenzene	8.022	168	333195	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	593422	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	579506	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	267882	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	241266	41.852	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	83.700%		
35) Dibromofluoromethane	7.951	113	201253	50.236	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.480%		
50) Toluene-d8	10.380	98	668100	42.800	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	85.600%#		
62) 4-Bromofluorobenzene	12.674	95	275678	48.643	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.280%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	4580	Below Cal		94
6) Chloroethane	2.687	64	25943	1.621 ug/l #		55
9) 1,1,2-Trichlorotrifluo...	4.140	101	60207	14.105 ug/l		99
12) 1,1-Dichloroethene	4.122	96	983	0.237 ug/l #		12
16) Acetone	4.222	43	28274	9.085 ug/l		96
18) Methyl Acetate	4.781	43	2976	0.324 ug/l #		80
25) 2-Butanone	7.269	43	7167	1.372 ug/l #		86
27) cis-1,2-Dichloroethene	7.251	96	10954	1.910 ug/l		89
28) Bromochloromethane	7.763	49	66	Below Cal #		1
29) Tetrahydrofuran	7.622	42	2132	0.617 ug/l #		70
31) Cyclohexane	8.004	56	11149	1.216 ug/l #		40
36) 1,1-Dichloropropene	8.016	75	31497	4.772 ug/l #		51
38) Carbon Tetrachloride	8.016	117	37311	5.476 ug/l #		15
39) Methylcyclohexane	9.151	83	7771	0.929 ug/l #		1
44) Trichloroethene	9.151	130	545888	120.498 ug/l		97
51) 4-Methyl-2-Pentanone	10.263	43	5596	0.547 ug/l #		39
60) Dibromochloromethane	10.922	129	3945	0.756 ug/l #		11
64) Tetrachloroethene	10.910	164	3964	1.009 ug/l #		60
74) N-amyl acetate	12.327	43	298	Below Cal #		45
76) 1,2,3-Trichloropropane	12.674	75	167317	23.893 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.674	75	167317	53.256 ug/l #		9
92) 1,2-Dibromo-3-Chloropr...	14.627	75	63	Below Cal #		8

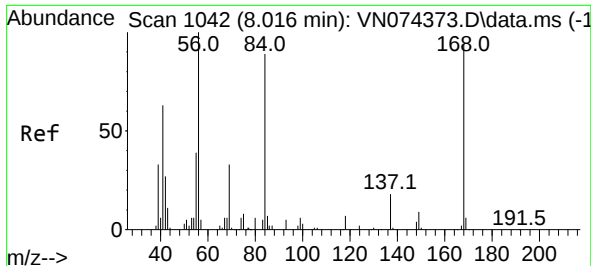
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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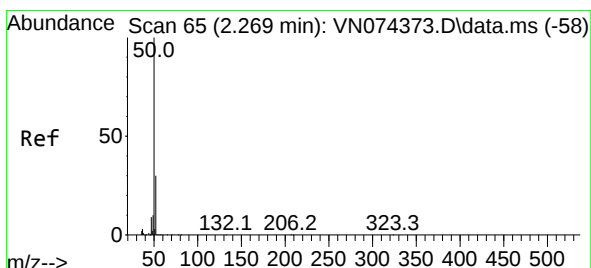
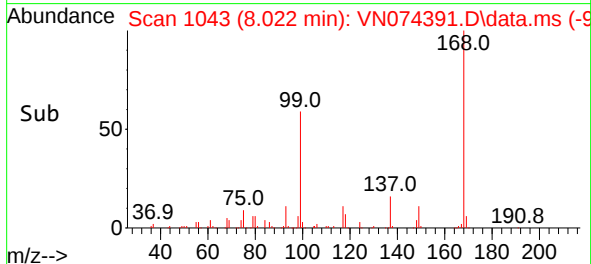
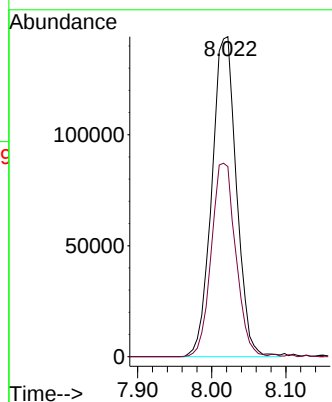
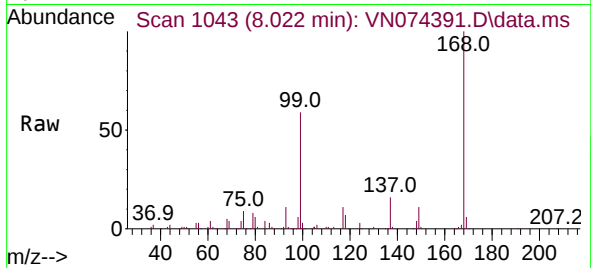




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN074391.D
Acq: 09 Sep 2022 22:36

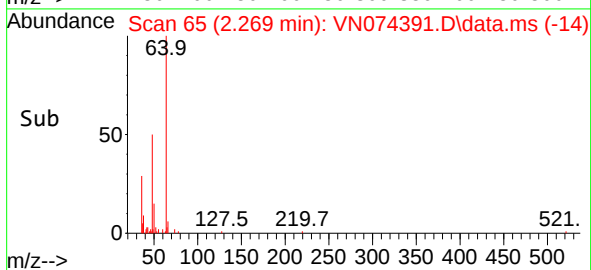
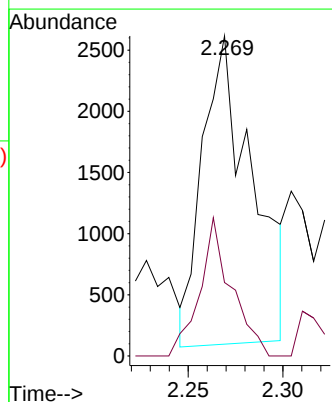
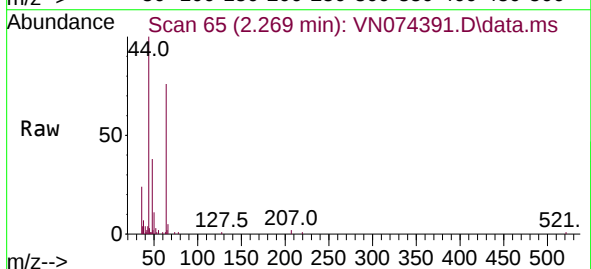
Instrument :
MSVOA_N
ClientSampleId :
EB01-083122

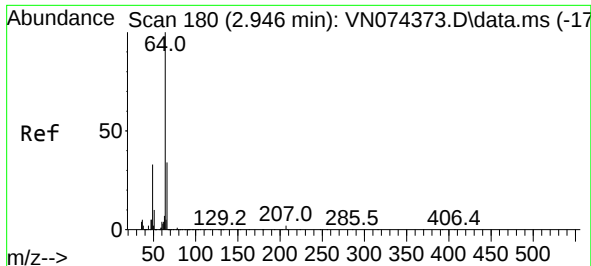
Tgt Ion:168 Resp: 333195
Ion Ratio Lower Upper
168 100
99 59.4 52.8 79.2



#3
Chloromethane
Concen: Below Cal
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN074391.D
Acq: 09 Sep 2022 22:36

Tgt Ion: 50 Resp: 4580
Ion Ratio Lower Upper
50 100
52 27.1 24.1 36.1

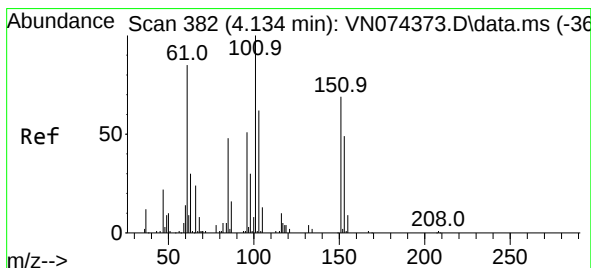
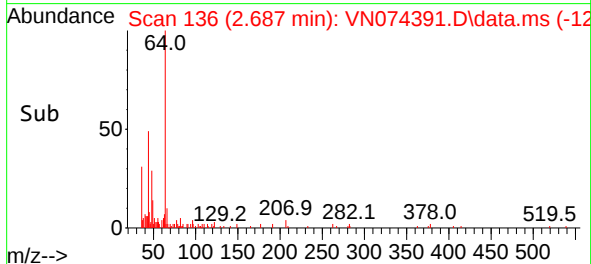
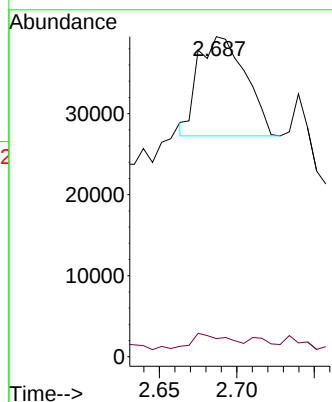
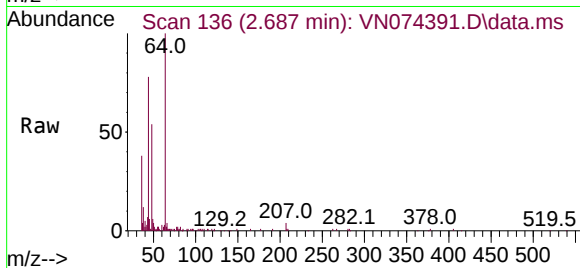




#6
Chloroethane
Concen: 1.621 ug/l
RT: 2.687 min Scan# 11
Delta R.T. -0.259 min
Lab File: VN074391.D
Acq: 09 Sep 2022 22:36

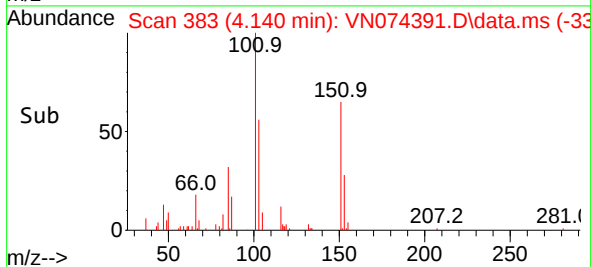
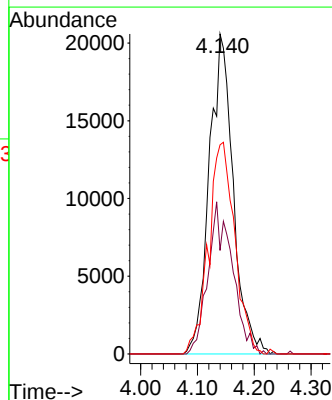
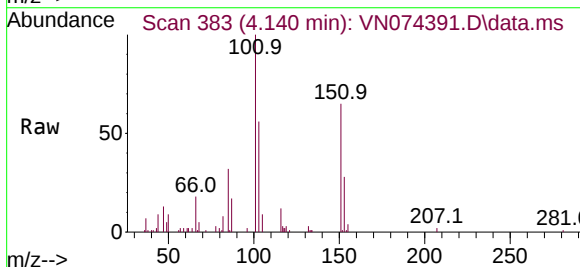
Instrument :
MSVOA_N
ClientSampleId :
EB01-083122

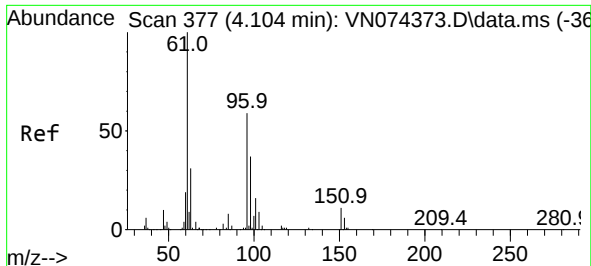
Tgt Ion: 64 Resp: 25943
Ion Ratio Lower Upper
64 100
66 7.8 26.5 39.7#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 14.105 ug/l
RT: 4.140 min Scan# 383
Delta R.T. 0.006 min
Lab File: VN074391.D
Acq: 09 Sep 2022 22:36

Tgt Ion: 101 Resp: 60207
Ion Ratio Lower Upper
101 100
85 48.2 39.5 59.3
151 72.1 57.8 86.6





#12

1,1-Dichloroethene

Concen: 0.237 ug/l

RT: 4.122 min Scan# 31

Delta R.T. 0.018 min

Lab File: VN074391.D

Acq: 09 Sep 2022 22:36

Instrument :

MSVOA_N

ClientSampleId :

EB01-083122

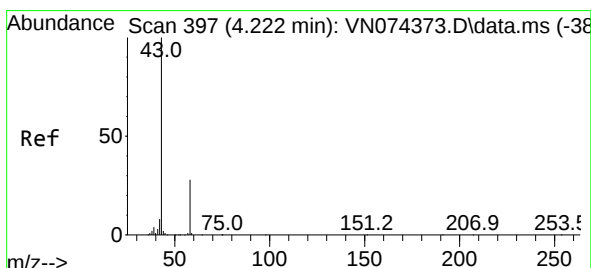
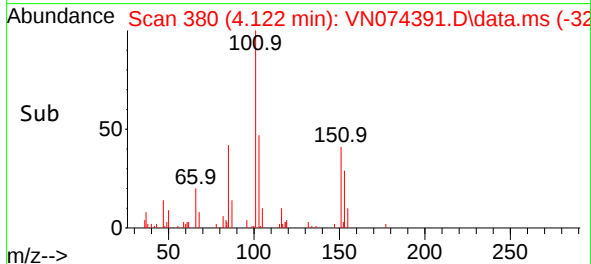
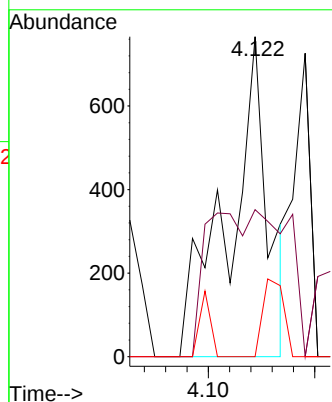
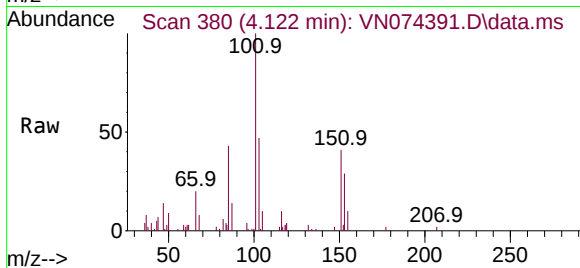
Tgt Ion: 96 Resp: 983

Ion Ratio Lower Upper

96 100

61 46.0 134.7 202.1#

98 0.0 50.2 75.4#



#16

Acetone

Concen: 9.085 ug/l

RT: 4.222 min Scan# 397

Delta R.T. 0.000 min

Lab File: VN074391.D

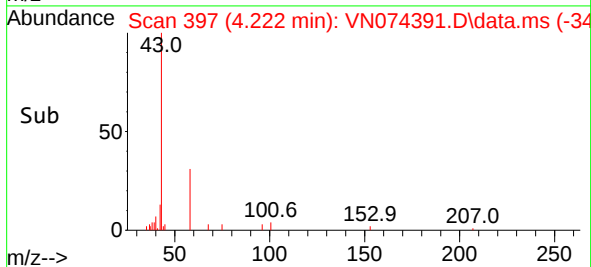
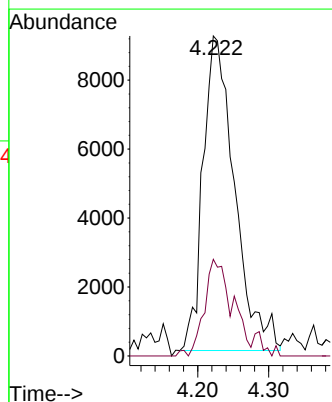
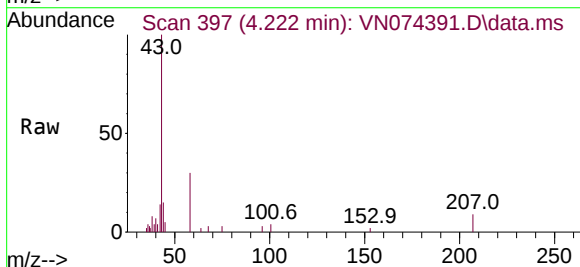
Acq: 09 Sep 2022 22:36

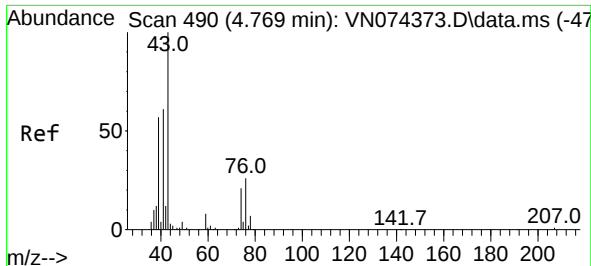
Tgt Ion: 43 Resp: 28274

Ion Ratio Lower Upper

43 100

58 30.7 22.7 34.1

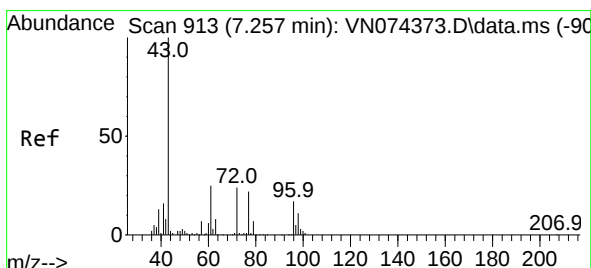
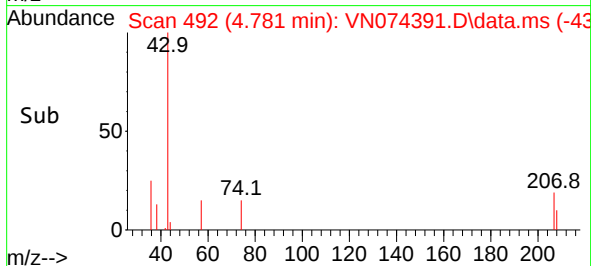
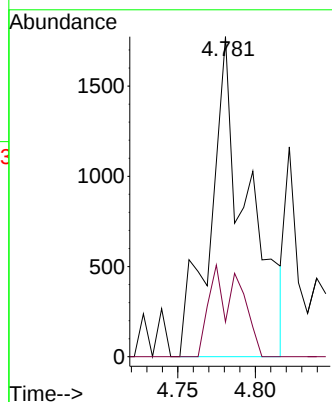
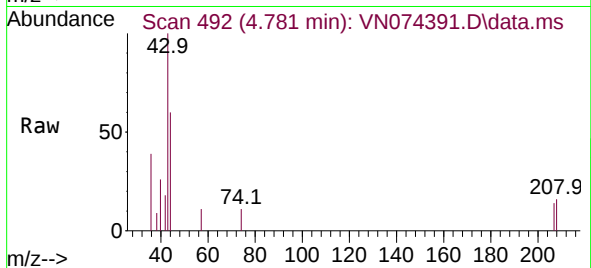




#18
Methyl Acetate
Concen: 0.324 ug/l
RT: 4.781 min Scan# 491
Delta R.T. 0.012 min
Lab File: VN074391.D
Acq: 09 Sep 2022 22:36

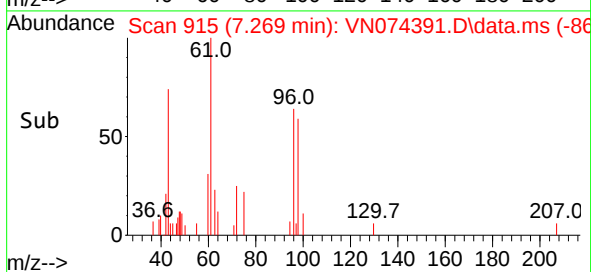
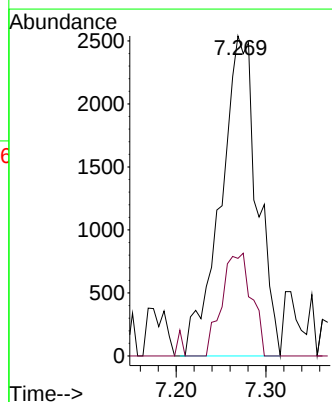
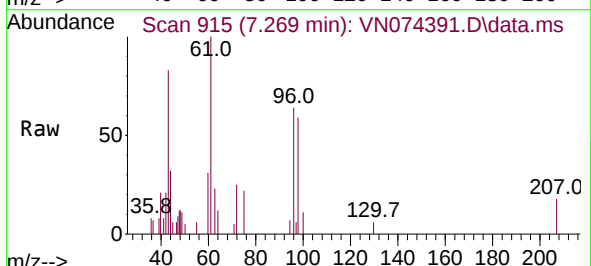
Instrument :
MSVOA_N
ClientSampleId :
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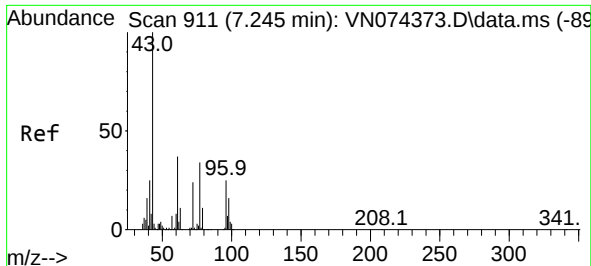
Tgt Ion: 43 Resp: 2976
Ion Ratio Lower Upper
43 100
74 11.6 16.7 25.1#



#25
2-Butanone
Concen: 1.372 ug/l
RT: 7.269 min Scan# 915
Delta R.T. 0.012 min
Lab File: VN074391.D
Acq: 09 Sep 2022 22:36

Tgt Ion: 43 Resp: 7167
Ion Ratio Lower Upper
43 100
72 30.5 18.9 28.3#





#27

cis-1,2-Dichloroethene

Concen: 1.910 ug/l

RT: 7.251 min Scan# 911

Delta R.T. 0.006 min

Lab File: VN074391.D

Acq: 09 Sep 2022 22:36

Instrument :

MSVOA_N

ClientSampleId :

EB01-083122

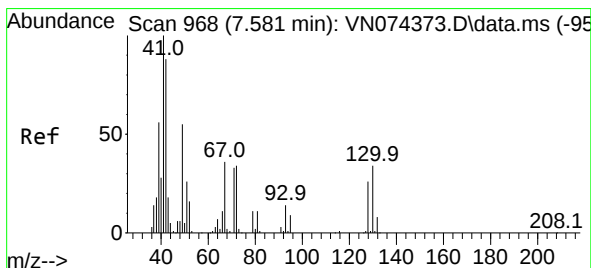
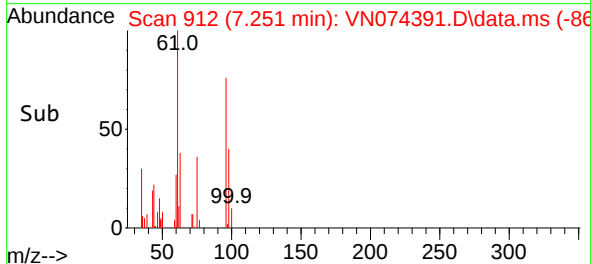
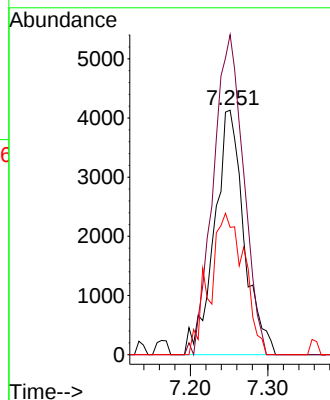
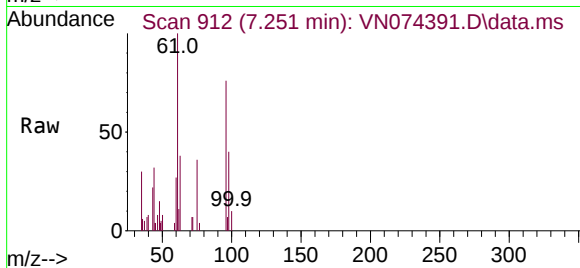
Tgt Ion: 96 Resp: 10954

Ion Ratio Lower Upper

96 100

61 134.0 0.0 306.2

98 67.3 0.0 129.8



#28

Bromochloromethane

Concen: Below Cal

RT: 7.763 min Scan# 999

Delta R.T. 0.182 min

Lab File: VN074391.D

Acq: 09 Sep 2022 22:36

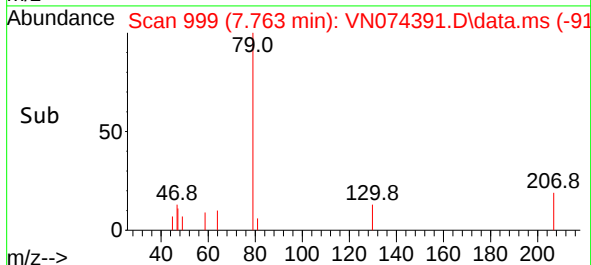
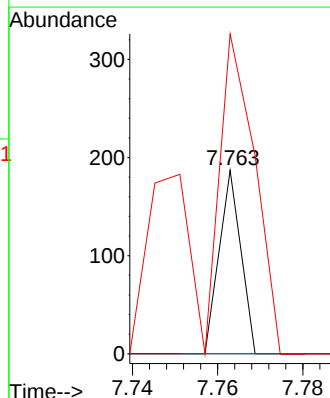
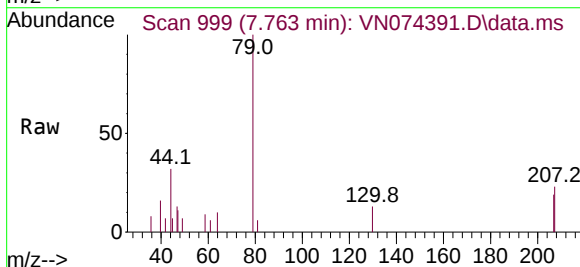
Tgt Ion: 49 Resp: 66

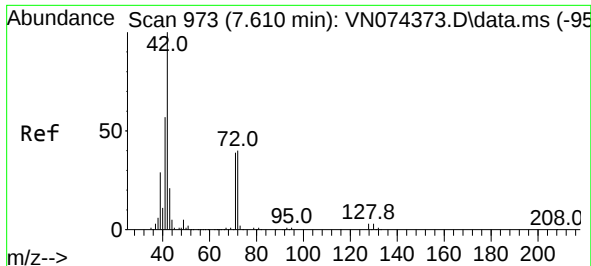
Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.2

130 281.8 50.0 75.0#





#29

Tetrahydrofuran

Concen: 0.617 ug/l

RT: 7.622 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN074391.D

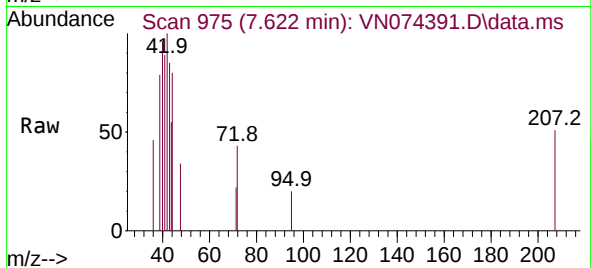
Acq: 09 Sep 2022 22:36

Instrument :

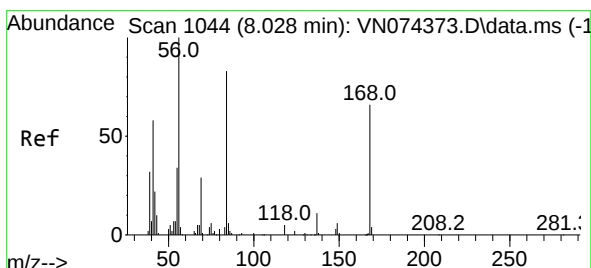
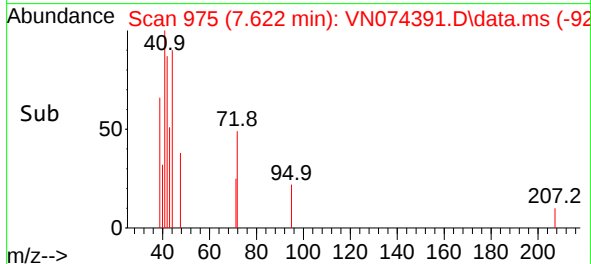
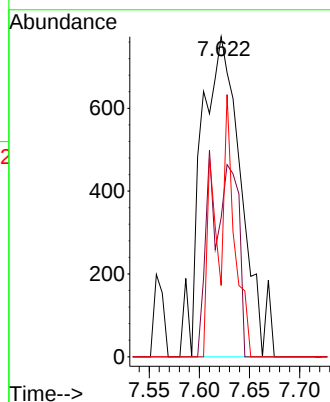
MSVOA_N

ClientSampleId :

EB01-083122



Tgt Ion:	42	Resp:	2132
Ion Ratio	100	Lower	Upper
72	21.5	32.7	49.1#
71	21.0	31.0	46.6#



#31

Cyclohexane

Concen: 1.216 ug/l

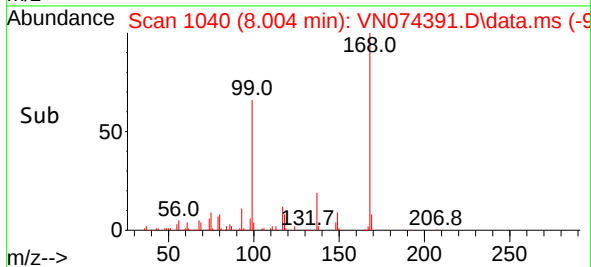
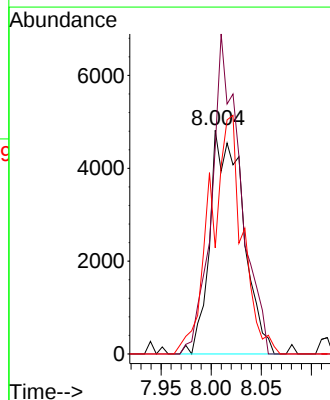
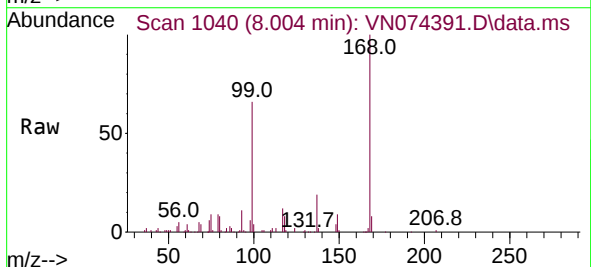
RT: 8.004 min Scan# 1040

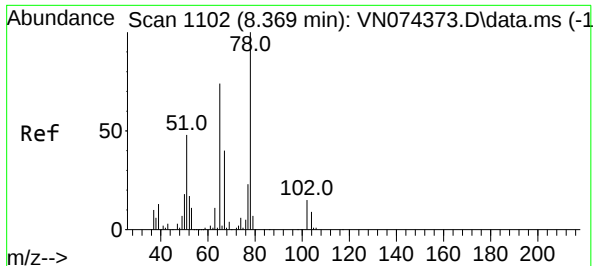
Delta R.T. -0.024 min

Lab File: VN074391.D

Acq: 09 Sep 2022 22:36

Tgt Ion:	56	Resp:	11149
Ion Ratio	100	Lower	Upper
69	92.4	23.0	34.4#
84	47.4	66.3	99.5#





#33

1,2-Dichloroethane-d4

Concen: 41.852 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN074391.D

Acq: 09 Sep 2022 22:36

Instrument :

MSVOA_N

ClientSampleId :

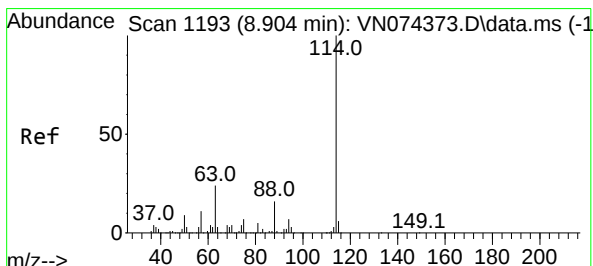
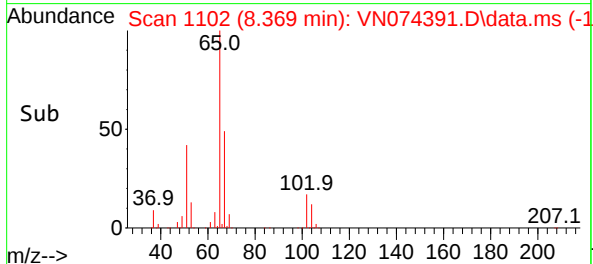
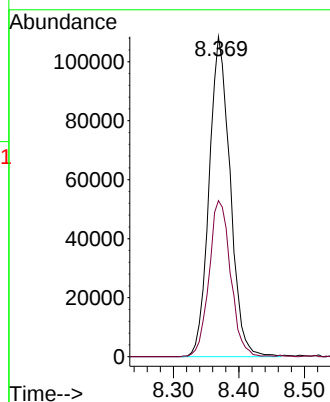
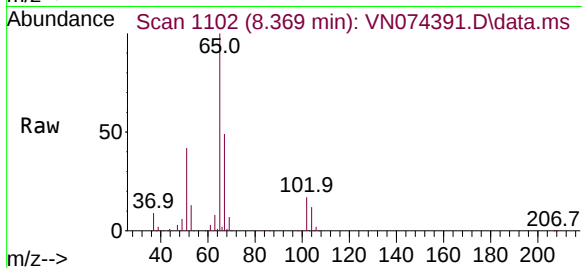
EB01-083122

Tgt Ion: 65 Resp: 241266

Ion Ratio Lower Upper

65 100

67 50.0 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: VN074391.D

Acq: 09 Sep 2022 22:36

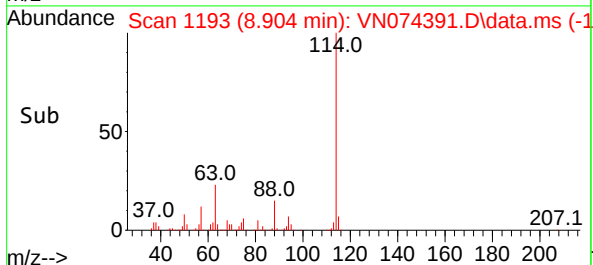
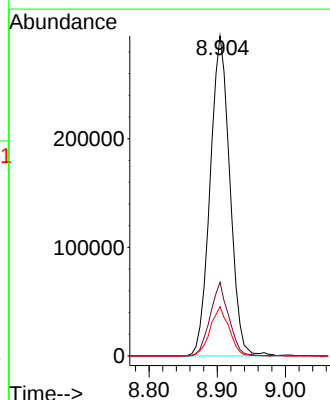
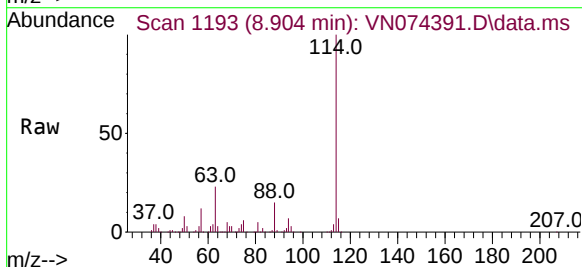
Tgt Ion: 114 Resp: 593422

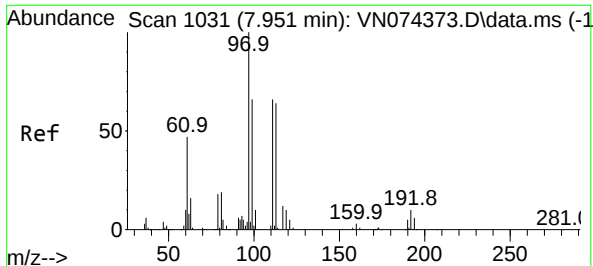
Ion Ratio Lower Upper

114 100

63 23.0 0.0 47.6

88 15.4 0.0 31.4





#35

Dibromofluoromethane

Concen: 50.236 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074391.D

Acq: 09 Sep 2022 22:36

Instrument :

MSVOA_N

ClientSampleId :

EB01-083122

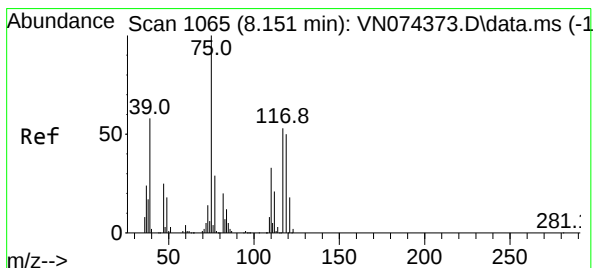
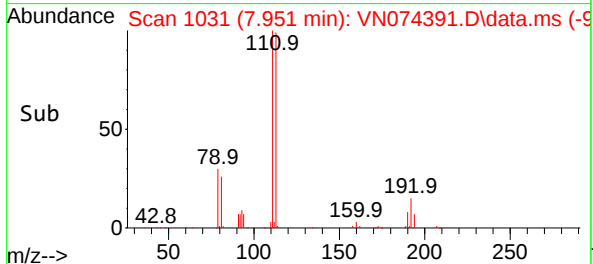
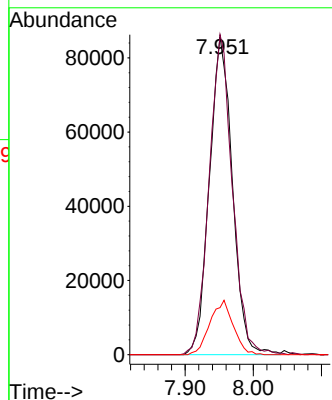
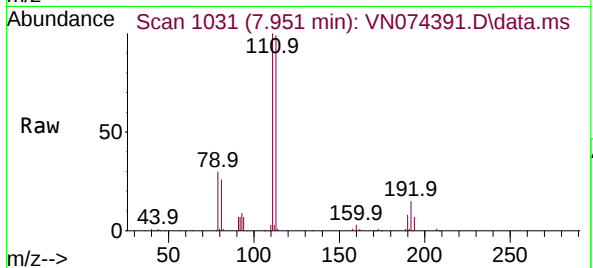
Tgt Ion:113 Resp: 201253

Ion Ratio Lower Upper

113 100

111 101.6 83.0 124.4

192 17.3 13.7 20.5



#36

1,1-Dichloropropene

Concen: 4.772 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.135 min

Lab File: VN074391.D

Acq: 09 Sep 2022 22:36

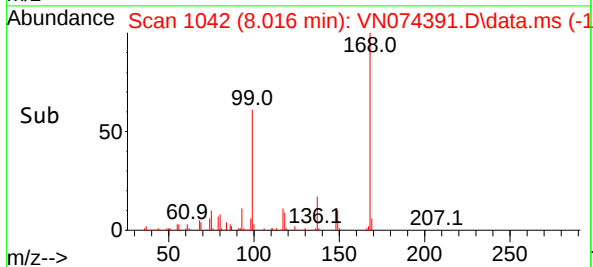
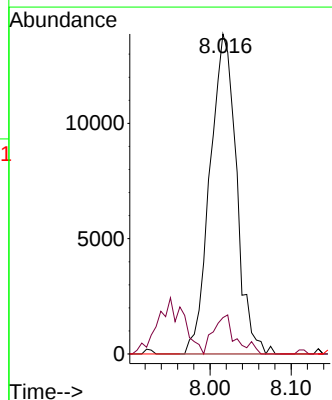
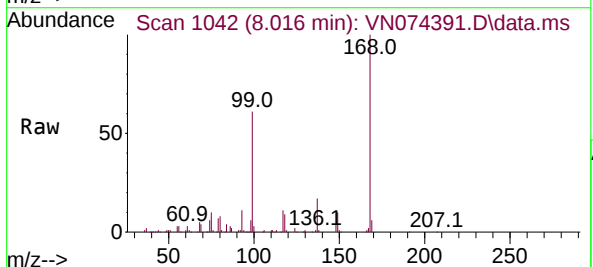
Tgt Ion: 75 Resp: 31497

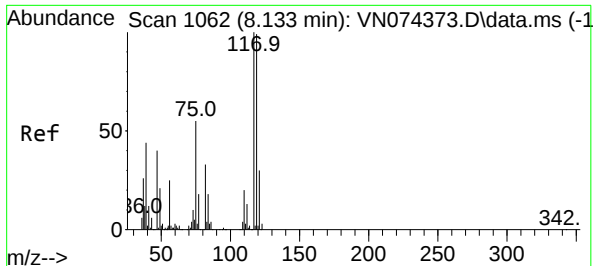
Ion Ratio Lower Upper

75 100

110 10.1 16.4 49.1#

77 0.0 25.4 38.2#

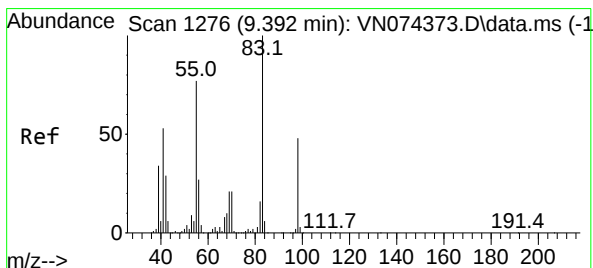
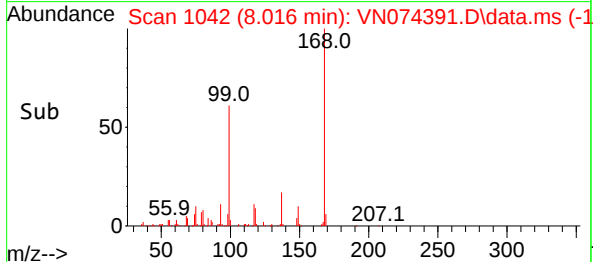
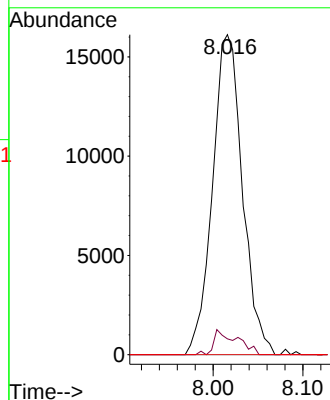
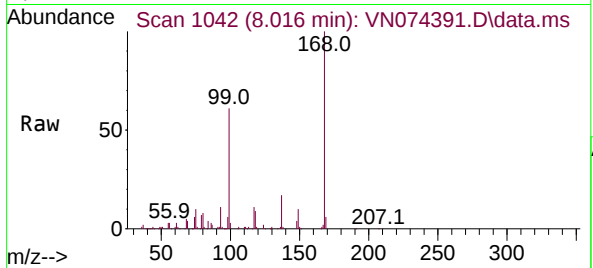




#38
Carbon Tetrachloride
Concen: 5.476 ug/l
RT: 8.016 min Scan# 117
Delta R.T. -0.118 min
Lab File: VN074391.D
Acq: 09 Sep 2022 22:36

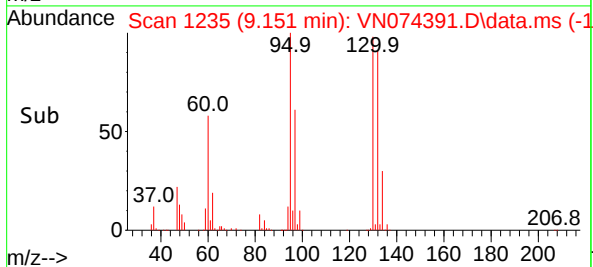
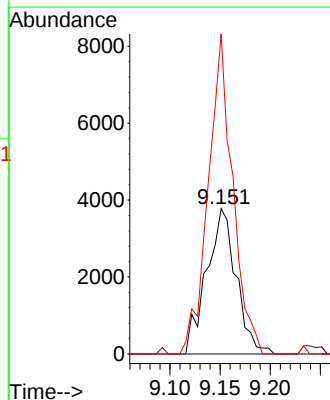
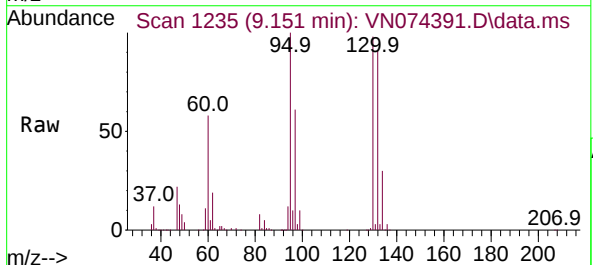
Instrument :
MSVOA_N
ClientSampleId :
EB01-083122

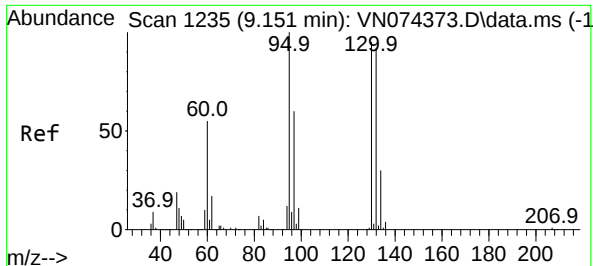
Tgt Ion:117 Resp: 37311
Ion Ratio Lower Upper
117 100
119 5.0 78.8 118.2#
121 0.0 24.1 36.1#



#39
Methylcyclohexane
Concen: 0.929 ug/l
RT: 9.151 min Scan# 1235
Delta R.T. -0.241 min
Lab File: VN074391.D
Acq: 09 Sep 2022 22:36

Tgt Ion: 83 Resp: 7771
Ion Ratio Lower Upper
83 100
55 0.0 61.2 91.8#
98 220.2 38.5 57.7#

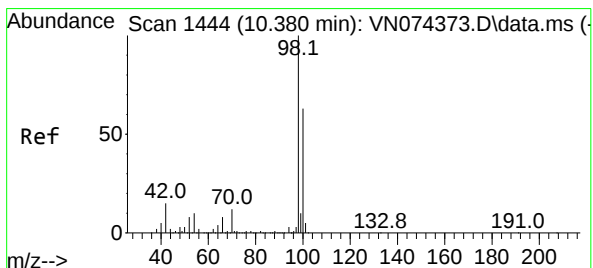
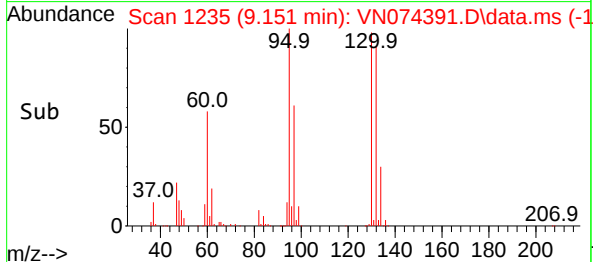
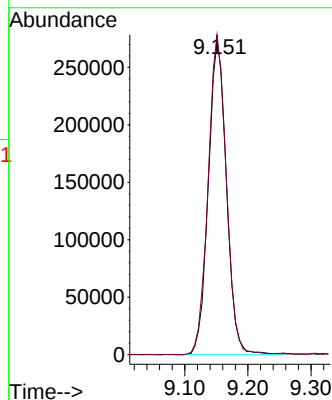
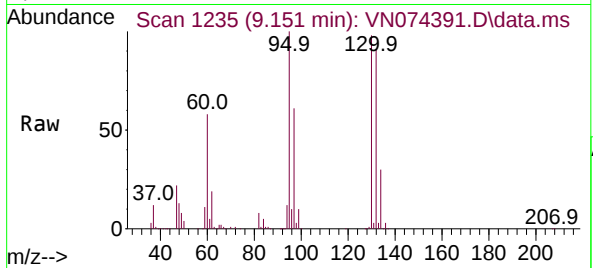




#44
Trichloroethene
Concen: 120.498 ug/l
RT: 9.151 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN074391.D
Acq: 09 Sep 2022 22:36

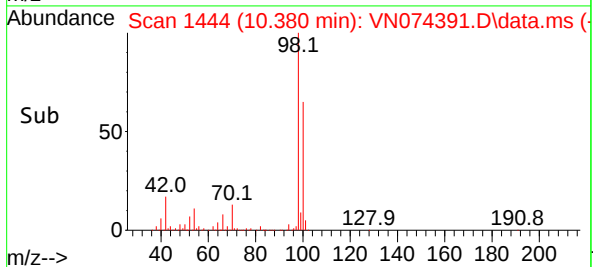
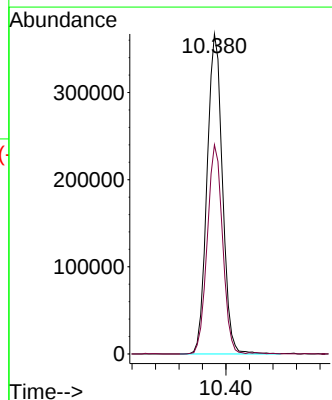
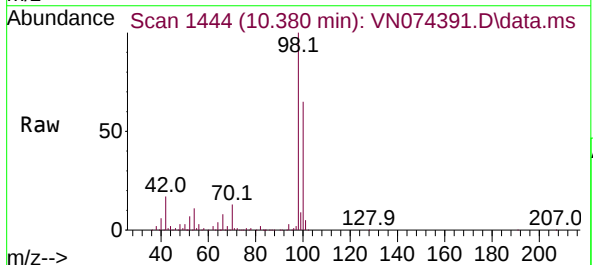
Instrument :
MSVOA_N
ClientSampleId :
EB01-083122

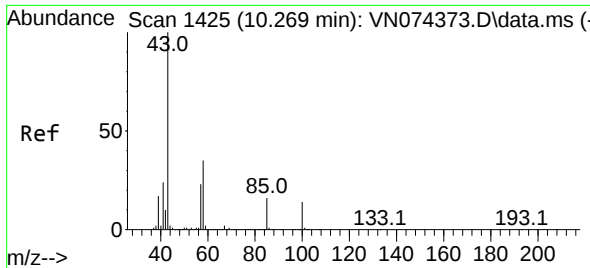
Tgt Ion:130 Resp: 545888
Ion Ratio Lower Upper
130 100
95 102.1 0.0 210.0



#50
Toluene-d8
Concen: 42.800 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074391.D
Acq: 09 Sep 2022 22:36

Tgt Ion: 98 Resp: 668100
Ion Ratio Lower Upper
98 100
100 65.0 50.6 76.0

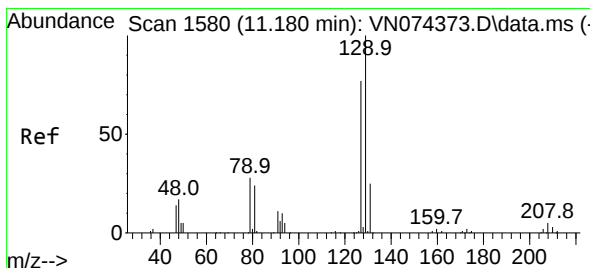
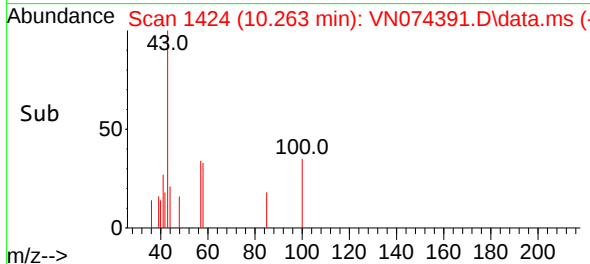
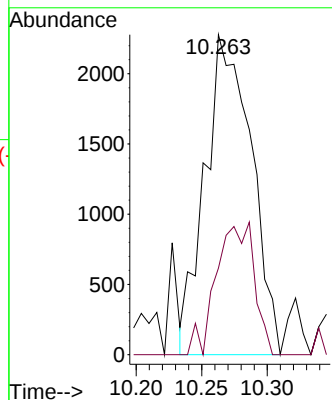
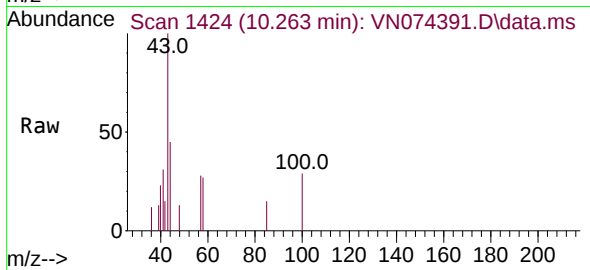




#51
4-Methyl-2-Pentanone
Concen: 0.547 ug/l
RT: 10.263 min Scan# 1425
Delta R.T. -0.006 min
Lab File: VN074391.D
Acq: 09 Sep 2022 22:36

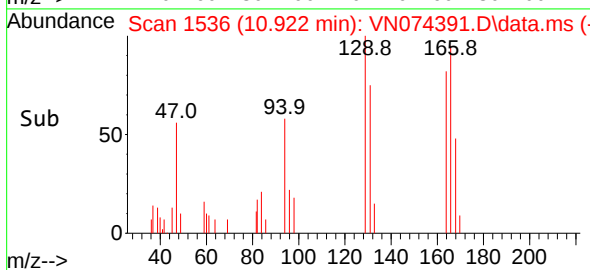
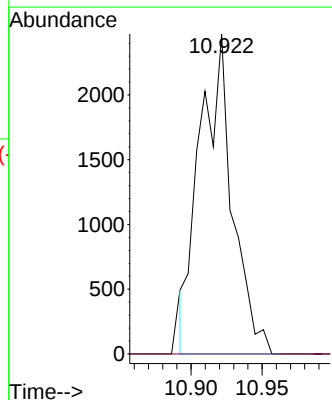
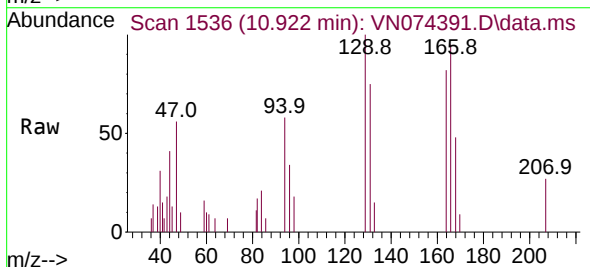
Instrument :
MSVOA_N
ClientSampleId :
EB01-083122

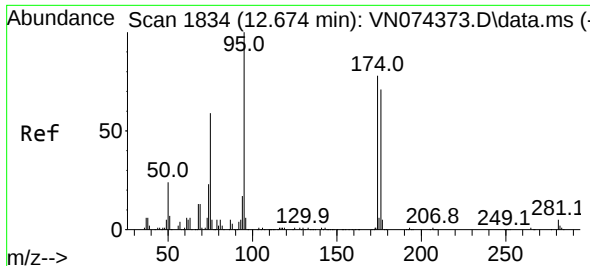
Tgt Ion: 43 Resp: 5596
Ion Ratio Lower Upper
43 100
58 0.0 29.0 43.6#



#60
Dibromochloromethane
Concen: 0.756 ug/l
RT: 10.922 min Scan# 1536
Delta R.T. -0.259 min
Lab File: VN074391.D
Acq: 09 Sep 2022 22:36

Tgt Ion: 129 Resp: 3945
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.3#

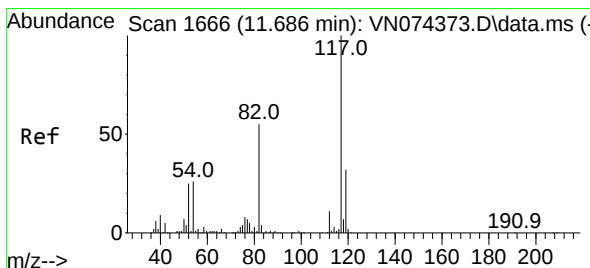
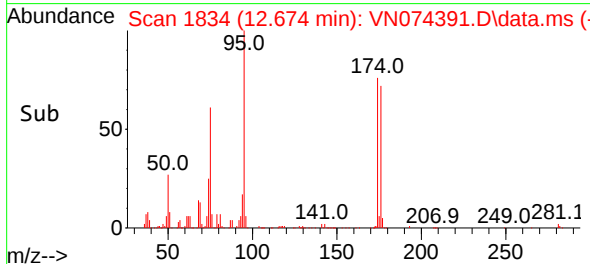
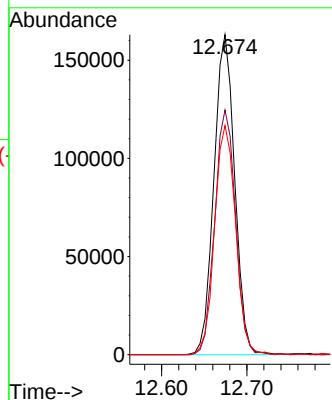
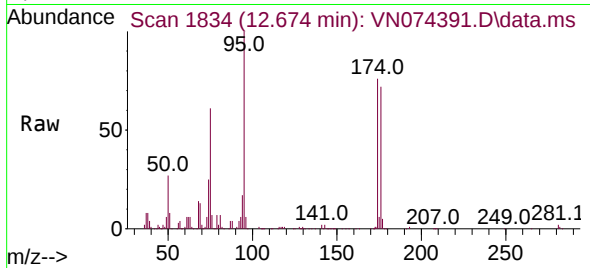




#62
4-Bromofluorobenzene
Concen: 48.643 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074391.D
Acq: 09 Sep 2022 22:36

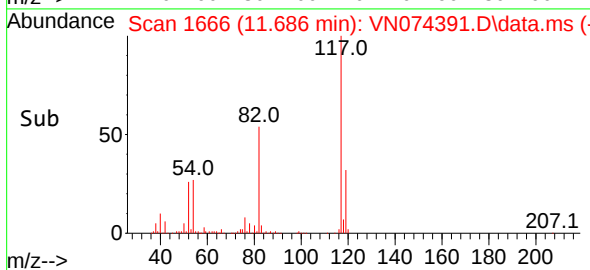
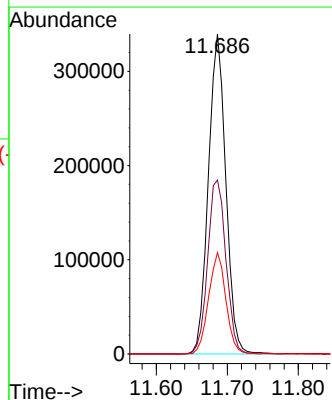
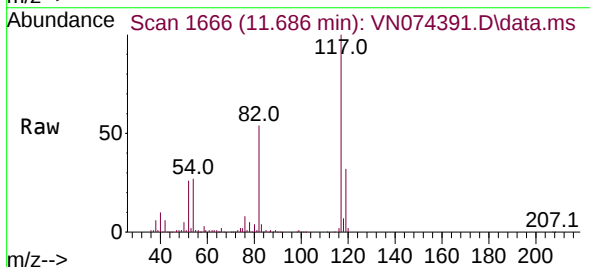
Instrument :
MSVOA_N
ClientSampleId :
EB01-083122

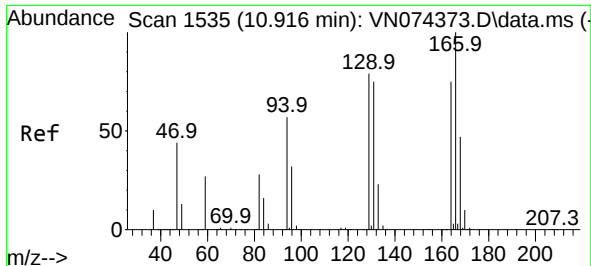
Tgt Ion: 95 Resp: 275678
Ion Ratio Lower Upper
95 100
174 76.6 0.0 150.6
176 72.5 0.0 143.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074391.D
Acq: 09 Sep 2022 22:36

Tgt Ion: 117 Resp: 579506
Ion Ratio Lower Upper
117 100
82 54.4 44.3 66.5
119 31.7 25.5 38.3

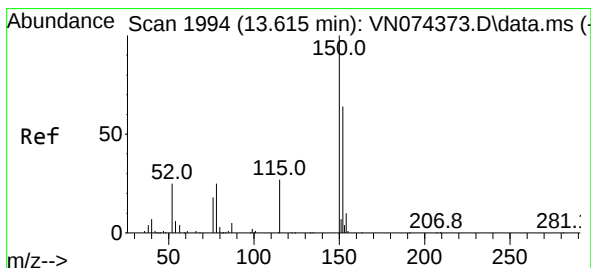
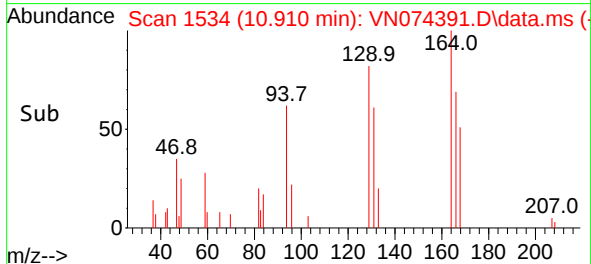
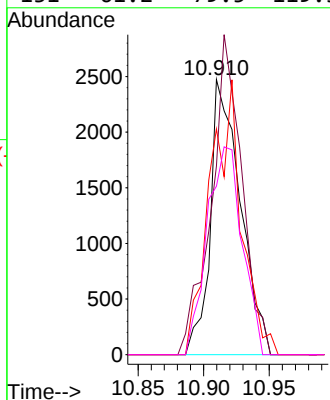
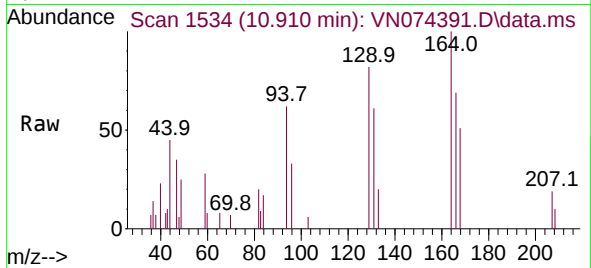




#64
Tetrachloroethene
Concen: 1.009 ug/l
RT: 10.910 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN074391.D
Acq: 09 Sep 2022 22:36

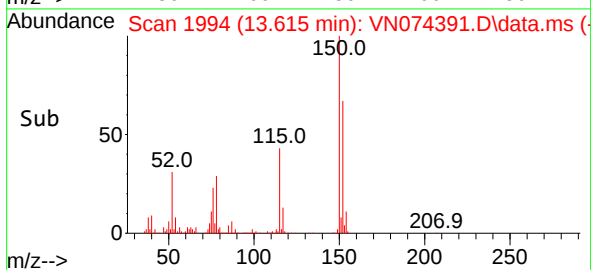
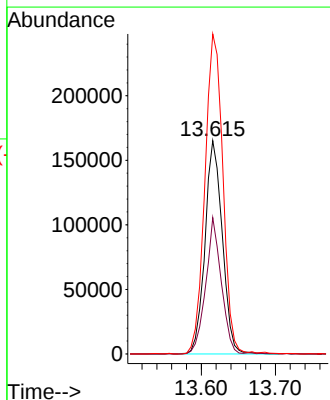
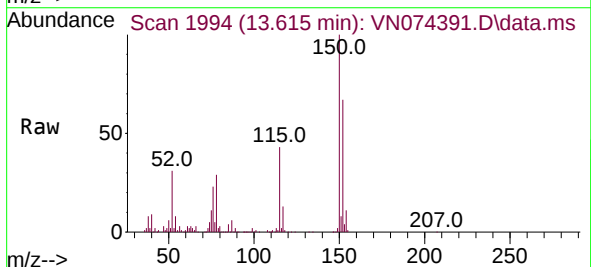
Instrument :
MSVOA_N
ClientSampleId :
EB01-083122

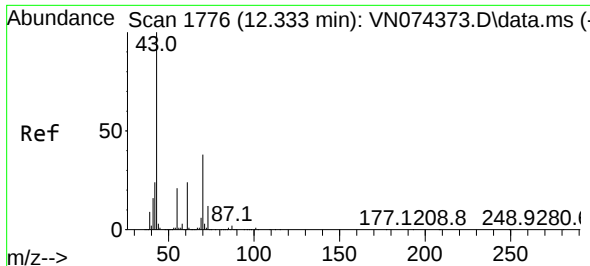
Tgt Ion:164 Resp: 3964
Ion Ratio Lower Upper
164 100
166 68.5 106.6 160.0#
129 82.0 84.0 126.0#
131 61.2 79.5 119.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN074391.D
Acq: 09 Sep 2022 22:36

Tgt Ion:152 Resp: 267882
Ion Ratio Lower Upper
152 100
115 57.4 32.0 96.0
150 156.0 0.0 359.6

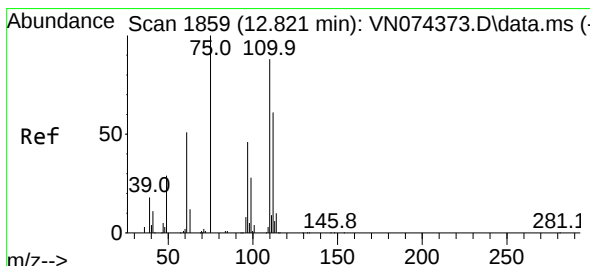
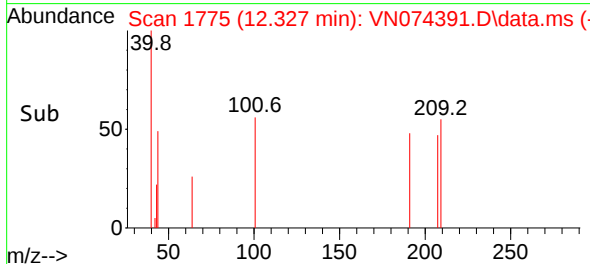
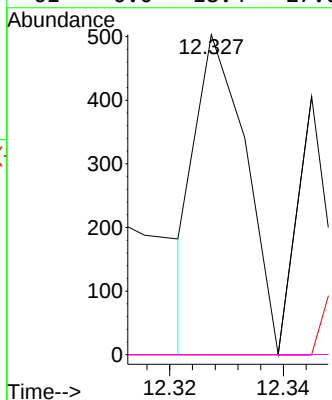
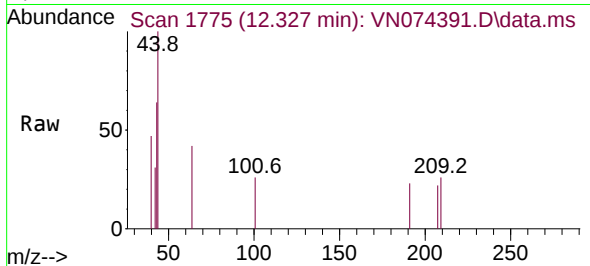




#74
N-amy1 acetate
Concen: Below Cal
RT: 12.327 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN074391.D
Acq: 09 Sep 2022 22:36

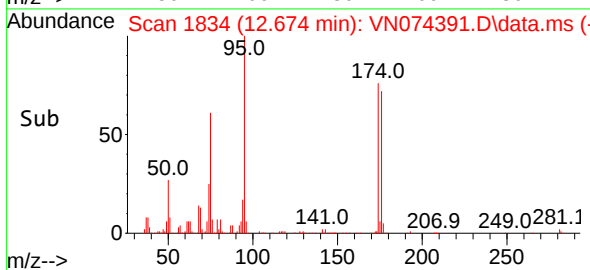
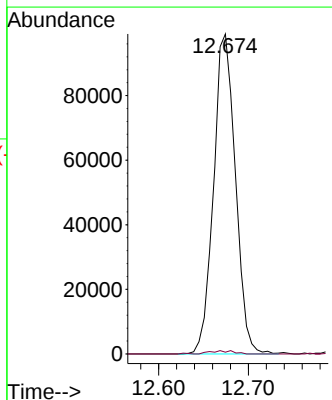
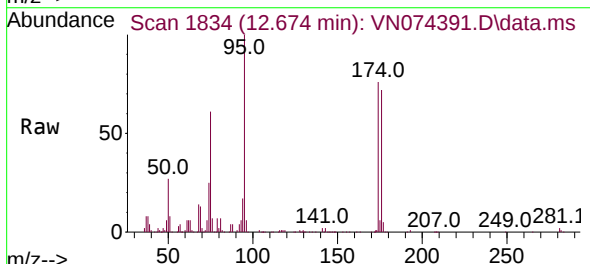
Instrument :
MSVOA_N
ClientSampleId :
EB01-083122

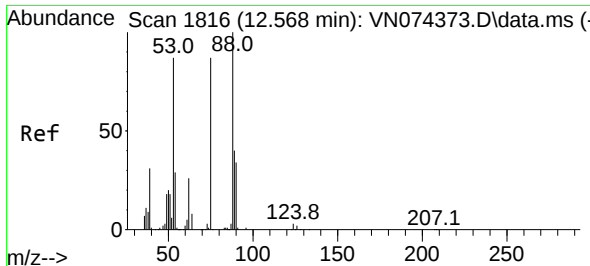
Tgt Ion: 43	Resp:	298
Ion Ratio	Lower	Upper
43	100	
70	0.0	31.4 47.0#
55	0.0	17.0 25.6#
61	0.0	18.4 27.6#



#76
1,2,3-Trichloropropane
Concen: 23.893 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074391.D
Acq: 09 Sep 2022 22:36

Tgt Ion: 75	Resp:	167317
Ion Ratio	Lower	Upper
75	100	
77	1.1	78.9 236.7#

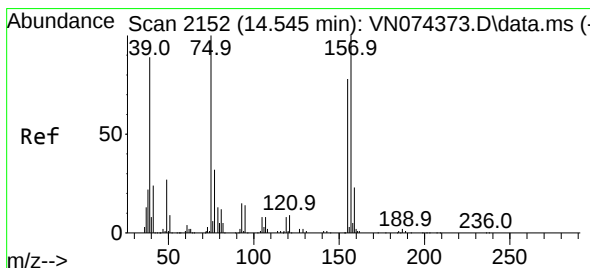
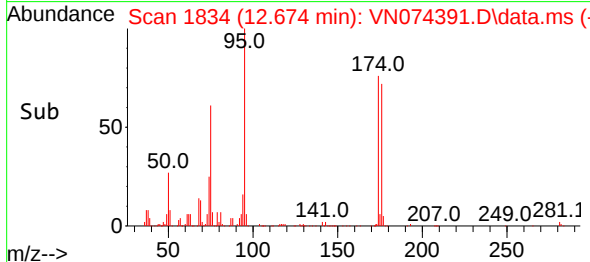
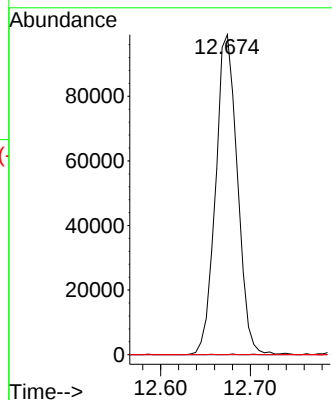
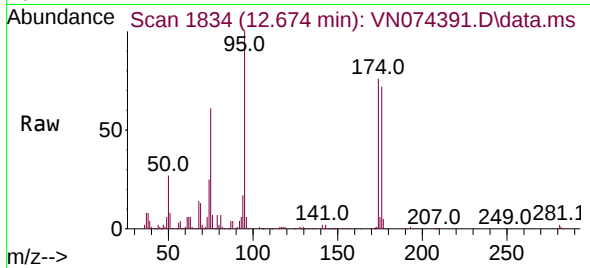




#81
trans-1,4-Dichloro-2-butene
Concen: 53.256 ug/l
RT: 12.674 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN074391.D
Acq: 09 Sep 2022 22:36

Instrument :
MSVOA_N
ClientSampleId :
EB01-083122

Tgt Ion: 75 Resp: 167317
Ion Ratio Lower Upper
75 100
53 0.1 82.2 123.2#
89 0.0 37.7 56.5#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.627 min Scan# 2166
Delta R.T. 0.082 min
Lab File: VN074391.D
Acq: 09 Sep 2022 22:36

Tgt Ion: 75 Resp: 63
Ion Ratio Lower Upper
75 100
155 0.0 36.6 109.9#
157 0.0 46.2 138.5#

